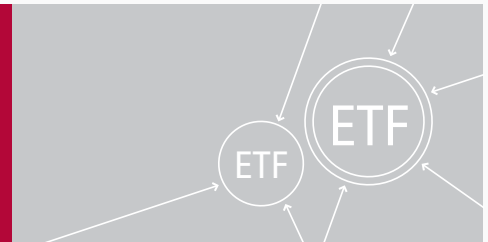




Vanguard®

US SEC Filing of Form N-Q for the Vanguard® Exchange Traded Funds

3 December 2018



Vanguard Investments Australia Ltd announces the following:

ETF	ASX CODE	ANNOUNCEMENT
Vanguard® US Total Market Shares Index ETF	VTI	US SEC Filing of Form N-Q

The Vanguard Group, Inc. in the US has completed and filed Form N-Q (quarterly schedule of portfolio holdings) for Registered Investment Companies with the Securities and Exchange Commission (SEC) in the US as part of the regulatory requirements of the SEC.

VTI is a share class of the Vanguard Total Stock Market Index Fund (US Fund), which is traded in the form of CDIs* in Australia. As the filing in the US covers multiple funds, only the information relevant to the US Fund is included.

Further details of the SEC requirements for this filing are available at:

www.sec.gov/about/forms/formn-q.pdf

Note: The attached SEC filing relates to the Vanguard ETF listed in the United States of America under code 'VTI', CDIs are issued in Australia by Vanguard Investments Australia Ltd under the ASX code 'VTI'.

* Clearing House Electronic Subregister System (CHES) Depository Interests (CDIs)

Further Information

If you have any queries on Vanguard ETFs, please visit vanguard.com.au

Past performance is not an indication of future performance.

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UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM N-Q
QUARTERLY SCHEDULE OF PORTFOLIO HOLDINGS OF
REGISTERED MANAGEMENT COMPANY

Investment Company Act file number: 811-02652

Name of Registrant: Vanguard Index Funds

Address of Registrant:
P.O. Box 2600
Valley Forge, PA 19482

Name and address of agent for service:
Anne E. Robinson, Esquire
P.O. Box 876
Valley Forge, PA 19482

Date of fiscal year end: December 31

Date of reporting period: September 30, 2018

Item 1: Schedule of Investments

Vanguard 500 Index Fund

Schedule of Investments (unaudited)

As of September 30, 2018

	Shares	Market Value (\$000)
Common Stocks (99.7%)¹		
Consumer Discretionary (13.0%)		
* Amazon.com Inc.	7,628,516	15,279,918
Home Depot Inc.	21,303,404	4,413,000
Walt Disney Co.	27,692,538	3,238,365
* Netflix Inc.	8,108,082	3,033,477
Comcast Corp. Class A	85,138,943	3,014,770
McDonald's Corp.	14,445,225	2,416,542
NIKE Inc. Class B	23,842,412	2,019,929
* Booking Holdings Inc.	883,850	1,753,558
Lowe's Cos. Inc.	15,100,488	1,733,838
Starbucks Corp.	25,119,910	1,427,816
TJX Cos. Inc.	11,675,646	1,307,906
* Charter Communications Inc. Class A	3,324,272	1,083,314
Twenty-First Century Fox Inc. Class A	19,635,580	909,716
Target Corp.	9,800,255	864,481
General Motors Co.	24,430,836	822,586

Extended Market Index Fund

event of a counterparty's default (including bankruptcy), the fund may terminate any swap contracts with that counterparty, determine the net amount owed by either party in accordance with its master netting arrangements, and sell or retain any collateral held up to the net amount owed to the fund under the master netting arrangements. The swap contracts contain provisions whereby a counterparty may terminate open contracts if the fund's net assets decline below a certain level, triggering a payment by the fund if the fund is in a net liability position at the time of the termination. The payment amount would be reduced by any collateral the fund has pledged. Any securities pledged as collateral for open contracts are noted in the Schedule of Investments. The value of collateral received or pledged is compared daily to the value of the swap contracts exposure with each counterparty, and any difference, if in excess of a specified minimum transfer amount, is adjusted and settled within two business days.

D. Various inputs may be used to determine the value of the fund's investments. These inputs are summarized in three broad levels for financial statement purposes. The inputs or methodologies used to value securities are not necessarily an indication of the risk associated with investing in those securities.

Level 1—Quoted prices in active markets for identical securities.

Level 2—Other significant observable inputs (including quoted prices for similar securities, interest rates, prepayment speeds, credit risk, etc.).

Level 3—Significant unobservable inputs (including the fund's own assumptions used to determine the fair value of investments). Any investments valued with significant unobservable inputs are noted on the Schedule of Investments.

The following table summarizes the market value of the fund's investments as of September 30, 2018, based on the inputs used to value them:

	Level 1 (\$000)	Level 2 (\$000)	Level 3 (\$000)
Investments			
Common Stocks	69,556,197	291	2,104
Temporary Cash Investments	2,107,409	32,305	—
Futures Contracts—Assets ¹	1,892	—	—
Futures Contracts—Liabilities ¹	(336)	—	—
Swap Contracts—Liabilities	—	(1,440)	—
Total	71,665,162	31,156	2,104

¹ Represents variation margin on the last day of the reporting period.

Vanguard Total Stock Market Index Fund

Schedule of Investments (unaudited)
As of September 30, 2018

	Shares	Market Value (\$000)
Common Stocks (99.6%)¹		
Basic Materials (2.3%)		
DowDuPont Inc.	58,708,975	3,775,574
Praxair Inc.	7,291,510	1,171,964
Ecolab Inc.	6,590,723	1,033,294
Air Products & Chemicals Inc.	5,560,654	928,907
LyondellBasell Industries NV Class A	7,931,115	813,019
PPG Industries Inc.	6,186,668	675,151

International Paper Co.	10,418,474	512,068
Nucor Corp.	8,069,558	512,013
Freeport-McMoRan Inc.	34,858,775	485,234
Newmont Mining Corp.	13,542,815	408,993
Celanese Corp. Class A	3,446,460	392,896
CF Industries Holdings Inc.	5,924,195	322,513
International Flavors & Fragrances Inc.	2,297,825	319,673
Eastman Chemical Co.	3,257,808	311,837
FMC Corp.	3,412,153	297,472
Mosaic Co.	8,797,366	285,738
Albemarle Corp.	2,763,792	275,771
Steel Dynamics Inc.	5,681,797	256,760
Avery Dennison Corp.	2,230,120	241,634
RPM International Inc.	3,383,818	219,745
* Alcoa Corp.	4,732,330	191,186
Chemours Co.	4,503,304	177,610
* Axalta Coating Systems Ltd.	5,568,723	162,384
Reliance Steel & Aluminum Co.	1,727,721	147,357
Huntsman Corp.	5,152,906	140,314
United States Steel Corp.	4,484,148	136,677
Ashland Global Holdings Inc.	1,574,470	132,035
Royal Gold Inc.	1,665,592	128,351
WR Grace & Co.	1,715,188	122,567
* Ingevity Corp.	1,071,554	109,170
Olin Corp.	4,241,467	108,921
Versum Materials Inc.	2,762,036	99,461
* Cleveland-Cliffs Inc.	7,590,883	96,101
NewMarket Corp.	226,680	91,921
Balchem Corp.	811,091	90,915
PolyOne Corp.	2,047,550	89,519
* Univar Inc.	2,892,333	88,679
Cabot Corp.	1,412,780	88,610
Sensient Technologies Corp.	1,098,213	84,024
Domtar Corp.	1,592,503	83,081
Westlake Chemical Corp.	988,100	82,121
Peabody Energy Corp.	2,302,147	82,049
Scotts Miracle-Gro Co.	995,334	78,363
KapStone Paper and Packaging Corp.	2,219,770	75,272
Carpenter Technology Corp.	1,180,473	69,589
* Platform Specialty Products Corp.	5,495,143	68,524
HB Fuller Co.	1,278,475	66,059
Quaker Chemical Corp.	323,376	65,390
Minerals Technologies Inc.	899,347	60,796

Compass Minerals International Inc.	866,932	58,258
Commercial Metals Co.	2,805,965	57,578
* Ferro Corp.	2,113,921	49,085
Innospec Inc.	628,498	48,237
Worthington Industries Inc.	1,095,787	47,513
* GCP Applied Technologies Inc.	1,734,251	46,044
Stepan Co.	510,051	44,380
Kaiser Aluminum Corp.	395,057	43,085
Arch Coal Inc. Class A	465,479	41,614
*,^ AK Steel Holding Corp.	8,067,824	39,532
* Kraton Corp.	801,001	37,767
^ US Silica Holdings Inc.	1,991,180	37,494
Neenah Inc.	421,010	36,333
Hecla Mining Co.	11,869,436	33,116
Warrior Met Coal Inc.	1,197,044	32,368
Materion Corp.	503,613	30,469
Schweitzer-Mauduit International Inc.	768,804	29,453
* Verso Corp.	860,232	28,964
Tronox Ltd. Class A	2,290,883	27,376
* CONSOL Energy Inc.	646,895	26,400
* Coeur Mining Inc.	4,707,469	25,091
KMG Chemicals Inc.	328,559	24,826
* AdvanSix Inc.	729,824	24,778
Rayonier Advanced Materials Inc.	1,285,706	23,696
* Codexis Inc.	1,293,587	22,185
Innophos Holdings Inc.	484,411	21,508
PH Glatfelter Co.	1,087,148	20,775
Chase Corp.	172,365	20,710
* CSW Industrials Inc.	383,772	20,609
* Resolute Forest Products Inc.	1,487,324	19,261
* SunCoke Energy Inc.	1,595,258	18,537
Schnitzer Steel Industries Inc.	645,197	17,453
Tredegar Corp.	765,196	16,566
* Koppers Holdings Inc.	511,494	15,933
* PQ Group Holdings Inc.	897,275	15,675
* Century Aluminum Co.	1,231,923	14,746
* TimkenSteel Corp.	884,568	13,154
* Clearwater Paper Corp.	441,177	13,103
American Vanguard Corp.	667,544	12,016
FutureFuel Corp.	636,943	11,809
* Veritiv Corp.	322,127	11,725
Hawkins Inc.	270,451	11,210
Haynes International Inc.	311,994	11,076
* OMNOVA Solutions Inc.	1,029,381	10,139
* Nexeo Solutions Inc.	811,268	9,938
Kronos Worldwide Inc.	592,097	9,622
Gold Resource Corp.	1,779,736	9,148
Olympic Steel Inc.	395,503	8,254
* Intrepid Potash Inc.	2,284,502	8,201
* Universal Stainless & Alloy Products Inc.	253,080	6,456
*,^ Uranium Energy Corp.	3,677,146	6,325
* AgroFresh Solutions Inc.	957,861	5,967
Synalloy Corp.	250,846	5,732

* LSB Industries Inc.	559,574	5,473
* Cloud Peak Energy Inc.	2,210,492	5,084
* Ryerson Holding Corp.	415,476	4,695
*, ^ ChromaDex Corp.	1,013,750	4,349

Northern Technologies International Corp.	101,131	3,509
Hallador Energy Co.	560,871	3,489
* , ^ Marrone Bio Innovations Inc.	1,792,593	3,280
* , ^ Ur-Energy Inc.	3,881,274	3,105
* Ampco-Pittsburgh Corp.	311,062	1,835
* Senomyx Inc.	1,100,735	1,629
* , ^ Ramaco Resources Inc.	169,672	1,266
Friedman Industries Inc.	121,949	1,149
* General Moly Inc.	2,527,959	935
* NL Industries Inc.	143,892	863
United-Guardian Inc.	45,130	729
* Pershing Gold Corp.	428,954	519
* Centrus Energy Corp. Class A	112,234	302
* Solitario Zinc Corp.	613,174	215
* Dynasil Corp. of America	158,073	204
* , ^ US Gold Corp.	174,192	185
* , ^ Paramount Gold Nevada Corp.	147,835	157
* , ^ US Antimony Corp.	178,286	152
* , ^ Golden Minerals Co.	504,714	103
* , ^ Westwater Resources Inc.	434,689	97
* Ikonics Corp.	6,410	69
* , ^ Comstock Mining Inc.	147,681	21
		17,582,006

Consumer Goods (7.5%)

Procter & Gamble Co.	63,308,108	5,269,134
Coca-Cola Co.	97,325,647	4,495,472
PepsiCo Inc.	36,002,104	4,025,035
Philip Morris International Inc.	39,508,617	3,221,533
Altria Group Inc.	47,969,014	2,893,011
NIKE Inc. Class B	32,586,594	2,760,736
Mondelez International Inc. Class A	37,428,289	1,607,919
Activision Blizzard Inc.	18,379,499	1,528,990
Colgate-Palmolive Co.	22,137,368	1,482,097
General Motors Co.	32,200,339	1,084,185
Kimberly-Clark Corp.	8,849,899	1,005,702
* Electronic Arts Inc.	7,767,104	935,858
Ford Motor Co.	99,358,347	919,065
Constellation Brands Inc. Class A	4,046,397	872,484
* , ^ Tesla Inc.	3,250,374	860,602
Kraft Heinz Co.	15,467,481	852,413
Estee Lauder Cos. Inc. Class A	5,687,065	826,444
VF Corp.	8,049,248	752,202
Archer-Daniels-Midland Co.	14,181,249	712,891
General Mills Inc.	15,022,111	644,749
* Monster Beverage Corp.	10,593,884	617,412
Aptiv plc	6,727,675	564,452
Kellogg Co.	7,029,403	492,199
Clorox Co.	3,266,219	491,272
Tyson Foods Inc. Class A	7,555,354	449,770
* Lululemon Athletica Inc.	2,704,682	439,484
McCormick & Co. Inc.	3,078,351	405,573
* Take-Two Interactive Software Inc.	2,900,855	400,289
DR Horton Inc.	9,119,540	384,662

Church & Dwight Co. Inc.	6,206,174	368,461
Tapestry Inc.	7,300,287	366,985
Hershey Co.	3,587,718	365,947
Brown-Forman Corp. Class B	7,111,098	359,466

Genuine Parts Co.	3,538,588	351,736
Lennar Corp. Class A	7,319,892	341,766
Conagra Brands Inc.	9,942,747	337,755
Hasbro Inc.	2,871,762	301,880
* Mohawk Industries Inc.	1,609,625	282,248
PVH Corp.	1,952,040	281,875
JM Smucker Co.	2,734,613	280,599
Molson Coors Brewing Co. Class B	4,496,056	276,507
Hormel Foods Corp.	6,727,574	265,066
* Michael Kors Holdings Ltd.	3,625,324	248,552
Lamb Weston Holdings Inc.	3,703,147	246,630
Bunge Ltd.	3,573,624	245,544
Lear Corp.	1,675,306	242,919
* LKQ Corp.	7,519,258	238,135
BorgWarner Inc.	5,319,000	227,547
Newell Brands Inc.	10,839,412	220,040
Garmin Ltd.	3,087,161	216,256
* NVR Inc.	87,348	215,819
* Wayfair Inc.	1,438,726	212,457
Pinnacle Foods Inc.	3,014,944	195,398
Ralph Lauren Corp. Class A	1,412,721	194,320
Whirlpool Corp.	1,636,144	194,292
Fortune Brands Home & Security Inc.	3,672,304	192,282
Ingredion Inc.	1,829,562	192,031
Harley-Davidson Inc.	4,232,378	191,727
* Middleby Corp.	1,410,018	182,386
^ Campbell Soup Co.	4,960,220	181,693
Hanesbrands Inc.	9,159,047	168,801
* US Foods Holding Corp.	5,466,392	168,474
PulteGroup Inc.	6,505,494	161,141
Jefferies Financial Group Inc.	7,307,732	160,478
Pool Corp.	961,216	160,408
* WABCO Holdings Inc.	1,351,632	159,411
* Post Holdings Inc.	1,616,932	158,524
Polaris Industries Inc.	1,514,575	152,896
Gentex Corp.	6,908,769	148,262
Brunswick Corp.	2,208,098	147,987
Leggett & Platt Inc.	3,330,906	145,860
*,^ Herbalife Nutrition Ltd.	2,613,485	142,566
Goodyear Tire & Rubber Co.	6,025,226	140,930
*,^ Mattel Inc.	8,739,873	137,216
Coty Inc. Class A	10,522,499	132,163
* Keurig Dr Pepper Inc.	5,265,836	122,009
Toll Brothers Inc.	3,477,869	114,874
Carter's Inc.	1,126,011	111,025
Nu Skin Enterprises Inc. Class A	1,334,901	110,023
Thor Industries Inc.	1,269,160	106,229
Valvoline Inc.	4,909,040	105,593
*,^ Under Armour Inc. Class A	4,768,472	101,187
* Skechers U.S.A. Inc. Class A	3,437,157	96,000
*,^ Under Armour Inc.	4,780,887	93,036
* Deckers Outdoor Corp.	780,303	92,528
Wolverine World Wide Inc.	2,315,256	90,411

* Helen of Troy Ltd.	687,180	89,952
Energizer Holdings Inc.	1,516,127	88,921
Flowers Foods Inc.	4,523,174	84,402
* Darling Ingredients Inc.	4,163,300	80,435

* Zynga Inc. Class A	19,864,579	79,657
Spectrum Brands Holdings Inc.	1,022,627	76,411
Columbia Sportswear Co.	801,203	74,568
* Welbilt Inc.	3,541,571	73,948
*,^ iRobot Corp.	665,157	73,114
Lancaster Colony Corp.	486,823	72,639
Steven Madden Ltd.	1,338,448	70,804
Delphi Technologies plc	2,251,434	70,605
* Visteon Corp.	750,243	69,698
* TreeHouse Foods Inc.	1,434,114	68,622
Dana Inc.	3,646,385	68,078
Medifast Inc.	293,875	65,108
* Edgewell Personal Care Co.	1,382,253	63,902
* Elanco Animal Health Inc.	1,810,798	63,179
* Fox Factory Holding Corp.	892,113	62,492
* Hain Celestial Group Inc.	2,299,745	62,369
*,^ Tempur Sealy International Inc.	1,167,637	61,768
* Boston Beer Co. Inc. Class A	213,262	61,313
Herman Miller Inc.	1,523,786	58,513
Callaway Golf Co.	2,393,353	58,135
WD-40 Co.	337,455	58,076
J&J Snack Foods Corp.	377,675	56,987
Tenneco Inc.	1,309,106	55,166
* Cavco Industries Inc.	216,104	54,674
* Cooper-Standard Holdings Inc.	452,364	54,275
Sanderson Farms Inc.	521,061	53,862
* Dorman Products Inc.	691,743	53,209
KB Home	2,191,971	52,410
* Taylor Morrison Home Corp. Class A	2,840,956	51,251
LCI Industries	602,942	49,924
* G-III Apparel Group Ltd.	1,032,143	49,739
* American Axle & Manufacturing Holdings Inc.	2,846,566	49,644
HNI Corp.	1,088,427	48,152
* TRI Pointe Group Inc.	3,840,708	47,625
^ B&G Foods Inc.	1,693,263	46,480
* Meritor Inc.	2,216,921	42,920
* Gentherm Inc.	925,594	42,068
Universal Corp.	627,105	40,762
* USANA Health Sciences Inc.	325,771	39,272
* Meritage Homes Corp.	975,709	38,931
Tupperware Brands Corp.	1,124,059	37,600
La-Z-Boy Inc.	1,178,767	37,249
Steelcase Inc. Class A	1,978,708	36,606
Vector Group Ltd.	2,654,522	36,579
Oxford Industries Inc.	401,173	36,186
Cooper Tire & Rubber Co.	1,278,313	36,176
Calavo Growers Inc.	371,369	35,874
Interface Inc. Class A	1,529,644	35,717
* Crocs Inc.	1,657,919	35,297
* National Beverage Corp.	300,004	34,986
Cal-Maine Foods Inc.	715,846	34,575
MDC Holdings Inc.	1,130,904	33,452
* Sleep Number Corp.	859,934	31,628

* American Woodmark Corp.	401,587	31,504
ACCO Brands Corp.	2,650,355	29,949
* Central Garden & Pet Co. Class A	886,610	29,382
* Fitbit Inc. Class A	5,322,627	28,476

Sturm Ruger & Co. Inc.	412,211	28,463
Seaboard Corp.	7,642	28,352
Nutrisystem Inc.	765,159	28,349
* Malibu Boats Inc. Class A	512,223	28,029
Inter Parfums Inc.	429,369	27,673
Knoll Inc.	1,158,830	27,175
* Hostess Brands Inc. Class A	2,442,799	27,042
*,^ Fossil Group Inc.	1,136,493	26,458
MGP Ingredients Inc.	332,365	26,250
* Vista Outdoor Inc.	1,444,986	25,851
Fresh Del Monte Produce Inc.	741,364	25,125
Winnebago Industries Inc.	725,802	24,060
Andersons Inc.	632,489	23,813
Standard Motor Products Inc.	475,794	23,419
* Pilgrim's Pride Corp.	1,288,036	23,301
* Freshpet Inc.	625,451	22,954
Acushnet Holdings Corp.	831,189	22,799
*,^ LGI Homes Inc.	461,005	21,870
* Glu Mobile Inc.	2,901,354	21,615
Coca-Cola Bottling Co. Consolidated	116,889	21,307
Phibro Animal Health Corp. Class A	489,846	21,014
* American Outdoor Brands Corp.	1,337,835	20,777
*,^ GoPro Inc. Class A	2,826,359	20,350
* Stoneridge Inc.	676,321	20,100
Skyline Champion Corp.	693,108	19,802
* Modine Manufacturing Co.	1,205,589	17,963
National Presto Industries Inc.	137,140	17,780
^ Camping World Holdings Inc. Class A	801,884	17,096
Dean Foods Co.	2,350,833	16,691
* M/I Homes Inc.	690,140	16,515
Movado Group Inc.	389,822	16,334
* Century Communities Inc.	616,552	16,184
Lennar Corp. Class B	415,047	15,979
* MCBC Holdings Inc.	435,409	15,622
* Central Garden & Pet Co.	408,771	14,732
* Primo Water Corp.	812,849	14,672
Tower International Inc.	482,532	14,597
Kimball International Inc. Class B	865,027	14,489
John B Sanfilippo & Son Inc.	202,010	14,419
Tootsie Roll Industries Inc.	459,961	13,454
* Universal Electronics Inc.	336,137	13,227
Ethan Allen Interiors Inc.	620,943	12,885
* William Lyon Homes Class A	784,030	12,458
* Motorcar Parts of America Inc.	501,634	11,763
* Unifi Inc.	382,109	10,825
* ZAGG Inc.	711,343	10,492
* Nautilus Inc.	749,720	10,459
Superior Industries International Inc.	609,883	10,398
Johnson Outdoors Inc. Class A	111,255	10,346
Hooker Furniture Corp.	290,072	9,804
* Vera Bradley Inc.	636,759	9,717
Limoneira Co.	371,552	9,701
Titan International Inc.	1,255,931	9,319

Turning Point Brands Inc.	210,429	8,724
* , ^ 22nd Century Group Inc.	3,086,103	8,672
* Perry Ellis International Inc.	311,719	8,519
* Beazer Homes USA Inc.	786,783	8,261

* Seneca Foods Corp. Class A	236,508	7,970
*,^elf Beauty Inc.	574,565	7,314
Culp Inc.	294,515	7,127
Clarus Corp.	606,215	6,699
* Farmer Brothers Co.	253,055	6,681
Bassett Furniture Industries Inc.	293,982	6,247
*,^Funko Inc. Class A	260,657	6,175
*,^Sonos Inc.	374,589	6,008
Weyco Group Inc.	169,895	5,977
Flexsteel Industries Inc.	197,871	5,885
* Hovnanian Enterprises Inc. Class A	3,554,794	5,688
Rocky Brands Inc.	193,275	5,470
Oil-Dri Corp. of America	139,361	5,374
* Craft Brew Alliance Inc.	321,234	5,252
Libbey Inc.	591,447	5,175
Hamilton Beach Brands Holding Co. Class A	226,804	4,976
* Pyxus International Inc.	215,253	4,951
*,^Revlon Inc. Class A	209,831	4,679
*,^PolarityTE Inc.	238,053	4,547
* Shiloh Industries Inc.	409,064	4,500
Marine Products Corp.	194,459	4,451
Superior Group of Cos. Inc.	233,617	4,443
*,^New Age Beverages Corp.	781,452	4,181
*,^Arlo Technologies Inc.	276,614	4,014
*,^Vuzix Corp.	597,724	3,915
*,^Lifevantage Corp.	336,627	3,700
Lifetime Brands Inc.	338,870	3,694
* New Home Co. Inc.	423,856	3,416
Alico Inc.	96,089	3,248
Strattec Security Corp.	89,813	3,202
*,^Akoustis Technologies Inc.	374,526	2,947
* Castle Brands Inc.	2,709,001	2,899
* Lakeland Industries Inc.	201,320	2,678
*,^Eastman Kodak Co.	837,912	2,598
Escalade Inc.	195,986	2,518
* RiceBran Technologies	873,708	2,508
* Delta Apparel Inc.	139,331	2,479
* Lovesac Co.	78,401	1,958
* Nature's Sunshine Products Inc.	223,252	1,953
Kewaunee Scientific Corp.	57,081	1,798
Rocky Mountain Chocolate Factory Inc.	173,764	1,781
* Natural Alternatives International Inc.	177,845	1,743
Crown Crafts Inc.	274,576	1,565
*,^JAKKS Pacific Inc.	569,622	1,453
*,^S&W Seed Co.	566,877	1,389
*,^Celsius Holdings Inc.	337,288	1,359
* Sequential Brands Group Inc.	798,548	1,334
Unique Fabricating Inc.	161,358	1,307
Acme United Corp.	60,785	1,293
Core Molding Technologies Inc.	189,449	1,264
* Vince Holding Corp.	81,825	1,207
*,^Differential Brands Group Inc.	277,853	1,128
*,^Veru Inc.	789,133	1,121

* , ^ Orchids Paper Products Co.	328,747	1,085
* Alpha Pro Tech Ltd.	293,460	1,042
* US Auto Parts Network Inc.	649,661	1,007
Virco Manufacturing Corp.	203,805	988

* Reed's Inc.	270,585	879
*,^Level Brands Inc.	231,989	842
*,^Blink Charging Co.	325,521	798
*,^Iconix Brand Group Inc.	2,554,939	793
*,^Nova Lifestyle Inc.	410,741	715
* Tandy Leather Factory Inc.	93,919	690
*,^Lipocine Inc.	471,782	651
LS Starrett Co. Class A	105,296	632
* Coffee Holding Co. Inc.	133,389	590
* Willamette Valley Vineyards Inc.	64,597	511
* Dixie Group Inc.	271,685	435
Mannatech Inc.	19,579	394
* Lifeway Foods Inc.	116,677	310
* Zedge Inc. Class B	143,177	285
* Summer Infant Inc.	149,701	237
* Emerson Radio Corp.	153,609	224
* Jerash Holdings US Inc.	33,054	215
* Charles & Colvard Ltd.	212,413	185
*,^Cherokee Inc.	222,325	164
* Bridgford Foods Corp.	9,975	164
P&F Industries Inc. Class A	19,303	159
Ocean Bio-Chem Inc.	22,278	91
CompX International Inc.	5,846	79
* Cyanotech Corp.	23,496	79
* Koss Corp.	17,633	49
* CTI Industries Corp.	14,046	47
* Hovnanian Enterprises Inc. Class B	19,300	31
* Arcimoto Inc.	5,685	21
* CCA Industries Inc.	4,947	14
* CDTi Advanced Materials Inc.	1	—
		56,936,972

