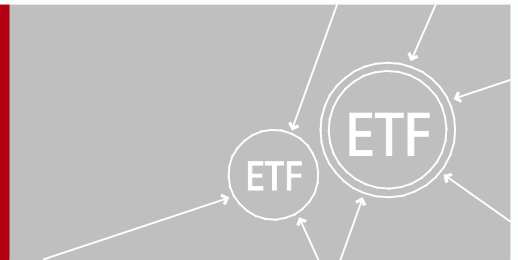


US SEC Filing of Form N-Q for the Vanguard® Exchange Traded Funds

31 May 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 'VTS'.

* Clearing House Electronic Subregister System (CHESS) Depositary Interests (CDIs)

Further Information

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

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, 2018

Date of reporting period: March 31, 2018

Item 1: Schedule of Investments

Vanguard 500 Index Fund

Schedule of Investments (unaudited)

As of March 31, 2018

	Shares	Market Value (\$000)
Common Stocks (99.5%)¹		
Consumer Discretionary (12.6%)		
* Amazon.com Inc.	7,121,741	10,307,581
Home Depot Inc.	20,697,460	3,689,115

Extended Market Index Fund

each counterparty, and any difference, if in excess of a specified minimum transfer amount, is adjusted and settled within two business days.

E. At March 31, 2018, the cost of investment securities for tax purposes was \$48,103,468,000. Net unrealized appreciation of investment securities for tax purposes was \$16,039,670,000, consisting of unrealized gains of \$19,611,553,000 on securities that had risen in value since their purchase and \$3,571,883,000 in unrealized losses on securities that had fallen in value since their purchase.

Vanguard Total Stock Market Index Fund

Schedule of Investments (unaudited)

As of March 31, 2018

	Shares	Market Value (\$000)
Common Stocks (99.5%)¹		
Basic Materials (2.5%)		
DowDuPont Inc.	57,465,862	3,661,150
Praxair Inc.	7,061,838	1,019,023
Ecolab Inc.	6,411,716	878,854
Air Products & Chemicals Inc.	5,397,560	858,374
LyondellBasell Industries NV Class A	7,788,041	823,040
PPG Industries Inc.	6,159,209	687,368
* Freeport-McMoRan Inc.	33,933,638	596,214
International Paper Co.	10,185,133	544,192
Newmont Mining Corp.	13,159,908	514,158
Nucor Corp.	7,835,041	478,643
Eastman Chemical Co.	3,185,057	336,278
Celanese Corp. Class A	3,352,113	335,915
International Flavors & Fragrances Inc.	1,951,348	267,159
FMC Corp.	3,310,287	253,469
Albemarle Corp.	2,724,870	252,704
Steel Dynamics Inc.	5,557,168	245,738
Avery Dennison Corp.	2,168,339	230,386
Chemours Co.	4,504,718	219,425
CF Industries Holdings Inc.	5,756,420	217,190
Mosaic Co.	8,557,560	207,778
* Alcoa Corp.	4,560,911	205,059
* Axalta Coating Systems Ltd.	5,456,744	164,739
RPM International Inc.	3,291,202	156,892
United States Steel Corp.	4,336,190	152,591
Huntsman Corp.	5,026,665	147,030
Reliance Steel & Aluminum Co.	1,703,629	146,069
Royal Gold Inc.	1,614,573	138,643

Olin Corp.	4,112,311	124,973
Ashland Global Holdings Inc.	1,531,060	106,853
Westlake Chemical Corp.	959,953	106,699
WR Grace & Co.	1,670,468	102,283
Versum Materials Inc.	2,692,409	101,315
NewMarket Corp.	234,305	94,116
PolyOne Corp.	1,999,186	85,005
Scotts Miracle-Gro Co.	986,486	84,591
* Univar Inc.	2,788,547	77,382
* Ingevity Corp.	1,045,821	77,067
Cabot Corp.	1,373,839	76,550
Peabody Energy Corp.	2,095,346	76,480
Sensient Technologies Corp.	1,067,660	75,355
KapStone Paper and Packaging Corp.	2,154,283	73,913
* Allegheny Technologies Inc.	3,089,688	73,164
Domtar Corp.	1,546,706	65,797
Balchem Corp.	794,701	64,967
HB Fuller Co.	1,242,956	61,812
Minerals Technologies Inc.	876,754	58,699
Commercial Metals Co.	2,718,267	55,616
US Silica Holdings Inc.	1,999,163	51,019
* Cleveland-Cliffs Inc.	7,326,146	50,917

* Platform Specialty Products Corp.	5,286,204	50,906
Carpenter Technology Corp.	1,153,061	50,873
^ Compass Minerals International Inc.	829,465	50,017
* GCP Applied Technologies Inc.	1,686,763	49,000
* Ferro Corp.	2,073,261	48,141
Arch Coal Inc. Class A	514,325	47,256
Quaker Chemical Corp.	312,636	46,311
Worthington Industries Inc.	1,066,071	45,756
* Cambrex Corp.	810,182	42,373
Stepan Co.	504,030	41,925
Innospec Inc.	602,449	41,328
Tronox Ltd. Class A	2,150,159	39,649
Kaiser Aluminum Corp.	391,488	39,501
* Kraton Corp.	780,974	37,260
* Coeur Mining Inc.	4,561,264	36,490
Hecla Mining Co.	9,916,602	36,394
*,^ AK Steel Holding Corp.	7,742,019	35,071
Neenah Inc.	414,737	32,515
A Schulman Inc.	660,006	28,380
Rayonier Advanced Materials Inc.	1,273,979	27,352
* AdvanSix Inc.	713,740	24,824
PH Glatfelter Co.	1,077,623	22,124
* Koppers Holdings Inc.	507,097	20,842
Warrior Met Coal Inc.	722,507	20,237
Chase Corp.	170,757	19,885
* Century Aluminum Co.	1,176,904	19,466
Innophos Holdings Inc.	477,554	19,202
KMG Chemicals Inc.	320,123	19,191
* CONSOL Energy Inc.	631,552	18,296
* CSW Industrials Inc.	380,415	17,138
* SunCoke Energy Inc.	1,581,262	17,014
*,^ Fairmount Santrol Holdings Inc.	3,864,543	16,424
* Clearwater Paper Corp.	401,646	15,704
* Verso Corp.	854,249	14,386
Tredegar Corp.	760,361	13,648
American Vanguard Corp.	660,836	13,349
Kronos Worldwide Inc.	580,190	13,112
* Codexis Inc.	1,128,247	12,411
* Resolute Forest Products Inc.	1,422,992	11,811
Haynes International Inc.	308,884	11,463
* OMNOVA Solutions Inc.	1,019,093	10,700
* Veritiv Corp.	269,480	10,564
* PQ Group Holdings Inc.	707,776	9,888
* Nexeo Solutions Inc.	803,457	8,597
* Intrepid Potash Inc.	2,262,730	8,236
Hawkins Inc.	227,222	7,987
FutureFuel Corp.	630,355	7,558
Gold Resource Corp.	1,432,357	6,460
* Cloud Peak Energy Inc.	1,880,861	5,473
Olympic Steel Inc.	260,546	5,344
*,^ AgroFresh Solutions Inc.	683,772	5,026
* Universal Stainless & Alloy Products Inc.	179,737	4,943
*,^ Uranium Energy Corp.	3,491,208	4,573
Hallador Energy Co.	551,796	3,791

* ^ ChromaDex Corp.	831,658	3,493
* Ryerson Holding Corp.	411,943	3,357
* ^ LSB Industries Inc.	477,330	2,926

Synalloy Corp.	191,382	2,746
Ampco-Pittsburgh Corp.	266,121	2,368
*,^ Ur-Energy Inc.	3,848,666	2,309
*,^ Marrone Bio Innovations Inc.	853,578	1,707
Northern Technologies International Corp.	70,300	1,582
*,^ Ramaco Resources Inc.	156,834	1,128
* NL Industries Inc.	141,712	1,112
* Senomyx Inc.	1,088,009	968
* General Moly Inc.	2,527,959	961
*,^ Pershing Gold Corp.	428,954	879
United-Guardian Inc.	44,730	787
Friedman Industries Inc.	106,118	623
* Centrus Energy Corp. Class A	112,234	398
* Solitario Zinc Corp.	608,874	284
*,^ Westwater Resources Inc.	431,989	247
*,^ US Gold Corp.	171,792	220
*,^ Paramount Gold Nevada Corp.	147,835	208
*,^ Golden Minerals Co.	516,559	208
* Dynasil Corp. of America	158,073	206
*,^ Comstock Mining Inc.	619,000	155
* Ikonics Corp.	6,410	56
*,^ US Antimony Corp.	69,973	18
		16,777,765

Consumer Goods (8.4%)

Procter & Gamble Co.	62,193,140	4,930,672
Coca-Cola Co.	94,597,367	4,108,364
PepsiCo Inc.	35,034,272	3,823,991
Philip Morris International Inc.	38,323,975	3,809,403
Altria Group Inc.	46,906,575	2,923,218
NIKE Inc. Class B	32,025,141	2,127,750
Colgate-Palmolive Co.	21,601,749	1,548,413
Mondelez International Inc. Class A	34,839,485	1,453,852
Monsanto Co.	10,317,697	1,203,972
Activision Blizzard Inc.	17,721,859	1,195,517
General Motors Co.	31,093,205	1,129,927
Ford Motor Co.	96,202,679	1,065,926
Kimberly-Clark Corp.	8,652,529	952,903
Kraft Heinz Co.	15,021,039	935,661
* Electronic Arts Inc.	7,565,878	917,287
Constellation Brands Inc. Class A	4,011,438	914,287
*,^ Tesla Inc.	3,332,760	886,947
Estee Lauder Cos. Inc. Class A	5,539,048	829,306
General Mills Inc.	14,029,534	632,171
Archer-Daniels-Midland Co.	13,775,883	597,460
* Monster Beverage Corp.	10,436,484	597,071
Stanley Black & Decker Inc.	3,778,309	578,837
VF Corp.	7,797,513	577,952
Aptiv plc	6,558,638	557,287
Tyson Foods Inc. Class A	7,333,988	536,775
Dr Pepper Snapple Group Inc.	4,426,929	524,060
Kellogg Co.	6,818,522	443,272
Clorox Co.	3,189,911	424,609

DR Horton Inc.	8,792,189	385,450
Lennar Corp. Class A	6,328,260	372,988
Tapestry Inc.	7,028,229	369,755
Conagra Brands Inc.	9,873,132	364,121
* Mohawk Industries Inc.	1,556,969	361,559

Hershey Co.	3,508,131	347,165
Brown-Forman Corp. Class B	6,155,535	334,861
JM Smucker Co.	2,659,860	329,849
Molson Coors Brewing Co. Class B	4,334,582	326,524
McCormick & Co. Inc.	2,981,252	317,175
Church & Dwight Co. Inc.	6,157,541	310,094
Genuine Parts Co.	3,433,400	308,457
Newell Brands Inc.	12,094,899	308,178
Lear Corp.	1,649,815	307,014
PVH Corp.	1,897,717	287,371
* Take-Two Interactive Software Inc.	2,819,559	275,696
* LKQ Corp.	7,234,321	274,542
Whirlpool Corp.	1,743,053	266,879
BorgWarner Inc.	5,195,407	260,965
Bunge Ltd.	3,470,923	256,640
* NVR Inc.	86,390	241,892
Hasbro Inc.	2,762,685	232,894
Ingredion Inc.	1,778,037	229,225
Hormel Foods Corp.	6,533,582	224,233
* Michael Kors Holdings Ltd.	3,562,576	221,165
* Lululemon Athletica Inc.	2,479,400	220,964
Lamb Weston Holdings Inc.	3,598,371	209,497
Campbell Soup Co.	4,817,627	208,651
Snap-on Inc.	1,399,486	206,480
Coty Inc. Class A	11,108,956	203,294
PulteGroup Inc.	6,382,489	188,220
Harley-Davidson Inc.	4,159,867	178,375
* WABCO Holdings Inc.	1,325,069	177,387
* US Foods Holding Corp.	5,286,167	173,228
* Middleby Corp.	1,378,786	170,680
Leucadia National Corp.	7,500,952	170,497
Polaris Industries Inc.	1,476,970	169,143
Hanesbrands Inc.	8,880,891	163,586
Pinnacle Foods Inc.	2,916,673	157,792
Goodyear Tire & Rubber Co.	5,916,992	157,274
Gentex Corp.	6,766,846	155,773
Ralph Lauren Corp. Class A	1,367,011	152,832
Toll Brothers Inc.	3,429,599	148,330
*,^ Herbalife Ltd.	1,508,349	147,019
Leggett & Platt Inc.	3,254,163	144,355
Thor Industries Inc.	1,235,262	142,265
Pool Corp.	942,302	137,783
Brunswick Corp.	2,154,783	127,973
* Skechers U.S.A. Inc. Class A	3,140,313	122,127
Carter's Inc.	1,160,312	120,788
* Post Holdings Inc.	1,538,024	116,521
^ Mattel Inc.	8,501,722	111,798
Valvoline Inc.	4,943,156	109,392
Delphi Technologies plc	2,191,248	104,413

Flowers Foods Inc.	4,426,096	96,754
Dana Inc.	3,566,066	91,862
Nu Skin Enterprises Inc. Class A	1,234,026	90,960
*,^ Wayfair Inc.	1,342,445	90,655
Energizer Holdings Inc.	1,472,192	87,713
* Blue Buffalo Pet Products Inc.	2,164,117	86,154
* Visteon Corp.	765,110	84,346
* Hain Celestial Group Inc.	2,434,807	78,084

* ^ Under Armour Inc. Class A	4,604,355	75,281
* Zynga Inc. Class A	19,354,974	70,839
* Darling Ingredients Inc.	4,077,375	70,539
* Deckers Outdoor Corp.	781,265	70,337
Tenneco Inc.	1,275,545	69,989
* Welbilt Inc.	3,447,761	67,059
* ^ Under Armour Inc.	4,614,495	66,218
* Edgewell Personal Care Co.	1,337,675	65,305
Wolverine World Wide Inc.	2,251,582	65,071
* Taylor Morrison Home Corp. Class A	2,749,266	64,003
* TRI Pointe Group Inc.	3,739,065	61,433
LCI Industries	586,851	61,121
Sanderson Farms Inc.	507,061	60,350
KB Home	2,121,252	60,350
Columbia Sportswear Co.	781,735	59,748
Spectrum Brands Holdings Inc.	572,227	59,340
Lancaster Colony Corp.	473,809	58,345
* Helen of Troy Ltd.	668,907	58,195
Steven Madden Ltd.	1,319,284	57,917
* Cooper-Standard Holdings Inc.	441,242	54,189
* TreeHouse Foods Inc.	1,401,737	53,644
Tupperware Brands Corp.	1,064,394	51,495
* Tempur Sealy International Inc.	1,132,695	51,300
Vector Group Ltd.	2,489,219	50,755
J&J Snack Foods Corp.	370,282	50,566
Herman Miller Inc.	1,477,585	47,209
* Dorman Products Inc.	669,651	44,338
WD-40 Co.	326,570	43,009
* Meritage Homes Corp.	940,752	42,569
* ^ iRobot Corp.	651,582	41,825
* American Axle & Manufacturing Holdings Inc.	2,741,459	41,725
* Boston Beer Co. Inc. Class A	206,434	39,026
* G-III Apparel Group Ltd.	1,027,588	38,720
HNI Corp.	1,072,370	38,702
^ B&G Foods Inc.	1,632,648	38,694
Callaway Golf Co.	2,335,179	38,204
Interface Inc. Class A	1,491,843	37,594
Cooper Tire & Rubber Co.	1,261,359	36,958
* Cavco Industries Inc.	212,500	36,922
La-Z-Boy Inc.	1,169,109	35,015
* Hostess Brands Inc. Class A	2,342,057	34,639
Calavo Growers Inc.	368,049	33,934
* Sleep Number Corp.	952,443	33,478
Fresh Del Monte Produce Inc.	729,695	33,011
ACCO Brands Corp.	2,624,089	32,932
* Fox Factory Holding Corp.	883,671	30,840
* Avon Products Inc.	10,850,593	30,816
* Gentherm Inc.	905,035	30,726
* ^ Cal-Maine Foods Inc.	701,072	30,637
MDC Holdings Inc.	1,092,168	30,493
* Pilgrim's Pride Corp.	1,233,325	30,352
* LGI Homes Inc.	428,155	30,215
Seaboard Corp.	7,021	29,945
Universal Corp.	612,113	29,687
Oxford Industries Inc.	396,122	29,535

Schweitzer-Mauduit International Inc.