Consumer Services (13.5%)

* Amazon.com Inc.	10,538,608	21,108,832
Home Depot Inc.	29,100,305	6,028,128
Walt Disney Co.	35,971,239	4,206,477
Comcast Corp. Class A	116,303,596	4,118,310
* Netflix Inc.	10,514,414	3,933,758
Walmart Inc.	37,509,293	3,522,498
McDonald's Corp.	19,736,372	3,301,698
Costco Wholesale Corp.	11,145,643	2,617,889
* Booking Holdings Inc.	1,208,876	2,398,410
Lowe's Cos. Inc.	19,599,132	2,250,372
CVS Health Corp.	25,849,728	2,034,891
Starbucks Corp.	32,621,294	1,854,194
TJX Cos. Inc.	15,126,948	1,694,521
Walgreens Boots Alliance Inc.	21,385,323	1,558,990
* Charter Communications Inc. Class A	4,133,136	1,346,906
Twenty-First Century Fox Inc. Class A	26,736,605	1,238,707
Target Corp.	13,395,234	1,181,594
Ross Stores Inc.	9,609,992	952,350
Delta Air Lines Inc.	15,847,064	916,436
Marriott International Inc. Class A	6,647,948	877,729
Sysco Corp.	11,924,202	873,448

Southwest Airlines Co.	13,134,487	820,249
* eBay Inc.	23,935,052	790,335
Dollar General Corp.	6,812,283	744,583
Yum! Brands Inc.	8,100,228	736,392

* O'Reilly Automotive Inc.	2,053,754	713,310
McKesson Corp.	5,096,195	676,010
Carnival Corp.	10,150,738	647,313
Hilton Worldwide Holdings Inc.	7,602,819	614,156
Las Vegas Sands Corp.	10,005,325	593,616
Kroger Co.	20,308,112	591,169
Twenty-First Century Fox Inc.	12,217,081	559,787
Royal Caribbean Cruises Ltd.	4,261,479	553,737
* United Continental Holdings Inc.	5,901,862	525,620
* AutoZone Inc.	674,703	523,367
CBS Corp. Class B	8,744,009	502,343
* Dollar Tree Inc.	6,026,571	491,467
Best Buy Co. Inc.	6,054,714	480,502
American Airlines Group Inc.	10,545,004	435,825
* Ulta Beauty Inc.	1,456,098	410,794
Omnicom Group Inc.	5,746,650	390,887
Expedia Group Inc.	2,970,600	387,604
AmerisourceBergen Corp. Class A	4,153,953	383,078
Tiffany & Co.	2,966,669	382,611
Darden Restaurants Inc.	3,141,762	349,332
MGM Resorts International	12,333,415	344,226
* CarMax Inc.	4,502,846	336,227
* GrubHub Inc.	2,297,664	318,502
Kohl's Corp.	4,259,238	317,526
Wynn Resorts Ltd.	2,481,644	315,318
Domino's Pizza Inc.	1,068,948	315,126
Viacom Inc. Class B	9,232,853	311,701
Advance Auto Parts Inc.	1,784,911	300,454
* Norwegian Cruise Line Holdings Ltd.	5,097,798	292,767
* Chipotle Mexican Grill Inc. Class A	635,606	288,896
Tractor Supply Co.	3,101,572	281,871
Vail Resorts Inc.	1,026,111	281,585
* Burlington Stores Inc.	1,722,148	280,572
Macy's Inc.	7,777,079	270,098
Aramark	6,233,682	268,173
* Liberty Broadband Corp.	3,123,160	263,282
* Copart Inc.	5,023,416	258,857
Nielsen Holdings plc	9,036,930	249,961
* Qurate Retail Group Inc. QVC Group Class A	11,040,424	245,208
Interpublic Group of Cos. Inc.	9,798,687	224,096
FactSet Research Systems Inc.	984,116	220,157
* Discovery Communications Inc.	7,396,352	218,784
Alaska Air Group Inc.	3,128,675	215,441
* ServiceMaster Global Holdings Inc.	3,439,562	213,356
Gap Inc.	7,295,084	210,463
KAR Auction Services Inc.	3,424,180	204,389
* DISH Network Corp. Class A	5,520,264	197,405
Service Corp. International	4,413,620	195,082
* Live Nation Entertainment Inc.	3,452,674	188,067
* Five Below Inc.	1,406,666	182,951
L Brands Inc.	5,992,611	181,576
^ Sirius XM Holdings Inc.	28,476,268	179,970
Nordstrom Inc.	2,981,686	178,335

* Liberty Media Corp-Liberty Formula One	4,746,847	176,535
* Bright Horizons Family Solutions Inc.	1,464,742	172,605
* Liberty Media Corp-Liberty SiriusXM C	3,949,238	171,594
Sabre Corp.	6,293,029	164,122

* ^ Caesars Entertainment Corp.	15,901,024	162,985
News Corp. Class A	12,190,910	160,798
* ^ Discovery Communications Inc. Class A	4,979,296	159,337
Altice USA Inc. Class A	8,626,716	156,489
Dunkin' Brands Group Inc.	2,120,471	156,321
* JetBlue Airways Corp.	7,980,420	154,501
Foot Locker Inc.	2,978,482	151,843
Rollins Inc.	2,501,857	151,838
* Madison Square Garden Co. Class A	460,588	145,233
* Etsy Inc.	2,739,067	140,733
Wyndham Hotels & Resorts Inc.	2,525,799	140,359
* Grand Canyon Education Inc.	1,223,081	137,964
* TripAdvisor Inc.	2,686,154	137,182
H&R Block Inc.	5,260,847	135,467
Williams-Sonoma Inc.	2,029,274	133,364
Dun & Bradstreet Corp.	932,921	132,951
* Ollie's Bargain Outlet Holdings Inc.	1,339,096	128,687
* Trade Desk Inc. Class A	851,580	128,512
Six Flags Entertainment Corp.	1,810,762	126,427
Casey's General Stores Inc.	944,691	121,969
* Planet Fitness Inc. Class A	2,216,935	119,781
Texas Roadhouse Inc. Class A	1,685,179	116,766
Cable One Inc.	123,232	108,889
* ^ Roku Inc.	1,477,697	107,916
Marriott Vacations Worldwide Corp.	957,247	106,972
Cinemark Holdings Inc.	2,660,049	106,934
Dolby Laboratories Inc. Class A	1,505,780	105,359
Wyndham Destinations Inc.	2,421,863	105,012
American Eagle Outfitters Inc.	4,203,315	104,368
* Liberty Media Corp-Liberty SiriusXM A	2,377,324	103,271
* Yelp Inc. Class A	2,023,810	99,571
Extended Stay America Inc.	4,880,566	98,734
Signet Jewelers Ltd.	1,495,544	98,601
* Stamps.com Inc.	435,523	98,515
Aaron's Inc.	1,773,284	96,573
World Wrestling Entertainment Inc. Class A	987,397	95,511
* Acxiom Holdings Inc.	1,875,025	92,645
Nexstar Media Group Inc. Class A	1,099,154	89,471
^ Cracker Barrel Old Country Store Inc.	604,157	88,890
New York Times Co. Class A	3,748,618	86,780
Hyatt Hotels Corp. Class A	1,084,372	86,305
* Sprouts Farmers Market Inc.	3,136,545	85,973
* Weight Watchers International Inc.	1,176,602	84,704
* Performance Food Group Co.	2,518,020	83,850
Wendy's Co.	4,811,302	82,466
* Spirit Airlines Inc.	1,729,143	81,218
* Hilton Grand Vacations Inc.	2,442,998	80,863
* Urban Outfitters Inc.	1,928,707	78,884
* AMC Networks Inc. Class A	1,178,317	78,170
Tribune Media Co. Class A	1,978,322	76,027
Churchill Downs Inc.	273,042	75,824
Hillenbrand Inc.	1,438,393	75,228
* Cargurus Inc.	1,330,966	74,121

Strategic Education Inc.	538,859	73,840
* Chegg Inc.	2,584,168	73,468
SkyWest Inc.	1,244,214	73,284
* Adtalem Global Education Inc.	1,516,905	73,115

AMERCO	201,751	71,954
Choice Hotels International Inc.	863,274	71,911
* ^ Eldorado Resorts Inc.	1,463,017	71,103
John Wiley & Sons Inc. Class A	1,133,547	68,693
* Penn National Gaming Inc.	2,069,726	68,135
Boyd Gaming Corp.	1,995,982	67,564
Dave & Buster's Entertainment Inc.	1,019,627	67,520
Dick's Sporting Goods Inc.	1,898,955	67,375
* Murphy USA Inc.	787,318	67,284
TEGNA Inc.	5,458,393	65,282
* Liberty Expedia Holdings Inc. Class A	1,383,882	65,098
* ^ RH	493,240	64,619
Graham Holdings Co. Class B	109,670	63,532
* AutoNation Inc.	1,505,551	62,556
Morningstar Inc.	484,641	61,016
* ^ Pandora Media Inc.	6,408,480	60,945
DSW Inc. Class A	1,735,440	58,797
Lions Gate Entertainment Corp. Class B	2,465,080	57,436
* ^ Sally Beauty Holdings Inc.	3,076,176	56,571
Jack in the Box Inc.	669,870	56,155
* Sotheby's	1,136,784	55,918
* National Vision Holdings Inc.	1,237,354	55,854
Cheesecake Factory Inc.	1,039,240	55,641
* Shutterfly Inc.	839,959	55,345
* Avis Budget Group Inc.	1,717,473	55,200
Monro Inc.	790,620	55,027
PriceSmart Inc.	667,013	53,995
Sinclair Broadcast Group Inc. Class A	1,861,172	52,764
Children's Place Inc.	401,782	51,348
Meredith Corp.	997,473	50,921
* BJ's Wholesale Club Holdings Inc.	1,893,491	50,708
Bed Bath & Beyond Inc.	3,368,131	50,522
Wingstop Inc.	734,183	50,123
Hawaiian Holdings Inc.	1,241,249	49,774
* Cars.com Inc.	1,800,473	49,711
Brinker International Inc.	1,052,259	49,172
Lithia Motors Inc. Class A	596,074	48,675
Red Rock Resorts Inc. Class A	1,758,539	46,865
* ^ Carvana Co. Class A	780,946	46,146
* Pinnacle Entertainment Inc.	1,357,956	45,750
* Michaels Cos. Inc.	2,789,622	45,276
Office Depot Inc.	14,044,078	45,081
Big Lots Inc.	1,034,124	43,216
* Groupon Inc. Class A	11,435,033	43,110
* ^ SeaWorld Entertainment Inc.	1,357,665	42,671
Allegiant Travel Co. Class A	327,801	41,565
Penske Automotive Group Inc.	871,553	41,303
Bloomin' Brands Inc.	2,086,756	41,297
* Floor & Decor Holdings Inc. Class A	1,356,062	40,912
Matthews International Corp. Class A	792,105	39,724
Sonic Corp.	900,414	39,024
* Belmond Ltd. Class A	2,125,591	38,792
Core-Mark Holding Co. Inc.	1,139,957	38,713

* United Natural Foods Inc.	1,281,720	38,387
* MSG Networks Inc.	1,459,658	37,659
BJ's Restaurants Inc.	520,961	37,613
GameStop Corp. Class A	2,449,785	37,408

* , ^ ANGI Homeservices Inc. Class A	1,588,888	37,307
Lions Gate Entertainment Corp. Class A	1,492,631	36,405
* , ^ Shake Shack Inc. Class A	577,307	36,376
* Asbury Automotive Group Inc.	527,323	36,253
Abercrombie & Fitch Co.	1,713,568	36,191
* At Home Group Inc.	1,127,564	35,552
Dine Brands Global Inc.	432,645	35,178
Caleres Inc.	977,269	35,045
* Scientific Games Corp.	1,371,930	34,847
* Gray Television Inc.	1,988,211	34,794
* , ^ Rite Aid Corp.	26,913,271	34,449
Guess? Inc.	1,444,467	32,645
* Herc Holdings Inc.	618,129	31,648
Group 1 Automotive Inc.	486,076	31,546
Tailored Brands Inc.	1,237,682	31,177
* Quotient Technology Inc.	2,001,704	31,026
* Simply Good Foods Co.	1,544,718	30,045
Viad Corp.	505,162	29,931
* , ^ Stitch Fix Inc. Class A	668,424	29,257
Scholastic Corp.	626,534	29,253
* SUPERVALU Inc.	906,440	29,205
Papa John's International Inc.	567,490	29,101
* Laureate Education Inc. Class A	1,828,490	28,232
* Liberty Media Corp-Liberty Formula One Class A	791,931	28,177
Gannett Co. Inc.	2,791,919	27,947
AMC Entertainment Holdings Inc. Class A	1,359,183	27,863
* Diplomat Pharmacy Inc.	1,393,572	27,049
* , ^ TrueCar Inc.	1,905,197	26,863
Chico's FAS Inc.	3,087,667	26,770
* Liberty TripAdvisor Holdings Inc. Class A	1,790,649	26,591
International Speedway Corp. Class A	583,522	25,558
Entercom Communications Corp. Class A	3,152,992	24,909
* Career Education Corp.	1,625,772	24,273
* Liberty Media Corp-Liberty Braves Series C	879,914	23,978
* , ^ Trupanion Inc.	667,030	23,833
Ruth's Hospitality Group Inc.	741,814	23,404
* Genesco Inc.	490,763	23,115
Dillard's Inc. Class A	301,871	23,045
* Denny's Corp.	1,554,524	22,883
* Hertz Global Holdings Inc.	1,394,110	22,766
EW Scripps Co. Class A	1,376,573	22,713
New Media Investment Group Inc.	1,405,199	22,048
* Chefs' Warehouse Inc.	594,212	21,600
* XO Group Inc.	618,577	21,329
* comScore Inc.	1,151,134	20,985
* Express Inc.	1,818,554	20,113
* Party City Holdco Inc.	1,469,462	19,911
* Boot Barn Holdings Inc.	694,497	19,731
National CineMedia Inc.	1,826,306	19,341
* SP Plus Corp.	528,206	19,279
* Providence Service Corp.	285,166	19,186
Marcus Corp.	455,644	19,160
* Ascena Retail Group Inc.	4,185,799	19,129

* Liberty Broadband Corp. Class A	221,531	18,682
* Houghton Mifflin Harcourt Co.	2,606,676	18,247
* Regis Corp.	873,654	17,849
*, ^ PlayAGS Inc.	589,848	17,383

SpartanNash Co.	865,214	17,356
* K12 Inc.	967,512	17,125
Buckle Inc.	733,075	16,897
* Rent-A-Center Inc.	1,168,993	16,810
*,^ Conn's Inc.	463,645	16,390
Weis Markets Inc.	376,448	16,338
PetMed Express Inc.	480,882	15,874
* Care.com Inc.	671,102	14,838
* Fiesta Restaurant Group Inc.	531,947	14,230
*,^ Overstock.com Inc.	510,076	14,129
* MarineMax Inc.	663,102	14,091
* QuinStreet Inc.	1,021,902	13,867
* America's Car-Mart Inc.	175,489	13,723
* Red Robin Gourmet Burgers Inc.	330,044	13,251
* American Public Education Inc.	390,085	12,892
* Monarch Casino & Resort Inc.	283,293	12,876
* Zumiez Inc.	480,332	12,657
* Carrols Restaurant Group Inc.	845,861	12,350
*,^ JC Penney Co. Inc.	7,415,580	12,310
Ingles Markets Inc. Class A	348,025	11,920
Cato Corp. Class A	552,601	11,616
Emerald Expositions Events Inc.	676,982	11,157
* TechTarget Inc.	571,771	11,104
* Lumber Liquidators Holdings Inc.	716,705	11,102
Sonic Automotive Inc. Class A	569,339	11,017
* Chuy's Holdings Inc.	419,312	11,007
Shoe Carnival Inc.	283,424	10,912
* Golden Entertainment Inc.	453,330	10,884
Winmark Corp.	63,833	10,596
* Lindblad Expeditions Holdings Inc.	683,537	10,164
* Habit Restaurants Inc. Class A	608,783	9,710
Tilly's Inc. Class A	510,057	9,666
Haverty Furniture Cos. Inc.	433,188	9,573
* BrightView Holdings Inc.	587,698	9,433
* Hibbett Sports Inc.	499,154	9,384
Citi Trends Inc.	323,245	9,300
* Potbelly Corp.	732,471	9,009
* Drive Shack Inc.	1,498,247	8,930
* Clean Energy Fuels Corp.	3,430,786	8,920
RCI Hospitality Holdings Inc.	290,438	8,600
* Del Taco Restaurants Inc.	723,097	8,540
Entravision Communications Corp. Class A	1,720,141	8,429
*,^ GNC Holdings Inc. Class A	2,015,278	8,343
*,^ Duluth Holdings Inc.	251,275	7,905
Barnes & Noble Inc.	1,362,337	7,902
* Titan Machinery Inc.	500,194	7,745
Carriage Services Inc. Class A	357,193	7,697
News Corp. Class B	551,208	7,496
*,^ Noodles & Co. Class A	608,247	7,360
* Bridgepoint Education Inc. Class A	714,573	7,260
Nathan's Famous Inc.	86,865	7,158
* tronc Inc.	436,224	7,124
* 1-800-Flowers.com Inc. Class A	591,363	6,978

* Del Frisco's Restaurant Group Inc.	831,483	6,901
Tile Shop Holdings Inc.	960,518	6,868
* ^Zoe's Kitchen Inc.	532,248	6,770
* Bojangles' Inc.	428,698	6,731

* Red Lion Hotels Corp.	536,649	6,708
* Biglari Holdings Inc. Class B	36,827	6,679
* El Pollo Loco Holdings Inc.	527,871	6,625
*,^ Boston Omaha Corp. Class A	218,549	6,535
Natural Health Trends Corp.	264,130	6,149
* Reading International Inc. Class A	385,999	6,099
* Avid Technology Inc.	1,021,418	6,057
* Century Casinos Inc.	807,999	6,028
*,^ Daily Journal Corp.	24,964	6,016
* Liberty Media Corp-Liberty Braves-A	220,178	6,006
* MDC Partners Inc. Class A	1,444,413	5,994
* Gaia Inc. Class A	386,707	5,955
* Hemisphere Media Group Inc. Class A	410,074	5,721
* Sportsman's Warehouse Holdings Inc.	963,561	5,637
Clear Channel Outdoor Holdings Inc. Class A	895,012	5,325
Village Super Market Inc. Class A	187,961	5,113
* PCM Inc.	255,812	5,001
* Container Store Group Inc.	444,557	4,935
* Barnes & Noble Education Inc.	843,696	4,860
Speedway Motorsports Inc.	271,158	4,840
* Vitamin Shoppe Inc.	471,481	4,715
* Leaf Group Ltd.	470,537	4,705
* OptimizeRx Corp.	258,343	4,650
* Cambium Learning Group Inc.	392,421	4,646
* Natural Grocers by Vitamin Cottage Inc.	267,138	4,512
* Liquidity Services Inc.	704,320	4,472
* Smart & Final Stores Inc.	757,583	4,318
* Kirkland's Inc.	420,434	4,242
Saga Communications Inc. Class A	116,907	4,226
* Lands' End Inc.	239,935	4,211
* Rubicon Project Inc.	1,104,126	3,975
* Town Sports International Holdings Inc.	459,314	3,973
* J Alexander's Holdings Inc.	333,369	3,967
*,^ HF Foods Group Inc.	243,267	3,673
CSS Industries Inc.	251,129	3,574
*,^ Global Eagle Entertainment Inc.	1,237,470	3,490
*,^ Tuesday Morning Corp.	1,045,190	3,345
* Francesca's Holdings Corp.	894,658	3,319
* Lee Enterprises Inc.	1,242,269	3,292
Collectors Universe Inc.	212,964	3,152
Pier 1 Imports Inc.	2,041,172	3,062
*,^ Profire Energy Inc.	958,627	3,058
* Build-A-Bear Workshop Inc.	328,321	2,971
* New York & Co. Inc.	742,939	2,868
*,^ Blue Apron Holdings Inc. Class A	1,636,974	2,816
* Mesa Air Group Inc.	191,900	2,660
* Biglari Holdings Inc.	2,856	2,633
Marchex Inc. Class B	939,770	2,613
* J. Jill Inc.	408,334	2,523
* TheStreet Inc.	1,143,198	2,515
*,^ Digital Turbine Inc.	1,961,674	2,432
Big 5 Sporting Goods Corp.	437,497	2,231
AH Belo Corp. Class A	433,392	1,994

* Travelzoo	166,468	1,973
* Destination XL Group Inc.	780,896	1,952
* RealNetworks Inc.	661,637	1,945
*,^ Remark Holdings Inc.	593,530	1,893

* ^ Stein Mart Inc.	805,653	1,893
* Full House Resorts Inc.	633,724	1,825
Townsquare Media Inc. Class A	230,874	1,808
A-Mark Precious Metals Inc.	137,123	1,785
Peak Resorts Inc.	339,567	1,664
* ^ Fluent Inc.	718,792	1,545
* EVINE Live Inc.	1,321,686	1,520
* Destination Maternity Corp.	305,034	1,421
Educational Development Corp.	121,378	1,390
* ^ Papa Murphy's Holdings Inc.	266,958	1,385
* ^ LiveXLive Media Inc.	346,155	1,357
* ^ Dover Downs Gaming & Entertainment Inc.	434,538	1,234
^ Stage Stores Inc.	621,397	1,224
* FTD Cos. Inc.	459,645	1,209
^ Chicken Soup For The Soul Entertainment Inc.	117,602	1,200
* ^ EverQuote Inc. Class A	79,233	1,177
* Urban One Inc.	584,263	1,168
Beasley Broadcast Group Inc. Class A	166,851	1,151
Salem Media Group Inc. Class A	315,296	1,072
* ^ Fred's Inc. Class A	504,943	1,030
Ark Restaurants Corp.	42,303	973
* Emmis Communications Corp. Class A	185,908	972
* ^ Sears Holdings Corp.	989,319	957
Dover Motorsports Inc.	442,500	951
* ^ Interpace Diagnostics Group Inc.	612,138	943
* AutoWeb Inc.	286,769	849
* ^ McClatchy Co. Class A	98,375	837
* Good Times Restaurants Inc.	176,158	819
* ONE Group Hospitality Inc.	228,830	808
* ^ Famous Dave's of America Inc.	117,953	773
* Nevada Gold & Casinos Inc.	313,955	750
* Lazydays Holdings Inc.	95,234	719
* ^ Social Reality Inc.	148,260	580
Harte-Hanks Inc.	80,781	576
* Luby's Inc.	308,772	525
Canterbury Park Holding Corp.	31,705	483
* Ascent Capital Group Inc. Class A	254,049	450
* ^ Sears Hometown and Outlet Stores Inc.	143,195	408
* ^ Eastside Distilling Inc.	45,443	373
* ^ Christopher & Banks Corp.	451,842	343
* ^ Net Element Inc.	63,360	341
* ^ Kona Grill Inc.	137,965	317
* BioHiTech Global Inc.	93,086	316
* ^ Valeritas Holdings Inc.	226,029	301
* ^ Inspired Entertainment Inc.	41,246	252
Value Line Inc.	9,238	230
* iPic Entertainment Inc. Class A	36,183	222
* Monaker Group Inc.	98,703	212
* Youngevity International Inc.	26,532	179
* Diversified Restaurant Holdings Inc.	126,397	177
* ^ Live Ventures Inc.	19,052	168
* Insignia Systems Inc.	96,450	167
* ^ Genius Brands International Inc.	68,896	141

* Rave Restaurant Group Inc.	95,445	136
* Purple Innovation Inc.	23,406	136
Gaming Partners International Corp.	13,878	126
* National American University Holdings Inc.	153,701	123

* SPAR Group Inc.	98,012	96
*,^ Ifresh Inc.	39,610	88
* RLJ Entertainment Inc.	14,109	87
* Dolphin Entertainment Inc.	37,519	83
^ FAT Brands Inc.	9,718	81
*,^ Spark Networks SE ADR	6,545	75
Haverty Furniture Cos. Inc. Class A	1,375	30
* NTN Buzztime Inc.	4,442	20
Viacom Inc. Class A	300	11
*,§ Universal Travel Group	42,843	7
* YogaWorks Inc.	3,300	4
* Urban One Inc. Class A	950	2
* DGSE Cos. Inc.	2,900	2
	102,026,662	

Financials (19.0%)

* Berkshire Hathaway Inc. Class B	48,207,697	10,321,750
JPMorgan Chase & Co.	85,519,337	9,650,002
Bank of America Corp.	241,462,140	7,113,475
Visa Inc. Class A	45,209,396	6,785,478
Wells Fargo & Co.	110,244,475	5,794,450
Mastercard Inc. Class A	23,475,911	5,225,973
Citigroup Inc.	64,031,025	4,593,586
US Bancorp	39,518,294	2,086,961
Goldman Sachs Group Inc.	8,640,602	1,937,569
American Express Co.	17,463,261	1,859,663
American Tower Corp.	11,211,465	1,629,026
Morgan Stanley	33,341,781	1,552,727
PNC Financial Services Group Inc.	11,272,406	1,535,189
Charles Schwab Corp.	30,831,130	1,515,350
Chubb Ltd.	11,219,217	1,499,336
CME Group Inc.	8,649,267	1,472,192
Simon Property Group Inc.	7,861,468	1,389,514
BlackRock Inc.	2,847,739	1,342,225
S&P Global Inc.	6,387,848	1,248,122
American International Group Inc.	22,607,912	1,203,645
Crown Castle International Corp.	10,540,329	1,173,455
Bank of New York Mellon Corp.	22,955,492	1,170,501
Capital One Financial Corp.	12,198,474	1,158,001
Intercontinental Exchange Inc.	14,659,115	1,097,821
Prologis Inc.	15,979,253	1,083,234
Prudential Financial Inc.	10,604,833	1,074,482
Marsh & McLennan Cos. Inc.	12,884,074	1,065,771
Progressive Corp.	14,790,070	1,050,687
BB&T Corp.	19,851,053	963,570
Aon plc	6,194,442	952,581
Aflac Inc.	19,610,110	923,048
MetLife Inc.	18,973,201	886,428
Travelers Cos. Inc.	6,825,175	885,293
Equinix Inc.	2,020,424	874,621
Allstate Corp.	8,827,086	871,233
SunTrust Banks Inc.	11,807,351	788,613
State Street Corp.	9,042,869	757,612
Public Storage	3,757,306	757,586

Moody's Corp.	4,141,663	692,486
Discover Financial Services	8,779,957	671,228
T. Rowe Price Group Inc.	5,846,098	638,277
AvalonBay Communities Inc.	3,513,971	636,556

Weyerhaeuser Co.	19,220,149	620,234
Equity Residential	9,358,839	620,117
Welltower Inc.	9,453,312	608,037
Digital Realty Trust Inc.	5,235,292	588,866
Northern Trust Corp.	5,440,515	555,640
M&T Bank Corp.	3,339,997	549,563
KeyCorp	27,068,279	538,388
Ameriprise Financial Inc.	3,627,939	535,701
Synchrony Financial	16,993,264	528,151
Regions Financial Corp.	28,414,506	521,406
Ventas Inc.	9,042,937	491,755
Boston Properties Inc.	3,918,479	482,326
Fifth Third Bancorp	17,147,781	478,766
Citizens Financial Group Inc.	12,262,300	472,957
* SBA Communications Corp. Class A	2,924,287	469,728
* IHS Markit Ltd.	8,636,978	466,051
Hartford Financial Services Group Inc.	9,090,604	454,167
Principal Financial Group Inc.	7,259,143	425,313
Huntington Bancshares Inc.	28,127,250	419,659
* SVB Financial Group	1,347,562	418,863
Realty Income Corp.	7,309,815	415,855
Essex Property Trust Inc.	1,675,585	413,384
Equifax Inc.	3,057,461	399,213
Host Hotels & Resorts Inc.	18,807,424	396,837
* Markel Corp.	333,737	396,643
First Republic Bank	4,114,905	395,031
Comerica Inc.	4,374,537	394,583
MSCI Inc. Class A	2,169,216	384,841
TD Ameritrade Holding Corp.	7,207,201	380,756
Lincoln National Corp.	5,523,318	373,708
* CBRE Group Inc. Class A	8,137,986	358,885
* E*TRADE Financial Corp.	6,675,392	349,724
Arthur J Gallagher & Co.	4,613,654	343,440
Alexandria Real Estate Equities Inc.	2,678,815	336,968
Annaly Capital Management Inc.	32,815,862	335,706
* Berkshire Hathaway Inc. Class A	1,034	330,880
Loews Corp.	6,513,222	327,159
KKR & Co. Inc. Class A	11,979,790	326,689
Vornado Realty Trust	4,338,671	316,723
HCP Inc.	11,898,127	313,159
Raymond James Financial Inc.	3,323,622	305,939
Cincinnati Financial Corp.	3,951,450	303,511
* Arch Capital Group Ltd.	9,848,478	293,583
Mid-America Apartment Communities Inc.	2,879,986	288,517
Ally Financial Inc.	10,826,765	286,368
Cboe Global Markets Inc.	2,851,970	273,675
UDR Inc.	6,763,848	273,462
Extra Space Storage Inc.	3,047,065	263,998
Regency Centers Corp.	4,071,726	263,319
Fidelity National Financial Inc.	6,574,228	258,696
Duke Realty Corp.	9,037,061	256,381
Nasdaq Inc.	2,961,286	254,078
Zions Bancorporation	5,006,662	251,084

Iron Mountain Inc.	7,244,667	250,086
Franklin Resources Inc.	8,073,543	245,516
Alleghany Corp.	366,673	239,265
Invesco Ltd.	10,382,251	237,546

Everest Re Group Ltd.	1,038,838	237,343
Federal Realty Investment Trust	1,860,890	235,347
Reinsurance Group of America Inc. Class A	1,627,553	235,279
Torchmark Corp.	2,629,528	227,954
SL Green Realty Corp.	2,306,659	224,968
East West Bancorp Inc.	3,688,883	222,698
AGNC Investment Corp.	11,895,134	221,606
SEI Investments Co.	3,603,474	220,172
Camden Property Trust	2,337,912	218,758
Western Union Co.	11,470,715	218,632
Unum Group	5,572,977	217,736
Sun Communities Inc.	2,062,935	209,470
Voya Financial Inc.	4,157,504	206,503
* Athene Holding Ltd. Class A	3,959,568	204,551
Macerich Co.	3,570,398	197,407
Equity LifeStyle Properties Inc.	2,028,643	195,663
American Financial Group Inc.	1,740,842	193,181
Kilroy Realty Corp.	2,640,362	189,288
Affiliated Managers Group Inc.	1,378,106	188,415
* Black Knight Inc.	3,590,806	186,542
WR Berkley Corp.	2,302,039	184,002
Gaming and Leisure Properties Inc.	5,124,616	180,643
VEREIT Inc.	24,478,224	177,712
National Retail Properties Inc.	3,949,223	177,004
Brown & Brown Inc.	5,942,191	175,711
Apartment Investment & Management Co.	3,974,318	175,387
WP Carey Inc.	2,726,145	175,318
VICI Properties Inc.	7,920,548	171,242
Kimco Realty Corp.	10,220,092	171,084
CyrusOne Inc.	2,659,579	168,617
Lamar Advertising Co. Class A	2,143,861	166,792
Park Hotels & Resorts Inc.	5,078,309	166,670
Invitation Homes Inc.	7,264,740	166,435
*, ^ Omega Healthcare Investors Inc.	5,058,681	165,773
Jones Lang LaSalle Inc.	1,141,647	164,762
Commerce Bancshares Inc.	2,458,960	162,341
MarketAxess Holdings Inc.	905,986	161,709
Old Republic International Corp.	7,223,874	161,670
Lazard Ltd. Class A	3,279,455	157,840
Liberty Property Trust	3,723,621	157,323
PacWest Bancorp	3,257,304	155,211
Douglas Emmett Inc.	4,074,118	153,676
Cullen/Frost Bankers Inc.	1,460,270	152,511
Forest City Realty Trust Inc. Class A	6,067,177	152,225
Signature Bank	1,325,261	152,193
CIT Group Inc.	2,937,580	151,609
New Residential Investment Corp.	8,484,541	151,195
People's United Financial Inc.	8,774,236	150,215
Eaton Vance Corp.	2,843,203	149,439
Assurant Inc.	1,329,350	143,503
American Campus Communities Inc.	3,478,584	143,179
First Horizon National Corp.	8,280,693	142,925
* Credit Acceptance Corp.	322,417	141,241

American Homes 4 Rent Class A	6,415,732	140,440
Healthcare Trust of America Inc. Class A	5,250,399	140,028
LPL Financial Holdings Inc.	2,150,885	138,754
* Western Alliance Bancorp	2,433,227	138,426

First American Financial Corp.	2,677,313	138,123
Webster Financial Corp.	2,338,279	137,865
Starwood Property Trust Inc.	6,376,990	137,233
Medical Properties Trust Inc.	9,202,966	137,216
RenaissanceRe Holdings Ltd.	1,017,243	135,883
Brixmor Property Group Inc.	7,744,503	135,606
Primerica Inc.	1,119,690	134,979
CubeSmart	4,729,701	134,938
* Brighthouse Financial Inc.	3,028,587	133,985
Popular Inc.	2,600,355	133,268
Hanover Insurance Group Inc.	1,072,527	132,318
Synovus Financial Corp.	2,855,829	130,768
Hudson Pacific Properties Inc.	3,994,425	130,698
STORE Capital Corp.	4,685,897	130,221
EPR Properties	1,878,212	128,488
* GCI Liberty Inc. - Class A	2,515,633	128,297
* MGIC Investment Corp.	9,375,078	124,782
Highwoods Properties Inc.	2,592,005	122,498
New York Community Bancorp Inc.	11,763,192	121,984
Wintrust Financial Corp.	1,425,760	121,104
* Howard Hughes Corp.	972,908	120,855
Sterling Bancorp	5,443,514	119,757
Prosperity Bancshares Inc.	1,699,944	117,891
Janus Henderson Group plc	4,370,702	117,834
* Bank OZK	3,100,382	117,691
* Zillow Group Inc.	2,639,894	116,815
Umpqua Holdings Corp.	5,574,029	115,940
Axis Capital Holdings Ltd.	2,005,215	115,721
Hospitality Properties Trust	3,949,586	113,906
Associated Banc-Corp	4,374,625	113,740
Pinnacle Financial Partners Inc.	1,885,682	113,424
Radian Group Inc.	5,448,155	112,613
Life Storage Inc.	1,180,832	112,368
IBERIABANK Corp.	1,374,786	111,839
Rayonier Inc.	3,297,745	111,497
Assured Guaranty Ltd.	2,636,899	111,356
Gramercy Property Trust	4,022,234	110,370
Senior Housing Properties Trust	6,076,511	106,704
Kemper Corp.	1,308,992	105,308
* Green Dot Corp. Class A	1,181,337	104,926
* Essent Group Ltd.	2,360,118	104,435
Sabra Health Care REIT Inc.	4,515,935	104,408
FNB Corp.	8,206,957	104,392
* Texas Capital Bancshares Inc.	1,260,236	104,159
Hancock Whitney Corp.	2,175,727	103,456
CoreSite Realty Corp.	929,514	103,306
Ryman Hospitality Properties Inc.	1,173,033	101,080
JBG SMITH Properties	2,733,321	100,668
First Industrial Realty Trust Inc.	3,183,730	99,969
* Equity Commonwealth	3,041,931	97,616
Interactive Brokers Group Inc.	1,763,717	97,551
RLJ Lodging Trust	4,424,698	97,476
Chemical Financial Corp.	1,819,445	97,158

LaSalle Hotel Properties	2,804,639	97,012
First Financial Bankshares Inc.	1,636,594	96,723
Apple Hospitality REIT Inc.	5,459,794	95,492
BankUnited Inc.	2,693,092	95,335

^ Blackstone Mortgage Trust Inc. Class A	2,833,029	94,935
MB Financial Inc.	2,053,115	94,669
Selective Insurance Group Inc.	1,490,099	94,621
Sunstone Hotel Investors Inc.	5,769,092	94,382
Two Harbors Investment Corp.	6,286,457	93,857
Healthcare Realty Trust Inc.	3,196,023	93,516
Cousins Properties Inc.	10,510,622	93,439
United Bankshares Inc.	2,558,027	92,984
TCF Financial Corp.	3,893,868	92,713
Weingarten Realty Investors	3,089,858	91,954
Navient Corp.	6,743,615	90,904
FirstCash Inc.	1,103,825	90,514
CNO Financial Group Inc.	4,250,576	90,197
Valley National Bancorp	7,920,753	89,108
Glacier Bancorp Inc.	2,065,601	89,007
Taubman Centers Inc.	1,470,077	87,955
Home BancShares Inc.	4,009,483	87,808
Spirit Realty Capital Inc.	10,801,853	87,063
Evercore Inc. Class A	855,439	86,014
Stifel Financial Corp.	1,669,873	85,598
Uniti Group Inc.	4,247,114	85,579
Brookfield Property REIT Inc. Class A	4,061,214	85,001
Bank of Hawaii Corp.	1,074,765	84,810
* Zillow Group Inc. Class A	1,907,318	84,303
MFA Financial Inc.	11,392,259	83,733
RLI Corp.	1,056,271	83,002
Cathay General Bancorp	2,001,067	82,924
EastGroup Properties Inc.	863,706	82,588
UMB Financial Corp.	1,157,615	82,075
Chimera Investment Corp.	4,480,232	81,227
Community Bank System Inc.	1,320,534	80,645
Investors Bancorp Inc.	6,544,438	80,300
BGC Partners Inc. Class A	6,792,994	80,293
BancorpSouth Bank	2,454,528	80,263
Paramount Group Inc.	5,309,603	80,122
Erie Indemnity Co. Class A	622,030	79,327
Corporate Office Properties Trust	2,650,903	79,076
Physicians Realty Trust	4,646,596	78,342
AXA Equitable Holdings Inc.	3,626,222	77,782
* SLM Corp.	6,919,841	77,156
GEO Group Inc.	3,039,935	76,485
American Equity Investment Life Holding Co.	2,162,011	76,449
National Health Investors Inc.	1,010,099	76,353
Fulton Financial Corp.	4,504,966	75,008
Old National Bancorp	3,856,959	74,439
First Hawaiian Inc.	2,740,285	74,426
South State Corp.	907,625	74,425
Rexford Industrial Realty Inc.	2,323,342	74,254
STAG Industrial Inc.	2,666,992	73,342
Colony Capital Inc.	12,042,265	73,337
CoreCivic Inc.	3,009,892	73,231
Columbia Banking System Inc.	1,871,074	72,542
First Citizens BancShares Inc. Class A	159,108	71,961

First Midwest Bancorp Inc.	2,673,709	71,094
Washington Federal Inc.	2,217,725	70,967
Columbia Property Trust Inc.	2,998,584	70,887
Kennedy-Wilson Holdings Inc.	3,284,650	70,620

Brandywine Realty Trust	4,475,739	70,359
First Financial Bancorp	2,366,197	70,276
Empire State Realty Trust Inc.	4,212,192	69,965
Outfront Media Inc.	3,498,956	69,804
White Mountains Insurance Group Ltd.	74,038	69,290
Retail Properties of America Inc.	5,606,963	68,349
^ Realogy Holdings Corp.	3,275,936	67,615
Xenia Hotels & Resorts Inc.	2,844,240	67,408
Piedmont Office Realty Trust Inc. Class A	3,531,939	66,860
Legg Mason Inc.	2,134,190	66,651
Great Western Bancorp Inc.	1,531,582	64,617
CenterState Bank Corp.	2,303,494	64,613
* OneMain Holdings Inc.	1,918,314	64,475
International Bancshares Corp.	1,432,075	64,443
Moelis & Co. Class A	1,168,634	64,041
Union Bankshares Corp.	1,650,973	63,612
ProAssurance Corp.	1,349,341	63,352
Pebblebrook Hotel Trust	1,739,789	63,276
PS Business Parks Inc.	495,986	63,035
Aspen Insurance Holdings Ltd.	1,506,136	62,956
Simmons First National Corp. Class A	2,133,385	62,828
Americold Realty Trust	2,493,305	62,382
PotlatchDeltic Corp.	1,519,844	62,238
CVB Financial Corp.	2,774,993	61,938
Washington REIT	2,001,219	61,337
DiamondRock Hospitality Co.	5,223,567	60,959
Urban Edge Properties	2,731,731	60,317
Acadia Realty Trust	2,126,791	59,614
BOK Financial Corp.	605,610	58,914
WesBanco Inc.	1,316,656	58,697
Apollo Commercial Real Estate Finance Inc.	3,107,593	58,640
Trustmark Corp.	1,701,846	57,267
Independent Bank Corp.	686,690	56,721
^ Tanger Factory Outlet Centers Inc.	2,432,372	55,653
Federated Investors Inc. Class B	2,300,868	55,497
QTS Realty Trust Inc. Class A	1,297,299	55,356
Santander Consumer USA Holdings Inc.	2,760,242	55,315
First Merchants Corp.	1,225,884	55,153
Hope Bancorp Inc.	3,375,172	54,577
United Community Banks Inc.	1,943,540	54,205
Terreno Realty Corp.	1,431,787	53,978
Retail Opportunity Investments Corp.	2,837,520	52,977
* FCB Financial Holdings Inc. Class A	1,117,457	52,967
* Pacific Premier Bancorp Inc.	1,415,915	52,672
* Genworth Financial Inc. Class A	12,544,829	52,312
Argo Group International Holdings Ltd.	823,861	51,944
Banner Corp.	833,239	51,802
* Enstar Group Ltd.	244,197	50,915
LegacyTexas Financial Group Inc.	1,178,130	50,188
Towne Bank	1,622,492	50,054
DDR Corp.	3,736,616	50,033
Cadence BanCorp Class A	1,910,112	49,892
* First BanCorp	5,444,558	49,545

Chesapeake Lodging Trust	1,535,936	49,257
Renasant Corp.	1,190,645	49,066
* Axos Financial Inc.	1,411,211	48,532
Ameris Bancorp	1,057,520	48,329

* Eagle Bancorp Inc.	921,801	46,643
Lexington Realty Trust	5,575,178	46,274
Mack-Cali Realty Corp.	2,169,506	46,124
Horace Mann Educators Corp.	1,015,966	45,617
Heartland Financial USA Inc.	784,104	45,517
LTC Properties Inc.	1,022,809	45,116
^ Colony Credit Real Estate Inc.	2,051,289	45,108
Four Corners Property Trust Inc.	1,741,306	44,734
*,^ LendingTree Inc.	193,313	44,481
ServisFirst Bancshares Inc.	1,132,431	44,335
Invesco Mortgage Capital Inc.	2,729,336	43,178
Navigators Group Inc.	621,831	42,969
Waddell & Reed Financial Inc. Class A	1,972,995	41,788
Northwest Bancshares Inc.	2,349,312	40,690
First Commonwealth Financial Corp.	2,505,090	40,432
Agree Realty Corp.	760,517	40,399
Westamerica Bancorporation	668,202	40,199
National General Holdings Corp.	1,495,642	40,143
NBT Bancorp Inc.	1,044,900	40,103
Capitol Federal Financial Inc.	3,134,707	39,936
Artisan Partners Asset Management Inc. Class A	1,227,045	39,756
HFF Inc. Class A	931,093	39,553
*,^ PRA Group Inc.	1,095,457	39,436
Berkshire Hills Bancorp Inc.	958,293	39,003
* LendingClub Corp.	10,040,818	38,958
Alexander & Baldwin Inc.	1,714,152	38,894
^ Seritage Growth Properties Class A	815,011	38,705
Walker & Dunlop Inc.	723,814	38,275
Global Net Lease Inc.	1,811,292	37,765
Universal Insurance Holdings Inc.	776,659	37,707
Ladder Capital Corp. Class A	2,219,021	37,590
National Storage Affiliates Trust	1,474,398	37,509
Hilltop Holdings Inc.	1,848,270	37,280
Houlihan Lokey Inc. Class A	823,243	36,988
American Assets Trust Inc.	991,426	36,970
WSFS Financial Corp.	782,369	36,889
CareTrust REIT Inc.	2,076,850	36,781
S&T Bancorp Inc.	839,035	36,381
Provident Financial Services Inc.	1,481,134	36,362
* Cannae Holdings Inc.	1,729,239	36,228
Summit Hotel Properties Inc.	2,656,912	35,948
* NMI Holdings Inc. Class A	1,578,386	35,750
Mercury General Corp.	708,493	35,538
Park National Corp.	336,340	35,504
Employers Holdings Inc.	781,318	35,394
First Interstate BancSystem Inc. Class A	789,538	35,371
Kite Realty Group Trust	2,116,314	35,237
Select Income REIT	1,593,860	34,969
Washington Prime Group Inc.	4,730,608	34,533
^ AmTrust Financial Services Inc.	2,352,751	34,162
Redwood Trust Inc.	2,075,760	33,710
First Busey Corp.	1,080,806	33,559
* Clearway Energy Inc.	1,741,032	33,515

Monmouth Real Estate Investment Corp.	1,985,853	33,203
Virtu Financial Inc. Class A	1,615,572	33,038
Kearny Financial Corp.	2,372,114	32,854
* Seacoast Banking Corp. of Florida	1,114,481	32,543

Sandy Spring Bancorp Inc.	815,984	32,076
Safety Insurance Group Inc.	356,020	31,899
* FGL Holdings	3,522,601	31,527
Tier REIT Inc.	1,292,808	31,157
PennyMac Mortgage Investment Trust	1,518,977	30,744
Kinsale Capital Group Inc.	480,248	30,669
Easterly Government Properties Inc.	1,578,723	30,580
Brookline Bancorp Inc.	1,827,159	30,514
James River Group Holdings Ltd.	712,426	30,364
First Bancorp	739,698	29,965
Heritage Financial Corp.	849,483	29,859
Independent Bank Group Inc.	450,072	29,840
AMERISAFE Inc.	479,291	29,692
Tompkins Financial Corp.	363,555	29,517
*,^ Redfin Corp.	1,562,972	29,228
* Third Point Reinsurance Ltd.	2,220,374	28,865
Beneficial Bancorp Inc.	1,707,863	28,863
City Holding Co.	374,374	28,752
Enterprise Financial Services Corp.	541,277	28,715
^ Government Properties Income Trust	2,539,197	28,668
State Bank Financial Corp.	926,121	27,950
Lakeland Financial Corp.	599,733	27,876
American National Insurance Co.	214,549	27,739
Piper Jaffray Cos.	362,327	27,664
Hannon Armstrong Sustainable Infrastructure Capital Inc.	1,279,796	27,477
WisdomTree Investments Inc.	3,236,509	27,446
Boston Private Financial Holdings Inc.	2,005,729	27,378
OceanFirst Financial Corp.	985,937	26,837
National Bank Holdings Corp. Class A	711,965	26,805
Ramco-Gershenson Properties Trust	1,958,296	26,633
BancFirst Corp.	435,680	26,119
TriCo Bancshares	667,948	25,796
PJT Partners Inc.	486,567	25,472
United Fire Group Inc.	496,427	25,204
Stewart Information Services Corp.	559,232	25,171
TPG RE Finance Trust Inc.	1,257,049	25,166
*,^ Encore Capital Group Inc.	687,305	24,640
Southside Bancshares Inc.	705,332	24,546
Chatham Lodging Trust	1,163,579	24,307
Getty Realty Corp.	849,651	24,266
Universal Health Realty Income Trust	324,315	24,132
*,^ MBIA Inc.	2,256,096	24,118
Independence Realty Trust Inc.	2,247,267	23,664
Meta Financial Group Inc.	282,732	23,368
* Flagstar Bancorp Inc.	726,078	22,850
ARMOUR Residential REIT Inc.	1,014,971	22,786
TFS Financial Corp.	1,503,969	22,575
Bryn Mawr Bank Corp.	474,881	22,272
* Enova International Inc.	764,560	22,019
* Triumph Bancorp Inc.	574,180	21,934
Hersha Hospitality Trust Class A	957,060	21,697
InfraREIT Inc.	1,022,899	21,634
CoBiz Financial Inc.	962,231	21,304

Cohen & Steers Inc.	522,716	21,228
* Focus Financial Partners Inc. Class A	447,268	21,227
^ New York Mortgage Trust Inc.	3,483,974	21,183
United Financial Bancorp Inc.	1,254,663	21,116

CorePoint Lodging Inc.	1,068,936	20,791
Banc of California Inc.	1,098,852	20,768
Lakeland Bancorp Inc.	1,145,431	20,675
Meridian Bancorp Inc.	1,206,530	20,511
Carolina Financial Corp.	540,384	20,383
Franklin Street Properties Corp.	2,534,733	20,253
Preferred Bank	341,325	19,968
Granite Point Mortgage Trust Inc.	1,035,163	19,958
Virtus Investment Partners Inc.	172,495	19,621
TrustCo Bank Corp. NY	2,293,626	19,496
RE/MAX Holdings Inc. Class A	439,359	19,486
Washington Trust Bancorp Inc.	351,640	19,446
Armada Hoffer Properties Inc.	1,277,211	19,299
Nelnet Inc. Class A	335,018	19,153
Hanmi Financial Corp.	763,072	19,000
* Clearway Energy Inc. Class A	995,990	18,964
Central Pacific Financial Corp.	716,800	18,945
Hamilton Lane Inc. Class A	426,149	18,870
Capstead Mortgage Corp.	2,371,399	18,758
FBL Financial Group Inc. Class A	249,143	18,748
*,^ Health Insurance Innovations Inc. Class A	304,098	18,748
Stock Yards Bancorp Inc.	510,707	18,539
Saul Centers Inc.	324,899	18,194
Univest Corp. of Pennsylvania	685,133	18,122
Investors Real Estate Trust	3,029,215	18,115
*,^ Willscot Corp. Class A	1,054,692	18,088
RMR Group Inc. Class A	194,519	18,051
ConnectOne Bancorp Inc.	758,014	18,003
*,^ Cushman & Wakefield plc	1,057,646	17,969
Alexander's Inc.	52,143	17,901
iStar Inc.	1,602,274	17,897
OFG Bancorp	1,105,856	17,860
* INTL. FCStone Inc.	367,842	17,774
*,^ Columbia Financial Inc.	1,052,412	17,575
National Western Life Group Inc. Class A	55,028	17,565
Horizon Bancorp Inc.	887,858	17,535
Preferred Apartment Communities Inc. Class A	995,501	17,501
German American Bancorp Inc.	491,694	17,347
Arbor Realty Trust Inc.	1,510,257	17,338
* Marcus & Millichap Inc.	499,480	17,337
* TriState Capital Holdings Inc.	627,842	17,328
Community Trust Bancorp Inc.	372,978	17,288
Guaranty Bancorp	572,456	17,002
Investment Technology Group Inc.	770,711	16,694
* HomeStreet Inc.	629,377	16,678
Live Oak Bancshares Inc.	621,279	16,650
^ Pennsylvania REIT	1,753,335	16,587
Northfield Bancorp Inc.	1,035,321	16,482
^ CBL & Associates Properties Inc.	4,105,484	16,381
* Customers Bancorp Inc.	693,953	16,329
* St. Joe Co.	964,616	16,206
* National Commerce Corp.	391,551	16,171
Urstadt Biddle Properties Inc. Class A	755,496	16,085

Flushing Financial Corp.	657,970	16,054
Camden National Corp.	368,066	15,989
KKR Real Estate Finance Trust Inc.	773,515	15,602
Community Healthcare Trust Inc.	500,584	15,508

* Amalgamated Bank Class A	791,338	15,265
Oritani Financial Corp.	978,533	15,216
Opus Bank	552,005	15,125
* Veritex Holdings Inc.	534,805	15,114
FB Financial Corp.	385,077	15,087
Great Southern Bancorp Inc.	272,415	15,078
Ashford Hospitality Trust Inc.	2,309,207	14,756
Bridge Bancorp Inc.	436,514	14,492
CatchMark Timber Trust Inc. Class A	1,265,630	14,466
CBTX Inc.	406,791	14,457
Peoples Bancorp Inc.	412,304	14,443
Gladstone Commercial Corp.	744,677	14,261
NexPoint Residential Trust Inc.	424,471	14,092
Dynex Capital Inc.	2,198,786	14,028
Heritage Commerce Corp.	939,702	14,020
Midland States Bancorp Inc.	435,175	13,969
Blue Hills Bancorp Inc.	577,855	13,926
UMH Properties Inc.	882,459	13,802
Spirit MTA REIT	1,197,115	13,791
* First Foundation Inc.	873,779	13,648
* eHealth Inc.	482,807	13,644
People's Utah Bancorp	400,875	13,610
Federal Agricultural Mortgage Corp.	188,145	13,580
Fidelity Southern Corp.	544,692	13,497
Exantas Capital Corp.	1,228,551	13,489
Whitestone REIT	966,962	13,421
QCR Holdings Inc.	326,427	13,335
First Defiance Financial Corp.	441,285	13,287
* Retail Value Inc.	405,762	13,264
Diamond Hill Investment Group Inc.	80,137	13,254
Green Bancorp Inc.	596,553	13,184
Dime Community Bancshares Inc.	737,346	13,162
Cherry Hill Mortgage Investment Corp.	726,543	13,150
First Financial Corp.	261,780	13,141
United Insurance Holdings Corp.	581,153	13,006
Bank of Marin Bancorp	153,875	12,910
* World Acceptance Corp.	112,558	12,872
Front Yard Residential Corp.	1,178,552	12,787
Mercantile Bank Corp.	377,859	12,609
Consolidated-Tomoka Land Co.	201,774	12,566
First Community Bancshares Inc.	367,233	12,442
* EZCORP Inc. Class A	1,158,306	12,394
AG Mortgage Investment Trust Inc.	681,276	12,386
* Equity Bancshares Inc. Class A	314,770	12,358
* WMIH Corp.	8,839,744	12,287
State Auto Financial Corp.	400,715	12,238
Greenhill & Co. Inc.	460,455	12,133
Cedar Realty Trust Inc.	2,593,795	12,087
CorEnergy Infrastructure Trust Inc.	320,047	12,027
Independent Bank Corp.	508,374	12,023
Peapack Gladstone Financial Corp.	387,985	11,985
New Senior Investment Group Inc.	2,023,107	11,936
* Franklin Financial Network Inc.	305,170	11,932