749,823

29,356

MGP Ingredients Inc.

309,283

27,709

* Central Garden & Pet Co. Class A	691,852	27,404
* Crocs Inc.	1,632,175	26,523
Winnebago Industries Inc.	698,840	26,276
Medifast Inc.	279,618	26,130
National Beverage Corp.	291,584	25,957
* USANA Health Sciences Inc.	299,100	25,693
* Modine Manufacturing Co.	1,195,325	25,281
Steelcase Inc. Class A	1,842,290	25,055
Camping World Holdings Inc. Class A	761,234	24,550
Knoll Inc.	1,148,659	23,191
*,^ Fitbit Inc. Class A	4,531,798	23,112
* Vista Outdoor Inc.	1,412,377	23,050
Standard Motor Products Inc.	471,764	22,442
* M/I Homes Inc.	684,067	21,788
Briggs & Stratton Corp.	995,139	21,306
* William Lyon Homes Class A	772,426	21,234
Andersons Inc.	627,234	20,761
Inter Parfums Inc.	425,683	20,071
Coca-Cola Bottling Co. Consolidated	115,558	19,953
Nutrisystem Inc.	733,473	19,767
Lennar Corp. Class B	410,580	19,581
Dean Foods Co.	2,243,645	19,340
Phibro Animal Health Corp. Class A	485,627	19,279
Acushnet Holdings Corp.	821,002	18,957
* Century Communities Inc.	610,501	18,285
* Stoneridge Inc.	659,283	18,196
* Central Garden & Pet Co.	407,190	17,509
* Universal Electronics Inc.	332,231	17,293
* Malibu Boats Inc. Class A	500,554	16,623
Titan International Inc.	1,240,387	15,641
Movado Group Inc.	381,687	14,657
Kimball International Inc. Class B	854,741	14,565
Ethan Allen Interiors Inc.	604,630	13,876
* Unifi Inc.	377,582	13,687
*,^ Fossil Group Inc.	1,074,348	13,644
Tower International Inc.	479,513	13,306
*,^ GoPro Inc. Class A	2,698,552	12,926
* Beazer Homes USA Inc.	771,034	12,298
John B Sanfilippo & Son Inc.	200,099	11,580
National Presto Industries Inc.	122,426	11,477
*,^ elf Beauty Inc.	563,676	10,918
^ Tootsie Roll Industries Inc.	370,090	10,899
* MCBC Holdings Inc.	431,046	10,862
Hooker Furniture Corp.	287,151	10,538
* Nautilus Inc.	742,503	9,987
* Motorcar Parts of America Inc.	463,137	9,925
* Freshpet Inc.	598,812	9,850
* Glu Mobile Inc.	2,519,517	9,499
* Perry Ellis International Inc.	308,561	7,961
* ZAGG Inc.	649,577	7,925
Superior Industries International Inc.	585,406	7,786
* Primo Water Corp.	663,967	7,775
Culp Inc.	250,620	7,656
Limoneira Co.	321,029	7,618

* Farmer Brothers Co.	250,444	7,563
Bassett Furniture Industries Inc.	241,455	7,328
Flexsteel Industries Inc.	181,586	7,187

Johnson Outdoors Inc. Class A	110,155	6,830
* ^ 22nd Century Group Inc.	2,783,298	6,541
Superior Uniform Group Inc.	231,336	6,077
* Hovnanian Enterprises Inc. Class A	3,157,639	5,778
* Vera Bradley Inc.	528,343	5,606
Weyco Group Inc.	162,984	5,476
Oil-Dri Corp. of America	136,100	5,470
* Seneca Foods Corp. Class A	185,972	5,151
* Alliance One International Inc.	197,695	5,150
* ^ Eastman Kodak Co.	896,745	4,798
* Craft Brew Alliance Inc.	251,775	4,683
* ^ Revlon Inc. Class A	207,651	4,278
* New Home Co. Inc.	384,016	4,255
Lifetime Brands Inc.	336,352	4,171
* Clarus Corp.	601,618	4,061
Turning Point Brands Inc.	208,702	4,057
Rocky Brands Inc.	185,059	3,970
* Skyline Corp.	163,274	3,592
Core Molding Technologies Inc.	187,022	3,335
* ^ Castle Brands Inc.	2,674,292	3,316
Strattec Security Corp.	88,294	3,210
* ^ Vuzix Corp.	575,521	3,165
* Shiloh Industries Inc.	360,556	3,137
Hamilton Beach Brands Holding Co. Class A	143,787	3,051
Libbey Inc.	578,775	2,830
Marine Products Corp.	192,480	2,697
Escalade Inc.	193,788	2,655
* ^ Jamba Inc.	303,128	2,598
* Lakeland Industries Inc.	200,276	2,594
* Delta Apparel Inc.	137,842	2,484
* Nature's Sunshine Products Inc.	212,752	2,340
* ^ Akoustis Technologies Inc.	370,402	2,159
* ^ S&W Seed Co.	562,635	2,025
Kewaunee Scientific Corp.	56,675	1,930
* Natural Alternatives International Inc.	175,279	1,928
Alico Inc.	69,657	1,895
* ^ PolarityTE Inc.	102,828	1,864
* ^ Orchids Paper Products Co.	227,573	1,855
* ^ Sequential Brands Group Inc.	820,261	1,710
Crown Crafts Inc.	274,576	1,606
* Funko Inc. Class A	192,360	1,579
* ^ Iconix Brand Group Inc.	1,295,497	1,438
Rocky Mountain Chocolate Factory Inc.	114,287	1,375
* ^ Veru Inc.	753,450	1,364
Unique Fabricating Inc.	159,609	1,347
* US Auto Parts Network Inc.	640,927	1,314
Acme United Corp.	59,859	1,247
* JAKKS Pacific Inc.	566,895	1,190
* ^ Celsius Holdings Inc.	269,229	1,171
* ^ New Age Beverages Corp.	450,352	1,090
* Lifevantage Corp.	292,255	1,055
* Alpha Pro Tech Ltd.	293,460	983
Virco Manufacturing Corp.	227,507	933
* ^ Nova Lifestyle Inc.	403,061	871
* Dixie Group Inc.	282,155	776
LS Starrett Co. Class A	105,296	711
* ^ Lipocine Inc.	461,683	706

* Lifeway Foods Inc.	116,677	699
* Tandy Leather Factory Inc.	93,919	662
* Coffee Holding Co. Inc.	130,802	569
Mannatech Inc.	32,631	512
* Willamette Valley Vineyards Inc.	64,597	508
* Zedge Inc. Class B	143,177	458
*,^ Long Blockchain Corp.	151,566	403
* Differential Brands Group Inc.	284,075	355
*,^ Vince Holding Corp.	39,303	352
* Cherokee Inc.	242,339	315
*,^ Reed's Inc.	176,831	301
* Charles & Colvard Ltd.	212,413	289
* Emerson Radio Corp.	153,609	224
* Summer Infant Inc.	149,701	172
P&F Industries Inc. Class A	19,303	146
* Cyanotech Corp.	23,496	117
* Bridgford Foods Corp.	6,780	100
*,^ CDTi Advanced Materials Inc.	100,233	98
Ocean Bio-Chem Inc.	22,278	89
CompX International Inc.	5,846	81
* CTI Industries Corp.	14,046	56
* Hovnanian Enterprises Inc. Class B	19,300	35
* Koss Corp.	17,633	31
*,^ Level Brands Inc.	400	2

56,810,344

Consumer Services (13.0%)

* Amazon.com Inc.	10,151,619	14,692,844
Home Depot Inc.	28,809,638	5,135,030
Comcast Corp. Class A	114,352,773	3,907,434
Walt Disney Co.	35,237,243	3,539,229
Walmart Inc.	36,548,932	3,251,758
McDonald's Corp.	19,665,655	3,075,315
* Netflix Inc.	10,170,065	3,003,729
* Booking Holdings Inc.	1,202,874	2,502,447
Costco Wholesale Corp.	10,834,003	2,041,451
Starbucks Corp.	32,941,846	1,907,003
Time Warner Inc.	18,266,813	1,727,675
Lowe's Cos. Inc.	19,448,041	1,706,566
CVS Health Corp.	25,031,404	1,557,204
Walgreens Boots Alliance Inc.	20,783,096	1,360,669
* Charter Communications Inc. Class A	4,119,319	1,282,014
TJX Cos. Inc.	14,820,950	1,208,797
* eBay Inc.	23,712,065	954,173
Twenty-First Century Fox Inc. Class A	25,990,105	953,577
Target Corp.	13,410,540	931,094
Marriott International Inc. Class A	6,614,947	899,500
Delta Air Lines Inc.	15,828,137	867,540
Southwest Airlines Co.	13,056,362	747,868
Ross Stores Inc.	9,429,711	735,329
McKesson Corp.	5,091,629	717,258
Las Vegas Sands Corp.	9,753,909	701,306
Yum! Brands Inc.	8,196,130	697,737
Sysco Corp.	11,586,587	694,732

Carnival Corp.	9,885,945	648,320
Dollar General Corp.	6,698,355	626,631
* Dollar Tree Inc.	5,846,456	554,829
American Airlines Group Inc.	10,506,853	545,936

Kroger Co.	21,751,455	520,730
* O'Reilly Automotive Inc.	2,079,898	514,525
Royal Caribbean Cruises Ltd.	4,219,557	496,811
Cardinal Health Inc.	7,767,406	486,861
* United Continental Holdings Inc.	6,379,499	443,184
MGM Resorts International	12,569,810	440,195
* AutoZone Inc.	674,480	437,528
CBS Corp. Class B	8,493,965	436,505
Best Buy Co. Inc.	6,131,646	429,154
Omnicom Group Inc.	5,678,517	412,658
Hilton Worldwide Holdings Inc.	5,066,882	399,068
Twenty-First Century Fox Inc.	10,849,992	394,614
Wynn Resorts Ltd.	2,027,706	369,772
AmerisourceBergen Corp. Class A	4,066,970	350,613
Expedia Group Inc.	3,085,001	340,615
* Ulta Beauty Inc.	1,430,052	292,117
Tiffany & Co.	2,910,908	284,279
* Liberty Interactive Corp. QVC Group Class A	11,221,317	282,441
Viacom Inc. Class B	9,067,291	281,630
Nielsen Holdings plc	8,800,061	279,754
* CarMax Inc.	4,457,807	276,117
Kohl's Corp.	4,142,689	271,388
Wyndham Worldwide Corp.	2,333,611	267,035
* Norwegian Cruise Line Holdings Ltd.	4,969,032	263,210
* Copart Inc.	5,141,839	261,874
Darden Restaurants Inc.	3,043,599	259,467
Domino's Pizza Inc.	1,060,641	247,723
Aramark	6,062,443	239,830
L Brands Inc.	5,919,131	226,170
* Burlington Stores Inc.	1,683,561	224,166
Macy's Inc.	7,511,266	223,385
* Chipotle Mexican Grill Inc. Class A	689,118	222,661
Vail Resorts Inc.	996,505	220,925
Interpublic Group of Cos. Inc.	9,578,446	220,592
Gap Inc.	6,719,675	209,654
*,^ GrubHub Inc.	2,038,754	206,872
Advance Auto Parts Inc.	1,733,491	205,505
* DISH Network Corp. Class A	5,350,457	202,729
Tractor Supply Co.	3,095,241	195,062
FactSet Research Systems Inc.	962,118	191,866
Alaska Air Group Inc.	3,035,583	188,085
News Corp. Class A	11,866,250	187,487
KAR Auction Services Inc.	3,321,596	180,031
^ Sirius XM Holdings Inc.	27,828,590	173,650
* ServiceMaster Global Holdings Inc.	3,329,105	169,285
* Caesars Entertainment Corp.	14,766,794	166,126
Service Corp. International	4,354,182	164,327
* JetBlue Airways Corp.	7,937,522	161,290
* Liberty Media Corp-Liberty SiriusXM C	3,909,362	159,697
* Liberty Media Corp-Liberty Formula One	4,645,155	143,303
* Bright Horizons Family Solutions Inc.	1,425,755	142,176

* Live Nation Entertainment Inc.	3,315,220	139,703
Nordstrom Inc.	2,877,715	139,310
* Discovery Communications Inc.	7,061,252	137,836
Foot Locker Inc.	2,993,683	136,332
Dunkin' Brands Group Inc.	2,224,915	132,805
H&R Block Inc.	5,159,445	131,102

* Grand Canyon Education Inc.	1,190,932	124,953
Rollins Inc.	2,432,133	124,112
Six Flags Entertainment Corp.	1,773,804	110,437
Sabre Corp.	5,081,269	108,993
*,^ TripAdvisor Inc.	2,648,752	108,307
Chemed Corp.	394,233	107,570
Dun & Bradstreet Corp.	908,591	106,305
* Madison Square Garden Co. Class A	421,570	103,622
Casey's General Stores Inc.	926,664	101,720
* Five Below Inc.	1,359,747	99,724
Williams-Sonoma Inc.	1,867,907	98,551
* Liberty Media Corp-Liberty SiriusXM A	2,387,248	98,116
* Hilton Grand Vacations Inc.	2,273,708	97,815
Cinemark Holdings Inc.	2,576,794	97,068
^ Cracker Barrel Old Country Store Inc.	591,185	94,117
Extended Stay America Inc.	4,739,284	93,696
Texas Roadhouse Inc. Class A	1,578,318	91,195
Dolby Laboratories Inc. Class A	1,432,146	91,027
* Beacon Roofing Supply Inc.	1,676,848	88,990
*,^ Discovery Communications Inc. Class A	3,878,084	83,107
Cable One Inc.	120,069	82,501
* Stamps.com Inc.	409,835	82,397
Aaron's Inc.	1,746,900	81,406
Hyatt Hotels Corp. Class A	1,067,364	81,397
* Yelp Inc. Class A	1,941,229	81,046
ILG Inc.	2,594,559	80,717
* Planet Fitness Inc. Class A	2,119,155	80,040
* Avis Budget Group Inc.	1,703,990	79,815
American Eagle Outfitters Inc.	3,935,988	78,444
Wendy's Co.	4,450,015	78,098
Tribune Media Co. Class A	1,918,473	77,717
New York Times Co. Class A	3,185,812	76,778
* SiteOne Landscape Supply Inc.	986,710	76,016
* Etsy Inc.	2,696,351	75,660
AMERCO	218,107	75,269
* Ollie's Bargain Outlet Holdings Inc.	1,222,272	73,703
* Sprouts Farmers Market Inc.	3,119,895	73,224
* Performance Food Group Co.	2,444,734	72,975
John Wiley & Sons Inc. Class A	1,117,686	71,197
Nexstar Media Group Inc. Class A	1,063,220	70,704
Bed Bath & Beyond Inc.	3,328,637	69,868
Marriott Vacations Worldwide Corp.	522,900	69,650
* AutoNation Inc.	1,473,073	68,910
Dick's Sporting Goods Inc.	1,940,529	68,016
Choice Hotels International Inc.	847,374	67,917
* Adtalem Global Education Inc.	1,412,038	67,142
SkyWest Inc.	1,217,194	66,215
^ Churchill Downs Inc.	267,338	65,244
* Shutterfly Inc.	801,776	65,144
Graham Holdings Co. Class B	107,755	64,895
Hillenbrand Inc.	1,411,889	64,806
* AMC Networks Inc. Class A	1,243,985	64,314
* Urban Outfitters Inc.	1,739,011	64,274

* Spirit Airlines Inc.	1,681,854	63,540
^ Boyd Gaming Corp.	1,944,741	61,959
Jack in the Box Inc.	723,451	61,732
TEGNA Inc.	5,283,708	60,181