* Bancorp Inc.	1,241,792	11,909
* HomeTrust Bancshares Inc.	405,883	11,831
Jernigan Capital Inc.	611,049	11,787
Braemar Hotels & Resorts Inc.	995,466	11,717

Arrow Financial Corp.	316,211	11,700
First of Long Island Corp.	537,907	11,699
* Southern First Bancshares Inc.	297,267	11,683
* Allegiance Bancshares Inc.	279,600	11,659
Western Asset Mortgage Capital Corp.	1,161,793	11,641
Industrial Logistics Properties Trust	504,867	11,617
City Office REIT Inc.	902,985	11,396
Essential Properties Realty Trust Inc.	800,798	11,363
Anworth Mortgage Asset Corp.	2,427,983	11,242
^ Orchid Island Capital Inc.	1,539,246	11,160
BBX Capital Corp. Class A	1,502,607	11,149
HCI Group Inc.	249,884	10,932
* Byline Bancorp Inc.	481,357	10,927
Old Second Bancorp Inc.	706,090	10,909
Financial Institutions Inc.	347,155	10,901
United Community Financial Corp.	1,124,627	10,875
One Liberty Properties Inc.	390,408	10,846
First Mid-Illinois Bancshares Inc.	268,604	10,833
* Ocwen Financial Corp.	2,748,450	10,829
PennyMac Financial Services Inc. Class A	514,277	10,748
Waterstone Financial Inc.	623,471	10,693
* FRP Holdings Inc.	171,184	10,631
First Internet Bancorp	346,845	10,561
* Nicolet Bankshares Inc.	192,766	10,508
*,^ American Finance Trust Inc.	688,008	10,499
First Bancshares Inc.	268,711	10,493
*,^ Cowen Inc. Class A	639,995	10,432
^ Cambridge Bancorp	115,395	10,384
Old Line Bancshares Inc.	326,703	10,337
* On Deck Capital Inc.	1,357,324	10,275
First Connecticut Bancorp Inc.	347,419	10,266
Merchants Bancorp	399,396	10,153
^ New York REIT Inc.	554,943	10,067
* Baycom Corp.	377,192	10,063
CNB Financial Corp.	346,111	9,989
Bar Harbor Bankshares	346,732	9,958
Westwood Holdings Group Inc.	191,541	9,910
Ares Commercial Real Estate Corp.	708,994	9,905
PCSB Financial Corp.	480,397	9,771
FedNat Holding Co.	376,691	9,598
Republic Bancorp Inc. Class A	208,155	9,596
* Curo Group Holdings Corp.	313,245	9,469
* Atlantic Capital Bancshares Inc.	565,091	9,465
Oppenheimer Holdings Inc. Class A	297,174	9,391
* Tejon Ranch Co.	427,183	9,274
1st Source Corp.	174,467	9,180
Farmers National Banc Corp.	597,818	9,147
* Greenlight Capital Re Ltd. Class A	731,943	9,076
Western New England Bancorp Inc.	833,630	9,003
MidWestOne Financial Group Inc.	270,149	8,999
Arlington Asset Investment Corp. Class A	962,120	8,986
Access National Corp.	330,900	8,971
^ Innovative Industrial Properties Inc.	185,925	8,969

Northrim BanCorp Inc.	212,775	8,841
* Ambac Financial Group Inc.	431,957	8,821
MedEquities Realty Trust Inc.	903,689	8,784
Farmers & Merchants Bancorp Inc.	205,222	8,740

* BSB Bancorp Inc.	267,766	8,729
* Republic First Bancorp Inc.	1,211,736	8,664
Sierra Bancorp	293,688	8,488
*, ^ Citizens Inc. Class A	1,007,997	8,467
Global Indemnity Ltd.	220,630	8,318
BankFinancial Corp.	515,097	8,211
^ Heritage Insurance Holdings Inc.	552,830	8,193
*, ^ eXp World Holdings Inc.	441,753	8,124
SB One Bancorp	319,400	8,049
American National Bankshares Inc.	201,713	7,867
Civista Bancshares Inc.	326,244	7,859
* SmartFinancial Inc.	333,062	7,844
Home Bancorp Inc.	179,670	7,812
West Bancorporation Inc.	328,083	7,710
*, ^ Altisource Portfolio Solutions SA	239,152	7,708
Territorial Bancorp Inc.	256,399	7,577
Sutherland Asset Management Corp.	454,802	7,572
* Howard Bancorp Inc.	427,766	7,571
PICO Holdings Inc.	598,806	7,515
* Goosehead Insurance Inc. Class A	220,258	7,460
Hingham Institution for Savings	33,805	7,431
Marlin Business Services Corp.	256,781	7,408
Protective Insurance Corp. Class B	309,087	7,094
National Bankshares Inc.	155,473	7,066
Southern National Bancorp of Virginia Inc.	433,287	7,019
Business First Bancshares Inc.	262,237	6,962
Enterprise Bancorp Inc.	200,848	6,907
* Safeguard Scientifics Inc.	734,108	6,864
First Bancorp Inc.	236,310	6,846
Citizens & Northern Corp.	261,786	6,846
* HarborOne Bancorp Inc.	357,784	6,841
Bluerock Residential Growth REIT Inc. Class A	693,517	6,796
^ GAIN Capital Holdings Inc.	1,041,512	6,770
* Regional Management Corp.	234,110	6,749
Great Ajax Corp.	494,202	6,726
Peoples Financial Services Corp.	158,580	6,724
Macatawa Bank Corp.	573,928	6,721
Reliant Bancorp Inc.	261,060	6,675
Ladenburg Thalmann Financial Services Inc.	2,456,137	6,632
FS Bancorp Inc.	118,369	6,596
First Choice Bancorp	243,392	6,593
Southern Missouri Bancorp Inc.	176,749	6,587
Newmark Group Inc. Class A	578,678	6,475
RBB Bancorp	258,037	6,322
Guaranty Bancshares Inc.	208,525	6,304
Shore Bancshares Inc.	343,813	6,127
Capital City Bank Group Inc.	261,754	6,109
Codorus Valley Bancorp Inc.	194,068	6,063
^ Farmland Partners Inc.	889,566	5,960
MutualFirst Financial Inc.	160,725	5,923
MidSouth Bancorp Inc.	380,700	5,863
Safety Income & Growth Inc.	310,822	5,822
Central Valley Community Bancorp	269,129	5,816

First Bank	440,779	5,796
* Metropolitan Bank Holding Corp.	140,888	5,793
EMC Insurance Group Inc.	233,256	5,766
Summit Financial Group Inc.	241,296	5,600

Tiptree Inc.	851,899	5,580
Bankwell Financial Group Inc.	175,173	5,493
* Bank of Princeton	176,661	5,395
* Elevate Credit Inc.	668,211	5,386
*, ^ Forestar Group Inc.	253,619	5,377
Investar Holding Corp.	198,094	5,319
Timberland Bancorp Inc.	168,382	5,260
Bank of Commerce Holdings	425,383	5,190
Maiden Holdings Ltd.	1,816,970	5,178
Orrstown Financial Services Inc.	216,146	5,144
Investors Title Co.	30,618	5,141
Kingstone Cos. Inc.	270,198	5,134
MBT Financial Corp.	451,430	5,101
Century Bancorp Inc. Class A	70,240	5,075
Evans Bancorp Inc.	107,460	5,045
ACNB Corp.	135,616	5,045
Global Medical REIT Inc.	530,471	4,997
Clipper Realty Inc.	366,744	4,962
Penns Woods Bancorp Inc.	113,486	4,931
* Stratus Properties Inc.	160,141	4,900
* AV Homes Inc.	242,670	4,853
First Business Financial Services Inc.	207,976	4,821
Ellington Residential Mortgage REIT	423,099	4,777
Reis Inc.	207,506	4,773
* Select Bancorp Inc.	383,103	4,750
Riverview Bancorp Inc.	535,464	4,734
BCB Bancorp Inc.	341,162	4,725
* First Northwest Bancorp	303,161	4,669
C&F Financial Corp.	79,292	4,658
Unity Bancorp Inc.	201,095	4,605
CB Financial Services Inc.	149,258	4,605
Norwood Financial Corp.	117,541	4,603
Northeast Bancorp	210,446	4,567
* NI Holdings Inc.	268,788	4,534
Gladstone Land Corp.	362,128	4,469
Independence Holding Co.	123,853	4,446
^ Owens Realty Mortgage Inc.	255,122	4,309
* MoneyGram International Inc.	793,737	4,246
* Community Bankers Trust Corp.	480,711	4,230
ESSA Bancorp Inc.	257,351	4,185
SI Financial Group Inc.	296,390	4,149
LCNB Corp.	222,195	4,144
Community Financial Corp.	123,044	4,113
Premier Financial Bancorp Inc.	221,460	4,095
* Hallmark Financial Services Inc.	369,396	4,063
Parke Bancorp Inc.	180,526	4,053
* Entegra Financial Corp.	148,505	3,943
Sterling Bancorp Inc.	347,494	3,930
Pzena Investment Management Inc. Class A	408,696	3,899
* National Energy Services Reunited Corp.	334,114	3,882
MVB Financial Corp.	215,392	3,881
* Pacific Mercantile Bancorp	414,396	3,875
* Trinity Place Holdings Inc.	631,748	3,847

First Community Corp.	156,212	3,780
Mackinac Financial Corp.	230,769	3,738
Fidelity D&D Bancorp Inc.	54,022	3,726
Chemung Financial Corp.	87,097	3,696

Donegal Group Inc. Class A	257,465	3,659
Associated Capital Group Inc. Class A	83,468	3,552
Silvercrest Asset Management Group Inc. Class A	251,053	3,477
First Financial Northwest Inc.	208,673	3,458
Union Bankshares Inc.	64,062	3,405
GAMCO Investors Inc. Class A	142,988	3,349
* Malvern Bancorp Inc.	138,631	3,320
Middlefield Banc Corp.	68,882	3,244
United Security Bancshares	290,105	3,220
County Bancorp Inc.	128,127	3,216
Prudential Bancorp Inc.	185,091	3,204
First Guaranty Bancshares Inc.	124,659	3,202
* Ashford Inc.	41,398	3,141
Peoples Bancorp of North Carolina Inc.	108,780	3,137
* Atlas Financial Holdings Inc.	311,394	3,130
*,^ Esquire Financial Holdings Inc.	124,327	3,103
Griffin Industrial Realty Inc.	79,137	3,086
* Provident Bancorp Inc.	106,419	3,081
1st Constitution Bancorp	144,409	2,989
* Spirit of Texas Bancshares Inc.	137,517	2,969
* Coastway Bancorp Inc.	105,086	2,963
Provident Financial Holdings Inc.	161,855	2,962
Origin Bancorp Inc.	77,550	2,920
Sotherly Hotels Inc.	395,197	2,845
Federal Agricultural Mortgage Corp. Class A	41,769	2,817
SB Financial Group Inc.	137,713	2,802
Ohio Valley Banc Corp.	76,238	2,794
* Victory Capital Holdings Inc. Class A	289,807	2,765
First United Corp.	145,173	2,729
Old Point Financial Corp.	91,136	2,725
^ Greene County Bancorp Inc.	84,740	2,720
BRT Apartments Corp.	224,269	2,700
DNB Financial Corp.	70,791	2,612
Hunt Cos. Finance Trust Inc.	681,704	2,556
MSB Financial Corp.	121,527	2,479
Two River Bancorp	140,881	2,443
Luther Burbank Corp.	219,716	2,391
* Maui Land & Pineapple Co. Inc.	184,126	2,357
Capstar Financial Holdings Inc.	140,210	2,342
*,^ OP Bancorp	198,037	2,297
* Randolph Bancorp Inc.	134,594	2,225
* PDL Community Bancorp	143,158	2,163
* Aspen Group Inc.	315,838	2,148
Plumas Bancorp	85,785	2,132
* Rafael Holdings Inc. Class B	247,337	2,078
American River Bankshares	131,277	2,011
^ First Savings Financial Group Inc.	29,281	1,999
*,^ Impac Mortgage Holdings Inc.	263,825	1,976
Summit State Bank	126,542	1,942
*,^ 3PEA International Inc.	527,400	1,936
* Jason Industries Inc.	564,697	1,903
* Consumer Portfolio Services Inc.	496,653	1,838
AmeriServ Financial Inc.	417,649	1,796

* Bridgewater Bancshares Inc.	136,674	1,779
Blue Capital Reinsurance Holdings Ltd.	163,323	1,666
* Transcontinental Realty Investors Inc.	50,663	1,616
*,^ITUS Corp.	347,601	1,613

Hennessy Advisors Inc.	115,136	1,595
PB Bancorp Inc.	131,822	1,549
Condor Hospitality Trust Inc.	141,971	1,518
Global Self Storage Inc.	353,584	1,482
* Nicholas Financial Inc.	124,786	1,474
* Anchor Bancorp Inc.	51,811	1,466
* Performant Financial Corp.	709,340	1,433
Severn Bancorp Inc.	138,554	1,358
Poage Bankshares Inc.	53,100	1,346
Eagle Bancorp Montana Inc.	70,782	1,285
Sound Financial Bancorp Inc.	32,075	1,269
Citizens Community Bancorp Inc.	86,623	1,213
Manhattan Bridge Capital Inc.	183,410	1,174
Manning & Napier Inc.	385,373	1,137
First US Bancshares Inc.	102,757	1,115
Urstadt Biddle Properties Inc.	64,362	1,108
* Bank7 Corp.	56,400	1,086
United Bancorp Inc.	80,836	1,063
Elmira Savings Bank	51,975	1,060
*,^ Riot Blockchain Inc.	286,442	1,046
*,^ Tremont Mortgage Trust	78,446	922
*,^ Coastal Financial Corp.	51,042	868
Medley Management Inc. Class A	163,603	859
^ Wheeler REIT Inc.	199,544	854
* International Money Express Inc.	70,800	851
* Security National Financial Corp. Class A	161,655	841
* Altisource Asset Management Corp.	14,000	838
§ Winthrop Realty Trust	562,609	815
Bank of South Carolina Corp.	40,096	814
* Limestone Bancorp Inc.	52,082	807
* Pacific City Financial Corp.	40,900	791
Sachem Capital Corp.	174,987	730
Pathfinder Bancorp Inc.	48,152	725
* Meridian Corp.	42,029	723
Ames National Corp.	24,394	665
* FFBW Inc.	55,772	633
Citizens First Corp.	23,929	628
*,^ Intersections Inc.	341,144	617
* 1347 Property Insurance Holdings Inc.	91,546	600
Bancorp 34 Inc.	37,486	593
* Broadway Financial Corp.	416,600	587
* Conifer Holdings Inc.	103,597	585
Central Federal Corp.	34,785	539
Bank of the James Financial Group Inc.	32,551	515
IF Bancorp Inc.	21,426	494
* Community First Bancshares Inc.	38,486	450
^ US Global Investors Inc. Class A	289,331	440
^ HV Bancorp Inc.	25,024	384
Ottawa Bancorp Inc.	27,075	375
* Eagle Financial Bancorp Inc.	19,339	307
* National Holdings Corp.	94,636	303
^ Level One Bancorp Inc.	10,139	282
* First Western Financial Inc.	13,117	229

* Capital Bancorp Inc.	16,948	216
WVS Financial Corp.	11,313	181
* JW Mays Inc.	4,414	166
* Income Opportunity Realty Investors Inc.	12,550	148

Southwest Georgia Financial Corp.	6,256	144
* ICC Holdings Inc.	8,902	134
*,^ RMG Networks Holding Corp.	101,773	131
* Carolina Trust Bancshares Inc.	14,298	118
* InterGroup Corp.	3,196	111
*,^ Ditech Holding Corp.	23,292	100
Asta Funding Inc.	22,841	90
* National Holdings Corp. Warrants Exp. 01/18/2022	92,151	55
^ CPI Card Group Inc.	16,009	54
* FSB Bancorp Inc.	2,939	51
* Oxbridge Re Holdings Ltd.	17,951	33
Bancorp of New Jersey Inc.	935	16
*,^ Ditech Holding Corp Warrants Exp 01/31/2028	43,103	12
Glen Burnie Bancorp	857	11
*,^ Ditech Holding Corp Series B Warrants Exp. 01/31/2028	34,201	4
GWG Holdings Inc.	300	2
§ MTGE Investment Corp.	81	2
	143,747,721	

Health Care (13.6%)

Johnson & Johnson	68,167,739	9,418,736
Pfizer Inc.	148,882,761	6,561,263
UnitedHealth Group Inc.	24,445,135	6,503,384
Merck & Co. Inc.	67,679,067	4,801,153
AbbVie Inc.	38,483,685	3,639,787
Amgen Inc.	16,478,901	3,415,911
Medtronic plc	34,425,700	3,386,456
Abbott Laboratories	44,528,674	3,266,624
Eli Lilly & Co.	24,624,151	2,642,418
Bristol-Myers Squibb Co.	41,498,324	2,576,216
Gilead Sciences Inc.	32,991,796	2,547,297
Thermo Fisher Scientific Inc.	10,225,195	2,495,766
* Biogen Inc.	5,126,972	1,811,410
Anthem Inc.	6,593,612	1,806,979
Becton Dickinson and Co.	6,784,087	1,770,647
Aetna Inc.	8,309,797	1,685,642
* Intuitive Surgical Inc.	2,887,749	1,657,568
Allergan plc	8,618,275	1,641,609
* Celgene Corp.	17,905,120	1,602,329
* Illumina Inc.	3,731,851	1,369,813
* Express Scripts Holding Co.	14,275,331	1,356,299
* Boston Scientific Corp.	35,104,284	1,351,515
Stryker Corp.	7,589,014	1,348,416
Cigna Corp.	6,174,308	1,285,800
* Vertex Pharmaceuticals Inc.	6,488,410	1,250,576
Humana Inc.	3,494,455	1,182,943
Zoetis Inc.	12,282,154	1,124,554
Baxter International Inc.	12,958,028	998,934
HCA Healthcare Inc.	7,065,879	983,005
* Edwards Lifesciences Corp.	5,357,911	932,812
* Regeneron Pharmaceuticals Inc.	2,020,559	816,387
* Align Technology Inc.	1,937,758	758,090
* Alexion Pharmaceuticals Inc.	5,368,067	746,215
* Centene Corp.	4,956,285	717,571

Zimmer Biomet Holdings Inc.	5,164,431	678,968
* IDEXX Laboratories Inc.	2,205,299	550,575
* IQVIA Holdings Inc.	4,144,830	537,750
* ABIOMED Inc.	1,083,042	487,098

* Mylan NV	12,433,079	455,051
* Laboratory Corp. of America Holdings	2,599,119	451,415
* BioMarin Pharmaceutical Inc.	4,503,449	436,699
Cardinal Health Inc.	7,882,510	425,656
ResMed Inc.	3,622,589	417,829
* WellCare Health Plans Inc.	1,252,507	401,416
Quest Diagnostics Inc.	3,445,141	371,765
Cooper Cos. Inc.	1,242,651	344,401
* Henry Schein Inc.	3,907,827	332,283
* DexCom Inc.	2,245,014	321,127
* Incyte Corp.	4,574,537	316,009
Teleflex Inc.	1,156,842	307,824
* Hologic Inc.	6,920,316	283,595
* Neurocrine Biosciences Inc.	2,297,891	282,526
Universal Health Services Inc. Class B	2,209,255	282,431
* Nektar Therapeutics Class A	4,384,914	267,304
* Varian Medical Systems Inc.	2,319,007	259,566
* Sarepta Therapeutics Inc.	1,604,393	259,126
* Exact Sciences Corp.	3,117,685	246,048
STERIS plc	2,149,244	245,874
* Jazz Pharmaceuticals plc	1,448,001	243,452
West Pharmaceutical Services Inc.	1,878,988	231,999
* DaVita Inc.	3,218,864	230,567
Perrigo Co. plc	3,152,732	223,213
* Molina Healthcare Inc.	1,488,908	221,401
Dentsply Sirona Inc.	5,710,256	215,505
* Seattle Genetics Inc.	2,609,303	201,229
* Alnylam Pharmaceuticals Inc.	2,296,986	201,032
* Bluebird Bio Inc.	1,373,691	200,559
Bio-Techne Corp.	953,660	194,652
Encompass Health Corp.	2,378,971	185,441
* Alkermes plc	3,936,751	167,076
* Bio-Rad Laboratories Inc. Class A	532,140	166,555
* Catalent Inc.	3,650,268	166,270
* Ionis Pharmaceuticals Inc.	3,158,160	162,898
* Charles River Laboratories International Inc.	1,210,194	162,820
* PRA Health Sciences Inc.	1,472,012	162,201
* Sage Therapeutics Inc.	1,123,906	158,752
* Insulet Corp.	1,492,889	158,172
Hill-Rom Holdings Inc.	1,670,990	157,741
* Haemonetics Corp.	1,329,861	152,375
* Masimo Corp.	1,182,777	147,303
* ^ Teladoc Health Inc.	1,674,126	144,561
* Ligand Pharmaceuticals Inc.	515,458	141,488
* HealthEquity Inc.	1,495,808	141,219
* Envision Healthcare Corp.	3,071,703	140,469
* United Therapeutics Corp.	1,050,885	134,387
* Exelixis Inc.	7,547,140	133,735
Chemed Corp.	403,916	129,083
* Penumbra Inc.	783,655	117,313
* Loxo Oncology Inc.	684,467	116,927
* Integra LifeSciences Holdings Corp.	1,773,700	116,834
* FibroGen Inc.	1,918,893	116,573

* ICU Medical Inc.	409,487	115,782
* Inogen Inc.	461,327	112,619
* MEDNAX Inc.	2,348,113	109,563
* Syneos Health Inc.	2,091,445	107,814

* Globus Medical Inc.	1,880,435	106,733
* Novocure Ltd.	1,849,935	96,937
* Agios Pharmaceuticals Inc.	1,244,439	95,971
*,^ Wright Medical Group NV	3,168,292	91,944
* Amedisys Inc.	735,636	91,925
* NuVasive Inc.	1,292,572	91,747
* Neogen Corp.	1,245,074	89,060
* Ultragenyx Pharmaceutical Inc.	1,165,323	88,961
* Endo International plc	5,121,420	86,194
Bruker Corp.	2,575,324	86,145
* Immunomedics Inc.	4,026,590	83,874
Cantel Medical Corp.	902,070	83,045
* Horizon Pharma plc	4,217,356	82,576
* Myriad Genetics Inc.	1,792,882	82,473
* Blueprint Medicines Corp.	1,056,465	82,468
* Array BioPharma Inc.	5,404,544	82,149
* Avanos Medical Inc.	1,185,904	81,234
* Merit Medical Systems Inc.	1,316,209	80,881
* LHC Group Inc.	746,247	76,856
* Acadia Healthcare Co. Inc.	2,126,648	74,858
* Tenet Healthcare Corp.	2,595,836	73,877
^ Healthcare Services Group Inc.	1,766,716	71,764
*,^ Intercept Pharmaceuticals Inc.	561,274	70,923
* Emergent BioSolutions Inc.	1,072,948	70,632
* Aerie Pharmaceuticals Inc.	1,140,361	70,189
* HMS Holdings Corp.	2,115,410	69,407
* Omnicell Inc.	938,827	67,502
* Ironwood Pharmaceuticals Inc. Class A	3,519,633	64,972
* Supernus Pharmaceuticals Inc.	1,253,449	63,111
* Amneal Pharmaceuticals Inc.	2,805,397	62,252
*,^ Mallinckrodt plc	2,097,071	61,465
* REGENXBIO Inc.	811,689	61,283
* LifePoint Health Inc.	927,010	59,699
* Halozyme Therapeutics Inc.	3,266,520	59,353
* Amicus Therapeutics Inc.	4,814,479	58,207
* Arena Pharmaceuticals Inc.	1,250,136	57,531
* Heron Therapeutics Inc.	1,810,610	57,306
* Cambrex Corp.	828,042	56,638
* MyoKardia Inc.	859,885	56,065
* Acceleron Pharma Inc.	978,512	56,000
* PTC Therapeutics Inc.	1,191,114	55,982
* Tandem Diabetes Care Inc.	1,296,218	55,530
* Repligen Corp.	997,497	55,321
* Quidel Corp.	842,136	54,882
CONMED Corp.	666,864	52,829
*,^ ACADIA Pharmaceuticals Inc.	2,531,407	52,552
*,^ Glaukos Corp.	807,982	52,438
* Prestige Consumer Healthcare Inc.	1,340,772	50,802
^ Patterson Cos. Inc.	2,075,468	50,745
*,^ Medicines Co.	1,696,384	50,739
* BioTelemetry Inc.	782,963	50,462
* iRhythm Technologies Inc.	529,514	50,124
*,^ Zogenix Inc.	1,008,918	50,042

* AnaptysBio Inc.	500,224	49,907
* Momenta Pharmaceuticals Inc.	1,887,628	49,645
* Pacira Pharmaceuticals Inc.	986,496	48,486
* Select Medical Holdings Corp.	2,627,093	48,339

Ensign Group Inc.	1,249,833	47,394
* Xencor Inc.	1,208,712	47,104
* NxStage Medical Inc.	1,667,044	46,494
* Brookdale Senior Living Inc.	4,715,694	46,355
* Madrigal Pharmaceuticals Inc.	214,853	46,006
* Global Blood Therapeutics Inc.	1,181,536	44,898
* Magellan Health Inc.	620,031	44,673
* Sangamo Therapeutics Inc.	2,602,172	44,107
*,^ Spark Therapeutics Inc.	807,172	44,031
* WageWorks Inc.	1,021,097	43,652
* Portola Pharmaceuticals Inc.	1,611,573	42,916
* Nevro Corp.	722,322	41,172
* Spectrum Pharmaceuticals Inc.	2,419,530	40,648
* Medpace Holdings Inc.	676,206	40,512
* STAAR Surgical Co.	831,440	39,909
* Insmed Inc.	1,944,805	39,324
*,^ Arrowhead Pharmaceuticals Inc.	2,020,705	38,737
* Genomic Health Inc.	543,745	38,182
US Physical Therapy Inc.	319,550	37,899
* Puma Biotechnology Inc.	823,942	37,778
*,^ TESARO Inc.	965,494	37,664
* Clovis Oncology Inc.	1,264,168	37,129
*,^ Reata Pharmaceuticals Inc. Class A	450,876	36,864
* Corcept Therapeutics Inc.	2,616,125	36,678
* ImmunoGen Inc.	3,782,159	35,817
* Atara Biotherapeutics Inc.	862,543	35,666
* Mirati Therapeutics Inc.	740,413	34,873
* Editas Medicine Inc.	1,078,095	34,305
* G1 Therapeutics Inc.	654,493	34,223
*,^ Theravance Biopharma Inc.	1,040,016	33,977
* NeoGenomics Inc.	2,205,543	33,855
*,^ Endocyte Inc.	1,815,285	32,239
* Tivity Health Inc.	996,992	32,053
* Akorn Inc.	2,436,743	31,629
Luminex Corp.	1,036,474	31,416
*,^ TherapeuticsMD Inc.	4,782,266	31,372
* Cardiovascular Systems Inc.	801,333	31,364
* Enanta Pharmaceuticals Inc.	364,491	31,149
*,^ Intrexon Corp.	1,800,304	31,001
* AxoGen Inc.	836,367	30,820
*,^ Denali Therapeutics Inc.	1,409,833	30,650
* Retrophin Inc.	1,036,214	29,770
*,^ OPKO Health Inc.	8,586,789	29,710
* AtriCure Inc.	846,806	29,664
* CryoLife Inc.	827,450	29,126
* Natus Medical Inc.	810,075	28,879
* Vanda Pharmaceuticals Inc.	1,253,818	28,775
*,^ Omeros Corp.	1,170,720	28,577
* K2M Group Holdings Inc.	1,034,100	28,303
* Aimimmune Therapeutics Inc.	1,032,773	28,174
* Tactile Systems Technology Inc.	394,526	28,031
*,^ Esperion Therapeutics Inc.	627,839	27,857
* Invitae Corp.	1,664,010	27,839

* Audentes Therapeutics Inc.	700,033	27,714
* Varex Imaging Corp.	938,359	26,893
* Innoviva Inc.	1,762,776	26,865
* Orthofix Medical Inc.	460,282	26,609

Owens & Minor Inc.	1,580,606	26,112
* , ^ Viking Therapeutics Inc.	1,486,052	25,887
* Cerus Corp.	3,418,873	24,650
* Iovance Biotherapeutics Inc.	2,184,349	24,574
* Alder Biopharmaceuticals Inc.	1,475,304	24,564
Atrion Corp.	34,801	24,180
* Surmodics Inc.	323,317	24,136
* Coherus Biosciences Inc.	1,458,133	24,059
* Natera Inc.	1,003,656	24,028
* Intra-Cellular Therapies Inc.	1,099,983	23,870
* R1 RCM Inc.	2,301,469	23,383
* Acorda Therapeutics Inc.	1,178,580	23,159
* OraSure Technologies Inc.	1,459,421	22,548
* Fate Therapeutics Inc.	1,376,147	22,417
* Karyopharm Therapeutics Inc.	1,292,363	22,009
* , ^ Intellia Therapeutics Inc.	762,742	21,830
* Assembly Biosciences Inc.	580,197	21,549
* Intersect ENT Inc.	731,638	21,035
* BioCryst Pharmaceuticals Inc.	2,726,783	20,805
* , ^ Eagle Pharmaceuticals Inc.	300,071	20,804
* MacroGenics Inc.	968,834	20,772
* Revance Therapeutics Inc.	833,748	20,719
* , ^ Dynavax Technologies Corp.	1,610,428	19,969
* , ^ Cara Therapeutics Inc.	824,690	19,751
* CareDx Inc.	682,187	19,681
* AngioDynamics Inc.	904,295	19,659
* CytomX Therapeutics Inc.	1,042,889	19,293
HealthStream Inc.	621,494	19,273
* Heska Corp.	169,506	19,207
* , ^ Solid Biosciences Inc.	404,856	19,101
* , ^ Pacific Biosciences of California Inc.	3,389,043	18,335
* , ^ Radius Health Inc.	1,020,840	18,171
* Rhythm Pharmaceuticals Inc.	614,292	17,919
* , ^ Novavax Inc.	9,386,509	17,647
National HealthCare Corp.	233,303	17,584
* Addus HomeCare Corp.	243,277	17,066
* Cymabay Therapeutics Inc.	1,497,495	16,592
* AMAG Pharmaceuticals Inc.	824,724	16,494
* Dicerna Pharmaceuticals Inc.	1,075,643	16,414
* Amphastar Pharmaceuticals Inc.	850,984	16,373
* , ^ PetIQ Inc. Class A	415,006	16,314
* , ^ ViewRay Inc.	1,740,753	16,293
LeMaitre Vascular Inc.	412,954	15,998
Meridian Bioscience Inc.	1,061,951	15,823
* , ^ Athenex Inc.	1,009,268	15,684
* , ^ Flexion Therapeutics Inc.	837,678	15,673
* , ^ MiMedx Group Inc.	2,534,345	15,662
* , ^ Accelerate Diagnostics Inc.	674,384	15,477
* Vericel Corp.	1,092,962	15,465
* Anika Therapeutics Inc.	361,395	15,244
* ArQule Inc.	2,690,128	15,226
* Deciphera Pharmaceuticals Inc.	371,850	14,398
* CorVel Corp.	237,667	14,319

* RadNet Inc.	947,211	14,256
*,^ Senseonics Holdings Inc.	2,961,021	14,124
* Kura Oncology Inc.	800,815	14,014
*,^ Rocket Pharmaceuticals Inc.	558,691	13,755

* Epizyme Inc.	1,293,564	13,712
* Sientra Inc.	564,495	13,480
* Progenics Pharmaceuticals Inc.	2,144,266	13,445
* Achillion Pharmaceuticals Inc.	3,647,254	13,422
* Rigel Pharmaceuticals Inc.	4,139,028	13,286
* Lantheus Holdings Inc.	885,464	13,238
* Inovio Pharmaceuticals Inc.	2,326,947	12,938
*,^Verastem Inc.	1,768,068	12,818
*,^Apollo Medical Holdings Inc.	572,883	12,644
* NanoString Technologies Inc.	688,635	12,278
* Stemline Therapeutics Inc.	739,542	12,276
* Antares Pharma Inc.	3,615,381	12,148
Invacare Corp.	820,969	11,945
* GlycoMimetics Inc.	821,051	11,823
* Cytokinetics Inc.	1,196,934	11,790
* ANI Pharmaceuticals Inc.	207,214	11,716
* Voyager Therapeutics Inc.	614,373	11,624
*,^Akcea Therapeutics Inc.	330,131	11,561
* Five Prime Therapeutics Inc.	823,831	11,468
* Apellis Pharmaceuticals Inc.	642,578	11,425
* Kindred Biosciences Inc.	813,281	11,345
*,^Lexicon Pharmaceuticals Inc.	1,062,311	11,335
*,^Adamas Pharmaceuticals Inc.	552,635	11,064
Utah Medical Products Inc.	116,605	10,984
* BioScrip Inc.	3,537,123	10,965
*,^Abeona Therapeutics Inc.	849,503	10,874
* Minerva Neurosciences Inc.	865,929	10,867
* ChemoCentryx Inc.	859,605	10,865
*,^Synergy Pharmaceuticals Inc.	6,387,537	10,859
* Triple-S Management Corp. Class B	571,661	10,799
*,^Collegium Pharmaceutical Inc.	723,166	10,659
* Cutera Inc.	326,984	10,643
* Akebia Therapeutics Inc.	1,199,151	10,589
*,^La Jolla Pharmaceutical Co.	520,624	10,480
* PDL BioPharma Inc.	3,955,979	10,404
*,^MediciNova Inc.	831,085	10,380
*,^ZIOPHARM Oncology Inc.	3,236,281	10,356
* Accuray Inc.	2,255,210	10,148
*,^Community Health Systems Inc.	2,916,261	10,090
*,^AVEO Pharmaceuticals Inc.	3,030,713	10,032
*,^Corbus Pharmaceuticals Holdings Inc.	1,326,754	10,017
* GenMark Diagnostics Inc.	1,358,592	9,986
* Dermira Inc.	906,158	9,877
* Marinus Pharmaceuticals Inc.	983,722	9,837
*,^Sorrento Therapeutics Inc.	2,231,049	9,817
* Zafgen Inc.	831,696	9,723
* Tricida Inc.	315,142	9,628
*,^Allakos Inc.	210,540	9,472
*,^CytoSorbents Corp.	730,169	9,419
* BioSpecifics Technologies Corp.	160,625	9,395
*,^TG Therapeutics Inc.	1,670,142	9,353
*,^Aclaris Therapeutics Inc.	643,740	9,347
* Concert Pharmaceuticals Inc.	621,833	9,228

* Avid Bioservices Inc.	1,336,634	9,169
* Catalyst Pharmaceuticals Inc.	2,422,796	9,158
* Kadmon Holdings Inc.	2,652,760	8,860
* Aduro Biotech Inc.	1,184,388	8,705

* Assertio Therapeutics Inc.	1,447,347	8,510
*,^Surgery Partners Inc.	506,899	8,364
*,^Geron Corp.	4,677,906	8,233
* Veracyte Inc.	856,681	8,181
* Adverum Biotechnologies Inc.	1,346,222	8,145
* SIGA Technologies Inc.	1,175,716	8,101
* RTI Surgical Inc.	1,796,379	8,084
*,^Paratek Pharmaceuticals Inc.	829,623	8,047
* OrthoPediatics Corp.	216,151	7,920
*,^Inspire Medical Systems Inc.	187,553	7,892
* Aldeyra Therapeutics Inc.	566,727	7,821
*,^Savara Inc.	698,000	7,790
* MEI Pharma Inc.	1,800,881	7,762
* Avrobio Inc.	148,078	7,681
*,^Insys Therapeutics Inc.	757,155	7,632
* Ra Pharmaceuticals Inc.	418,990	7,580
*,^Keryx Biopharmaceuticals Inc.	2,212,271	7,522
*,^Corium International Inc.	782,167	7,438
*,^Eloxx Pharmaceuticals Inc.	434,350	7,401
* Enzo Biochem Inc.	1,763,822	7,267
* Capital Senior Living Corp.	768,925	7,259
*,^Rubius Therapeutics Inc.	293,254	7,038
*,^Tocagen Inc.	450,195	7,019
* Aquestive Therapeutics Inc.	397,232	6,956
*,^MannKind Corp.	3,692,721	6,758
* Syros Pharmaceuticals Inc.	565,552	6,736
* T2 Biosystems Inc.	894,952	6,667
*,^Dova Pharmaceuticals Inc.	315,061	6,607
* American Renal Associates Holdings Inc.	304,793	6,599
*,^Athersys Inc.	3,115,989	6,544
* Aratana Therapeutics Inc.	1,118,961	6,535
* Synlogic Inc.	457,004	6,494
*,^Selecta Biosciences Inc.	415,666	6,464
* Bellicum Pharmaceuticals Inc.	1,041,688	6,417
* Civitas Solutions Inc.	418,033	6,166
* Sienna Biopharmaceuticals Inc.	407,979	6,046
* Fluidigm Corp.	801,996	6,007
*,^iRadimed Corp.	159,881	5,940
*,^Homology Medicines Inc.	251,449	5,748
* Harvard Bioscience Inc.	1,094,705	5,747
*,^Optinose Inc.	460,798	5,728
* Bovie Medical Corp.	797,766	5,664
* BioLife Solutions Inc.	321,092	5,619
*,^BioTime Inc.	2,352,117	5,527
*,^Galectin Therapeutics Inc.	915,093	5,500
*,^Palatin Technologies Inc.	5,467,412	5,454
*,^Ocular Therapeutix Inc.	788,635	5,426
*,^Rockwell Medical Inc.	1,271,917	5,367
*,^Agenus Inc.	2,480,361	5,308
* Osiris Therapeutics Inc.	472,443	5,244
* Acer Therapeutics Inc.	167,000	5,150
* Ardelyx Inc.	1,164,408	5,065
* Idera Pharmaceuticals Inc.	556,783	4,961

* Chimerix Inc.	1,269,753	4,939
* ^AcelRx Pharmaceuticals Inc.	1,280,653	4,931
* ^Amyris Inc.	609,083	4,836
* Neuronetics Inc.	149,213	4,784

* ^Teligent Inc.	1,209,580	4,778
* Aptinyx Inc.	164,714	4,770
* SeaSpine Holdings Corp.	305,657	4,756
* ^CASI Pharmaceuticals Inc.	1,017,384	4,751
* KalVista Pharmaceuticals Inc.	209,924	4,641
* Quorum Health Corp.	778,165	4,560
* ADMA Biologics Inc.	726,231	4,510
* ^Quanterix Corp.	210,292	4,504
* ^Conatus Pharmaceuticals Inc.	770,799	4,471
* ^Unum Therapeutics Inc.	426,400	4,392
* Endologix Inc.	2,297,332	4,388
* ^Evolus Inc.	235,641	4,388
* Aeglea BioTherapeutics Inc.	456,156	4,365
* Durect Corp.	3,933,650	4,327
* FONAR Corp.	172,733	4,301
* ^Lannett Co. Inc.	902,521	4,287
* Celcuity Inc.	145,249	4,177
* ^Crinetics Pharmaceuticals Inc.	145,705	4,174
* ^Seres Therapeutics Inc.	547,662	4,157
* ^Helius Medical Technologies Inc. Class A	414,264	4,056
* ^Verrica Pharmaceuticals Inc.	247,806	4,027
* BioDelivery Sciences International Inc.	1,428,021	3,998
* ^EyePoint Pharmaceuticals Inc.	1,116,141	3,985
* Kiniksa Pharmaceuticals Ltd. Class A	155,416	3,963
* Clearside Biomedical Inc.	639,757	3,935
* Melinta Therapeutics Inc.	964,356	3,809
* Calithera Biosciences Inc.	709,287	3,724
* Spring Bank Pharmaceuticals Inc.	307,487	3,705
* Tetraphase Pharmaceuticals Inc.	1,306,039	3,605
* Chembio Diagnostics Inc.	341,504	3,586
* ^Achaogen Inc.	895,931	3,575
* Eiger BioPharmaceuticals Inc.	296,974	3,564
* ^Infinity Pharmaceuticals Inc.	1,310,605	3,552
* ^Adamis Pharmaceuticals Corp.	1,012,052	3,542
* ^Trevena Inc.	1,663,785	3,527
* Pfenex Inc.	687,817	3,515
* Catalyst Biosciences Inc.	325,667	3,511
* ^Invuity Inc.	467,978	3,463
* Corvus Pharmaceuticals Inc.	397,917	3,414
* ^XOMA Corp.	193,916	3,407
* ^Sesen Bio Inc.	1,580,909	3,399
* ^Odonate Therapeutics Inc.	174,867	3,394
* Protagonist Therapeutics Inc.	325,382	3,348
* ^Liquidia Technologies Inc.	122,041	3,348
* Cue Biopharma Inc.	368,933	3,339
* Syndax Pharmaceuticals Inc.	413,185	3,339
* Immune Design Corp.	959,397	3,310
* ^Scholar Rock Holding Corp.	128,480	3,308
* Kala Pharmaceuticals Inc.	334,572	3,302
* ^Arcus Biosciences Inc.	236,362	3,295
* ^Zynerba Pharmaceuticals Inc.	400,057	3,264
* HTG Molecular Diagnostics Inc.	645,829	3,261
* ^Corindus Vascular Robotics Inc.	2,267,293	3,220

* , ^ Cohbar Inc.	741,302	3,195
* ContraFect Corp.	1,535,129	3,178
* Recro Pharma Inc.	446,813	3,177
* Replimune Group Inc.	195,662	3,150

* Menlo Therapeutics Inc.	314,104	3,094
*,^ Calyxt Inc.	202,097	3,086
* Misonix Inc.	166,315	3,077
* CTI BioPharma Corp.	1,405,912	3,037
*,^ Neos Therapeutics Inc.	624,102	3,027
*,^ Spero Therapeutics Inc.	284,720	2,992
* Mersana Therapeutics Inc.	293,828	2,938
* Surface Oncology Inc.	265,787	2,908
* Jounce Therapeutics Inc.	444,633	2,890
* Champions Oncology Inc.	161,475	2,821
*,^ AAC Holdings Inc.	368,078	2,808
*,^ Anavex Life Sciences Corp.	1,018,376	2,780
*,^ Pulse Biosciences Inc.	194,729	2,763
*,^ Organovo Holdings Inc.	2,386,935	2,745
* Provention Bio Inc.	667,129	2,675
* Xeris Pharmaceuticals Inc.	148,488	2,610
*,^ resTORbio Inc.	171,904	2,603
* Tyme Technologies Inc.	934,909	2,599
*,^ UNITY Biotechnology Inc.	158,334	2,579
Psychemedics Corp.	133,274	2,507
* Miragen Therapeutics Inc.	439,628	2,453
*,^ Sensus Healthcare Inc.	282,843	2,370
* NantKwest Inc.	640,409	2,370
* Allena Pharmaceuticals Inc.	216,422	2,324
*,^ Ekso Bionics Holdings Inc.	982,543	2,299
* Aptevio Therapeutics Inc.	451,771	2,295
* Translate Bio Inc.	228,442	2,284
*,^ TapImmune Inc.	251,647	2,277
* Ophthotech Corp.	957,165	2,259
*,^ Mustang Bio Inc.	370,067	2,202
* Apollo Endosurgery Inc.	299,492	2,147
Aceto Corp.	926,303	2,093
* Joint Corp.	238,368	2,038
*,^ Saphiris Bio Inc.	725,699	2,025
*,^ Evelo Biosciences Inc.	153,603	1,871
* Aerpio Pharmaceuticals Inc.	598,300	1,849
* Krystal Biotech Inc.	104,535	1,838
* Applied Genetic Technologies Corp.	249,924	1,824
*,^ Cidara Therapeutics Inc.	413,852	1,821
*,^ Bioxccl Therapeutics Inc.	237,282	1,818
*,^ Checkpoint Therapeutics Inc.	506,682	1,814
*,^ Genesis Healthcare Inc.	1,328,551	1,794
*,^ Restoration Robotics Inc.	612,125	1,775
* Molecular Templates Inc.	329,205	1,774
* Ovid therapeutics Inc.	309,408	1,754
* Otonomy Inc.	635,042	1,746
*,^ OncoSec Medical Inc.	1,246,138	1,745
* NewLink Genetics Corp.	723,205	1,728
* Strata Skin Sciences Inc.	480,535	1,701
* Alphatec Holdings Inc.	502,211	1,692
* Novan Inc.	597,836	1,668
* Forty Seven Inc.	110,545	1,649
*,^ Catasys Inc.	127,301	1,636

* ^ ElectroCore LLC	116,470	1,631
* Merrimack Pharmaceuticals Inc.	305,759	1,630
* IRIDEX Corp.	250,902	1,593
* ^ BrainStorm Cell Therapeutics Inc.	415,593	1,588

* Advaxis Inc.	1,659,012	1,559
*, ^ CorMedix Inc.	1,606,348	1,556
* Principia Biopharma Inc.	53,043	1,550
*, ^ Eidos Therapeutics Inc.	154,566	1,543
*, ^ Viveve Medical Inc.	569,161	1,525
* Proteostasis Therapeutics Inc.	627,578	1,512
*, ^ Celsion Corp.	536,567	1,486
*, ^ Nobilis Health Corp.	1,482,407	1,482
*, ^ Celldex Therapeutics Inc.	3,281,106	1,480
*, ^ Zosano Pharma Corp.	357,513	1,462
*, ^ SCYNEXIS Inc.	1,198,544	1,438
*, ^ Second Sight Medical Products Inc.	735,233	1,397
*, ^ Matinas BioPharma Holdings Inc.	1,485,839	1,367
*, ^ Alimera Sciences Inc.	1,393,003	1,365
*, ^ Opiant Pharmaceuticals Inc.	76,262	1,362
*, ^ Sunesis Pharmaceuticals Inc.	679,380	1,359
* Imprimis Pharmaceuticals Inc.	487,768	1,356
* Conformis Inc.	1,277,022	1,354
* Neon Therapeutics Inc.	151,003	1,290
* OncoMed Pharmaceuticals Inc.	608,160	1,289
* Catabasis Pharmaceuticals Inc.	1,605,389	1,284
*, ^ CEL-SCI Corp.	315,315	1,277
* Y-mAbs Therapeutics Inc.	48,078	1,277
*, ^ KemPharm Inc.	259,464	1,245
* Electromed Inc.	191,336	1,244
*, ^ Rexahn Pharmaceuticals Inc.	697,518	1,242
* InfuSystem Holdings Inc.	378,907	1,231
*, ^ XBiotech Inc.	383,732	1,220
*, ^ Actinium Pharmaceuticals Inc.	1,644,826	1,220
*, ^ Curis Inc.	673,049	1,198
*, ^ Magenta Therapeutics Inc.	99,301	1,193
*, ^ Xtant Medical Holdings Inc.	302,385	1,164
* Alpine Immune Sciences Inc.	182,949	1,158
* Axsome Therapeutics Inc.	335,662	1,158
* Cumberland Pharmaceuticals Inc.	198,124	1,131
*, ^ Ampio Pharmaceuticals Inc.	2,202,616	1,119
* Leap Therapeutics Inc.	136,719	1,065
*, ^ Asterias Biotherapeutics Inc. Class A	804,565	1,046
*, ^ Fortress Biotech Inc.	645,157	1,032
*, ^ VIVUS Inc.	233,726	1,031
* Caladrius Biosciences Inc.	174,630	1,030
*, ^ Tracon Pharmaceuticals Inc.	497,527	1,020
*, ^ Genoea Biosciences Inc.	1,250,031	975
* CAS Medical Systems Inc.	424,399	968
*, ^ Evoke Pharma Inc.	324,399	967
* Versartis Inc.	676,069	946
* Chiasma Inc.	256,793	924
*, ^ AzurRx BioPharma Inc.	348,814	896
*, ^ Heat Biologics Inc.	437,966	876
* Aevi Genomic Medicine Inc.	694,219	854
* Constellation Pharmaceuticals Inc.	120,603	812
*, ^ Onconova Therapeutics Inc.	109,747	806
*, ^ Oncocyte Corp.	318,793	797

* , ^ Bellerophon Therapeutics Inc.	686,231	741
* Evofem Biosciences Inc.	174,844	708
* , ^ Navidea Biopharmaceuticals Inc.	3,067,067	707
* , ^ Obalon Therapeutics Inc.	254,939	688

* Orgenesis Inc.	119,007	659
*, ^Moleculin Biotech Inc.	408,934	654
*, ^Fulgent Genetics Inc.	155,059	609
Gritstone Oncology Inc.	42,300	602
* PLx Pharma Inc.	148,539	602
Digirad Corp.	398,827	598
*, ^scPharmaceuticals Inc.	101,200	594
*, ^Vermillion Inc.	823,255	585
*, ^BioPharmX Corp.	2,965,020	563
* ImmuCell Corp.	65,054	542
*, ^OvaScience Inc.	737,991	539
* Vical Inc.	393,089	539
*, ^IsoRay Inc.	1,027,112	533
*, ^CytRx Corp.	492,357	517
^ Biolase Inc.	243,958	505
*, ^Capricor Therapeutics Inc.	478,917	503
*, ^Gemphire Therapeutics Inc.	239,413	493
* Pro-Dex Inc.	44,614	464
*, ^GTx Inc.	286,241	449
*, ^Novus Therapeutics Inc.	95,466	446
*, ^Akers Biosciences Inc.	1,560,400	443
*, ^Edge Therapeutics Inc.	532,519	437
Diversicare Healthcare Services Inc.	66,377	428
*, ^Wright Medical Group Inc. CVR	288,011	416
*, ^Regulus Therapeutics Inc.	2,078,501	411
*, ^Aethlon Medical Inc.	329,592	389
*, ^aTyr Pharma Inc.	473,723	385
*, ^Neuralstem Inc.	341,528	365
*, ^Cyclacel Pharmaceuticals Inc.	262,933	360
* Histogenics Corp.	630,548	344
* Vaccinex Inc.	49,311	341
* Soligenix Inc.	173,900	327
* Cocrystal Pharma Inc.	128,666	322
*, ^Cleveland BioLabs Inc.	155,269	312
*, ^Biomerica Inc.	87,053	312
* Cancer Genetics Inc.	298,232	310
* Oncobiologics Inc.	301,459	295
* Five Star Senior Living Inc.	323,637	278
* Agile Therapeutics Inc.	754,951	277
* Arsanis Inc.	167,445	271
* NanoViricides Inc.	752,491	271
*, ^Myomo Inc.	138,954	270
*, ^Pernix Therapeutics Holdings Inc.	276,171	266
*, ^Aradigm Corp.	229,443	262
*, ^Diffusion Pharmaceuticals Inc.	599,588	259
*, ^Avenue Therapeutics Inc.	83,998	239
* Proteon Therapeutics Inc.	118,019	230
*, ^Synthetic Biologics Inc.	86,703	225
*, ^Ohr Pharmaceutical Inc.	1,202,617	222
*, ^Microbot Medical Inc.	30,031	222
*, ^Vital Therapies Inc.	753,643	208
*, ^SELLAS Life Sciences Group Inc.	160,353	196
* Aileron Therapeutics Inc.	63,175	174

* PAVmed Inc.	130,187	169
* Eyenovia Inc.	38,852	156
^ Vaxart Inc.	52,703	150
* Bioanalytical Systems Inc.	92,933	150

* Hancock Jaffe Laboratories Inc.	52,720	141
*, ^ Co-Diagnostics Inc.	48,897	129
* Retractable Technologies Inc.	161,528	116
*, ^ Pain Therapeutics Inc.	109,368	110
*, ^ ContraVir Pharmaceuticals Inc.	189,269	106
* RA Medical Systems Inc.	5,714	104
* Soleno Therapeutics Inc.	44,553	96
*, ^ Fibrocell Science Inc.	39,115	92
* Dynatronics Corp.	27,747	79
ProPhase Labs Inc.	21,917	66
*, ^ Aytu BioScience Inc.	23,505	65
*, ^ Titan Pharmaceuticals Inc.	311,809	65
*, ^ Pulmatrix Inc.	171,620	64
*, ^ Sonoma Pharmaceuticals Inc.	38,184	56
*, ^ iBio Inc.	62,933	53
* Milestone Scientific Inc.	68,899	51
*, ^ Tonix Pharmaceuticals Holding Corp.	85,926	51
* Flex Pharma Inc.	100,313	47
* AmpliPhi Biosciences Corp.	45,309	46
* Citius Pharmaceuticals Inc.	22,052	38
*, ^ Achieve Life Sciences Inc.	11,035	35
*, ^ Genprex Inc.	14,698	33
*, ^ Bio-Path Holdings Inc.	55,033	32
*, ^ AquaBounty Technologies Inc.	8,850	28
* NanoVibronix Inc.	5,737	26
*, ^ Hemispherx Biopharma Inc.	101,255	23
* NovaBay Pharmaceuticals Inc.	11,471	22
^ Altimune Inc.	4,246	19
* American Shared Hospital Services	4,591	16
*, ^ Biocept Inc.	4,527	12
*, ^ Apricus Biosciences Inc.	36,195	11
*, ^ Cesca Therapeutics Inc.	21,072	7
*, ^ Dare Bioscience Inc.	3,904	4
*, ^ Egalet Corp.	18,973	2
*, ^ Trovogene Inc.	1,177	1
* Galena Biopharma Inc Warrants Exp. 03/18/2020	157,500	—
* Sunesis Pharmaceuticals Inc. Warrants Exp. 10/27/2018	12,500	—
	102,828,542	