Lithia Motors Inc. Class A	589,464	59,253
Sinclair Broadcast Group Inc. Class A	1,870,204	58,537
Lions Gate Entertainment Corp. Class B	2,427,306	58,450
Children's Place Inc.	429,401	58,076
* Murphy USA Inc.	795,915	57,943
Signet Jewelers Ltd.	1,490,778	57,425
*,^ Altice USA Inc. Class A	3,072,998	56,789
* Sotheby's	1,105,725	56,735
* Scientific Games Corp.	1,329,142	55,292
Allegiant Travel Co. Class A	318,380	54,936
PriceSmart Inc.	640,231	53,491
* United Natural Foods Inc.	1,242,785	53,365
* Michaels Cos. Inc.	2,690,151	53,023
* Penn National Gaming Inc.	2,017,732	52,986
* Liberty Expedia Holdings Inc. Class A	1,348,795	52,981
Meredith Corp.	970,886	52,234
* Sally Beauty Holdings Inc.	3,096,745	50,941
* Chegg Inc.	2,429,846	50,201
Red Rock Resorts Inc. Class A	1,702,711	49,855
Bloomin' Brands Inc.	2,032,277	49,344
Cheesecake Factory Inc.	1,008,671	48,638
* Cars.com Inc.	1,675,716	47,473
* Eldorado Resorts Inc.	1,422,357	46,938
Hawaiian Holdings Inc.	1,204,169	46,601
* Weight Watchers International Inc.	718,297	45,770
Big Lots Inc.	1,040,520	45,294
*,^ RH	474,594	45,219
* Groupon Inc. Class A	10,384,048	45,067
*,^ Rite Aid Corp.	26,460,784	44,454
* Acxiom Corp.	1,858,892	42,215
* Dave & Buster's Entertainment Inc.	1,003,798	41,899
Monro Inc.	768,706	41,203
Brinker International Inc.	1,135,323	40,985
* Pinnacle Entertainment Inc.	1,344,933	40,550
Abercrombie & Fitch Co.	1,670,230	40,436
Morningstar Inc.	422,693	40,376
* Rush Enterprises Inc. Class A	920,830	39,126
Matthews International Corp. Class A	765,681	38,743
* Herc Holdings Inc.	594,239	38,596
DSW Inc. Class A	1,688,323	37,920
* La Quinta Holdings Inc.	2,003,222	37,881
Penske Automotive Group Inc.	851,925	37,766
Lions Gate Entertainment Corp. Class A	1,436,166	37,096
* Asbury Automotive Group Inc.	514,713	34,743
Papa John's International Inc.	602,043	34,497
World Wrestling Entertainment Inc. Class A	936,790	33,734
Wingstop Inc.	712,722	33,662
*,^ Trade Desk Inc. Class A	658,493	32,674
Caleres Inc.	968,798	32,552
* MSG Networks Inc.	1,438,625	32,513
Group 1 Automotive Inc.	488,722	31,933
GameStop Corp. Class A	2,483,053	31,336
Tailored Brands Inc.	1,220,419	30,584

Guess? Inc.	1,423,143	29,516
*,^ Pandora Media Inc.	5,834,727	29,349
Chico's FAS Inc.	3,161,634	28,581
* Liberty Media Corp-Liberty Formula One Class A	955,044	27,973

Office Depot Inc.	12,831,279	27,587
Dine Brands Global Inc.	420,621	27,584
Gannett Co. Inc.	2,738,545	27,331
Strayer Education Inc.	269,521	27,235
* Quotient Technology Inc.	1,985,219	26,006
International Speedway Corp. Class A	576,676	25,431
* Diplomat Pharmacy Inc.	1,259,429	25,377
Capella Education Co.	284,554	24,856
* Hertz Global Holdings Inc.	1,239,362	24,601
^ Dillard's Inc. Class A	305,552	24,548
* Gray Television Inc.	1,932,453	24,542
Scholastic Corp.	616,703	23,953
* Denny's Corp.	1,541,520	23,786
Core-Mark Holding Co. Inc.	1,096,234	23,306
Sonic Corp.	917,299	23,143
* Belmond Ltd. Class A	2,034,837	22,688
*,^ Party City Holdco Inc.	1,445,303	22,547
*,^ JC Penney Co. Inc.	7,232,762	21,843
New Media Investment Group Inc.	1,260,278	21,601
BJ's Restaurants Inc.	479,585	21,533
* Career Education Corp.	1,611,595	21,176
* Simply Good Foods Co.	1,532,983	21,048
* National Vision Holdings Inc.	641,519	20,727
* Liberty Media Corp-Liberty Braves Class C	872,208	19,904
PetMed Express Inc.	476,525	19,895
*,^ ANGI Homeservices Inc. Class A	1,455,876	19,771
*,^ SeaWorld Entertainment Inc.	1,328,010	19,694
* Providence Service Corp.	279,757	19,342
* Genesco Inc.	473,541	19,226
* Liberty TripAdvisor Holdings Inc. Class A	1,773,367	19,064
*,^ Shake Shack Inc. Class A	454,018	18,901
* SP Plus Corp.	523,667	18,643
* Red Robin Gourmet Burgers Inc.	319,254	18,517
AMC Entertainment Holdings Inc. Class A	1,302,966	18,307
Ruth's Hospitality Group Inc.	733,205	17,927
* Houghton Mifflin Harcourt Co.	2,567,479	17,844
* Laureate Education Inc. Class A	1,273,213	17,507
Entercom Communications Corp. Class A	1,792,081	17,294
* American Public Education Inc.	386,642	16,626
* Lumber Liquidators Holdings Inc.	692,857	16,573
*,^ Trupanion Inc.	550,941	16,468
EW Scripps Co. Class A	1,364,904	16,365
* TrueCar Inc.	1,704,237	16,122
Buckle Inc.	726,538	16,093
*,^ Conn's Inc.	459,270	15,615
* At Home Group Inc.	467,401	14,976
SpartanNash Co.	857,887	14,764
*,^ Overstock.com Inc.	400,928	14,534
SUPERVALU Inc.	950,620	14,478
*,^ Roku Inc.	446,096	13,874
* Express Inc.	1,920,326	13,750
Marcus Corp.	451,139	13,692
* K12 Inc.	959,312	13,603
* Regis Corp.	858,632	12,991
* Chefs' Warehouse Inc.	555,902	12,786
* XO Group Inc.	614,493	12,751
* MarineMax Inc.	644,954	12,544

^ Emerald Expositions Events Inc.	631,085	12,294
Finish Line Inc. Class A	882,946	11,955
* Monarch Casino & Resort Inc.	280,430	11,859
Ingles Markets Inc. Class A	344,382	11,657
* QuinStreet Inc.	908,453	11,601
* Biglari Holdings Inc.	28,181	11,509
* Zumiez Inc.	475,516	11,365
* Hibbett Sports Inc.	474,282	11,359
*,^ Cargurus Inc.	291,766	11,224
Sonic Automotive Inc. Class A	586,860	11,121
* Chuy's Holdings Inc.	415,327	10,882
* Titan Machinery Inc.	454,477	10,707
* Golden Entertainment Inc.	448,695	10,423
* Care.com Inc.	627,624	10,211
* TechTarget Inc.	504,191	10,023
Citi Trends Inc.	320,312	9,901
* MDC Partners Inc. Class A	1,369,011	9,857
Carriage Services Inc. Class A	353,152	9,768
* Fiesta Restaurant Group Inc.	526,605	9,742
Weis Markets Inc.	234,407	9,606
National CineMedia Inc.	1,807,282	9,380
* Carrols Restaurant Group Inc.	836,685	9,371
* Ascena Retail Group Inc.	4,557,790	9,161
* America's Car-Mart Inc.	178,431	9,002
^ Rent-A-Center Inc.	1,040,777	8,982
* Boot Barn Holdings Inc.	496,586	8,804
News Corp. Class B	544,791	8,771
Haverty Furniture Cos. Inc.	428,962	8,644
* Del Frisco's Restaurant Group Inc.	553,346	8,439
Winmark Corp.	63,178	8,264
*,^ Carvana Co.	350,630	8,040
Cato Corp. Class A	542,921	8,003
Entravision Communications Corp. Class A	1,642,501	7,720
* Potbelly Corp.	631,759	7,613
* Del Taco Restaurants Inc.	715,383	7,411
*,^ Zoe's Kitchen Inc.	499,863	7,218
* tronc Inc.	431,769	7,090
* Drive Shack Inc.	1,462,009	6,988
* 1-800-Flowers.com Inc. Class A	585,063	6,904
RCI Hospitality Holdings Inc.	237,770	6,750
Barnes & Noble Inc.	1,349,297	6,679
Shoe Carnival Inc.	271,864	6,470
* Reading International Inc. Class A	373,363	6,216
Pier 1 Imports Inc.	1,924,117	6,196
*,^ GNC Holdings Inc. Class A	1,599,949	6,176
* PlayAGS Inc.	258,401	6,010
* Bojangles' Inc.	424,423	5,878
Nathan's Famous Inc.	78,056	5,768
Tile Shop Holdings Inc.	950,425	5,703
*,^ Daily Journal Corp.	24,749	5,655
* Clean Energy Fuels Corp.	3,362,440	5,548
*,^ Lands' End Inc.	237,456	5,545
* Barnes & Noble Education Inc.	798,762	5,503
* Lindblad Expeditions Holdings Inc.	529,965	5,443
* Century Casinos Inc.	710,509	5,300
* El Pollo Loco Holdings Inc.	522,466	4,963
* Liberty Media Corp-Liberty Braves Class A	217,655	4,947

Village Super Market Inc. Class A	185,950	4,904
* Habit Restaurants Inc. Class A	548,539	4,827
Speedway Motorsports Inc.	267,517	4,767
*,^ Duluth Holdings Inc.	249,048	4,665
* Gaia Inc. Class A	300,545	4,658
* Fogo De Chao Inc.	294,255	4,635
*,^ Stitch Fix Inc. Class A	225,971	4,583
* Hemisphere Media Group Inc. Class A	405,908	4,566
* Liquidity Services Inc.	697,626	4,535
* Bridgepoint Education Inc. Class A	662,381	4,464
* Avid Technology Inc.	964,656	4,380
CSS Industries Inc.	249,208	4,361
* Cambium Learning Group Inc.	388,531	4,352
Clear Channel Outdoor Holdings Inc. Class A	886,179	4,342
Saga Communications Inc. Class A	115,556	4,304
* Francesca's Holdings Corp.	886,858	4,257
* Red Lion Hotels Corp.	426,571	4,159
*,^ Tuesday Morning Corp.	1,034,055	4,085
* Kirkland's Inc.	396,140	3,839
* J Alexander's Holdings Inc.	329,963	3,778
^ Natural Health Trends Corp.	197,970	3,763
Tilly's Inc. Class A	331,331	3,744
* Smart & Final Stores Inc.	633,691	3,517
^ Big 5 Sporting Goods Corp.	475,843	3,450
Collectors Universe Inc.	211,658	3,325
*,^ Sportsman's Warehouse Holdings Inc.	750,796	3,063
*,^ Boston Omaha Corp. Class A	137,918	3,015
* Build-A-Bear Workshop Inc.	320,259	2,930
* Town Sports International Holdings Inc.	381,513	2,900
* Digital Turbine Inc.	1,437,079	2,889
*,^ Remark Holdings Inc.	492,206	2,796
*,^ Noodles & Co. Class A	366,832	2,770
Marchex Inc. Class B	929,908	2,539
* Vitamin Shoppe Inc.	580,350	2,525
Liberty Tax Inc.	241,260	2,437
*,^ Container Store Group Inc.	440,571	2,397
* New York & Co. Inc.	708,352	2,394
* Leaf Group Ltd.	335,611	2,366
AH Belo Corp. Class A	428,938	2,209
* RealNetworks Inc.	718,845	2,200
*,^ Lee Enterprises Inc.	1,126,859	2,197
* PCM Inc.	246,655	2,047
*,^ Global Eagle Entertainment Inc.	1,375,392	2,022
* Full House Resorts Inc.	629,240	2,020
*,^ Sears Holdings Corp.	706,145	1,885
*,^ Inspired Entertainment Inc.	341,228	1,877
^ Fred's Inc. Class A	626,723	1,874
* TheStreet Inc.	1,030,022	1,844
* Rubicon Project Inc.	1,001,812	1,803
Townsquare Media Inc. Class A	226,296	1,795
* Natural Grocers by Vitamin Cottage Inc.	241,385	1,728
A-Mark Precious Metals Inc.	136,129	1,668
Peak Resorts Inc.	336,921	1,634
*,^ Cogint Inc.	643,142	1,608
* FTD Cos. Inc.	418,249	1,522
* Educational Development Corp.	57,356	1,434
* J. Jill Inc.	322,291	1,425

* ^ Blue Apron Holdings Inc. Class A	699,272	1,399
* EVINE Live Inc.	1,311,246	1,337
^ Stage Stores Inc.	604,914	1,319
* ^ Papa Murphy's Holdings Inc.	267,258	1,299
* Destination XL Group Inc.	740,016	1,295
* ^ Stein Mart Inc.	781,770	1,188
* Urban One Inc.	577,563	1,184
* ^ Profire Energy Inc.	416,126	1,136
* Travelzoo	152,382	1,105
Salem Media Group Inc. Class A	304,136	1,095
Wayside Technology Group Inc.	82,067	1,067
Ark Restaurants Corp.	41,710	1,001
* Ascent Capital Group Inc. Class A	260,147	957
* Bravo Brio Restaurant Group Inc.	238,286	953
Dover Motorsports Inc.	442,500	929
* ^ McClatchy Co. Class A	96,865	896
Beasley Broadcast Group Inc. Class A	76,851	868
* Luby's Inc.	308,772	858
* AutoWeb Inc.	283,057	844
* ^ Chicken Soup For The Soul Entertainment Inc.	116,305	828
* ^ Destination Maternity Corp.	296,396	768
* Emmis Communications Corp. Class A	166,128	766
Harte-Hanks Inc.	78,963	728
* Nevada Gold & Casinos Inc.	313,955	688
* ^ Famous Dave's of America Inc.	94,194	669
* ^ Social Reality Inc.	147,420	565
* ONE Group Hospitality Inc.	197,752	544
* ^ Red Violet Inc.	85,752	523
* Christopher & Banks Corp.	451,842	483
* ^ Good Times Restaurants Inc.	154,244	470
Canterbury Park Holding Corp.	31,705	458
* ^ Interpace Diagnostics Group Inc.	504,537	445
* ^ Sears Hometown and Outlet Stores Inc.	125,995	378
* ^ Ifresh Inc.	39,610	325
* ^ Kona Grill Inc.	161,160	306
* Rush Enterprises Inc. Class B	7,149	289
* ^ Live Ventures Inc.	18,652	227
National American University Holdings Inc.	170,808	222
* ^ Genius Brands International Inc.	68,896	189
Value Line Inc.	9,438	173
* Diversified Restaurant Holdings Inc.	126,397	171
* Spark Networks SE ADR	11,270	168
* Insignia Systems Inc.	96,450	152
Gaming Partners International Corp.	13,878	137
* Dover Downs Gaming & Entertainment Inc.	102,519	136
* ^ SPAR Group Inc.	98,012	135
* ^ Rave Restaurant Group Inc.	109,555	135
* ^ Eastside Distilling Inc.	19,312	134
^ FAT Brands Inc.	5,432	36
* NTN Buzztime Inc.	4,842	33
* Youngevity International Inc.	7,184	30
Haverty Furniture Cos. Inc. Class A	1,375	28
Viacom Inc. Class A	300	12
* YogaWorks Inc.	3,300	9
* 2 Universal Travel Group	42,843	7
* DGSE Cos. Inc.	2,900	2
* Urban One Inc. Class A	950	2

* RLJ Entertainment Inc.

300

1

87,353,595

Financials (20.4%)

JPMorgan Chase & Co.	85,597,224	9,413,127
* Berkshire Hathaway Inc. Class B	46,593,241	9,294,420
Bank of America Corp.	240,033,563	7,198,607
Wells Fargo & Co.	109,339,917	5,730,505
Visa Inc. Class A	44,478,616	5,320,532
Citigroup Inc.	65,217,396	4,402,174
Mastercard Inc. Class A	23,034,758	4,034,768
Goldman Sachs Group Inc.	8,372,260	2,108,637
US Bancorp	38,711,467	1,954,929
Morgan Stanley	33,439,795	1,804,411
PNC Financial Services Group Inc.	11,146,231	1,685,756
American Express Co.	16,972,434	1,583,189
American Tower Corp.	10,879,233	1,581,188
Charles Schwab Corp.	29,896,672	1,561,204
BlackRock Inc.	2,769,607	1,500,352
Chubb Ltd.	10,870,486	1,486,756
CME Group Inc.	8,394,881	1,357,788
Simon Property Group Inc.	7,904,486	1,220,057
American International Group Inc.	22,254,177	1,211,072
S&P Global Inc.	6,264,649	1,196,924
Bank of New York Mellon Corp.	22,501,106	1,159,482
Capital One Financial Corp.	11,994,824	1,149,344
Crown Castle International Corp.	10,231,415	1,121,465
Prudential Financial Inc.	10,401,875	1,077,114
Intercontinental Exchange Inc.	14,368,145	1,041,978
Marsh & McLennan Cos. Inc.	12,523,395	1,034,307
BB&T Corp.	19,190,704	998,684
MetLife Inc.	20,584,830	944,638
Travelers Cos. Inc.	6,690,685	929,069
Progressive Corp.	14,362,756	875,123
State Street Corp.	8,619,018	859,575
Aon plc	6,073,375	852,277
Aflac Inc.	19,236,504	841,789
Allstate Corp.	8,748,745	829,381
Prologis Inc.	13,076,441	823,685
Equinix Inc.	1,930,405	807,180
SunTrust Banks Inc.	11,610,599	789,985
Public Storage	3,647,861	730,995
Weyerhaeuser Co.	18,648,637	652,702
Moody's Corp.	4,008,725	646,607
Discover Financial Services	8,747,179	629,185
T. Rowe Price Group Inc.	5,724,119	618,033
M&T Bank Corp.	3,337,071	615,222
Synchrony Financial	18,333,282	614,715
AvalonBay Communities Inc.	3,407,020	560,319
Equity Residential	9,080,180	559,521
Northern Trust Corp.	5,330,350	549,719
Fifth Third Bancorp	17,124,845	543,714
Ameriprise Financial Inc.	3,646,406	539,449
Digital Realty Trust Inc.	5,072,392	534,529
Regions Financial Corp.	28,571,206	530,853
KeyCorp	26,503,150	518,137
Citizens Financial Group Inc.	12,006,488	504,032
Welltower Inc.	9,137,178	497,337

* SBA Communications Corp. Class A	2,900,110	495,687
Willis Towers Watson plc	3,256,944	495,674
Boston Properties Inc.	3,811,358	469,636
* IHS Markit Ltd.	9,422,671	454,550
Hartford Financial Services Group Inc.	8,793,377	453,035
Ventas Inc.	8,790,772	435,407
Principal Financial Group Inc.	7,135,283	434,610
TD Ameritrade Holding Corp.	7,002,548	414,761
Comerica Inc.	4,274,459	410,049
Huntington Bancshares Inc.	27,130,298	409,668
Lincoln National Corp.	5,377,215	392,859
Essex Property Trust Inc.	1,629,750	392,248
* Markel Corp.	326,677	382,294
First Republic Bank	3,960,957	366,824
* E*TRADE Financial Corp.	6,563,948	363,708
Realty Income Corp.	7,008,279	362,538
* CBRE Group Inc. Class A	7,505,093	354,391
XL Group Ltd.	6,313,940	348,908
Equifax Inc.	2,959,821	348,697
Loews Corp.	6,894,958	342,886
Host Hotels & Resorts Inc.	18,225,506	339,723
MSCI Inc. Class A	2,223,291	332,315
Invesco Ltd.	10,015,345	320,591
Cboe Global Markets Inc.	2,775,762	316,714
GGP Inc.	15,362,976	314,327
* SVB Financial Group	1,301,821	312,450
Alexandria Real Estate Equities Inc.	2,494,465	311,534
Arthur J Gallagher & Co.	4,467,539	307,054
Annaly Capital Management Inc.	28,560,704	297,888
* Berkshire Hathaway Inc. Class A	984	294,314
Ally Financial Inc.	10,723,311	291,138
Raymond James Financial Inc.	3,231,860	288,961
Cincinnati Financial Corp.	3,852,187	286,063
Vornado Realty Trust	4,221,016	284,074
Franklin Resources Inc.	8,158,847	282,949
* Arch Capital Group Ltd.	3,203,732	274,207
HCP Inc.	11,588,331	269,197
SEI Investments Co.	3,495,980	261,884
* Liberty Broadband Corp.	3,042,518	260,713
Unum Group	5,455,600	259,741
Affiliated Managers Group Inc.	1,370,076	259,739
Everest Re Group Ltd.	1,007,205	258,670
Zions Bancorporation	4,892,448	257,979
Extra Space Storage Inc.	2,952,382	257,920
FNF Group	6,399,840	256,122
Mid-America Apartment Communities Inc.	2,803,987	255,836
Nasdaq Inc.	2,869,865	247,440
Reinsurance Group of America Inc. Class A	1,585,636	244,188
UDR Inc.	6,620,270	235,814
SL Green Realty Corp.	2,432,171	235,507
Duke Realty Corp.	8,791,453	232,798
Torchmark Corp.	2,688,005	226,249
Regency Centers Corp.	3,807,381	224,559
Voya Financial Inc.	4,424,224	223,423
East West Bancorp Inc.	3,572,416	223,419
Alleghany Corp.	361,227	221,952
Iron Mountain Inc.	6,695,832	220,025

Western Union Co.	11,311,841	217,527
Federal Realty Investment Trust	1,807,747	209,898
American Financial Group Inc.	1,743,294	195,632
Jones Lang LaSalle Inc.	1,118,059	195,258
Macerich Co.	3,483,239	195,131
Camden Property Trust	2,291,848	192,928
MarketAxess Holdings Inc.	883,108	192,023
* Athene Holding Ltd. Class A	3,832,040	183,210
* Signature Bank	1,282,187	182,006
AGNC Investment Corp.	9,590,858	181,459
Equity LifeStyle Properties Inc.	1,973,866	173,246
Kilroy Realty Corp.	2,438,785	173,056
Lazard Ltd. Class A	3,198,805	168,129
VEREIT Inc.	24,014,763	167,143
WP Carey Inc.	2,665,582	165,239
WR Berkley Corp.	2,251,258	163,666
Sun Communities Inc.	1,779,403	162,584
Invitation Homes Inc.	7,020,291	160,273
CIT Group Inc.	3,084,683	158,861
Apartment Investment & Management Co.	3,872,335	157,798
PacWest Bancorp	3,185,347	157,770
People's United Financial Inc.	8,451,518	157,705
Eaton Vance Corp.	2,759,048	153,596
* Black Knight Inc.	3,247,331	152,949
First American Financial Corp.	2,605,309	152,880
First Horizon National Corp.	8,004,377	150,722
Gaming and Leisure Properties Inc.	4,501,737	150,673
Cullen/Frost Bankers Inc.	1,417,402	150,344
National Retail Properties Inc.	3,801,682	149,254
New York Community Bancorp Inc.	11,406,089	148,621
Brown & Brown Inc.	5,825,996	148,213
Janus Henderson Group plc	4,452,895	147,346
Douglas Emmett Inc.	3,993,269	146,793
Bank of the Ozarks	3,001,385	144,877
Liberty Property Trust	3,630,126	144,225
Kimco Realty Corp.	9,977,256	143,673
Commerce Bancshares Inc.	2,386,168	142,955
Synovus Financial Corp.	2,793,137	139,489
RenaissanceRe Holdings Ltd.	987,714	136,808
* Zillow Group Inc.	2,542,821	136,804
* Western Alliance Bancorp	2,349,574	136,534
New Residential Investment Corp.	8,225,864	135,315
Healthcare Trust of America Inc. Class A	5,073,247	134,187
* Howard Hughes Corp.	954,071	132,740
Starwood Property Trust Inc.	6,333,790	132,693
^ Omega Healthcare Investors Inc.	4,890,953	132,251
Lamar Advertising Co. Class A	2,073,435	131,995
Old Republic International Corp.	6,148,051	131,876
DCT Industrial Trust Inc.	2,319,206	130,664
American Campus Communities Inc.	3,377,631	130,444
LPL Financial Holdings Inc.	2,105,421	128,578
CubeSmart	4,493,800	126,725
Webster Financial Corp.	2,281,099	126,373
Hudson Pacific Properties Inc.	3,860,717	125,589
Validus Holdings Ltd.	1,856,068	125,192
American Homes 4 Rent Class A	6,182,528	124,145
Hanover Insurance Group Inc.	1,048,821	123,646

Forest City Realty Trust Inc. Class A	6,055,249	122,679
CyrusOne Inc.	2,376,658	121,709
* Brighthouse Financial Inc.	2,367,285	121,678
Park Hotels & Resorts Inc.	4,446,328	120,140
* GCI Liberty Inc. - Class A	2,257,908	119,353
Wintrust Financial Corp.	1,386,466	119,305
Prosperity Bancshares Inc.	1,640,815	119,172
Sterling Bancorp	5,283,279	119,138
* MGIC Investment Corp.	9,153,212	118,992
Assurant Inc.	1,300,333	118,863
Pinnacle Financial Partners Inc.	1,825,204	117,178
Medical Properties Trust Inc.	8,986,288	116,822
Umpqua Holdings Corp.	5,440,348	116,478
Brixmor Property Group Inc.	7,517,272	114,638
Interactive Brokers Group Inc.	1,673,040	112,495
Axis Capital Holdings Ltd.	1,952,974	112,433
Rayonier Inc.	3,188,929	112,187
Highwoods Properties Inc.	2,533,259	111,007
*,^ Credit Acceptance Corp.	333,352	110,143
* Texas Capital Bancshares Inc.	1,220,207	109,697
Hancock Holding Co.	2,097,914	108,462
STORE Capital Corp.	4,297,910	106,674
FNB Corp.	7,927,538	106,625
Primerica Inc.	1,094,484	105,727
Associated Banc-Corp	4,252,854	105,683
BankUnited Inc.	2,636,361	105,402
Popular Inc.	2,524,277	105,060
IBERIABANK Corp.	1,336,438	104,242
Radian Group Inc.	5,331,455	101,511
EPR Properties	1,812,896	100,434
Assured Guaranty Ltd.	2,757,226	99,812
Hospitality Properties Trust	3,855,358	97,695
Chemical Financial Corp.	1,763,941	96,452
Valley National Bancorp	7,727,443	96,284
Life Storage Inc.	1,146,690	95,772
Stifel Financial Corp.	1,606,034	95,125
Apple Hospitality REIT Inc.	5,350,925	94,016
* Essent Group Ltd.	2,180,624	92,807
Senior Housing Properties Trust	5,888,783	92,218
* Equity Commonwealth	2,999,083	91,982
Realogy Holdings Corp.	3,348,730	91,353
Cousins Properties Inc.	10,338,116	89,735
JBG SMITH Properties	2,650,953	89,364
FirstCash Inc.	1,098,535	89,256
CNO Financial Group Inc.	4,101,125	88,871
Home BancShares Inc.	3,889,169	88,712
Selective Insurance Group Inc.	1,451,725	88,120

Bank of Hawaii Corp.	1,053,484	87,545
United Bankshares Inc.	2,477,131	87,319
Investors Bancorp Inc.	6,398,046	87,269
TCF Financial Corp.	3,795,523	86,576
Spirit Realty Capital Inc.	11,126,436	86,341
First Industrial Realty Trust Inc.	2,946,530	86,127
Healthcare Realty Trust Inc.	3,097,985	85,845
Navient Corp.	6,533,469	85,719
Gramercy Property Trust	3,938,091	85,575
Legg Mason Inc.	2,103,453	85,505

Weingarten Realty Investors	3,017,705	84,737
Sunstone Hotel Investors Inc.	5,552,925	84,516
CoreSite Realty Corp.	842,507	84,470
RLJ Lodging Trust	4,317,944	83,941
Ryman Hospitality Properties Inc.	1,073,566	83,148
Taubman Centers Inc.	1,428,316	81,285
UMB Financial Corp.	1,120,743	81,131
BGC Partners Inc. Class A	6,031,561	81,125
LaSalle Hotel Properties	2,785,873	80,818
Colony NorthStar Inc. Class A	14,368,920	80,753
MB Financial Inc.	1,978,067	80,072
* Zillow Group Inc. Class A	1,466,287	79,180
Blackstone Mortgage Trust Inc. Class A	2,486,533	78,127
Sabra Health Care REIT Inc.	4,406,330	77,772
Fulton Financial Corp.	4,376,194	77,677
* HealthEquity Inc.	1,275,909	77,244
Cathay General Bancorp	1,920,479	76,781
PotlatchDeltic Corp.	1,470,176	76,523
Chimera Investment Corp.	4,377,823	76,218
Columbia Banking System Inc.	1,812,472	76,033
BancorpSouth Bank	2,378,731	75,644
Glacier Bancorp Inc.	1,956,081	75,074
Federated Investors Inc. Class B	2,232,524	74,566
South State Corp.	873,004	74,467
MFA Financial Inc.	9,817,720	73,927
Washington Federal Inc.	2,136,195	73,912
* SLM Corp.	6,544,239	73,361
First Financial Bankshares Inc.	1,573,983	72,875
* Green Dot Corp. Class A	1,135,494	72,853
Erie Indemnity Co. Class A	613,364	72,156
Paramount Group Inc.	5,060,714	72,065
White Mountains Insurance Group Ltd.	85,663	70,460
Brandywine Realty Trust	4,367,034	69,349
Physicians Realty Trust	4,414,144	68,728
EastGroup Properties Inc.	815,841	67,437
Community Bank System Inc.	1,257,568	67,355
Corporate Office Properties Trust	2,605,669	67,304
^ Uniti Group Inc.	4,122,025	66,983
Evercore Inc. Class A	756,596	65,975
Aspen Insurance Holdings Ltd.	1,467,555	65,820
National Health Investors Inc.	977,604	65,783
Empire State Realty Trust Inc.	3,912,032	65,683
RLI Corp.	1,035,084	65,614
Two Harbors Investment Corp.	4,239,941	65,168
Retail Properties of America Inc.	5,527,227	64,447
ProAssurance Corp.	1,325,803	64,368
Outfront Media Inc.	3,411,074	63,924
First Citizens BancShares Inc. Class A	153,069	63,254
First Midwest Bancorp Inc.	2,555,337	62,836
GEO Group Inc.	3,066,968	62,781
* Blackhawk Network Holdings Inc.	1,394,031	62,313
Old National Bancorp	3,670,972	62,039
Piedmont Office Realty Trust Inc. Class A	3,498,639	61,541
American Equity Investment Life Holding Co.	2,095,624	61,528
Education Realty Trust Inc.	1,875,757	61,431
Columbia Property Trust Inc.	2,946,459	60,285
Great Western Bancorp Inc.	1,483,638	59,746

CVB Financial Corp.	2,634,660	59,649
Union Bankshares Corp.	1,623,805	59,610
BOK Financial Corp.	592,731	58,674
Hope Bancorp Inc.	3,214,747	58,476
Simmons First National Corp. Class A	2,055,251	58,472
United Community Banks Inc.	1,845,118	58,398
Pebblebrook Hotel Trust	1,692,235	58,128
*,^ LendingTree Inc.	177,021	58,089
STAG Industrial Inc.	2,397,086	57,338
CoreCivic Inc.	2,927,744	57,150
*,^ Bofl Holding Inc.	1,391,999	56,418
Rexford Industrial Realty Inc.	1,940,339	55,862
* OneMain Holdings Inc.	1,853,119	55,482
Kennedy-Wilson Holdings Inc.	3,171,354	55,182
International Bancshares Corp.	1,403,996	54,615
Urban Edge Properties	2,555,512	54,560
Financial Engines Inc.	1,556,344	54,472
PS Business Parks Inc.	481,810	54,464
Kemper Corp.	951,402	54,230
DDR Corp.	7,346,222	53,848
Apollo Commercial Real Estate Finance Inc.	2,971,844	53,434
Washington REIT	1,956,500	53,412
* FCB Financial Holdings Inc. Class A	1,044,678	53,383
Xenia Hotels & Resorts Inc.	2,664,790	52,550
DiamondRock Hospitality Co.	4,921,136	51,377
^ Tanger Factory Outlet Centers Inc.	2,326,115	51,175
Acadia Realty Trust	2,075,374	51,054
Trustmark Corp.	1,622,647	50,562
First Merchants Corp.	1,212,477	50,560
* Enstar Group Ltd.	239,039	50,258
Renasant Corp.	1,175,336	50,022
Moelis & Co. Class A	980,667	49,867
* HRG Group Inc.	2,996,089	49,406
Independent Bank Corp.	680,222	48,670
LegacyTexas Financial Group Inc.	1,136,040	48,645
Retail Opportunity Investments Corp.	2,745,887	48,520
* Eagle Bancorp Inc.	808,173	48,369
Ameris Bancorp	890,814	47,124
Towne Bank	1,608,722	46,009
Terreno Realty Corp.	1,332,806	45,995
Argo Group International Holdings Ltd.	795,424	45,657
ServisFirst Bancshares Inc.	1,117,819	45,629
Banner Corp.	816,422	45,303
* Quality Care Properties Inc.	2,326,918	45,212
HFF Inc. Class A	903,568	44,907
WesBanco Inc.	1,047,653	44,316
Invesco Mortgage Capital Inc.	2,685,963	43,996
* Pacific Premier Bancorp Inc.	1,087,247	43,707