Industrials (13.3%)

Boeing Co.	13,880,525	5,162,167
Honeywell International Inc.	18,908,208	3,146,326
3M Co.	14,920,884	3,143,979
Union Pacific Corp.	18,822,685	3,064,898
Accenture plc Class A	16,319,536	2,777,585
United Technologies Corp.	19,305,273	2,699,070
* PayPal Holdings Inc.	28,608,603	2,512,980
General Electric Co.	220,684,722	2,491,531
Caterpillar Inc.	15,110,254	2,304,163
Lockheed Martin Corp.	6,159,729	2,131,020
United Parcel Service Inc. Class B	17,558,269	2,049,928
Danaher Corp.	15,961,977	1,734,428
Automatic Data Processing Inc.	10,607,951	1,598,194
CSX Corp.	20,771,725	1,538,146

Raytheon Co.	7,266,907	1,501,779
FedEx Corp.	6,060,498	1,459,307
Northrop Grumman Corp.	4,425,275	1,404,450
General Dynamics Corp.	6,403,817	1,310,989

Norfolk Southern Corp.	7,137,114	1,288,249
Deere & Co.	8,215,665	1,235,061
Emerson Electric Co.	16,002,323	1,225,458
Illinois Tool Works Inc.	7,678,895	1,083,646
Waste Management Inc.	10,980,824	992,227
Sherwin-Williams Co.	2,137,944	973,213
Eaton Corp. plc	11,036,362	957,184
Fidelity National Information Services Inc.	8,407,477	917,004
* Fiserv Inc.	10,359,303	853,399
Johnson Controls International plc	23,493,502	822,273
TE Connectivity Ltd.	8,875,324	780,407
Roper Technologies Inc.	2,621,708	776,576
* Worldpay Inc. Class A	7,622,303	771,911
Amphenol Corp. Class A	7,664,899	720,654
* Square Inc.	7,273,325	720,132
^ Fortive Corp.	7,957,617	671,384
Ingersoll-Rand plc	6,249,862	639,361
Parker-Hannifin Corp.	3,367,815	619,442
PACCAR Inc.	8,918,254	608,136
Paychex Inc.	8,209,761	604,649
Rockwell Automation Inc.	3,139,710	588,758
Rockwell Collins Inc.	4,165,434	585,119
Cummins Inc.	3,947,404	576,597
Agilent Technologies Inc.	8,168,554	576,210
Stanley Black & Decker Inc.	3,896,278	570,571
Waste Connections Inc.	6,670,524	532,108
Global Payments Inc.	4,044,901	515,320
* FleetCor Technologies Inc.	2,259,323	514,764
* Verisk Analytics Inc. Class A	3,991,744	481,205
Willis Towers Watson plc	3,350,650	472,241
AMETEK Inc.	5,893,974	466,331
* TransDigm Group Inc.	1,194,483	444,706
WW Grainger Inc.	1,209,038	432,122
Cintas Corp.	2,174,633	430,164
Fastenal Co.	7,296,602	423,349
L3 Technologies Inc.	1,984,543	421,954
Total System Services Inc.	4,176,953	412,432
Textron Inc.	5,731,146	409,605
Republic Services Inc. Class A	5,425,427	394,212
Broadridge Financial Solutions Inc.	2,987,407	394,188
* Mettler-Toledo International Inc.	644,370	392,408
* CoStar Group Inc.	924,315	388,989
Ball Corp.	8,794,183	386,856
Vulcan Materials Co.	3,355,117	373,089
* Waters Corp.	1,882,339	366,454
Xylem Inc.	4,566,308	364,711
* XPO Logistics Inc.	3,193,319	364,581
WestRock Co.	6,499,521	347,334
CH Robinson Worldwide Inc.	3,532,936	345,945
* United Rentals Inc.	2,112,395	345,588
TransUnion	4,673,093	343,846
Dover Corp.	3,764,497	333,271
* First Data Corp. Class A	13,484,063	329,955

Expeditors International of Washington Inc.	4,440,182	326,487
* Keysight Technologies Inc.	4,758,833	315,415
Jack Henry & Associates Inc.	1,957,612	313,375
Old Dominion Freight Line Inc.	1,846,610	297,784

Kansas City Southern	2,597,905	294,291
IDEX Corp.	1,948,785	293,604
Martin Marietta Materials Inc.	1,593,893	290,009
Masco Corp.	7,888,961	288,736
Huntington Ingalls Industries Inc.	1,108,196	283,787
Alliance Data Systems Corp.	1,190,362	281,116
* Trimble Inc.	6,357,008	276,276
Jacobs Engineering Group Inc.	3,597,786	275,231
PerkinElmer Inc.	2,801,892	272,540
JB Hunt Transport Services Inc.	2,225,492	264,700
Snap-on Inc.	1,435,975	263,645
Packaging Corp. of America	2,390,518	262,216
Spirit AeroSystems Holdings Inc. Class A	2,718,811	249,233
Arconic Inc.	11,007,676	242,279
* Zebra Technologies Corp.	1,357,039	239,965
Cognex Corp.	4,170,016	232,770
Wabtec Corp.	2,200,866	230,827
* WEX Inc.	1,090,880	219,005
Allegion plc	2,407,668	218,062
*,^ Sensata Technologies Holding plc	4,346,934	215,391
Lennox International Inc.	985,933	215,328
FLIR Systems Inc.	3,478,847	213,845
* Teledyne Technologies Inc.	858,901	211,874
Robert Half International Inc.	2,980,409	209,761
Fluor Corp.	3,556,801	206,650
Graco Inc.	4,269,033	197,827
AO Smith Corp.	3,673,526	196,056
* HD Supply Holdings Inc.	4,470,883	191,309
Donaldson Co. Inc.	3,273,121	190,692
Carlisle Cos. Inc.	1,536,319	187,124
Hubbell Inc. Class B	1,388,798	185,502
Nordson Corp.	1,329,292	184,639
HEICO Corp. Class A	2,408,552	181,846
Flowserve Corp.	3,306,696	180,843
Pentair plc	4,027,375	174,587
Allison Transmission Holdings Inc.	3,331,726	173,283
Booz Allen Hamilton Holding Corp. Class A	3,480,881	172,756
AptarGroup Inc.	1,573,362	169,514
* Fair Isaac Corp.	721,698	164,944
Sealed Air Corp.	4,077,002	163,692
* Arrow Electronics Inc.	2,212,870	163,133
* Crown Holdings Inc.	3,393,806	162,903
Acuity Brands Inc.	1,025,224	161,165
* Berry Global Group Inc.	3,326,119	160,951
BWX Technologies Inc.	2,514,239	157,241
Toro Co.	2,563,071	153,707
National Instruments Corp.	3,163,497	152,892
Owens Corning	2,810,382	152,519
Hexcel Corp.	2,259,818	151,521
Xerox Corp.	5,508,501	148,619
Lincoln Electric Holdings Inc.	1,577,506	147,402
Watsco Inc.	809,224	144,123
ManpowerGroup Inc.	1,662,613	142,918

* Genesee & Wyoming Inc. Class A	1,539,082	140,041
Sonoco Products Co.	2,509,080	139,254
* IPG Photonics Corp.	887,658	138,537
Trinity Industries Inc.	3,775,765	138,344

Curtiss-Wright Corp.	1,004,610	138,054
ITT Inc.	2,224,641	136,282
Avnet Inc.	3,008,874	134,707
Oshkosh Corp.	1,869,471	133,181
* AECOM	4,069,638	132,914
Landstar System Inc.	1,058,585	129,147
MDU Resources Group Inc.	5,004,874	128,575
* Stericycle Inc.	2,169,670	127,316
* Quanta Services Inc.	3,813,099	127,281
^ Universal Display Corp.	1,073,542	126,571
Crane Co.	1,282,587	126,142
* Euronet Worldwide Inc.	1,241,046	124,378
Littelfuse Inc.	616,830	122,064
* Trex Co. Inc.	1,490,584	114,745
Genpact Ltd.	3,739,225	114,458
* Conduent Inc.	5,065,734	114,080
Air Lease Corp. Class A	2,484,486	113,988
Woodward Inc.	1,405,983	113,688
Insperty Inc.	963,192	113,609
* Kirby Corp.	1,359,352	111,807
Bemis Co. Inc.	2,287,234	111,160
EMCOR Group Inc.	1,476,130	110,872
Knight-Swift Transportation Holdings Inc.	3,209,907	110,678
nVent Electric plc	4,059,363	110,252
Graphic Packaging Holding Co.	7,828,134	109,672
* Coherent Inc.	621,384	106,996
MAXIMUS Inc.	1,640,370	106,722
* Proto Labs Inc.	654,640	105,888
Jabil Inc.	3,906,912	105,799
AGCO Corp.	1,712,467	104,101
* CoreLogic Inc.	2,094,247	103,477
MSC Industrial Direct Co. Inc. Class A	1,147,694	101,123
* ASGN Inc.	1,258,281	99,316
Eagle Materials Inc.	1,163,736	99,197
Ryder System Inc.	1,342,093	98,067
Louisiana-Pacific Corp.	3,678,021	97,431
Tetra Tech Inc.	1,424,843	97,317
John Bean Technologies Corp.	805,922	96,147
* Axon Enterprise Inc.	1,404,503	96,110
* Allegheny Technologies Inc.	3,188,131	94,209
* Clean Harbors Inc.	1,313,724	94,036
MSA Safety Inc.	883,193	94,007
EnerSys	1,076,090	93,760
* USG Corp.	2,131,616	92,320
Regal Beloit Corp.	1,117,687	92,153
Kennametal Inc.	2,071,569	90,238
Barnes Group Inc.	1,262,445	89,671
Timken Co.	1,778,861	88,676
* RBC Bearings Inc.	589,631	88,657
* Generac Holdings Inc.	1,563,890	88,219
Brink's Co.	1,226,015	85,515
Macquarie Infrastructure Corp.	1,849,708	85,327
GATX Corp.	956,313	82,807

* Rexnord Corp.	2,633,564	81,114
* KLX Inc.	1,289,470	80,953
* Armstrong World Industries Inc.	1,144,512	79,658
* Gardner Denver Holdings Inc.	2,770,866	78,526

Simpson Manufacturing Co. Inc.	1,065,692	77,220
Applied Industrial Technologies Inc.	983,371	76,949
* Owens-Illinois Inc.	4,093,736	76,921
Valmont Industries Inc.	554,843	76,846
* SiteOne Landscape Supply Inc.	1,018,161	76,708
KBR Inc.	3,586,803	75,789
*,^ Cimpres NV	545,823	74,565
Belden Inc.	1,035,158	73,921
* WESCO International Inc.	1,201,113	73,808
* MasTec Inc.	1,649,435	73,647
* Colfax Corp.	1,987,397	71,666
Terex Corp.	1,789,721	71,428
* FTI Consulting Inc.	959,350	70,215
Deluxe Corp.	1,217,206	69,308
Exponent Inc.	1,291,907	69,246
* Esterline Technologies Corp.	758,006	68,941
* II-VI Inc.	1,443,344	68,270
Vishay Intertechnology Inc.	3,351,281	68,199
* Rogers Corp.	462,717	68,167
UniFirst Corp.	391,027	67,902
Moog Inc. Class A	785,233	67,506
* Integer Holdings Corp.	807,673	66,996
Korn/Ferry International	1,358,448	66,890
* AMN Healthcare Services Inc.	1,210,707	66,226
* Mercury Systems Inc.	1,175,748	65,042
* Paylocity Holding Corp.	795,285	63,877
* Dycom Industries Inc.	751,822	63,604
* Beacon Roofing Supply Inc.	1,715,561	62,086
* Aerovironment Inc.	543,034	60,912
* TriNet Group Inc.	1,076,403	60,623
Watts Water Technologies Inc. Class A	711,599	59,063
* Harsco Corp.	2,050,886	58,553
* Aerojet Rocketdyne Holdings Inc.	1,720,046	58,464
Albany International Corp.	733,145	58,285
* Novanta Inc.	821,725	56,206
Convergys Corp.	2,308,221	54,797
Silgan Holdings Inc.	1,956,079	54,379
ABM Industries Inc.	1,684,186	54,315
* ExlService Holdings Inc.	808,950	53,552
* Itron Inc.	831,737	53,398
* SPX FLOW Inc.	1,026,540	53,380
Forward Air Corp.	742,804	53,259
Comfort Systems USA Inc.	937,358	52,867
Universal Forest Products Inc.	1,471,939	52,004
Brady Corp. Class A	1,177,523	51,517
* Summit Materials Inc. Class A	2,818,527	51,241
* TopBuild Corp.	898,273	51,040
Otter Tail Corp.	1,052,720	50,425
Granite Construction Inc.	1,091,951	49,902
* Plexus Corp.	851,112	49,799
* Anixter International Inc.	702,258	49,369
* Saia Inc.	644,379	49,263
Mobile Mini Inc.	1,120,814	49,148

Greenbrier Cos. Inc.	814,030	48,923
Covanta Holding Corp.	2,998,599	48,727
Maxar Technologies Ltd.	1,473,457	48,727
* Navistar International Corp.	1,261,869	48,582

* Advanced Disposal Services Inc.	1,778,239	48,155
HEICO Corp.	504,351	46,708
World Fuel Services Corp.	1,686,601	46,685
Franklin Electric Co. Inc.	987,431	46,656
* Masonite International Corp.	727,340	46,622
*,^ Evolent Health Inc. Class A	1,641,398	46,616
Mueller Water Products Inc. Class A	4,044,661	46,554
Kaman Corp.	693,389	46,305
* Sanmina Corp.	1,670,717	46,112
Cubic Corp.	630,566	46,063
Triton International Ltd.	1,335,275	44,425
Schneider National Inc. Class B	1,759,119	43,943
* JELD-WEN Holding Inc.	1,758,635	43,368
Actuant Corp. Class A	1,545,485	43,119
* Builders FirstSource Inc.	2,888,641	42,405
Matson Inc.	1,068,207	42,344
Greif Inc. Class A	779,798	41,844
* Fabrinet	893,289	41,324
ESCO Technologies Inc.	605,385	41,196
ManTech International Corp. Class A	650,632	41,185
Mueller Industries Inc.	1,419,377	41,134
Raven Industries Inc.	897,367	41,055
US Ecology Inc.	542,879	40,037
AAR Corp.	832,695	39,878
Federal Signal Corp.	1,479,641	39,625
Werner Enterprises Inc.	1,100,907	38,917
EnPro Industries Inc.	531,950	38,795
Sun Hydraulics Corp.	705,363	38,640
* Knowles Corp.	2,304,683	38,304
* Imperva Inc.	819,380	38,060
* Atlas Air Worldwide Holdings Inc.	594,465	37,897
AAON Inc.	991,839	37,492
Rush Enterprises Inc. Class A	951,755	37,413
* TTM Technologies Inc.	2,320,843	36,925
* Hub Group Inc. Class A	805,113	36,713
Badger Meter Inc.	689,324	36,500
Boise Cascade Co.	987,778	36,350
* Gibraltar Industries Inc.	795,838	36,290
* MINDBODY Inc. Class A	887,052	36,059
* Milacron Holdings Corp.	1,757,987	35,599
EVERTEC Inc.	1,468,007	35,379
* Continental Building Products Inc.	933,171	35,041
* TriMas Corp.	1,131,572	34,400
* SPX Corp.	1,027,550	34,228
* Patrick Industries Inc.	572,818	33,911
*,^ Kratos Defense & Security Solutions Inc.	2,292,350	33,881
ICF International Inc.	441,248	33,292
Standex International Corp.	317,046	33,052
* OSI Systems Inc.	431,948	32,962
Methode Electronics Inc.	907,331	32,845
Tennant Co.	429,010	32,583
AZZ Inc.	643,403	32,492
McGrath RentCorp	578,925	31,534

* , ^ Ambarella Inc.	807,497	31,234
* Atkore International Group Inc.	1,169,866	31,037
ArcBest Corp.	636,206	30,888
* Air Transport Services Group Inc.	1,434,336	30,795

* CBIZ Inc.	1,290,127	30,576
H&E Equipment Services Inc.	805,226	30,421
Aircastle Ltd.	1,385,766	30,362
* Cardtronics plc Class A	958,076	30,314
* Sykes Enterprises Inc.	994,191	30,313
^ Altra Industrial Motion Corp.	733,634	30,299
* BMC Stock Holdings Inc.	1,621,498	30,241
* PGT Innovations Inc.	1,396,421	30,163
* Casella Waste Systems Inc. Class A	970,459	30,142
Kadant Inc.	278,434	30,029
Apogee Enterprises Inc.	725,282	29,969
Benchmark Electronics Inc.	1,258,284	29,444
Advanced Drainage Systems Inc.	918,974	28,396
Triumph Group Inc.	1,205,891	28,097
^ ADT Inc.	2,893,868	27,173
* Huron Consulting Group Inc.	546,758	27,010
* TrueBlue Inc.	1,025,472	26,714
Lindsay Corp.	266,277	26,692
CTS Corp.	775,667	26,605
* FARO Technologies Inc.	412,463	26,542
Navigant Consulting Inc.	1,132,087	26,106
GrafTech International Ltd.	1,335,961	26,065
Astec Industries Inc.	515,718	25,997
Primoris Services Corp.	1,046,782	25,981
Wabash National Corp.	1,420,648	25,898
Encore Wire Corp.	487,246	24,411
*,^ MACOM Technology Solutions Holdings Inc.	1,159,073	23,877
* KEMET Corp.	1,283,097	23,801
CIRCOR International Inc.	499,964	23,748
MTS Systems Corp.	432,970	23,705
AVX Corp.	1,302,266	23,506
Heartland Express Inc.	1,191,049	23,499
Douglas Dynamics Inc.	532,862	23,393
* Control4 Corp.	651,561	22,368
Kforce Inc.	588,719	22,136
Multi-Color Corp.	355,371	22,122
* NV5 Global Inc.	251,850	21,835
* Gates Industrial Corp. plc	1,103,899	21,526
* Installed Building Products Inc.	550,747	21,479
Manitowoc Co. Inc.	888,680	21,319
Alamo Group Inc.	229,735	21,046
* Thermon Group Holdings Inc.	814,494	20,998
* Vicor Corp.	451,816	20,784
* SEACOR Holdings Inc.	416,117	20,560
* Echo Global Logistics Inc.	652,261	20,187
Myers Industries Inc.	868,243	20,187
* Pluralsight Inc. Class A	628,591	20,115
Marten Transport Ltd.	948,208	19,960
* Tutor Perini Corp.	1,052,195	19,781
* GMS Inc.	845,644	19,619
* Aegion Corp. Class A	766,541	19,455
Briggs & Stratton Corp.	1,003,686	19,301
Global Brass & Copper Holdings Inc.	521,960	19,260

* GreenSky Inc. Class A	1,056,023	19,008
Columbus McKinnon Corp.	479,564	18,962
Gorman-Rupp Co.	505,889	18,465
*,^US Concrete Inc.	402,638	18,461

Cass Information Systems Inc.	279,408	18,195
Kelly Services Inc. Class A	743,534	17,867
* Astronics Corp.	407,954	17,746
* Lydall Inc.	405,445	17,475
*,^ Inovalon Holdings Inc. Class A	1,718,388	17,270
Argan Inc.	388,590	16,709
Griffon Corp.	1,033,469	16,691
* NCI Building Systems Inc.	1,100,485	16,672
* Engility Holdings Inc.	461,605	16,613
*,^ Team Inc.	722,665	16,260
Quad/Graphics Inc.	774,939	16,150
* DXP Enterprises Inc.	399,798	16,020
Insteel Industries Inc.	445,526	15,985
NN Inc.	1,021,042	15,928
Quanex Building Products Corp.	861,543	15,680
* Wesco Aircraft Holdings Inc.	1,391,866	15,658
* Everi Holdings Inc.	1,671,245	15,325
Heidrick & Struggles International Inc.	443,907	15,026
* Donnelley Financial Solutions Inc.	833,213	14,931
Hyster-Yale Materials Handling Inc.	242,476	14,920
Mesa Laboratories Inc.	79,035	14,670
DMC Global Inc.	348,009	14,199
* PHH Corp.	1,282,881	14,099
* Electro Scientific Industries Inc.	797,192	13,911
* Evo Payments Inc. Class A	555,758	13,283
* MYR Group Inc.	389,515	12,714
NVE Corp.	119,551	12,658
* Ducommun Inc.	303,154	12,381
* Veeco Instruments Inc.	1,201,071	12,311
Ennis Inc.	601,996	12,311
* Kimball Electronics Inc.	623,145	12,245
Resources Connection Inc.	710,184	11,789
^ REV Group Inc.	742,075	11,651
Spartan Motors Inc.	785,271	11,583
B. Riley Financial Inc.	508,674	11,521
Barrett Business Services Inc.	172,241	11,502
Park Electrochemical Corp.	587,290	11,446
* IntriCon Corp.	203,203	11,420
National Research Corp.	289,778	11,185
Essendant Inc.	851,883	10,921
* Armstrong Flooring Inc.	599,969	10,859
Allied Motion Technologies Inc.	199,138	10,839
* International Seaways Inc.	541,046	10,832
* Landec Corp.	719,371	10,359
* CAI International Inc.	440,491	10,074
* Sterling Construction Co. Inc.	698,448	10,002
* Blue Bird Corp.	406,537	9,960
* UFP Technologies Inc.	267,442	9,828
* Great Lakes Dredge & Dock Corp.	1,574,589	9,762
CRA International Inc.	192,882	9,687
* Vishay Precision Group Inc.	256,380	9,589
* Eagle Bulk Shipping Inc.	1,697,121	9,538
*,^ ShotSpotter Inc.	154,978	9,499

* InnerWorkings Inc.	1,196,910	9,480
* Cross Country Healthcare Inc.	1,085,134	9,473
Daktronics Inc.	1,179,068	9,244
*,^ CryoPort Inc.	710,749	9,105

* Mistras Group Inc.	419,704	9,095
LSC Communications Inc.	821,723	9,088
TTEC Holdings Inc.	350,134	9,068
Powell Industries Inc.	247,218	8,964
American Railcar Industries Inc.	190,158	8,766
* Nuvectra Corp.	397,901	8,746
* Covenant Transportation Group Inc. Class A	300,605	8,736
RR Donnelley & Sons Co.	1,612,038	8,705
Hurco Cos. Inc.	188,105	8,484
* Willdan Group Inc.	245,557	8,339
Graham Corp.	291,809	8,220
* YRC Worldwide Inc.	915,152	8,218
*,^ Energy Recovery Inc.	891,897	7,982
* Heritage-Crystal Clean Inc.	371,983	7,942
Park-Ohio Holdings Corp.	206,719	7,928
Miller Industries Inc.	293,988	7,908
* Twin Disc Inc.	336,978	7,764
* Commercial Vehicle Group Inc.	795,219	7,284
BG Staffing Inc.	267,691	7,281
* Daseke Inc.	896,462	7,190
* Franklin Covey Co.	302,813	7,162
VSE Corp.	214,182	7,096
* BlueLinx Holdings Inc.	221,621	6,979
Bel Fuse Inc. Class B	261,271	6,924
Universal Logistics Holdings Inc.	186,998	6,882
* Era Group Inc.	555,455	6,860
* Information Services Group Inc.	1,400,227	6,693
* US Xpress Enterprises Inc. Class A	471,475	6,506
Omega Flex Inc.	91,330	6,499
Advanced Emissions Solutions Inc.	525,437	6,284
* Overseas Shipholding Group Inc. Class A	1,986,728	6,258
* GP Strategies Corp.	361,243	6,087
*,^ Cardlytics Inc.	241,983	6,059
*,^ Energous Corp.	588,673	5,957
* Radiant Logistics Inc.	995,467	5,883
* Orion Group Holdings Inc.	772,259	5,831
* FreightCar America Inc.	360,403	5,792
* ServiceSource International Inc.	2,028,394	5,781
* Napco Security Technologies Inc.	382,489	5,718
* PRGX Global Inc.	650,152	5,656
* CECO Environmental Corp.	711,304	5,605
* LB Foster Co. Class A	253,064	5,200
* PAM Transportation Services Inc.	77,728	5,059
* Xerium Technologies Inc.	367,433	4,946
*,^ Turtle Beach Corp.	241,074	4,807
* Astronics Corp. Class B	111,320	4,793
* Foundation Building Materials Inc.	381,771	4,761
*,^ Horizon Global Corp.	666,284	4,751
* Northwest Pipe Co.	238,339	4,707
*,^ Asure Software Inc.	376,602	4,677
* USA Truck Inc.	230,528	4,664
^ EnviroStar Inc.	116,891	4,553
* Manitex International Inc.	429,328	4,521

* Willis Lease Finance Corp.	128,680	4,441
Eastern Co.	155,340	4,412
* General Finance Corp.	267,347	4,264
* Sparton Corp.	290,526	4,192

* ^ Maxwell Technologies Inc.	1,198,107	4,181
* ^ CyberOptics Corp.	205,369	4,148
* IES Holdings Inc.	209,645	4,088
* ^ Babcock & Wilcox Enterprises Inc.	3,966,262	4,085
* Acacia Research Corp.	1,275,244	4,081
* Iteris Inc.	752,279	4,047
* Intevac Inc.	755,469	3,928
* PFSweb Inc.	530,215	3,924
* Lawson Products Inc.	113,222	3,838
* Transcat Inc.	164,525	3,759
United States Lime & Minerals Inc.	47,159	3,723
* ^ Forterra Inc.	471,505	3,517
* Gencor Industries Inc.	286,224	3,449
Crawford & Co. Class A	367,479	3,307
NACCO Industries Inc. Class A	100,744	3,299
Crawford & Co. Class B	350,182	3,225
LSI Industries Inc.	696,771	3,205
* Construction Partners Inc. Class A	248,996	3,013
Richardson Electronics Ltd.	339,072	2,974
* Houston Wire & Cable Co.	383,962	2,957
* ARC Document Solutions Inc.	1,023,488	2,907
* ^ ExOne Co.	289,003	2,740
^ Global Water Resources Inc.	256,999	2,722
* Ultralife Corp.	323,299	2,635
* Goldfield Corp.	596,442	2,535
* DHI Group Inc.	1,163,420	2,443
* Aspen Aerogels Inc.	507,317	2,318
* ^ MicroVision Inc.	1,903,829	2,304
* ^ Huttig Building Products Inc.	545,171	2,301
* StarTek Inc.	335,752	2,223
* Arotech Corp.	642,177	2,183
* Luna Innovations Inc.	659,902	2,131
* ^ Aqua Metals Inc.	781,034	2,015
* Frequency Electronics Inc.	191,069	1,981
* Perceptron Inc.	198,387	1,934
Steel Connect Inc.	816,717	1,740
* Patriot Transportation Holding Inc.	80,602	1,540
* CUI Global Inc.	652,431	1,455
* ^ UQM Technologies Inc.	1,106,925	1,450
* ^ Odyssey Marine Exploration Inc.	161,848	1,311
* Hill International Inc.	318,883	1,307
* ^ Hudson Technologies Inc.	998,166	1,278
* CPI Aerostructures Inc.	151,539	1,265
* ^ Capstone Turbine Corp.	1,260,944	1,261
* Perma-Pipe International Holdings Inc.	136,141	1,239
* ^ Revolution Lighting Technologies Inc.	424,355	1,205
* Sharps Compliance Corp.	345,073	1,191
RF Industries Ltd.	157,781	1,120
Espey Manufacturing & Electronics Corp.	36,513	1,091
* ASV Holdings Inc.	215,094	1,065
* Limbach Holdings Inc.	91,797	1,035
* IEC Electronics Corp.	194,568	1,025
* ^ Lightbridge Corp.	1,092,208	1,006