Santander Consumer USA Holdings Inc.	2,671,508	43,546
Horace Mann Educators Corp.	1,007,254	43,060
First Financial Bancorp	1,464,793	42,992
Lexington Realty Trust	5,393,230	42,445
Hilltop Holdings Inc.	1,797,502	42,169
CenterState Bank Corp.	1,578,297	41,872
Walker & Dunlop Inc.	689,875	40,992
* PRA Group Inc.	1,063,971	40,431
Virtu Financial Inc. Class A	1,218,190	40,200

First Hawaiian Inc.	1,412,492	39,310
Artisan Partners Asset Management Inc. Class A	1,179,019	39,261
Waddell & Reed Financial Inc. Class A	1,942,315	39,254
Chesapeake Lodging Trust	1,403,276	39,025
Alexander & Baldwin Inc.	1,686,168	39,001
QTS Realty Trust Inc. Class A	1,059,707	38,383
Capitol Federal Financial Inc.	3,086,927	38,124
Northwest Bancshares Inc.	2,288,593	37,899
Provident Financial Services Inc.	1,468,323	37,574
LTC Properties Inc.	981,804	37,309
WSFS Financial Corp.	775,619	37,152
NBT Bancorp Inc.	1,035,969	36,756
Westamerica Bancorporation	623,092	36,189
Berkshire Hills Bancorp Inc.	950,215	36,061
Heartland Financial USA Inc.	670,783	35,585
Navigators Group Inc.	616,784	35,558
* FGL Holdings	3,493,823	35,462
Four Corners Property Trust Inc.	1,529,713	35,321
National General Holdings Corp.	1,446,739	35,170
Summit Hotel Properties Inc.	2,563,489	34,889
* Genworth Financial Inc. Class A	12,294,659	34,794
Agree Realty Corp.	724,158	34,789
Park National Corp.	330,382	34,280
Houlihan Lokey Inc. Class A	764,773	34,109
VICI Properties Inc.	1,860,149	34,078
Mack-Cali Realty Corp.	2,016,103	33,689
First Commonwealth Financial Corp.	2,384,195	33,689
Government Properties Income Trust	2,436,087	33,277
S&T Bancorp Inc.	831,754	33,220
American Assets Trust Inc.	982,818	32,836
AmTrust Financial Services Inc.	2,660,151	32,746
* LendingClub Corp.	9,285,392	32,499
First Busey Corp.	1,071,306	31,839
* Cannae Holdings Inc.	1,663,231	31,369
Kite Realty Group Trust	2,052,736	31,263
Employers Holdings Inc.	772,832	31,261
* Third Point Reinsurance Ltd.	2,239,594	31,242
Mercury General Corp.	678,231	31,110
Independent Bank Group Inc.	437,912	30,960
National Storage Affiliates Trust	1,232,683	30,916
* First BanCorp	5,108,404	30,753
Washington Prime Group Inc.	4,600,878	30,688
Select Income REIT	1,566,205	30,510
Sandy Spring Bancorp Inc.	775,160	30,045
Infinity Property & Casualty Corp.	252,598	29,908
Boston Private Financial Holdings Inc.	1,985,882	29,888
First Interstate BancSystem Inc. Class A	755,606	29,884
Piper Jaffray Cos.	356,321	29,592
Brookline Bancorp Inc.	1,811,199	29,341
Redwood Trust Inc.	1,894,347	29,306
Ladder Capital Corp. Class A	1,927,146	29,061
* Seacoast Banking Corp. of Florida	1,095,598	29,001
State Bank Financial Corp.	918,151	27,554
Lakeland Financial Corp.	594,622	27,489
Global Net Lease Inc.	1,624,954	27,429
Tompkins Financial Corp.	360,568	27,317
Monmouth Real Estate Investment Corp.	1,809,692	27,218

Safety Insurance Group Inc.	352,844	27,116
* Encore Capital Group Inc.	599,480	27,097
PennyMac Mortgage Investment Trust	1,496,170	26,976
Beneficial Bancorp Inc.	1,692,776	26,323
AMERISAFE Inc.	475,477	26,270
WisdomTree Investments Inc.	2,857,080	26,199
RE/MAX Holdings Inc. Class A	433,294	26,193
First Bancorp	733,512	26,150
OceanFirst Financial Corp.	972,047	26,002
NRG Yield Inc.	1,504,507	25,577
Heritage Financial Corp.	835,608	25,570
CYS Investments Inc.	3,789,420	25,465
City Holding Co.	371,285	25,455
Enterprise Financial Services Corp.	536,691	25,171
CareTrust REIT Inc.	1,876,703	25,148
* NMI Holdings Inc. Class A	1,495,644	24,753
Meta Financial Group Inc.	225,493	24,624
MainSource Financial Group Inc.	602,939	24,509
Kinsale Capital Group Inc.	476,328	24,450
Universal Insurance Holdings Inc.	765,601	24,423
American National Insurance Co.	207,956	24,323
Southside Bancshares Inc.	698,026	24,249
Meridian Bancorp Inc.	1,195,623	24,092
Stewart Information Services Corp.	546,540	24,015
Ramco-Gershenson Properties Trust	1,941,102	23,992
Hannon Armstrong Sustainable Infrastructure Capital Inc.	1,230,336	23,992
United Fire Group Inc.	490,450	23,473
ARMOUR Residential REIT Inc.	1,000,074	23,282
Hanmi Financial Corp.	756,725	23,269
National Bank Holdings Corp. Class A	699,445	23,257
Kearny Financial Corp.	1,787,351	23,236
BancFirst Corp.	432,356	22,958
Lakeland Bancorp Inc.	1,136,122	22,552
^ Seritage Growth Properties Class A	628,750	22,352
Americold Realty Trust	1,167,669	22,279
TFS Financial Corp.	1,492,151	21,920
James River Group Holdings Ltd.	612,410	21,722
Tier REIT Inc.	1,174,009	21,696
ConnectOne Bancorp Inc.	751,502	21,643
Easterly Government Properties Inc.	1,053,486	21,491
Chatham Lodging Trust	1,117,759	21,405
*,^ Redfin Corp.	937,159	21,395
TPG RE Finance Trust Inc.	1,070,751	21,297
Franklin Street Properties Corp.	2,512,440	21,130
PJT Partners Inc.	421,734	21,129
Preferred Bank	327,797	21,045

Virtus Investment Partners Inc.	169,529	20,988
Cohen & Steers Inc.	514,289	20,911
Bryn Mawr Bank Corp.	470,571	20,682
Central Pacific Financial Corp.	710,665	20,226
Capstead Mortgage Corp.	2,333,579	20,185
United Financial Bancorp Inc.	1,243,834	20,150
* Customers Bancorp Inc.	687,772	20,049
Banc of California Inc.	1,038,656	20,046
*,^ MBIA Inc.	2,161,351	20,014
Cadence BanCorp Class A	734,968	20,013
Getty Realty Corp.	782,873	19,744

Alexander's Inc.	51,620	19,679
MTGE Investment Corp.	1,090,401	19,518
Independence Realty Trust Inc.	2,095,330	19,235
TrustCo Bank Corp. NY	2,273,847	19,214
InfraREIT Inc.	970,922	18,865
Univest Corp. of Pennsylvania	679,097	18,811
Washington Trust Bancorp Inc.	348,606	18,738
TriCo Bancshares	503,074	18,724
CoBiz Financial Inc.	953,946	18,697
Universal Health Realty Income Trust	306,496	18,420
* Flagstar Bancorp Inc.	513,393	18,174
Carolina Financial Corp.	462,485	18,166
* Liberty Broadband Corp. Class A	212,770	18,043
* Triumph Bancorp Inc.	434,635	17,907
* HomeStreet Inc.	623,796	17,872
* St. Joe Co.	945,308	17,819
Stock Yards Bancorp Inc.	506,230	17,769
Horizon Bancorp	586,714	17,607
Flushing Financial Corp.	652,470	17,591
Nelnet Inc. Class A	331,850	17,392
Live Oak Bancshares Inc.	616,169	17,130
FBL Financial Group Inc. Class A	246,906	17,123
Hersha Hospitality Trust Class A	948,706	16,982
^ CBL & Associates Properties Inc.	4,051,894	16,896
* Enova International Inc.	758,131	16,717
Community Trust Bancorp Inc.	369,651	16,708
National Western Life Group Inc. Class A	54,555	16,633
Diamond Hill Investment Group Inc.	79,399	16,401
New Senior Investment Group Inc.	1,999,495	16,356
Granite Point Mortgage Trust Inc.	987,226	16,329
German American Bancorp Inc.	487,123	16,246
Camden National Corp.	365,030	16,244
Federal Agricultural Mortgage Corp.	186,199	16,203
* iStar Inc.	1,588,736	16,157
^ Pennsylvania REIT	1,669,694	16,113
Guaranty Bancorp	567,171	16,079
Northfield Bancorp Inc.	1,026,309	16,021
^ New York Mortgage Trust Inc.	2,651,005	15,720
Investors Real Estate Trust	3,002,255	15,582
* INTL. FCStone Inc.	364,656	15,564
NRG Yield Inc. Class A	938,708	15,432
Heritage Commerce Corp.	932,251	15,364
Opus Bank	548,499	15,358
* Marcus & Millichap Inc.	422,443	15,233
* National Commerce Corp.	348,937	15,196
Saul Centers Inc.	297,927	15,185
* EZCORP Inc. Class A	1,144,467	15,107
Investment Technology Group Inc.	764,201	15,085
Oritani Financial Corp.	969,191	14,877
CatchMark Timber Trust Inc. Class A	1,187,595	14,809
Ashford Hospitality Trust Inc.	2,290,784	14,798
Armada Hoffer Properties Inc.	1,077,326	14,749
* Veritex Holdings Inc.	530,839	14,688
* First Foundation Inc.	791,510	14,675
First of Long Island Corp.	530,971	14,575
BBX Capital Corp. Class A	1,576,293	14,518
Bridge Bancorp Inc.	432,588	14,513

QCR Holdings Inc.	323,541	14,511
Peoples Bancorp Inc.	408,532	14,482
Urstadt Biddle Properties Inc. Class A	748,556	14,447
Great Southern Bancorp Inc.	270,383	13,506
* Nationstar Mortgage Holdings Inc.	751,416	13,495
Dime Community Bancshares Inc.	729,192	13,417
* Bancorp Inc.	1,228,838	13,271
* Green Bancorp Inc.	590,373	13,136
*,^ Willscot Corp.	957,292	13,067
Preferred Apartment Communities Inc. Class A	908,244	12,888
Peapack Gladstone Financial Corp.	383,559	12,807
* TriState Capital Holdings Inc.	539,331	12,539
First Defiance Financial Corp.	218,232	12,509
Fidelity Southern Corp.	539,264	12,441
Mercantile Bank Corp.	373,918	12,433
* FB Financial Corp.	301,492	12,238
* Equity Bancshares Inc. Class A	311,573	12,201
Blue Hills Bancorp Inc.	572,265	11,932
* World Acceptance Corp.	111,379	11,728
RMR Group Inc. Class A	167,646	11,727
AG Mortgage Investment Trust Inc.	674,552	11,717
Gladstone Commercial Corp.	672,675	11,664
* Greenlight Capital Re Ltd. Class A	723,849	11,618
KKR Real Estate Finance Trust Inc.	578,229	11,599
Anworth Mortgage Asset Corp.	2,402,741	11,533
* PennyMac Financial Services Inc. Class A	509,128	11,532
Independent Bank Corp.	502,500	11,507
OFG Bancorp	1,099,006	11,485
Maiden Holdings Ltd.	1,758,736	11,432
State Auto Financial Corp.	396,273	11,322
Community Healthcare Trust Inc.	439,684	11,317
Midland States Bancorp Inc.	358,298	11,308
* Ocwen Financial Corp.	2,722,753	11,218
Front Yard Residential Corp.	1,101,414	11,069
CorEnergy Infrastructure Trust Inc.	293,933	11,034
United Insurance Holdings Corp.	576,117	11,027
United Community Financial Corp.	1,112,769	10,972
^ Orchid Island Capital Inc.	1,481,718	10,920
First Community Bancshares Inc.	363,323	10,845
* Allegiance Bancshares Inc.	276,799	10,837
Westwood Holdings Group Inc.	189,492	10,704
Waterstone Financial Inc.	617,183	10,677
People's Utah Bancorp	330,439	10,673
* Nicolet Bankshares Inc.	190,648	10,499
Bank of Marin Bancorp	152,238	10,497
* HomeTrust Bancshares Inc.	401,667	10,463
NexPoint Residential Trust Inc.	420,244	10,439
* Republic First Bancorp Inc.	1,198,992	10,431
Arbor Realty Trust Inc.	1,178,116	10,391
UMH Properties Inc.	773,782	10,376

Dynex Capital Inc.	1,544,653	10,241
Financial Institutions Inc.	343,385	10,164
* Industrial Logistics Properties Trust	499,560	10,161
* Atlantic Capital Bancshares Inc.	559,134	10,120
Arrow Financial Corp.	296,430	10,064
CNB Financial Corp.	342,777	9,971
First Financial Corp.	238,702	9,930

* Franklin Financial Network Inc.	302,096	9,848
* Tejon Ranch Co.	422,457	9,763
Old Second Bancorp Inc.	699,050	9,717
Clifton Bancorp Inc.	614,736	9,621
Western Asset Mortgage Capital Corp.	991,945	9,612
Bar Harbor Bankshares	342,046	9,482
* FRP Holdings Inc.	169,293	9,480
Access National Corp.	327,004	9,329
City Office REIT Inc.	806,299	9,321
Hamilton Lane Inc. Class A	248,148	9,239
Whitestone REIT	872,349	9,064
* PCSB Financial Corp.	425,223	8,921
MidWestOne Financial Group Inc.	267,608	8,909
* Ambac Financial Group Inc.	567,760	8,902
MedEquities Realty Trust Inc.	843,567	8,866
*,^ New York REIT Inc.	412,129	8,865
^ Greenhill & Co. Inc.	473,983	8,769
1st Source Corp.	172,849	8,750
* Newmark Group Inc. Class A	573,179	8,707
Arlington Asset Investment Corp. Class A	779,036	8,601
First Bancshares Inc.	262,721	8,473
* Cowen Inc. Class A	633,785	8,366
Cedar Realty Trust Inc.	2,119,588	8,351
West Bancorporation Inc.	324,143	8,298
Resource Capital Corp.	872,541	8,298
^ Heritage Insurance Holdings Inc.	546,865	8,290
Ares Commercial Real Estate Corp.	664,602	8,208
One Liberty Properties Inc.	370,942	8,198
Cambridge Bancorp	93,227	8,134
Ashford Hospitality Prime Inc.	827,917	8,047
First Mid-Illinois Bancshares Inc.	220,488	8,037
First Internet Bancorp	216,867	8,024
Ladenburg Thalmann Financial Services Inc.	2,430,270	7,947
First Connecticut Bancorp Inc.	309,141	7,914
HCI Group Inc.	207,194	7,907
^ Farmers & Merchants Bancorp Inc.	195,645	7,898
* Byline Bancorp Inc.	340,312	7,803
Farmers National Banc Corp.	561,300	7,774
Sierra Bancorp	290,674	7,744
Home Bancorp Inc.	177,914	7,681
Western New England Bancorp Inc.	718,434	7,651
*,^ Health Insurance Innovations Inc. Class A	264,035	7,631
Cherry Hill Mortgage Investment Corp.	434,742	7,625
Old Line Bancshares Inc.	229,302	7,567
Global Indemnity Ltd.	218,560	7,545
Republic Bancorp Inc. Class A	196,945	7,543
* On Deck Capital Inc.	1,344,153	7,514
American National Bankshares Inc.	198,703	7,471
* Regional Management Corp.	232,139	7,391
Jernigan Capital Inc.	407,067	7,368

* ^ Citizens Inc. Class A	980,141	7,175
^ Farmland Partners Inc.	858,297	7,167
* WMIH Corp.	5,019,904	7,128
Farmers Capital Bank Corp.	178,150	7,117
* Safeguard Scientifics Inc.	576,623	7,064
* Southern First Bancshares Inc.	155,668	6,927
Territorial Bancorp Inc.	233,117	6,914

Hingham Institution for Savings	33,478	6,896
National Bankshares Inc.	153,006	6,893
* BSB Bancorp Inc.	224,462	6,869
Peoples Financial Services Corp.	149,737	6,836
Sutherland Asset Management Corp.	450,108	6,819
PICO Holdings Inc.	594,034	6,802
Southern National Bancorp of Virginia Inc.	428,883	6,794
RBB Bancorp	255,166	6,729
Enterprise Bancorp Inc.	190,131	6,710
Merchants Bancorp	305,962	6,578
Charter Financial Corp.	320,857	6,542
First Bancorp Inc.	233,325	6,528
Marlin Business Services Corp.	229,974	6,520
Capital City Bank Group Inc.	261,465	6,471
Shore Bancshares Inc.	339,022	6,394
* eHealth Inc.	446,342	6,387
Southern Missouri Bancorp Inc.	173,081	6,335
Oppenheimer Holdings Inc. Class A	244,930	6,307
*,^ Altisource Portfolio Solutions SA	236,564	6,283
EMC Insurance Group Inc.	231,249	6,262
* HarborOne Bancorp Inc.	354,148	6,254
Consolidated-Tomoka Land Co.	99,201	6,235
Great Ajax Corp.	457,921	6,205
Baldwin & Lyons Inc.	276,937	6,093
BankFinancial Corp.	357,091	6,063
Guaranty Bancshares Inc.	181,251	6,037
Summit Financial Group Inc.	237,378	5,937
First Bank	411,460	5,925
FNB Bancorp	160,994	5,923
Citizens & Northern Corp.	252,970	5,841
Macatawa Bank Corp.	567,501	5,828
Investors Title Co.	29,098	5,817
* MoneyGram International Inc.	659,681	5,686
Ames National Corp.	205,571	5,653
Northrim BanCorp Inc.	162,010	5,597
MutualFirst Financial Inc.	152,328	5,522
Century Bancorp Inc. Class A	69,532	5,521
^ Bluerock Residential Growth REIT Inc. Class A	640,039	5,440
Bankwell Financial Group Inc.	164,499	5,310
*,^ Forestar Group Inc.	250,927	5,307
FS Bancorp Inc.	98,526	5,271
BCB Bancorp Inc.	336,703	5,269
Codorus Valley Bancorp Inc.	185,770	5,224
First Business Financial Services Inc.	205,692	5,175
* SmartFinancial Inc.	217,904	5,134
Sussex Bancorp	168,600	5,125
^ GAIN Capital Holdings Inc.	758,817	5,122
* First Northwest Bancorp	302,712	5,113

Civista Bancshares Inc.	223,072	5,099
Orrstown Financial Services Inc.	210,135	5,075
Timberland Bancorp Inc.	166,648	5,066
Central Valley Community Bancorp	257,305	5,033
* Bank of Princeton	144,868	4,997
Riverview Bancorp Inc.	527,567	4,927
Bank of Commerce Holdings	421,001	4,905
* Atlantic Coast Financial Corp.	474,498	4,887
Investar Holding Corp.	188,481	4,872

Evans Bancorp Inc.	106,388	4,814
MBT Financial Corp.	446,897	4,804
Penns Woods Bancorp Inc.	112,508	4,760
* Stratus Properties Inc.	154,934	4,679
* Sterling Bancorp Inc.	343,208	4,637
Ellington Residential Mortgage REIT	420,285	4,606
Federated National Holding Co.	286,391	4,516
Pzena Investment Management Inc. Class A	403,565	4,492
* Howard Bancorp Inc.	225,381	4,463
* AV Homes Inc.	240,257	4,457
MidSouth Bancorp Inc.	348,907	4,414
* NI Holdings Inc.	263,267	4,397
Unity Bancorp Inc.	199,004	4,378
Independence Holding Co.	122,798	4,378
Reis Inc.	199,775	4,285
* Community Bankers Trust Corp.	474,834	4,274
Kingstone Cos. Inc.	253,928	4,266
Northeast Bancorp	207,432	4,252
Gladstone Land Corp.	351,759	4,249
Bear State Financial Inc.	413,691	4,240
SI Financial Group Inc.	293,277	4,223
* Entegra Financial Corp.	144,122	4,180
LCNB Corp.	218,549	4,152
C&F Financial Corp.	78,800	4,145
^ Innovative Industrial Properties Inc.	154,288	4,127
* Trinity Place Holdings Inc.	627,012	4,076
Safety Income & Growth Inc.	252,324	4,035
* Pacific Mercantile Bancorp	411,516	3,930
ACNB Corp.	133,595	3,908
Reliant Bancorp Inc.	171,191	3,901
Donegal Group Inc. Class A	246,340	3,892
MVB Financial Corp.	194,000	3,832
ESSA Bancorp Inc.	254,680	3,736
*,^ Longfin Corp.	215,841	3,725
County Bancorp Inc.	126,977	3,709
Owens Realty Mortgage Inc.	252,842	3,686
2 Winthrop Realty Trust	562,609	3,676
Global Medical REIT Inc.	525,888	3,655
Chemung Financial Corp.	78,078	3,628
* Hallmark Financial Services Inc.	404,755	3,610
* Elevate Credit Inc.	508,049	3,597
Community Financial Corp.	96,475	3,591
* Malvern Bancorp Inc.	137,227	3,568
GAMCO Investors Inc. Class A	141,614	3,516
Parke Bancorp Inc.	162,698	3,384
Middlefield Banc Corp.	68,285	3,353
Federal Agricultural Mortgage Corp. Class A	41,769	3,325
Prudential Bancorp Inc.	183,029	3,320
Peoples Bancorp of North Carolina Inc.	107,804	3,312
First Financial Northwest Inc.	195,218	3,270

Premier Financial Bancorp Inc.	173,807	3,235
First Guaranty Bancshares Inc.	123,775	3,217
^ Union Bankshares Inc.	62,929	3,197
* Atlas Financial Holdings Inc.	303,716	3,143
Tiptree Inc.	493,567	3,134
* Bay Bancorp Inc.	230,784	3,104
^ Greene County Bancorp Inc.	84,105	3,087

United Security Bancshares	284,368	3,057
Clipper Realty Inc.	357,527	3,028
Silvercrest Asset Management Group Inc. Class A	195,101	2,966
1st Constitution Bancorp	135,163	2,920
* Esquire Financial Holdings Inc.	117,971	2,879
* Metropolitan Bank Holding Corp.	66,908	2,818
* Provident Bancorp Inc.	105,636	2,805
Associated Capital Group Inc. Class A	74,243	2,780
Sotherly Hotels Inc.	392,483	2,716
Provident Financial Holdings Inc.	149,835	2,711
* Ashford Inc.	28,292	2,708
* Select Bancorp Inc.	197,554	2,639
* Capstar Financial Holdings Inc.	137,376	2,587
SB Financial Group Inc.	136,390	2,510
DNB Financial Corp.	69,832	2,490
Bluegreen Vacations Corp.	112,727	2,386
Luther Burbank Corp.	198,373	2,382
* First United Corp.	120,015	2,304
MSB Financial Corp.	121,527	2,181
* Transcontinental Realty Investors Inc.	52,656	2,138
* Maui Land & Pineapple Co. Inc.	181,832	2,118
Two River Bancorp	115,638	2,087
*,^ Impac Mortgage Holdings Inc.	261,677	2,067
* Curo Group Holdings Corp.	118,692	2,042
First Savings Financial Group Inc.	28,986	2,028
American River Bankshares	130,024	2,017
Colony Northstar Credit Real Estate Inc. Class A	106,122	2,011
Blue Capital Reinsurance Holdings Ltd.	161,959	1,976
^ Five Oaks Investment Corp.	676,213	1,968
CB Financial Services Inc.	63,572	1,949
* Coastway Bancorp Inc.	71,316	1,943
* Jason Industries Inc.	597,574	1,858
* Consumer Portfolio Services Inc.	491,566	1,853
Plumas Bancorp	74,137	1,842
Mackinac Financial Corp.	108,795	1,758
Summit State Bank	126,542	1,696
*,^ Aspen Group Inc.	235,988	1,666
AmeriServ Financial Inc.	413,195	1,653
* Victory Capital Holdings Inc. Class A	127,300	1,566
Global Self Storage Inc.	353,584	1,563
United Bancorp Inc.	123,352	1,554
*,^ Riot Blockchain Inc.	229,861	1,522
Hennessy Advisors Inc.	73,898	1,426
Griffin Industrial Realty Inc.	37,944	1,424
* PDL Community Bancorp	96,796	1,418
PB Bancorp Inc.	130,685	1,366
Eagle Bancorp Montana Inc.	65,369	1,356
*,^ ITUS Corp.	347,601	1,335
Condor Hospitality Trust Inc.	129,639	1,296
*,^ Anchor Bancorp Inc.	51,344	1,258
Manhattan Bridge Capital Inc.	172,279	1,197
Citizens Community Bancorp Inc.	85,675	1,197

First US Bancshares Inc.	102,757	1,176
Manning & Napier Inc.	332,877	1,165
* Performant Financial Corp.	385,460	1,156
Old Point Financial Corp.	43,728	1,154
* Nicholas Financial Inc.	124,786	1,132

* Randolph Bancorp Inc.	68,831	1,110
United Community Bancorp	43,985	1,108
Urstadt Biddle Properties Inc.	64,362	1,092
* Tremont Mortgage Trust	76,963	1,009
Elmira Savings Bank	49,500	1,002
Severn Bancorp Inc.	137,009	993
First Community Corp.	42,409	971
HopFed Bancorp Inc.	66,571	965
Medley Management Inc. Class A	163,603	933
* Altisource Asset Management Corp.	13,783	858
* Security National Financial Corp. Class A	159,180	820
Sound Financial Bancorp Inc.	21,956	805
*,^ IZEA Inc.	210,517	771
BRT Apartments Corp.	64,449	757
^ Wheeler REIT Inc.	210,423	753
^ US Global Investors Inc. Class A	296,698	751
* Meridian Bank	42,029	738
Pathfinder Bancorp Inc.	48,152	737
* Porter Bancorp Inc.	52,082	714
*,^ DPW Holdings Inc.	871,179	697
* 1347 Property Insurance Holdings Inc.	91,546	655
^ Sachem Capital Corp.	174,987	607
* Conifer Holdings Inc.	103,597	606
Norwood Financial Corp.	19,602	590
Citizens First Corp.	22,973	567
*,^ Intersections Inc.	339,844	554
* FFBW Inc.	50,272	552
Bank of South Carolina Corp.	23,427	473
* Community First Bancshares Inc.	38,486	432
* National Holdings Corp.	94,636	432
* Bancorp 34 Inc.	28,027	420
* Central Federal Corp.	172,435	400
^ HV Bancorp Inc.	25,024	375
Ottawa Bancorp Inc.	27,075	371
*,^ ZAIS Group Holdings Inc.	86,704	351
* Bridgewater Bancshares Inc.	25,422	332
* First Acceptance Corp.	280,268	238
*,^ Ditech Holding Corp.	25,299	227
* JW Mays Inc.	5,455	203
*,^ CPI Card Group Inc.	64,064	193
WVS Financial Corp.	11,313	182
RAIT Financial Trust	1,091,851	176
Bancorp of New Jersey Inc.	9,631	160
Bank of the James Financial Group Inc.	10,344	156
Oxbridge Re Holdings Ltd.	67,076	151
* Eagle Financial Bancorp Inc.	9,624	151
^ Jacksonville Bancorp Inc.	4,452	148
* Income Opportunity Realty Investors Inc.	12,550	147
*,^ RMG Networks Holding Corp.	102,173	145
IF Bancorp Inc.	6,961	139
* ICC Holdings Inc.	8,902	134
Asta Funding Inc.	31,446	116
* National Holdings Corp. Warrants Exp. 01/18/2022	92,151	115
Southwest Georgia Financial Corp.	3,684	78
*,^ Naked Brand Group Inc.	46,124	68
Cohen & Co. Inc.	4,329	47



Glen Burnie Bancorp	857	10
GWG Holdings Inc.	300	3
Canadian Imperial Bank of Commerce		—
		137,287,112
Health Care (12.5%)		
Johnson & Johnson	66,198,846	8,483,382
Pfizer Inc.	146,877,414	5,212,679
UnitedHealth Group Inc.	23,876,517	5,109,575
AbbVie Inc.	39,181,759	3,708,553
Merck & Co. Inc.	67,225,518	3,661,774
Amgen Inc.	16,492,621	2,811,662
Medtronic plc	33,437,644	2,682,368
Abbott Laboratories	43,084,882	2,581,646
Bristol-Myers Squibb Co.	40,288,284	2,548,234
Gilead Sciences Inc.	32,275,329	2,433,237
Thermo Fisher Scientific Inc.	9,894,560	2,042,831
Eli Lilly & Co.	24,334,645	1,882,771
* Celgene Corp.	18,560,438	1,655,777
Allergan plc	8,592,102	1,445,965
* Biogen Inc.	5,220,638	1,429,515
Becton Dickinson and Co.	6,568,097	1,423,307
Anthem Inc.	6,308,928	1,386,071
Aetna Inc.	8,064,483	1,362,898
Stryker Corp.	7,396,629	1,190,266
* Intuitive Surgical Inc.	2,770,880	1,143,902
* Vertex Pharmaceuticals Inc.	6,265,899	1,021,216
Cigna Corp.	6,019,289	1,009,676
Zoetis Inc.	11,974,891	1,000,023
* Express Scripts Holding Co.	13,973,885	965,316
* Boston Scientific Corp.	33,937,528	927,173
Humana Inc.	3,397,155	913,257
* Illumina Inc.	3,627,340	857,576
Baxter International Inc.	12,764,270	830,188
* Edwards Lifesciences Corp.	5,183,674	723,226
* Regeneron Pharmaceuticals Inc.	1,958,874	674,558
HCA Healthcare Inc.	6,913,445	670,604
* Alexion Pharmaceuticals Inc.	5,198,646	579,441
Zimmer Biomet Holdings Inc.	4,994,849	544,638
* Mylan NV	12,576,752	517,785
* Align Technology Inc.	1,879,127	471,905
* Centene Corp.	4,068,745	434,827
* Nektar Therapeutics Class A	3,957,767	420,552
* IDEXX Laboratories Inc.	2,150,238	411,534
* Laboratory Corp. of America Holdings	2,511,175	406,183
* IQVIA Holdings Inc.	3,852,893	378,007
* Incyte Corp.	4,443,184	370,251
* Waters Corp.	1,863,265	370,138
* BioMarin Pharmaceutical Inc.	4,337,933	351,676
ResMed Inc.	3,527,846	347,387
Quest Diagnostics Inc.	3,362,438	337,253
* ABIOMED Inc.	1,038,255	302,122
Teleflex Inc.	1,142,879	291,411
Dentsply Sirona Inc.	5,662,112	284,861
* Varian Medical Systems Inc.	2,256,072	276,707
Cooper Cos. Inc.	1,208,478	276,512
* Alnylam Pharmaceuticals Inc.	2,219,110	264,296
Perrigo Co. plc	3,130,309	260,880