* Hudson Global Inc.	612,530	974
*,^LightPath Technologies Inc. Class A	478,564	964
* Ballantyne Strong Inc.	237,050	948
* Lincoln Educational Services Corp.	414,974	938

* Universal Technical Institute Inc.	328,824	875
* Vertex Energy Inc.	481,265	823
*,^eMagin Corp.	545,071	818
* Perma-Fix Environmental Services	193,064	811
* Taylor Devices Inc.	67,427	771
*,^Applied DNA Sciences Inc.	516,369	769
*,^ClearSign Combustion Corp.	469,860	752
* ALJ Regional Holdings Inc.	433,960	742
* Volt Information Sciences Inc.	188,183	725
*,^Medical Transcription Billing Corp.	138,038	718
*,^Workhorse Group Inc.	663,553	710
Issuer Direct Corp.	45,828	701
* Roadrunner Transportation Systems Inc.	838,562	701
* Air T Inc.	19,676	647
Greif Inc. Class B	11,156	643
* Wireless Telecom Group Inc.	316,572	576
* Innovative Solutions & Support Inc.	211,940	538
AMCON Distributing Co.	6,102	531
* Tecogen Inc.	160,095	504
* Broadwind Energy Inc.	226,965	495
* SigmaTron International Inc.	84,764	487
*,^DPW Holdings Inc.	1,072,879	449
* Image Sensing Systems Inc.	74,588	448
* Energy Focus Inc.	215,166	441
* Air Industries Group	280,926	390
*,^Research Frontiers Inc.	248,137	390
*,^Orion Energy Systems Inc.	391,222	376
Chicago Rivet & Machine Co.	11,328	368
*,^Black Box Corp.	322,831	333
*,^Synthesis Energy Systems Inc.	137,912	331
* AMREP Corp.	41,838	306
* DLH Holdings Corp.	52,984	305
Ecology and Environment Inc.	21,480	287
Rush Enterprises Inc. Class B	7,149	285
*,^Digital Ally Inc.	99,249	283
*,^Polar Power Inc.	54,712	280
* Fuel Tech Inc.	177,278	230
Bel Fuse Inc. Class A	10,580	224
* Rubicon Technology Inc.	24,849	223
* ENGlobal Corp.	210,413	215
*,^Payment Data Systems Inc.	112,111	206
*,^GEE Group Inc.	81,570	204
* Pioneer Power Solutions Inc.	41,047	201
* Sypris Solutions Inc.	127,117	173
* Cemtrex Inc.	120,430	172
* Coda Octopus Group Inc.	27,130	164
*,^EnSync Inc.	619,994	158
*,^Boxlight Corp. Class A	54,138	158
* Continental Materials Corp.	8,941	148
* Summit Wireless Technologies Inc.	31,241	134
* Industrial Services of America Inc.	55,088	124
* JetPay Corp.	56,499	107
* AeroCentury Corp.	6,716	104

* Quest Resource Holding Corp.	36,754	94
* SIFCO Industries Inc.	16,533	83
* Command Security Corp.	25,285	71
Servotronics Inc.	4,914	53

* ^ Professional Diversity Network Inc.	17,385	50
* SG Blocks Inc.	8,584	34
* American Electric Technologies Inc.	22,940	16
* Jewett-Cameron Trading Co. Ltd.	370	3
* § Patriot National Inc.	129,819	3
* Dorian LPG Ltd.	20	—

100,810,993

Oil & Gas (5.7%)

Exxon Mobil Corp.	107,579,214	9,146,385
Chevron Corp.	48,649,184	5,948,822
ConocoPhillips	29,667,391	2,296,256
Schlumberger Ltd.	35,143,392	2,140,935
EOG Resources Inc.	14,692,033	1,874,263
Occidental Petroleum Corp.	19,432,716	1,596,786
Valero Energy Corp.	10,905,235	1,240,470
Phillips 66	10,641,114	1,199,466
Marathon Petroleum Corp.	11,612,881	928,682
Anadarko Petroleum Corp.	13,065,446	880,742
Halliburton Co.	21,112,140	855,675
Kinder Morgan Inc.	47,517,751	842,490
Williams Cos. Inc.	30,665,451	833,794
* Concho Resources Inc.	5,082,926	776,417
Pioneer Natural Resources Co.	4,317,799	752,117
ONEOK Inc.	10,445,878	708,126
Andeavor	3,644,624	559,450
Hess Corp.	7,234,479	517,844
Marathon Oil Corp.	21,649,536	504,001
Devon Energy Corp.	12,375,000	494,257
Apache Corp.	9,696,544	462,234
National Oilwell Varco Inc.	9,670,858	416,621
* Cheniere Energy Inc.	5,668,159	393,880
Noble Energy Inc.	12,294,956	383,480
Baker Hughes a GE Co.	10,517,645	355,812
Diamondback Energy Inc.	2,502,448	338,306
Targa Resources Corp.	5,692,386	320,538
HollyFrontier Corp.	4,481,727	313,273
EQT Corp.	6,734,215	297,854
Cabot Oil & Gas Corp.	11,331,957	255,196
Cimarex Energy Co.	2,422,402	225,138
* WPX Energy Inc.	10,621,868	213,712
* Energen Corp.	2,472,276	213,036
* Parsley Energy Inc. Class A	6,734,026	196,970
OGE Energy Corp.	5,053,388	183,539
Helmerich & Payne Inc.	2,624,869	180,512
* Continental Resources Inc.	2,390,965	163,255
* ^ Transocean Ltd.	11,063,861	154,341
* Newfield Exploration Co.	5,079,919	146,454
PBF Energy Inc. Class A	2,892,977	144,388
Murphy Oil Corp.	4,194,121	139,832
Core Laboratories NV	1,126,824	130,520
* Whiting Petroleum Corp.	2,301,148	122,053
* Oasis Petroleum Inc.	8,034,298	113,926
* Antero Resources Corp.	6,049,401	107,135

Range Resources Corp.	6,295,214	106,956
* Centennial Resource Development Inc. Class A	4,675,707	102,164
*,^ Chesapeake Energy Corp.	21,897,532	98,320
Ensco plc Class A	11,153,771	94,138

Patterson-UTL Energy Inc.	5,380,324	92,057
* First Solar Inc.	1,855,100	89,824
SM Energy Co.	2,831,009	89,262
* Matador Resources Co.	2,645,658	87,439
* Apergy Corp.	1,937,188	84,384
* PDC Energy Inc.	1,680,621	82,283
Delek US Holdings Inc.	1,910,960	81,082
McDermott International Inc.	4,346,117	80,099
* Southwestern Energy Co.	14,869,422	75,983
* Denbury Resources Inc.	11,467,278	71,097
* Oceaneering International Inc.	2,535,492	69,980
* Callon Petroleum Co.	5,739,571	68,817
* Weatherford International plc	25,055,916	67,902
* QEP Resources Inc.	5,988,462	67,789
* Rowan Cos. plc Class A	3,258,569	61,359
* Chart Industries Inc.	782,185	61,269
* SRC Energy Inc.	6,154,053	54,710
* California Resources Corp.	1,114,440	54,084
* Carrizo Oil & Gas Inc.	2,095,776	52,814
Nabors Industries Ltd.	8,442,362	52,005
CNX Resources Corp.	3,606,242	51,605
* Dril-Quip Inc.	979,465	51,177
* NOW Inc.	2,809,175	46,492
* Oil States International Inc.	1,398,402	46,427
* Noble Corp. plc	6,402,492	45,010
SemGroup Corp. Class A	2,029,396	44,748
* MRC Global Inc.	2,239,260	42,031
Archrock Inc.	3,220,812	39,294
* Gulfport Energy Corp.	3,738,355	38,916
* Superior Energy Services Inc.	3,951,222	38,485
* Cactus Inc. Class A	943,574	36,120
* Magnolia Oil & Gas Corp.	2,394,928	35,948
* Helix Energy Solutions Group Inc.	3,623,203	35,797
* ProPetro Holding Corp.	2,102,211	34,665
* Unit Corp.	1,289,494	33,604
* C&J Energy Services Inc.	1,592,255	33,119
* Extraction Oil & Gas Inc.	2,860,217	32,292
*,^Diamond Offshore Drilling Inc.	1,612,011	32,240
* Laredo Petroleum Inc.	3,834,220	31,326
* Renewable Energy Group Inc.	934,769	26,921
* Penn Virginia Corp.	322,389	25,965
* W&T Offshore Inc.	2,333,362	22,494
* Exterran Corp.	847,512	22,484
^ RPC Inc.	1,430,113	22,138
* Newpark Resources Inc.	2,110,632	21,845
*,^Tellurian Inc.	2,431,511	21,811
* Forum Energy Technologies Inc.	2,089,207	21,623
* Tidewater Inc.	643,691	20,077
*,^Jagged Peak Energy Inc.	1,426,458	19,728
* Northern Oil and Gas Inc.	4,892,255	19,569
^ CVR Energy Inc.	450,964	18,138
* WildHorse Resource Development Corp.	764,958	18,084
Green Plains Inc.	1,011,986	17,406

* , ^ Halcon Resources Corp.	3,809,180	17,027
^ Liberty Oilfield Services Inc. Class A	780,903	16,844
* Select Energy Services Inc. Class A	1,386,189	16,412
* KLX Energy Services Holdings Inc.	509,580	16,312

* Par Pacific Holdings Inc.	788,547	16,086
*,^ Resolute Energy Corp.	423,234	16,002
* Talos Energy Inc.	475,490	15,606
* Matrix Service Co.	623,803	15,377
* TPI Composites Inc.	535,099	15,277
*,^ Keane Group Inc.	1,182,653	14,629
* Ring Energy Inc.	1,443,759	14,308
* TETRA Technologies Inc.	3,140,665	14,164
* HighPoint Resources Corp.	2,836,688	13,843
* Bonanza Creek Energy Inc.	461,355	13,739
*,^ Solaris Oilfield Infrastructure Inc. Class A	648,467	12,250
*,^ SunPower Corp. Class A	1,611,340	11,763
* Nine Energy Service Inc.	374,659	11,457
* REX American Resources Corp.	145,927	11,025
* SEACOR Marine Holdings Inc.	482,583	10,921
*,^ Plug Power Inc.	5,668,352	10,883
*,^ Enphase Energy Inc.	2,155,310	10,453
* Abraxas Petroleum Corp.	4,429,365	10,320
Mammoth Energy Services Inc.	337,986	9,835
* Falcon Minerals Corp.	877,600	9,654
* FTS International Inc.	788,737	9,299
*,^ Alta Mesa Resources Inc.	2,208,878	9,233
* SandRidge Energy Inc.	835,573	9,083
* Trecora Resources	637,570	8,926
*,^ Covia Holdings Corp.	983,261	8,820
Evolution Petroleum Corp.	790,610	8,736
* Natural Gas Services Group Inc.	401,805	8,478
Panhandle Oil and Gas Inc. Class A	399,504	7,371
* Bristow Group Inc.	570,099	6,915
* Green Brick Partners Inc.	624,917	6,312
* Pioneer Energy Services Corp.	2,077,115	6,127
* Basic Energy Services Inc.	597,739	5,971
* Ameresco Inc. Class A	423,049	5,775
* Ultra Petroleum Corp.	5,150,124	5,768
*,^ Lillis Energy Inc.	1,174,186	5,754
Berry Petroleum Corp.	299,271	5,273
*,^ Hornbeck Offshore Services Inc.	885,310	5,206
* SilverBow Resources Inc.	192,225	5,127
* Midstates Petroleum Co. Inc.	566,744	5,050
* ION Geophysical Corp.	317,660	4,940
* Geospace Technologies Corp.	356,696	4,887
* CARBO Ceramics Inc.	673,219	4,881
* Gulfmark Offshore Inc.	130,194	4,856
*,^ Sanchez Energy Corp.	2,003,306	4,608
* NCS Multistage Holdings Inc.	265,265	4,380
* Independence Contract Drilling Inc.	856,141	4,229
* Earthstone Energy Inc. Class A	446,981	4,193
* VAALCO Energy Inc.	1,451,028	3,961
* Key Energy Services Inc.	330,988	3,786
* Dawson Geophysical Co.	567,164	3,511
* Goodrich Petroleum Corp.	247,976	3,482
* Contango Oil & Gas Co.	557,693	3,447
* Lonestar Resources US Inc. Class A	422,146	3,289

* ^EP Energy Corp. Class A	1,371,665	3,210
* ^American Superconductor Corp.	458,114	3,184
Gulf Island Fabrication Inc.	315,023	3,134
* PHI Inc. Non-Voting ORD	333,333	3,113

* Flotek Industries Inc.	1,276,348	3,063
*, ^ Comstock Resources Inc.	362,362	3,037
* Infrastructure and Energy Alternatives Inc.	288,422	3,028
*, ^ Approach Resources Inc.	1,329,536	2,965
*, ^ Smart Sand Inc.	680,822	2,798
*, ^ Eclipse Resources Corp.	2,257,381	2,686
* Pacific Ethanol Inc.	1,366,778	2,597
*, ^ FuelCell Energy Inc.	2,345,434	2,510
Adams Resources & Energy Inc.	52,702	2,238
* Isramco Inc.	17,203	2,100
*, ^ Rosehill Resources Inc. Class A	338,753	2,066
*, ^ Quintana Energy Services Inc.	272,314	1,999
*, ^ Zion Oil & Gas Inc.	1,308,653	1,675
* Ranger Energy Services Inc.	172,810	1,448
*, ^ Torchlight Energy Resources Inc.	793,893	762
^ Parker Drilling Co.	234,594	699
* Superior Drilling Products Inc.	205,274	655
*, ^ PHI Inc. ORD	68,197	621
*, ^ Jones Energy Inc. Class A	93,578	561
*, ^ Talos Energy Inc. Warrants Exp. 02/28/2021	116,107	526
* Mitcham Industries Inc.	105,095	436
*, ^ Enservco Corp.	525,883	415
*, ^ Ocean Power Technologies Inc.	500,965	345
*, ^ Eco-Stim Energy Solutions Inc.	883,289	248
* Aemetis Inc.	161,833	165
*, ^ Ideal Power Inc.	135,052	86
*, ^ Houston American Energy Corp.	382,849	84
* Tidewater Inc. Warrant A	8,839	36
* Tidewater Inc. Warrant C	9,555	36
*, ^ SAEExploration Holdings Inc.	1,505	15
*, ^ Yuma Energy Inc.	27,018	11
*, ^ Bonanza Creek Energy Inc. Warrants Exp. 04/28/2020	33,839	10
* Basic Energy Services Inc. Warrants Exp. 12/23/2023	4,640	2
* PetroQuest Energy Inc.	17,092	1
* Rex Energy Corp.	302	—
*, ^, § Harvest Natural Resources Inc.	51,829	—
		43,530,805

Other (0.0%)2

*, § Herbalife Ltd. CVR	234,057	2,270
*, § A Schulman Inc. CVR	659,182	1,259
*, ^, § Tobira Therapeutics CVR Exp. 12/31/2028	201,001	911
*, ^, § Ocera Therapeutics CVR	653,477	176
*, § NewStar Financial Inc	551,185	143
*, § Ambit Biosciences Corp. CVR	201,330	121
*, § Media General Inc. CVR	2,351,934	91
*, § Omthera Pharmaceuticals Inc. CVR	121,311	73
*, § Alexza Pharmaceuticals Inc. CVR	327,391	12
*, § Seventy Seven Energy Inc. Escrow Line	7,222	1
*, § Clinical Data CVR	216,285	—
*, § Adolor Corp. Rights Exp. 07/01/2019	592,629	—
*, ^, § Biosante Pharmaceutical Inc. CVR	253,823	—

* § Achieve Life Sciences Inc. CVR	228,587	—
* Kadmon Warrants Exp. 09/29/2022	169,257	—
* § NuPathe Inc. CVR	158,681	—
* Advaxis Inc. Warrants Exp. 09/11/2024	157,659	—
		5,057

Technology (20.1%)

Apple Inc.	110,521,153	24,949,045
Microsoft Corp.	195,032,694	22,305,889
* Facebook Inc. Class A	61,302,598	10,081,825
* Alphabet Inc. Class A	7,553,728	9,117,954
* Alphabet Inc. Class C	7,600,886	9,071,429
Cisco Systems Inc.	119,429,353	5,810,238
Intel Corp.	117,275,382	5,545,953
NVIDIA Corp.	14,673,435	4,123,529
Oracle Corp.	70,918,563	3,656,561
International Business Machines Corp.	23,211,618	3,509,829
* Adobe Systems Inc.	12,478,225	3,368,497
* salesforce.com Inc.	17,904,753	2,847,393
Broadcom Inc.	10,967,940	2,706,120
Texas Instruments Inc.	24,771,551	2,657,740
QUALCOMM Inc.	35,374,316	2,548,012
Intuit Inc.	6,186,016	1,406,700
* Micron Technology Inc.	29,462,801	1,332,602
Cognizant Technology Solutions Corp. Class A	14,784,199	1,140,601
HP Inc.	40,332,160	1,039,360
Applied Materials Inc.	25,036,065	967,644
* ServiceNow Inc.	4,507,768	881,855
Analog Devices Inc.	9,394,365	868,603
* Autodesk Inc.	5,562,919	868,427
Corning Inc.	20,677,036	729,899
*,^ Advanced Micro Devices Inc.	22,318,663	689,424
DXC Technology Co.	7,174,624	670,971
Hewlett Packard Enterprise Co.	37,701,204	614,907
* Red Hat Inc.	4,511,962	614,890
Lam Research Corp.	4,016,903	609,364
NetApp Inc.	6,623,904	568,927
* Workday Inc. Class A	3,711,848	541,856
Motorola Solutions Inc.	4,114,330	535,439
Xilinx Inc.	6,433,989	515,813
* Cerner Corp.	8,003,920	515,532
Harris Corp.	3,003,425	508,210
* Palo Alto Networks Inc.	2,236,168	503,719
* Twitter Inc.	17,330,842	493,236
* Dell Technologies Inc. Class V	5,060,428	491,469
Microchip Technology Inc.	5,967,031	470,858
* VeriSign Inc.	2,804,933	449,126
* Splunk Inc.	3,677,590	444,657
* IAC/InterActiveCorp	1,973,553	427,708
Skyworks Solutions Inc.	4,586,803	416,069
Western Digital Corp.	7,041,735	412,223
KLA-Tencor Corp.	3,956,717	402,438
Maxim Integrated Products Inc.	7,100,935	400,422
* ANSYS Inc.	2,127,627	397,185
* Synopsys Inc.	3,759,066	370,681
* Citrix Systems Inc.	3,257,972	362,156
* Arista Networks Inc.	1,329,191	353,379
CA Inc.	7,903,488	348,939
* Gartner Inc.	2,200,339	348,754

CDW Corp.	3,857,641	343,021
* Fortinet Inc.	3,638,846	335,756
* GoDaddy Inc. Class A	4,024,188	335,577
Symantec Corp.	15,749,968	335,159

* Veeva Systems Inc. Class A	3,058,515	332,981
* Cadence Design Systems Inc.	7,153,171	324,182
* F5 Networks Inc.	1,556,572	310,412
Seagate Technology plc	6,551,022	310,191
Marvell Technology Group Ltd.	15,652,425	302,092
* Akamai Technologies Inc.	4,109,011	300,574
* VMware Inc. Class A	1,911,969	298,382
SS&C Technologies Holdings Inc.	5,149,808	292,664
* PTC Inc.	2,738,550	290,807
Juniper Networks Inc.	8,874,639	265,973
Leidos Holdings Inc.	3,844,805	265,907
* Qorvo Inc.	3,214,547	247,167
* Ultimate Software Group Inc.	746,493	240,513
* Tyler Technologies Inc.	920,868	225,668
CDK Global Inc.	3,335,997	208,700
* Aspen Technology Inc.	1,816,186	206,882
* Guidewire Software Inc.	2,019,641	204,004
* ON Semiconductor Corp.	10,837,752	199,740
*,^ Paycom Software Inc.	1,274,643	198,092
* Tableau Software Inc. Class A	1,767,730	197,526
* Zendesk Inc.	2,547,473	180,871
Teradyne Inc.	4,806,645	177,750
* EPAM Systems Inc.	1,284,237	176,839
* Twilio Inc. Class A	1,853,128	159,888
* Integrated Device Technology Inc.	3,302,251	155,239
* RingCentral Inc. Class A	1,630,676	151,734
* CommScope Holding Co. Inc.	4,861,823	149,550
* Okta Inc.	2,111,940	148,596
* athenahealth Inc.	1,025,906	137,061
* Proofpoint Inc.	1,286,688	136,814
* Nutanix Inc.	3,162,359	135,096
* HubSpot Inc.	881,234	133,022
Cypress Semiconductor Corp.	9,041,382	131,010
* Nuance Communications Inc.	7,394,588	128,074
Monolithic Power Systems Inc.	1,000,050	125,536
Blackbaud Inc.	1,227,976	124,615
*,^ Snap Inc.	14,658,648	124,305
* RealPage Inc.	1,883,755	124,139
LogMeIn Inc.	1,322,461	117,831
* ARRIS International plc	4,472,946	116,252
* Teradata Corp.	3,055,288	115,215
* CACI International Inc. Class A	622,418	114,618
* Ciena Corp.	3,619,661	113,078
MKS Instruments Inc.	1,385,245	111,027
* Pure Storage Inc. Class A	4,154,257	107,803
* Medidata Solutions Inc.	1,427,874	104,677
Entegris Inc.	3,594,802	104,070
* 2U Inc.	1,379,799	103,747
* Coupa Software Inc.	1,302,759	103,048
* New Relic Inc.	1,075,921	101,384
* Silicon Laboratories Inc.	1,091,059	100,159
j2 Global Inc.	1,171,406	97,051
* Cree Inc.	2,553,953	96,718

* Manhattan Associates Inc.	1,720,054	93,915
* Semtech Corp.	1,686,429	93,765
* ^Lumentum Holdings Inc.	1,522,043	91,246
Perspecta Inc.	3,541,765	91,094

* ^ ViaSat Inc.	1,421,788	90,923
Science Applications International Corp.	1,067,878	86,071
* NCR Corp.	3,022,184	85,860
* Ellie Mae Inc.	866,361	82,105
* ACI Worldwide Inc.	2,904,490	81,732
* Verint Systems Inc.	1,626,300	81,478
* FireEye Inc.	4,649,181	79,036
* Box Inc.	3,220,722	77,007
* Cornerstone OnDemand Inc.	1,331,304	75,552
* Qualys Inc.	841,184	74,949
* ^ Match Group Inc.	1,271,654	73,641
* Bottomline Technologies DE Inc.	1,010,213	73,453
* CommVault Systems Inc.	1,030,344	72,124
InterDigital Inc.	878,444	70,276
* Tech Data Corp.	966,664	69,184
* Envestnet Inc.	1,101,148	67,115
Cabot Microelectronics Corp.	650,063	67,067
* Viavi Solutions Inc.	5,817,158	65,967
* Allscripts Healthcare Solutions Inc.	4,552,956	64,880
* Premier Inc. Class A	1,410,900	64,591
SYNNEX Corp.	761,067	64,462
Pegasystems Inc.	991,617	62,075
Brooks Automation Inc.	1,768,296	61,943
* Avaya Holdings Corp.	2,793,570	61,850
* Cirrus Logic Inc.	1,597,064	61,647
* Five9 Inc.	1,394,778	60,938
* ^ Dropbox Inc. Class A	2,255,019	60,502
Cogent Communications Holdings Inc.	1,052,684	58,740
* SailPoint Technologies Holding Inc.	1,705,898	58,035
* Finisar Corp.	2,943,322	56,070
* Q2 Holdings Inc.	910,180	55,111
* EchoStar Corp. Class A	1,169,548	54,232
* Blackline Inc.	925,194	52,246
* ^ 3D Systems Corp.	2,753,507	52,041
* Advanced Energy Industries Inc.	1,006,589	51,990
* Varonis Systems Inc.	698,850	51,191
Plantronics Inc.	835,491	50,380
* NetScout Systems Inc.	1,975,544	49,882
* Cloudera Inc.	2,816,891	49,718
* Insight Enterprises Inc.	912,414	49,352
* NETGEAR Inc.	756,324	47,535
* Alarm.com Holdings Inc.	823,163	47,250
^ Ubiquiti Networks Inc.	472,490	46,710
* Blucora Inc.	1,123,853	45,235
Power Integrations Inc.	714,800	45,175
* SPS Commerce Inc.	441,581	43,822
Ebix Inc.	550,664	43,585
* Alteryx Inc. Class A	722,901	41,357
* ^ MongoDB Inc.	501,683	40,912
Progress Software Corp.	1,156,024	40,796
* Synaptics Inc.	890,148	40,609
* ^ Inphi Corp.	1,037,289	39,396
* Everbridge Inc.	665,577	38,364

* Electronics For Imaging Inc.	1,123,977	38,305
TiVo Corp.	2,949,906	36,726
* Oclaro Inc.	4,099,332	36,648
* LivePerson Inc.	1,411,508	36,629