* Henry Schein Inc.	3,794,622	255,037
* Hologic Inc.	6,813,811	254,564
Universal Health Services Inc. Class B	2,054,558	243,280
* Alkermes plc	3,859,175	223,678
* DaVita Inc.	3,377,845	222,735
* WellCare Health Plans Inc.	1,099,999	212,993
* Jazz Pharmaceuticals plc	1,405,696	212,246
* Bluebird Bio Inc.	1,232,578	210,463
STERIS plc	2,093,100	195,412
* Neurocrine Biosciences Inc.	2,204,134	182,789
* Sage Therapeutics Inc.	1,072,835	172,802
West Pharmaceutical Services Inc.	1,835,243	162,034
* Exelixis Inc.	7,307,799	161,868
* DexCom Inc.	2,146,961	159,219
Hill-Rom Holdings Inc.	1,629,748	141,788
Bio-Techne Corp.	926,096	139,878
* Ionis Pharmaceuticals Inc.	3,081,852	135,848
* Catalent Inc.	3,296,450	135,352
*,^ Seattle Genetics Inc.	2,540,866	132,989
Encompass Health Corp.	2,314,582	132,325
* Bio-Rad Laboratories Inc. Class A	517,043	129,302
* MEDNAX Inc.	2,317,823	128,940
* Insulet Corp.	1,442,648	125,049
* Charles River Laboratories International Inc.	1,168,174	124,691
* Exact Sciences Corp.	2,987,694	120,494
* Envision Healthcare Corp.	2,992,324	114,995
* United Therapeutics Corp.	1,015,438	114,095
* Sarepta Therapeutics Inc.	1,514,128	112,182
* Molina Healthcare Inc.	1,331,640	108,103
* PRA Health Sciences Inc.	1,260,425	104,565
* Masimo Corp.	1,145,223	100,722
* Agios Pharmaceuticals Inc.	1,201,024	98,220
Cantel Medical Corp.	878,791	97,906
* Haemonetics Corp.	1,321,135	96,654
* ICU Medical Inc.	373,386	94,243
* Blueprint Medicines Corp.	973,239	89,246
* Penumbra Inc.	754,332	87,238
* Integra LifeSciences Holdings Corp.	1,551,914	85,883
* Globus Medical Inc.	1,697,249	84,557
* FibroGen Inc.	1,822,031	84,178
* Avexis Inc.	677,152	83,682
* Array BioPharma Inc.	5,116,610	83,503
* Ligand Pharmaceuticals Inc.	495,061	81,764
* Neogen Corp.	1,215,833	81,449
* Acadia Healthcare Co. Inc.	2,058,387	80,648
Bruker Corp.	2,504,347	74,930
Healthcare Services Group Inc.	1,721,798	74,864
* Loxo Oncology Inc.	626,850	72,320
*,^ Amicus Therapeutics Inc.	4,589,310	69,023
* Syneos Health Inc.	1,929,116	68,484
* NuVasive Inc.	1,259,461	65,756
* Magellan Health Inc.	593,962	63,613
* Clovis Oncology Inc.	1,151,455	60,797
* Tenet Healthcare Corp.	2,490,765	60,401
* Ultragenyx Pharmaceutical Inc.	1,166,899	59,500
* Halozyme Therapeutics Inc.	2,994,998	58,672
* Horizon Pharma plc	4,060,238	57,655

* Supernus Pharmaceuticals Inc.	1,207,852	55,320
* Global Blood Therapeutics Inc.	1,138,168	54,974
* ACADIA Pharmaceuticals Inc.	2,443,654	54,909
* Emergent BioSolutions Inc.	1,040,985	54,808
* Nevro Corp.	625,362	54,200
* TESARO Inc.	942,474	53,853
* Merit Medical Systems Inc.	1,179,019	53,469
* Halyard Health Inc.	1,158,363	53,377
* Medicines Co.	1,620,207	53,370
* Puma Biotechnology Inc.	784,212	53,366
* Portola Pharmaceuticals Inc.	1,604,144	52,391
* Ironwood Pharmaceuticals Inc. Class A	3,366,497	51,945
*,^ Spark Therapeutics Inc.	777,737	51,790
* Wright Medical Group NV	2,602,597	51,636
* Myriad Genetics Inc.	1,730,576	51,139
*,^ Teladoc Inc.	1,263,644	50,925
* Inogen Inc.	413,184	50,756
* Aerie Pharmaceuticals Inc.	930,126	50,459
*,^ Immunomedics Inc.	3,274,615	47,842
* Arena Pharmaceuticals Inc.	1,176,686	46,479
* LifePoint Health Inc.	978,740	46,001
* Select Medical Holdings Corp.	2,616,984	45,143
Patterson Cos. Inc.	1,987,854	44,190
* Prestige Brands Holdings Inc.	1,302,679	43,926
* Amedisys Inc.	716,413	43,228
*,^ Heron Therapeutics Inc.	1,565,670	43,212
* Akorn Inc.	2,297,543	42,987
* Esperion Therapeutics Inc.	590,516	42,712
* Insmed Inc.	1,882,704	42,398
*,^ Corcept Therapeutics Inc.	2,523,831	41,517
* NxStage Medical Inc.	1,642,531	40,833
* Sangamo Therapeutics Inc.	2,074,230	39,410
CONMED Corp.	620,922	39,323
* Tivity Health Inc.	981,041	38,898
* Omnicell Inc.	883,013	38,323
Abaxis Inc.	534,954	37,778
* Quidel Corp.	716,220	37,107
* Acceleron Pharma Inc.	947,514	37,048
* Novocure Ltd.	1,669,044	36,385
* AnaptysBio Inc.	348,547	36,277
* Spectrum Pharmaceuticals Inc.	2,223,645	35,778
* Impax Laboratories Inc.	1,831,346	35,620
*,^ Radius Health Inc.	986,224	35,445
* Repligen Corp.	978,420	35,399
* HMS Holdings Corp.	2,083,110	35,080
* ImmunoGen Inc.	3,268,740	34,387
* Xencor Inc.	1,140,318	34,187
*,^ Mallinckrodt plc	2,333,227	33,785
* Varex Imaging Corp.	927,184	33,175
* Momenta Pharmaceuticals Inc.	1,790,524	32,498
* MyoKardia Inc.	662,720	32,341
* Zogenix Inc.	805,653	32,266
* Iovance Biotherapeutics Inc.	1,899,964	32,109
Ensign Group Inc.	1,213,421	31,913
* Aimmune Therapeutics Inc.	984,713	31,343
* Inoviva Inc.	1,866,016	31,106
* Atara Biotherapeutics Inc.	793,957	30,964

* Brookdale Senior Living Inc.	4,589,242	30,794
* Pacira Pharmaceuticals Inc.	951,695	29,645
*,^ Editas Medicine Inc.	891,778	29,562
* Dynavax Technologies Corp.	1,484,528	29,468
* Endo International plc	4,956,058	29,439
Analogic Corp.	304,872	29,237
* PTC Therapeutics Inc.	1,071,256	28,988
* Enanta Pharmaceuticals Inc.	356,553	28,849
* Foundation Medicine Inc.	356,475	28,072
* Acorda Therapeutics Inc.	1,147,227	27,132
* Intersect ENT Inc.	689,243	27,087
*,^ Intrexon Corp.	1,735,622	26,607
*,^ Intercept Pharmaceuticals Inc.	430,824	26,504
*,^ OPKO Health Inc.	8,287,501	26,271
* AxoGen Inc.	717,012	26,171
* LHC Group Inc.	412,511	25,394
* iRhythm Technologies Inc.	396,653	24,969
* Orthofix International NV	422,771	24,850
* Natus Medical Inc.	724,096	24,366
*,^ Theravance Biopharma Inc.	1,001,437	24,285
* OraSure Technologies Inc.	1,414,432	23,890
* BioTelemetry Inc.	767,952	23,845
Owens & Minor Inc.	1,522,247	23,671
US Physical Therapy Inc.	290,523	23,620
* G1 Therapeutics Inc.	631,250	23,388
* MacroGenics Inc.	917,287	23,079
* CytomX Therapeutics Inc.	801,643	22,807
* Epizyme Inc.	1,282,971	22,773
* Intra-Cellular Therapies Inc.	1,076,945	22,670
*,^ Glaukos Corp.	722,171	22,265
* Revance Therapeutics Inc.	719,911	22,173
Atrion Corp.	34,504	21,782
Luminex Corp.	1,027,923	21,658
* Retrophin Inc.	960,402	21,475
*,^ TherapeuticsMD Inc.	4,270,155	20,796
* Assembly Biosciences Inc.	422,543	20,764
* REGENXBIO Inc.	689,162	20,571
* Madrigal Pharmaceuticals Inc.	175,791	20,531
* Vanda Pharmaceuticals Inc.	1,187,893	20,016
* Alder Biopharmaceuticals Inc.	1,574,906	20,001
* Kindred Healthcare Inc.	2,135,482	19,540
* K2M Group Holdings Inc.	1,025,617	19,435
*,^ TG Therapeutics Inc.	1,300,856	18,472
* Audentes Therapeutics Inc.	612,582	18,408
* Cymabay Therapeutics Inc.	1,407,965	18,289
*,^ MiMedx Group Inc.	2,592,711	18,071
*,^ Flexion Therapeutics Inc.	798,324	17,890
* Anika Therapeutics Inc.	358,567	17,828
* Cardiovascular Systems Inc.	794,665	17,427
* Mirati Therapeutics Inc.	567,239	17,414
* AMAG Pharmaceuticals Inc.	861,245	17,354
*,^ Accelerate Diagnostics Inc.	752,253	17,189
* Almost Family Inc.	305,615	17,114
* Cerus Corp.	3,119,780	17,096
*,^ Novavax Inc.	8,010,521	16,822
*,^ Geron Corp.	3,951,649	16,795
* AtriCure Inc.	802,747	16,472

* ^ Collegium Pharmaceutical Inc.	640,463	16,364
* Cutera Inc.	323,143	16,238
* CryoLife Inc.	798,300	16,006
* Amphastar Pharmaceuticals Inc.	840,749	15,764
* Karyopharm Therapeutics Inc.	1,155,980	15,513
* AngioDynamics Inc.	896,106	15,458
* ^ Eagle Pharmaceuticals Inc.	291,986	15,385
HealthStream Inc.	616,072	15,297
* Genomic Health Inc.	481,096	15,053
* ^ La Jolla Pharmaceutical Co.	502,262	14,957
Meridian Bioscience Inc.	1,045,884	14,852
* Triple-S Management Corp. Class B	566,846	14,817
* R1 RCM Inc.	2,073,734	14,806
* NeoGenomics Inc.	1,770,386	14,446
Invacare Corp.	815,418	14,188
* Lantheus Holdings Inc.	876,458	13,936
* ^ Arrowhead Pharmaceuticals Inc.	1,921,841	13,856
* Five Prime Therapeutics Inc.	801,236	13,765
National HealthCare Corp.	229,464	13,683
* RadNet Inc.	937,753	13,504
* ^ Lannett Co. Inc.	835,482	13,409
* Endocyte Inc.	1,458,398	13,257
* ^ Athenex Inc.	776,456	13,208
* ^ GlycoMimetics Inc.	812,815	13,192
* ^ Intellia Therapeutics Inc.	624,749	13,176
* Kura Oncology Inc.	696,436	13,058
* Progenics Pharmaceuticals Inc.	1,750,207	13,057
* Rigel Pharmaceuticals Inc.	3,681,663	13,033
LeMaitre Vascular Inc.	353,198	12,796
* Heska Corp.	160,191	12,666
* ^ Omeros Corp.	1,132,795	12,653
* ^ Adamas Pharmaceuticals Inc.	526,960	12,594
* ^ ZIOPHARM Oncology Inc.	3,135,343	12,291
* Coherus Biosciences Inc.	1,105,520	12,216
* ANI Pharmaceuticals Inc.	205,095	11,941
* CorVel Corp.	235,328	11,896
* Achillion Pharmaceuticals Inc.	3,204,546	11,889
* ^ Tactile Systems Technology Inc.	370,762	11,790
* Surmodics Inc.	305,839	11,637
* Concert Pharmaceuticals Inc.	504,591	11,555
* BioCryst Pharmaceuticals Inc.	2,407,403	11,483
* Akebia Therapeutics Inc.	1,186,970	11,312
* Aclaris Therapeutics Inc.	637,094	11,162
* ^ Abeona Therapeutics Inc.	756,664	10,858
* ^ Synergy Pharmaceuticals Inc.	5,879,357	10,759
* ChemoCentryx Inc.	779,777	10,605
* PDL BioPharma Inc.	3,585,431	10,541
* ^ Community Health Systems Inc.	2,661,666	10,540
* ^ Achaogen Inc.	804,170	10,414
* STAAR Surgical Co.	703,245	10,408
* Voyager Therapeutics Inc.	540,453	10,155
* Fate Therapeutics Inc.	1,025,392	10,008
* ^ Inovio Pharmaceuticals Inc.	2,099,923	9,891
* Accuray Inc.	1,958,383	9,792
* Aduro Biotech Inc.	1,041,593	9,687
* Stemline Therapeutics Inc.	632,795	9,682
* Depomed Inc.	1,388,375	9,149

* ^ Lexicon Pharmaceuticals Inc.	1,052,238	9,018
* ^ Keryx Biopharmaceuticals Inc.	2,177,438	8,906
* ^ Jounce Therapeutics Inc.	396,713	8,867
* ^ Rocket Pharmaceuticals Inc.	467,872	8,773
* ^ Agenesis Inc.	1,859,094	8,756
* Addus HomeCare Corp.	177,955	8,658
* Vericel Corp.	863,260	8,589
* Endologix Inc.	2,006,953	8,489
* ^ Dova Pharmaceuticals Inc.	311,902	8,459
* Cytokinetics Inc.	1,174,595	8,457
* AVEO Pharmaceuticals Inc.	2,891,086	8,384
* ^ Akcea Therapeutics Inc.	326,910	8,372
* ^ Surgery Partners Inc.	487,974	8,369
* Paratek Pharmaceuticals Inc.	639,594	8,315
* ^ MediciNova Inc.	797,187	8,147
* ^ Cara Therapeutics Inc.	641,963	7,948
* Dicerna Pharmaceuticals Inc.	826,354	7,900
* CellDex Therapeutics Inc.	3,341,126	7,785
* Antares Pharma Inc.	3,521,435	7,747
* BioScrip Inc.	3,146,006	7,739
* ^ Corium International Inc.	660,608	7,577
* Medpace Holdings Inc.	215,833	7,535
* Natera Inc.	800,588	7,421
* ^ Reata Pharmaceuticals Inc. Class A	361,469	7,414
* Durect Corp.	3,413,245	7,304
* ^ Idera Pharmaceuticals Inc.	3,952,001	7,272
* ^ Kadmon Holdings Inc.	1,706,828	7,254
* GenMark Diagnostics Inc.	1,329,745	7,234
* ^ Sorrento Therapeutics Inc.	1,367,093	7,041
* ^ Corbus Pharmaceuticals Holdings Inc.	1,143,938	6,978
* ^ ViewRay Inc.	1,080,349	6,947
Utah Medical Products Inc.	69,382	6,858
* BioSpecifics Technologies Corp.	151,987	6,739
* ^ Denali Therapeutics Inc.	336,992	6,635
* Capital Senior Living Corp.	616,811	6,631
* ^ MannKind Corp.	2,903,516	6,620
* Adverum Biotechnologies Inc.	1,125,712	6,529
* Syros Pharmaceuticals Inc.	501,618	6,511
* Dermira Inc.	811,293	6,482
* Civitas Solutions Inc.	414,068	6,377
* Enzo Biochem Inc.	1,160,525	6,360
* ^ Invitae Corp.	1,355,558	6,358
* ^ Clearside Biomedical Inc.	586,505	6,293
* ^ Rockwell Medical Inc.	1,206,626	6,287
* ^ Senseonics Holdings Inc.	2,071,274	6,214
* RTI Surgical Inc.	1,336,779	6,149
* ^ Ampio Pharmaceuticals Inc.	1,781,861	6,058
* ^ BioTime Inc.	2,237,748	6,020
* Quorum Health Corp.	718,687	5,879
* Chimex Inc.	1,124,575	5,848
* Kindred Biosciences Inc.	675,373	5,842
Aceto Corp.	768,522	5,841
* ^ Pacific Biosciences of California Inc.	2,802,485	5,745
* Syndax Pharmaceuticals Inc.	400,818	5,704
* ArQule Inc.	1,976,705	5,693
* American Renal Associates Holdings Inc.	301,632	5,686
* ^ PetIQ Inc.	202,232	5,379