* Boingo Wireless Inc.	1,037,106	36,195
* Rapid7 Inc.	969,968	35,811
* Virtusa Corp.	665,445	35,741
* Apptio Inc. Class A	963,459	35,609
* Hortonworks Inc.	1,547,200	35,292
* Syntel Inc.	847,612	34,735
Pitney Bowes Inc.	4,832,000	34,211
CSG Systems International Inc.	842,015	33,798
* MicroStrategy Inc. Class A	239,515	33,681
* Tabula Rasa HealthCare Inc.	409,197	33,223
* Web.com Group Inc.	1,188,677	33,164
* Diodes Inc.	987,506	32,874
* Altair Engineering Inc. Class A	735,542	31,959
* Yext Inc.	1,344,884	31,874
*,^ DocuSign Inc. Class A	585,774	30,794
* ePlus Inc.	331,868	30,764
* Cision Ltd.	1,822,431	30,617
* MaxLinear Inc.	1,530,723	30,431
* Rambus Inc.	2,733,980	29,828
* Appfolio Inc.	375,619	29,449
*,^ Acacia Communications Inc.	706,014	29,208
*,^ Ceridian HCM Holding Inc.	687,354	28,889
* Infinera Corp.	3,791,743	27,680
* PROS Holdings Inc.	789,157	27,636
* SendGrid Inc.	742,064	27,301
* Carbonite Inc.	765,082	27,275
* NextGen Healthcare Inc.	1,346,141	27,031
* Instructure Inc.	754,250	26,700
* Vocera Communications Inc.	717,267	26,238
* Unisys Corp.	1,278,648	26,084
* ForeScout Technologies Inc.	683,353	25,803
* ScanSource Inc.	631,409	25,193
* FormFactor Inc.	1,819,361	25,016
* Workiva Inc.	632,243	24,974
*,^ TransEnterix Inc.	4,232,311	24,547
Shutterstock Inc.	439,552	23,991
* Lattice Semiconductor Corp.	2,978,871	23,831
NIC Inc.	1,575,061	23,311
* Nanometrics Inc.	617,655	23,174
* Cray Inc.	1,043,721	22,440
* Perficient Inc.	823,273	21,940
ADTRAN Inc.	1,227,360	21,663
* Pivotal Software Inc. Class A	1,086,196	21,268
*,^ Benefitfocus Inc.	518,045	20,955
Monotype Imaging Holdings Inc.	1,037,185	20,951
Comtech Telecommunications Corp.	556,831	20,196
* CalAmp Corp.	837,447	20,065
*,^ Appian Corp. Class A	592,626	19,616
* Amkor Technology Inc.	2,521,028	18,630
Xperi Corp.	1,251,550	18,586
* Rudolph Technologies Inc.	744,462	18,202
* Xcerra Corp.	1,269,659	18,118
* Photonics Inc.	1,705,174	16,796

Cohu Inc.	663,284	16,648
* Extreme Networks Inc.	2,930,060	16,057
* Axcelis Technologies Inc.	797,089	15,663
* CEVA Inc.	543,729	15,632

* OneSpan Inc.	792,990	15,106
* Endurance International Group Holdings Inc.	1,685,453	14,832
* Loral Space & Communications Inc.	322,042	14,621
Presidio Inc.	947,691	14,452
* Bandwidth Inc. Class A	267,930	14,353
* Upland Software Inc.	422,865	13,663
* Rosetta Stone Inc.	685,227	13,629
* Limelight Networks Inc.	2,647,443	13,290
*,^ Ichor Holdings Ltd.	649,904	13,271
*,^ Tenable Holdings Inc.	330,030	12,832
*,^ Zscaler Inc.	309,036	12,602
QAD Inc. Class A	216,867	12,286
Systemax Inc.	367,638	12,110
* Harmonic Inc.	2,173,682	11,955
* Digi International Inc.	881,867	11,861
PC Connection Inc.	301,675	11,732
*,^ Applied Optoelectronics Inc.	473,634	11,680
* Ultra Clean Holdings Inc.	926,636	11,629
Hackett Group Inc.	567,435	11,434
Forrester Research Inc.	247,375	11,355
^ Switch Inc.	1,047,231	11,310
* Casa Systems Inc.	757,167	11,168
* Calix Inc.	1,356,768	10,990
* Vectrus Inc.	352,024	10,980
* Quantenna Communications Inc.	588,752	10,862
Computer Programs & Systems Inc.	401,466	10,779
* USA Technologies Inc.	1,484,191	10,686
*,^ KeyW Holding Corp.	1,185,767	10,269
* Zix Corp.	1,801,940	10,001
* MobileIron Inc.	1,838,019	9,742
* Eventbrite Inc. Class A	254,172	9,651
* Digimarc Corp.	305,294	9,601
* Agilysys Inc.	579,217	9,441
* Meet Group Inc.	1,873,985	9,276
* Ribbon Communications Inc.	1,334,133	9,112
* Model N Inc.	568,900	9,017
* Brightcove Inc.	1,055,280	8,864
*,^ NeoPhotonics Corp.	1,061,110	8,807
^ Diebold Nixdorf Inc.	1,956,195	8,803
* DSP Group Inc.	732,055	8,711
*,^ Avalara Inc.	244,988	8,557
American Software Inc. Class A	696,258	8,446
* Alpha & Omega Semiconductor Ltd.	725,261	8,435
* ChannelAdvisor Corp.	670,059	8,342
* Immersion Corp.	785,266	8,300
*,^ Zuora Inc. Class A	352,852	8,154
*,^ Gogo Inc.	1,546,606	8,027
* Amber Road Inc.	825,532	7,942
* Mitek Systems Inc.	1,117,735	7,880
*,^ WideOpenWest Inc.	682,930	7,656
*,^ Impinj Inc.	306,605	7,610
* Ooma Inc.	457,689	7,598
* A10 Networks Inc.	1,209,549	7,354

* AXT Inc.	987,028	7,057
Simulations Plus Inc.	344,555	6,960
* RigNet Inc.	340,575	6,931
* PDF Solutions Inc.	765,468	6,912

* , ^ Internap Corp.	516,860	6,528
* , ^ VirnetX Holding Corp.	1,402,258	6,521
* Aquantia Corp.	509,527	6,517
* PAR Technology Corp.	273,740	6,083
* , ^ nLight Inc.	271,211	6,024
Preformed Line Products Co.	74,376	5,227
* KVH Industries Inc.	392,084	5,136
* Exela Technologies Inc.	711,591	5,074
* Telenav Inc.	981,721	4,958
ConvergeOne Holdings Inc.	507,350	4,723
* Castlight Health Inc. Class B	1,746,201	4,715
AstroNova Inc.	211,991	4,579
* Smartsheet Inc. Class A	145,821	4,558
* Kopin Corp.	1,873,051	4,533
* , ^ Adesto Technologies Corp.	716,531	4,263
* , ^ Inseego Corp.	1,067,530	4,110
* Domo Inc.	189,162	4,058
* Aerohive Networks Inc.	982,713	4,049
* I3 Verticals Inc. Class A	173,990	3,998
* Telaria Inc.	1,034,746	3,922
* Clearfield Inc.	285,154	3,835
* Pixelworks Inc.	836,128	3,771
* eGain Corp.	460,568	3,731
* , ^ Park City Group Inc.	361,761	3,654
* Datawatch Corp.	312,085	3,636
* , ^ Carbon Black Inc.	165,645	3,508
* SecureWorks Corp. Class A	236,021	3,458
* EMCORE Corp.	717,159	3,407
* , ^ Fusion Connect Inc.	1,174,168	3,018
TransAct Technologies Inc.	207,460	2,987
* Airgain Inc.	222,447	2,923
* ID Systems Inc.	417,726	2,903
* VOXX International Corp. Class A	542,829	2,823
* , ^ Veritone Inc.	261,370	2,726
* GSI Technology Inc.	388,560	2,681
* Finjan Holdings Inc.	605,101	2,608
* Identiv Inc.	416,451	2,482
TESSCO Technologies Inc.	159,219	2,428
* Quantum Corp.	1,002,746	2,407
* Key Tronic Corp.	303,492	2,322
* , ^ Everspin Technologies Inc.	302,111	2,320
* SharpSpring Inc.	159,677	2,239
* , ^ ACM Research Inc. Class A	193,846	2,146
* Computer Task Group Inc.	407,746	2,128
* , ^ QuickLogic Corp.	2,083,329	2,083
* , ^ Resonant Inc.	506,372	2,056
* , ^ Rimini Street Inc.	321,406	2,028
* LRAD Corp.	629,587	1,927
* Amtech Systems Inc.	356,945	1,906
PC-Tel Inc.	406,790	1,892
* inTEST Corp.	238,227	1,846
* Great Elm Capital Group Inc.	565,692	1,839
* Seachange International Inc.	1,020,257	1,826

* DASAN Zhong Solutions Inc.	126,771	1,799
QAD Inc. Class B	39,531	1,641
* Edgewater Technology Inc.	319,505	1,604
* Aware Inc.	432,908	1,558

* SVMK Inc.	96,092	1,540
GlobalSCAPE Inc.	378,890	1,519
* Support.com Inc.	478,652	1,388
* Aviat Networks Inc.	82,231	1,328
*,^ Atomera Inc.	221,735	1,326
*,^ RumbleON Inc. Class B	125,681	1,317
* Radisys Corp.	761,324	1,241
* Neurotrope Inc.	132,689	1,169
* Data I/O Corp.	219,273	1,147
* Majesco	147,316	1,112
RCM Technologies Inc.	257,809	1,101
* NetSol Technologies Inc.	166,583	1,099
* Synacor Inc.	684,596	1,095
Wayside Technology Group Inc.	83,158	1,073
*,^ CVD Equipment Corp.	173,894	1,069
* Icad Inc.	347,038	1,010
*,^ Smith Micro Software Inc.	399,004	1,005
* GSE Systems Inc.	275,429	992
* Innodata Inc.	643,214	946
*,^ Aehr Test Systems	423,242	940
*,^ SITO Mobile Ltd.	479,955	854
Network-1 Technologies Inc.	309,161	835
* BSQUARE Corp.	343,175	789
*,^ Xcel Brands Inc.	294,148	691
* Lantronix Inc.	164,876	671
*,^ NXT-ID Inc.	486,470	637
CSP Inc.	44,640	586
*,^ Red Violet Inc.	87,451	569
BK Technologies Inc.	131,368	532
* WidePoint Corp.	1,149,532	530
*,^ Intellicheck Inc.	196,842	494
* Westell Technologies Inc. Class A	183,100	487
* Intermolecular Inc.	386,671	452
* Intelligent Systems Corp.	38,562	408
Communications Systems Inc.	128,426	360
ClearOne Inc.	155,448	342
* Evolving Systems Inc.	140,367	330
* CynergisTek Inc.	85,543	329
* FTE Networks Inc.	27,425	320
* One Stop Systems Inc.	80,727	300
* Mastech Digital Inc.	31,230	299
* Optical Cable Corp.	48,791	298
*,^ Neonode Inc.	834,061	292
* Qumu Corp.	104,233	281
^ iPass Inc.	135,518	276
* Marin Software Inc.	72,462	232
* Streamline Health Solutions Inc.	184,670	218
* Trio-Tech International	46,648	213
*,^ Ominto Inc.	265,206	207
* Inuvo Inc.	315,731	196
* ARC Group Worldwide Inc.	117,147	193
*,^ Netlist Inc.	436,099	191
* Cinedigm Corp. Class A	138,637	161

* , ^ Sunworks Inc.	317,501	156
* Socket Mobile Inc.	64,296	148
* Determine Inc.	96,597	69
* ADDvantage Technologies Group Inc.	29,519	42

* BroadVision Inc.	20,868	39
* Qualstar Corp.	4,300	34
*,^xG Technology Inc.	53,482	23
* Sonic Foundry Inc.	13,524	22
SilverSun Technologies Inc.	2,301	8
Sigma Designs Inc.	33,890	5
*,^AMERI Holdings Inc.	1,700	2
* CMTSU Liquidation Inc.	113,650	—
^ Helios & Matheson Analytics Inc.	4,929	—
	151,814,876	

Telecommunications (1.8%)

AT&T Inc.	184,529,481	6,196,500
Verizon Communications Inc.	104,961,874	5,603,914
* T-Mobile US Inc.	7,533,556	528,705
CenturyLink Inc.	24,789,904	525,546
* Zayo Group Holdings Inc.	5,352,839	185,851
*,^ Sprint Corp.	15,287,896	99,983
* Vonage Holdings Corp.	5,458,776	77,296
Telephone & Data Systems Inc.	2,350,029	71,511
*,^ Iridium Communications Inc.	2,398,881	53,975
*,^ Intelsat SA	1,738,715	52,161
*,^ GTT Communications Inc.	1,104,184	47,922
* 8x8 Inc.	2,216,976	47,111
Shenandoah Telecommunications Co.	1,189,068	46,076
Consolidated Communications Holdings Inc.	1,826,868	23,822
* ORBCOMM Inc.	1,921,529	20,868
ATN International Inc.	262,281	19,377
* Cincinnati Bell Inc.	1,135,032	18,104
* United States Cellular Corp.	394,310	17,657
^ Frontier Communications Corp.	2,627,210	17,051
* pdvWireless Inc.	313,359	10,623
Spok Holdings Inc.	576,352	8,876
*,^ Globalstar Inc.	14,034,472	7,130
* HC2 Holdings Inc.	1,140,403	6,979
^ Windstream Holdings Inc.	1,118,677	5,482
*,^ Pareteum Corp.	1,395,499	4,186
IDT Corp. Class B	427,758	2,284
* Alaska Communications Systems Group Inc.	1,205,044	1,976
* Otelco Inc. Class A	54,117	942
* CPS Technologies Corp.	45,009	65
	13,701,973	

Utilities (2.8%)

NextEra Energy Inc.	12,141,023	2,034,835
Duke Energy Corp.	18,025,247	1,442,380
Dominion Energy Inc.	16,587,400	1,165,762
Southern Co.	25,740,402	1,122,282
Exelon Corp.	24,510,347	1,070,122
American Electric Power Co. Inc.	12,472,602	884,058
Sempra Energy	6,941,765	789,626
Public Service Enterprise Group Inc.	12,803,974	675,922
Xcel Energy Inc.	12,884,352	608,270
* PG&E Corp.	13,136,556	604,413
Consolidated Edison Inc.	7,872,822	599,830

Edison International	8,276,563	560,158
WEC Energy Group Inc.	8,023,120	535,623
PPL Corp.	18,241,007	533,732

DTE Energy Co.	4,592,122	501,138
Eversource Energy	8,034,140	493,618
FirstEnergy Corp.	12,362,221	459,504
American Water Works Co. Inc.	4,553,509	400,572
Ameren Corp.	6,185,088	391,021
Evergy Inc.	6,920,634	380,081
Entergy Corp.	4,570,535	370,808
CMS Energy Corp.	7,146,201	350,164
CenterPoint Energy Inc.	12,510,973	345,928
NRG Energy Inc.	7,450,246	278,639
Atmos Energy Corp.	2,827,364	265,518
* Vistra Energy Corp.	10,614,993	264,101
Alliant Energy Corp.	6,051,860	257,628
UGI Corp.	4,407,543	244,530
AES Corp.	16,745,895	234,443
NiSource Inc.	9,214,986	229,637
Pinnacle West Capital Corp.	2,818,791	223,192
Aqua America Inc.	4,523,293	166,910
Vectren Corp.	2,118,369	151,442
SCANA Corp.	3,442,893	133,894
IDACORP Inc.	1,300,136	129,013
National Fuel Gas Co.	2,010,727	112,721
ONE Gas Inc.	1,349,904	111,070
New Jersey Resources Corp.	2,273,004	104,785
Portland General Electric Co.	2,288,339	104,371
Hawaiian Electric Industries Inc.	2,835,969	100,932
ALLETE Inc.	1,335,094	100,145
Southwest Gas Holdings Inc.	1,170,272	92,487
Spire Inc.	1,224,117	90,034
Avista Corp.	1,675,871	84,732
PNM Resources Inc.	2,058,644	81,214
Black Hills Corp.	1,366,066	79,355
Avangrid Inc.	1,639,937	78,602
South Jersey Industries Inc.	2,176,547	76,767
NorthWestern Corp.	1,291,700	75,771
El Paso Electric Co.	1,049,769	60,047
MGE Energy Inc.	913,663	58,337
American States Water Co.	943,071	57,659
Ormat Technologies Inc.	1,025,260	55,477
California Water Service Group	1,230,895	52,805
Northwest Natural Gas Co.	740,704	49,553
Pattern Energy Group Inc. Class A	2,326,632	46,230
Chesapeake Utilities Corp.	407,782	34,213
* Evoqua Water Technologies Corp.	1,717,384	30,535
* , ^ Sunrun Inc.	2,354,212	29,286
SJW Group	444,790	27,199
Connecticut Water Service Inc.	311,275	21,593
Middlesex Water Co.	411,338	19,917
Unitil Corp.	389,751	19,838
TerraForm Power Inc. Class A	1,676,182	19,360
* , ^ Bloom Energy Corp. Class A	455,281	15,516
York Water Co.	349,426	10,623
* , ^ Cadiz Inc.	800,855	8,930

Artesian Resources Corp. Class A	239,530	8,810
* AquaVenture Holdings Ltd.	352,981	6,378
* Atlantic Power Corp.	2,788,295	6,134
* Pure Cycle Corp.	497,626	5,748

RGC Resources Inc.			168,287	4,495
*,^ Vivint Solar Inc.			773,204	4,021
Spark Energy Inc. Class A			312,101	2,575
Genie Energy Ltd. Class B			383,069	2,069
				20,849,128
Total Common Stocks (Cost \$444,804,974)				753,834,735
Coupon				
Temporary Cash Investments (0.9%)¹				
Money Market Fund (0.9%)				
3,4 Vanguard Market Liquidity Fund	2.209%		66,011,360	6,601,136
		Maturity Date	Face Amount (\$000)	
U.S. Government and Agency Obligations (0.0%)				
United States Treasury Bill	1.883%-1.887%	10/4/18	7,100	7,099
5 United States Treasury Bill	1.934%	10/11/18	47,000	46,973
5 United States Treasury Bill	1.986%	10/18/18	13,000	12,987
5 United States Treasury Bill	2.082%	12/20/18	3,000	2,986
5 United States Treasury Bill	2.088%	12/27/18	40,000	39,791
5 United States Treasury Bill	2.077%	1/3/19	40,000	39,773
United States Treasury Bill	2.292%	2/21/19	10,000	9,910
				159,519
Total Temporary Cash Investments (Cost \$6,760,608)				6,760,655
Total Investments (100.5%) (Cost \$451,565,582)				760,595,390
Other Asset and Liabilities-Net (-0.5%)^{4,5,6}				(4,007,367)
Net Assets (100%)				756,588,023

* Non-income-producing security.

^ Includes partial security positions on loan to broker-dealers. The total value of securities on loan is \$3,422,167,000.

§ Security value determined using significant unobservable inputs.

1 The fund invests a portion of its cash reserves in equity markets through the use of index futures contracts and swap contracts. After giving effect to futures and swap investments, the fund's effective common stock and temporary cash investment positions represent 100.0% and 0.5%, respectively, of net assets.

2 "Other" represents securities that are not classified by the fund's benchmark index.

3 Affiliated money market fund available only to Vanguard funds and certain trusts and accounts managed by Vanguard. Rate shown is the 7-day yield.

4 Includes \$3,693,207,000 of collateral received for securities on loan.

5 Securities with a value of \$127,519,000 and cash of \$2,605,000 have been segregated as initial margin for open futures contracts.

6 Cash of \$1,800,000 has been segregated as collateral for open over-the-counter swap contracts. ADR—American Depositary Receipt.

CVR—Contingent Value Rights. REIT—Real Estate Investment Trust.

Total Stock Market Index Fund

Derivative Financial Instruments Outstanding as of Period End

Futures Contracts

(\$000)				
	Expiration	Number of Long (Short) Contracts	Notional Amount	Value and Unrealized Appreciation (Depreciation)
Long Futures Contracts				
E-mini S&P 500 Index	December 2018	17,809	2,599,223	4,868
E-mini Russell 2000 Index	December 2018	1,914	162,767	(2,683)
E-mini S&P Mid-Cap 400 Index	December 2018	240	48,605	(686)
				1,499

Total Return Swaps

Reference Entity	Termination Date	Counterparty	Notional Amount (\$000)	Floating Interest Rate Received (Paid) ¹	Value and Unrealized Appreciation (Depreciation) (\$000)
Ambac Financial Group Inc.	10/11/2018	GSCM	840	2.818%	(23)
Ambac Financial Group Inc.	10/11/2018	GSCM	1,994	2.818%	(56)
Ambac Financial Group Inc.	10/11/2018	GSCM	11,523	2.568%	(320)
SLM Corp.	11/9/2018	GSI	48,655	2.531%	(2,385)
					(2,784)

GSCM—Goldman Sachs Capital Management.

GSI—Goldman Sachs
International.

¹ Payment received/paid monthly.

A. Security Valuation: Securities are valued as of the close of trading on the New York Stock Exchange (generally 4 p.m., Eastern time) on the valuation date. Equity securities are valued at the latest quoted sales prices or official closing prices taken from the primary market in which each security trades; such securities not traded on the valuation date are valued at the mean of the latest quoted bid and asked prices. Securities for which market quotations are not readily available, or whose values have been materially affected by events occurring before the fund's pricing time but after the close of the securities' primary markets, are valued by methods deemed by the board of trustees to represent fair value. Investments in Vanguard Market Liquidity Fund are valued at that fund's net asset value. Temporary cash investments are valued using the latest bid prices or using valuations based on a matrix system (which considers such factors as security prices, yields, maturities, and ratings), both as furnished by independent pricing services.

Total Stock Market Index Fund

B. Futures Contracts: The fund uses index futures contracts to a limited extent, with the objectives of maintaining full exposure to the stock market, maintaining liquidity, and minimizing transaction costs. The fund may purchase futures contracts to immediately invest incoming cash in the market, or sell futures in response to cash outflows, thereby simulating a fully invested position in the underlying index while maintaining a cash balance for liquidity. The primary risks associated with the use of futures contracts are imperfect correlation between changes in market values of stocks held by the fund and the prices of futures contracts, and the possibility of an illiquid market. Counterparty risk involving futures is mitigated because a regulated clearinghouse is the counterparty instead of the clearing broker. To further mitigate counterparty risk, the fund trades futures contracts on an exchange, monitors the financial strength of its clearing brokers and clearinghouse, and has entered into clearing agreements with its clearing brokers. The clearinghouse imposes initial margin requirements to secure the fund's performance and requires daily settlement of variation margin representing changes in the market value of each contract. Any assets pledged as initial margin for open contracts are noted in the Schedule of Investments.

Futures contracts are valued at their quoted daily settlement prices. The notional amounts of the contracts are not recorded in the Schedule of Investments. Fluctuations in the value of the contracts are recorded as an asset (liability).

C. Swap Contracts: The fund has entered into equity swap contracts to earn the total return on selected reference stocks in the fund's target index. Under the terms of the swaps, the fund receives the total return on the referenced stock (i.e., receiving the increase or paying the decrease in value of the selected reference stock and receiving the equivalent of any dividends in respect of the selected referenced stock) over a specified period of time, applied to a notional amount that represents the value of a designated number of shares of the selected reference stock at the beginning of the equity swap contract. The fund also pays a floating rate that is based on short-term interest rates, applied to the notional amount. At the same time, the fund invests an amount approximating the notional amount of the swap in high-quality temporary cash investments.

The notional amounts of swap contracts are not recorded in the Schedule of Investments. Swaps are valued daily based on market quotations received from independent pricing services or recognized dealers and the change in value is recorded as unrealized appreciation (depreciation) until termination of the swap, at which time realized gain (loss) is recorded.

A risk associated with all types of swaps is the possibility that a counterparty may default on its obligation to pay net amounts due to the fund. The fund's maximum amount subject to counterparty risk is the unrealized appreciation on the swap contract. The fund mitigates its counterparty risk by entering into swaps only with a diverse group of prequalified counterparties, monitoring their financial strength, entering into master netting arrangements with its counterparties, and requiring its counterparties to transfer collateral as security for their performance. In the absence of a default, the collateral pledged or received by the fund

Total Stock Market Index Fund

cannot be repledged, resold, or rehypothecated. In the event of a counterparty's default (including bankruptcy), the fund may terminate any swap contracts with that counterparty, determine the net amount owed by either party in accordance with its master netting arrangements, and sell or retain any collateral held up to the net amount owed to the fund under the master netting arrangements. The swap contracts contain provisions whereby a counterparty may terminate open contracts if the fund's net assets decline below a certain level, triggering a payment by the fund if the fund is in a net liability position at the time of the termination. The payment amount would be reduced by any collateral the fund has pledged. Any securities pledged as collateral for open contracts are noted in the Schedule of Investments. The value of collateral received or pledged is compared daily to the value of the swap contracts exposure with each counterparty, and any difference, if in excess of a specified minimum transfer amount, is adjusted and settled within two business days.

D. Various inputs may be used to determine the value of the fund's investments. These inputs are summarized in three broad levels for financial statement purposes. The inputs or methodologies used to value securities are not necessarily an indication of the risk associated with investing in those securities.

Level 1—Quoted prices in active markets for identical securities.

Level 2—Other significant observable inputs (including quoted prices for similar securities, interest rates, prepayment speeds, credit risk, etc.). **Level 3**—Significant unobservable inputs (including the fund's own assumptions used to determine the fair value of investments). Any investments valued with significant unobservable inputs are noted on the Schedule of Investments.

The following table summarizes the market value of the fund's investments as of September 30, 2018, based on the inputs used to value them:

	Level 1 (\$000)	Level 2 (\$000)	Level 3 (\$000)
Investments			
Common Stocks	753,156,856	671,995	5,884
Temporary Cash Investments	6,601,136	159,519	—
Futures Contracts—Assets ¹	1,521	—	—
Futures Contracts—Liabilities ¹	(1,909)	—	—
Swap Contracts—Liabilities	—	(2,784)	—
Total	759,757,604	828,730	5,884

¹ Represents variation margin on the last day of the reporting period.

Vanguard Value Index Fund

Schedule of Investments (unaudited)
As of September 30, 2018

	Shares	Market Value (\$000)
Common Stocks (100.0%)¹		
Basic Materials (2.9%)		
DowDuPont Inc.	13,090,924	841,877
Air Products & Chemicals Inc.	1,244,368	207,872
LyondellBasell Industries NV Class A	1,767,908	181,228
PPG Industries Inc.	1,373,898	149,934
International Paper Co.	2,320,769	114,066

CERTIFICATIONS

I, Mortimer J. Buckley, certify that:

1. I have reviewed this report on Form N-Q of Vanguard Index Funds;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the schedules of investments included in this report fairly present in all material respects the investments of the registrant as of the end of the fiscal quarter for which the report is filed;
4. The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Rule 30a-3(c) under the Investment Company Act of 1940) and internal control over financial reporting (as defined in Rule 30a-3(d) under the Investment Company Act of 1940) for the registrant and have:
 - (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - (b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - (c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of a date within 90 days prior to the filing date of this report, based on such evaluation; and
 - (d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer(s) and I have disclosed to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
 - (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize, and report financial information; and
 - (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: November 16, 2018

/s/ Mortimer J. Buckley

Mortimer J. Buckley
Chief Executive Officer

CERTIFICATIONS

I, Thomas J. Higgins, certify that:

1. I have reviewed this report on Form N-Q of Vanguard Index Funds;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the schedules of investments included in this report fairly present in all material respects the investments of the registrant as of the end of the fiscal quarter for which the report is filed;
4. The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Rule 30a-3(c) under the Investment Company Act of 1940) and internal control over financial reporting (as defined in Rule 30a-3(d) under the Investment Company Act of 1940) for the registrant and have:
 - (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - (b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - (c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of a date within 90 days prior to the filing date of this report, based on such evaluation; and
 - (d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer(s) and I have disclosed to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
 - (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize, and report financial information; and
 - (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: November 16, 2018

/s/ Thomas J. Higgins

Thomas J. Higgins
Chief Financial Officer