* Palatin Technologies Inc.	4,917,884	5,360
* Sienna Biopharmaceuticals Inc.	284,020	5,334
* Catalyst Pharmaceuticals Inc.	2,209,846	5,282
*,^Tocagen Inc.	445,490	5,279
*,^NewLink Genetics Corp.	726,442	5,267
* Catalyst Biosciences Inc.	201,900	5,209
*,^CTI BioPharma Corp.	1,305,961	5,093
*,^Athersys Inc.	2,780,647	5,089
* FONAR Corp.	170,182	5,071
* Rhythm Pharmaceuticals Inc.	252,375	5,022
*,^Neos Therapeutics Inc.	591,637	4,911
* Minerva Neurosciences Inc.	775,347	4,846
*,^Menlo Therapeutics Inc.	127,704	4,799
*,^Bellicum Pharmaceuticals Inc.	730,163	4,790
*,^Ocular Therapeutix Inc.	704,833	4,588
* Cue Biopharma Inc.	323,747	4,549
*,^Insys Therapeutics Inc.	749,630	4,528
* Aratana Therapeutics Inc.	1,013,076	4,468
*,^CytoSorbents Corp.	632,629	4,460
*,^Vital Therapies Inc.	654,567	4,451
* Savara Inc.	483,697	4,450
* Mersana Therapeutics Inc.	281,711	4,443
* Corvus Pharmaceuticals Inc.	377,400	4,351
* Recro Pharma Inc.	394,851	4,347
* Ardelyx Inc.	859,546	4,341
* Kala Pharmaceuticals Inc.	273,085	4,323
* Conatus Pharmaceuticals Inc.	710,819	4,173
* NanoString Technologies Inc.	552,622	4,150
* Zafgen Inc.	554,363	4,130
*,^Apellis Pharmaceuticals Inc.	186,487	4,123
* Calithera Biosciences Inc.	642,705	4,049
*,^CareDx Inc.	502,588	4,006
* Mustang Bio Inc.	366,024	4,004
*,^Selecta Biosciences Inc.	389,129	3,965
*,^Viking Therapeutics Inc.	897,969	3,924
*,^T2 Biosystems Inc.	597,801	3,880
* Fluidigm Corp.	661,818	3,865
* Tetraphase Pharmaceuticals Inc.	1,240,679	3,809
*,^Seres Therapeutics Inc.	515,677	3,785
* Deciphera Pharmaceuticals Inc.	187,950	3,767
* Harvard Bioscience Inc.	750,550	3,753
*,^Sientra Inc.	384,381	3,713
*,^Synlogic Inc.	395,525	3,710
*,^Tandem Diabetes Care Inc.	744,660	3,694
*,^CASI Pharmaceuticals Inc.	874,637	3,647
*,^Teligent Inc.	1,050,767	3,531
* Avid Bioservices Inc.	1,203,883	3,515
*,^Optinose Inc.	173,240	3,468
* Verastem Inc.	1,163,176	3,466
* Melinta Therapeutics Inc.	465,019	3,441
* Spring Bank Pharmaceuticals Inc.	222,683	3,425
* Veracyte Inc.	608,274	3,382
* AAC Holdings Inc.	289,838	3,327
*,^Galectin Therapeutics Inc.	701,095	3,323
*,^Marinus Pharmaceuticals Inc.	867,114	3,312
*,^XOMA Corp.	162,918	3,296
*,^Corindus Vascular Robotics Inc.	2,399,515	3,287

* Aldeyra Therapeutics Inc.	429,986	3,225
*,^ GTX Inc.	180,254	3,200
* BioDelivery Sciences International Inc.	1,414,198	3,182
*,^ Amyris Inc.	468,761	3,136
* SeaSpine Holdings Corp.	302,141	3,064
*,^ Miragen Therapeutics Inc.	428,396	3,003
*,^ Fortress Biotech Inc.	644,427	2,932
*,^ Odonate Therapeutics Inc.	134,091	2,840
*,^ Proteostasis Therapeutics Inc.	597,730	2,839
* Cogentix Medical Inc.	730,702	2,813
* Immune Design Corp.	833,775	2,751
*,^ Anavex Life Sciences Corp.	993,461	2,742
*,^ Adamis Pharmaceuticals Corp.	782,045	2,737
Psychomedics Corp.	132,234	2,735
*,^ ADMA Biologics Inc.	587,338	2,702
*,^ Zynerva Pharmaceuticals Inc.	305,185	2,652
*,^ Chembio Diagnostics Inc.	329,680	2,637
* Otonomy Inc.	624,314	2,622
* Merrimack Pharmaceuticals Inc.	325,027	2,616
* Protagonist Therapeutics Inc.	301,950	2,594
* Pfenex Inc.	416,691	2,500
*,^ NantKwest Inc.	635,282	2,471
*,^ Nobilis Health Corp.	1,482,407	2,446
*,^ Organovo Holdings Inc.	2,362,328	2,433
* Ophthotech Corp.	882,771	2,419
* Infinity Pharmaceuticals Inc.	1,144,811	2,404
*,^ OncoSec Medical Inc.	1,232,503	2,317
* Juniper Pharmaceuticals Inc.	226,925	2,303
* Curis Inc.	3,509,307	2,293
* Aeglea BioTherapeutics Inc.	226,343	2,245
* ContraFect Corp.	1,382,600	2,198
*,^ Tyme Technologies Inc.	926,156	2,065
*,^ XBiotech Inc.	382,403	2,046
* Molecular Templates Inc.	254,524	2,036
*,^ KemPharm Inc.	255,572	2,019
*,^ AcetRx Pharmaceuticals Inc.	952,160	2,000
*,^ Genesis Healthcare Inc.	1,313,128	1,983
*,^ Sunesis Pharmaceuticals Inc.	727,159	1,978
* Bovie Medical Corp.	665,652	1,977
* Trevena Inc.	1,192,683	1,956
* Agile Therapeutics Inc.	754,951	1,940
*,^ Viveve Medical Inc.	529,613	1,938
*,^ HTG Molecular Diagnostics Inc.	534,528	1,935
* OncoMed Pharmaceuticals Inc.	603,065	1,918
* Ovid therapeutics Inc.	269,127	1,903
* Ra Pharmaceuticals Inc.	354,649	1,883
*,^ Advaxis Inc.	1,075,254	1,817
* Eiger BioPharmaceuticals Inc.	178,747	1,761
* Allena Pharmaceuticals Inc.	157,829	1,739
* Histogenics Corp.	630,548	1,734
* MEI Pharma Inc.	837,445	1,734
*,^ iRadimed Corp.	120,879	1,704
* OrthoPediatrics Corp.	111,763	1,683
* Arsanis Inc.	72,287	1,655
*,^ Solid Biosciences Inc.	214,992	1,612
*,^ Zosano Pharma Corp.	315,836	1,592
* ConforMIS Inc.	1,091,687	1,583

* ^ Cidara Therapeutics Inc.	395,529	1,582
* Gemphire Therapeutics Inc.	239,413	1,559
* Celcuity Inc.	93,214	1,536
* Joint Corp.	219,797	1,506
* Regulus Therapeutics Inc.	2,068,201	1,484
* Versartis Inc.	888,732	1,466
* Aptevo Therapeutics Inc.	446,531	1,460
* Alpine Immune Sciences Inc.	180,890	1,447
* ^ SCYNEXIS Inc.	1,078,494	1,445
* ^ Sophiris Bio Inc.	718,237	1,444
* ^ pSivida Corp.	1,179,356	1,439
* ^ Ekso Bionics Holdings Inc.	903,708	1,428
* ^ Bellerophon Therapeutics Inc.	686,231	1,427
* IRIDEX Corp.	249,167	1,425
* ^ Pulse Biosciences Inc.	104,860	1,419
* ^ Alimera Sciences Inc.	1,374,781	1,416
* ^ Second Sight Medical Products Inc.	722,683	1,388
* ^ Invuity Inc.	348,425	1,341
* Aevi Genomic Medicine Inc.	663,147	1,333
* ^ Calyxt Inc.	100,788	1,322
* Cumberland Pharmaceuticals Inc.	194,545	1,300
* ^ BrainStorm Cell Therapeutics Inc.	412,248	1,299
* ^ Akers Biosciences Inc.	1,560,400	1,292
* ^ resTORbio Inc.	133,959	1,283
* aTyr Pharma Inc.	473,723	1,255
* scPharmaceuticals Inc.	101,200	1,255
* ^ Genoea Biosciences Inc.	1,186,677	1,246
* ^ Asterias Biotherapeutics Inc. Class A	804,565	1,167
* ^ Matinas BioPharma Holdings Inc.	1,524,744	1,166
* ^ Opiant Pharmaceuticals Inc.	59,762	1,146
* ^ Novan Inc.	385,476	1,129
* ^ Navidea Biopharmaceuticals Inc.	3,125,446	1,125
* ^ Vermillion Inc.	823,255	1,120
* ^ Spero Therapeutics Inc.	78,094	1,113
* ^ Alphatec Holdings Inc.	341,385	1,096
* InfuSystem Holdings Inc.	372,833	1,081
* Unum Therapeutics Inc.	95,893	1,065
* Misonix Inc.	107,163	1,061
* ^ Rexahn Pharmaceuticals Inc.	697,518	1,053
* Electromed Inc.	188,884	1,016
* ^ BioLife Solutions Inc.	195,545	999
* Flex Pharma Inc.	199,119	996
* Caladrius Biosciences Inc.	170,374	995
* ^ Synthetic Biologics Inc.	3,029,629	965
* Krystal Biotech Inc.	86,943	877
* ^ Obalon Therapeutics Inc.	254,939	874
* ^ VIVUS Inc.	2,437,127	867
* ^ Imprimis Pharmaceuticals Inc.	482,969	850
* ^ Axsome Therapeutics Inc.	331,550	812
* ^ BioPharmX Corp.	3,469,834	802
* Applied Genetic Technologies Corp.	202,816	781
* ^ Pain Therapeutics Inc.	109,368	775
* ^ CytRx Corp.	487,386	775
* Bioxcel Therapeutics Inc.	74,167	759
* ^ Celsion Corp.	334,710	750
* KalVista Pharmaceuticals Inc.	78,070	740
* Apollo Endosurgery Inc.	118,181	727

* ^ Moleculin Biotech Inc.	398,455	717
* ^ Catabasis Pharmaceuticals Inc.	392,389	710
* Cancer Genetics Inc.	421,856	696
* ^ Restoration Robotics Inc.	108,956	679
* ^ Evoke Pharma Inc.	320,197	666
* ^ Pernix Therapeutics Holdings Inc.	276,171	660
* vTv Therapeutics Inc. Class A	161,708	658
* ^ Egalet Corp.	1,039,777	655
* ^ Neuralstem Inc.	381,401	629
* NanoViricides Inc.	762,186	627
* ^ Oncocyte Corp.	296,293	622
* ^ Fulgent Genetics Inc.	155,059	617
* OvaScience Inc.	760,632	617
Digirad Corp.	390,206	605
* ^ Actinium Pharmaceuticals Inc.	1,627,208	594
* Vical Inc.	393,089	570
* Leap Therapeutics Inc.	67,608	561
* ^ Capricor Therapeutics Inc.	408,359	555
* ^ ReShape Lifesciences Inc.	379,436	550
* Edge Therapeutics Inc.	464,871	549
* CAS Medical Systems Inc.	424,399	535
* Aileron Therapeutics Inc.	63,175	514
* ^ Evolus Inc.	52,845	477
* ARMO BioSciences Inc.	12,710	475
* ^ Cleveland BioLabs Inc.	155,269	469
* Five Star Senior Living Inc.	323,637	421
* ^ TapImmune Inc.	125,509	417
* ^ Myomo Inc.	138,954	413
* ^ Aethlon Medical Inc.	326,146	388
* ^ Sensus Healthcare Inc.	66,130	386
* ^ Tonix Pharmaceuticals Holding Corp.	130,509	384
* ^ Wright Medical Group Inc. CVR	288,011	383
* ^ Quanterix Corp.	22,069	376
* ^ Tracon Pharmaceuticals Inc.	159,270	366
* ^ InVivo Therapeutics Holdings Corp.	684,677	366
* Avenue Therapeutics Inc.	80,698	363
* ^ ContraVir Pharmaceuticals Inc.	1,553,823	357
* ^ IsoRay Inc.	848,470	357
* ^ Cyclacel Pharmaceuticals Inc.	262,733	355
* ^ Biomerica Inc.	87,053	352
* Biolase Inc.	857,379	349
Vaxart Inc.	68,320	346
* ^ Bio-Path Holdings Inc.	172,093	344
* ^ Catasys Inc.	70,338	338
Diversicare Healthcare Services Inc.	44,377	334
* ^ Champions Oncology Inc.	91,690	332
* ^ Titan Pharmaceuticals Inc.	314,060	330
* ^ Diffusion Pharmaceuticals Inc.	598,788	327
* Soligenix Inc.	164,445	321
* ^ CEL-SCI Corp.	215,407	304
* ^ Microbot Medical Inc.	448,366	303
* ^ Eleven Biotherapeutics Inc.	276,057	290
* Proteon Therapeutics Inc.	114,390	286
* ^ AzurRx BioPharma Inc.	90,434	284
* ^ Aradigm Corp.	229,443	280
* ImmuCell Corp.	39,754	278
* ^ Ohr Pharmaceutical Inc.	1,229,202	270

* ^ SELLAS Life Sciences Group Inc.	78,173	270
* ^ Oncobiologics Inc.	298,375	266
* ^ Trovogene Inc.	740,594	259
* ^ CorMedix Inc.	1,340,125	243
* ^ Chiasma Inc.	161,721	243
* Checkpoint Therapeutics Inc.	54,915	241
* PLx Pharma Inc.	67,837	227
^ Altimune Inc.	177,700	206
* Pro-Dex Inc.	27,970	192
* Arcus Biosciences Inc.	12,220	189
* Retractable Technologies Inc.	177,573	183
* ^ Novus Therapeutics Inc.	32,860	158
* ^ Cytori Therapeutics Inc.	546,165	156
* ^ Achieve Life Sciences Inc.	122,218	155
* ^ Biocept Inc.	512,481	151
* Bioanalytical Systems Inc.	92,933	149
* ^ iBio Inc.	683,866	148
* Fibrocell Science Inc.	241,312	142
* ^ Sonoma Pharmaceuticals Inc.	38,184	141
* ^ Pulmatrix Inc.	257,404	131
* ^ Onconova Therapeutics Inc.	143,903	120
* ^ Cellectar Biosciences Inc.	97,148	110
* ^ Apricus Biosciences Inc.	268,463	109
* ^ Hemispherx Biopharma Inc.	275,268	109
* Homology Medicines Inc.	5,595	105
* ^ Anthera Pharmaceuticals Inc.	279,216	89
* ^ Heat Biologics Inc.	50,309	82
* Eyenovia Inc.	8,038	75
* Co-Diagnostics Inc.	32,012	70
* Citius Pharmaceuticals Inc.	22,052	68
* ^ Soleno Therapeutics Inc.	37,205	67
* ^ OpGen Inc.	34,783	58
* ^ Cesca Therapeutics Inc.	26,268	53
* ProPhase Labs Inc.	16,508	49
* ^ Milestone Scientific Inc.	63,770	46
* ^ Dare Bioscience Inc.	47,341	40
* ^ NovaBay Pharmaceuticals Inc.	11,471	40
* American Shared Hospital Services	4,591	12
* ^ AquaBounty Technologies Inc.	3,550	10
* Galena Biopharma Inc Warrants Exp. 03/18/2020	157,500	—
* Sunesis Pharmaceuticals Inc. Warrants Exp. 10/27/2018	12,500	—
		83,997,899

Industrials (13.4%)

Boeing Co.	14,517,780	4,760,090
3M Co.	14,689,070	3,224,545
General Electric Co.	213,956,230	2,884,130
Honeywell International Inc.	18,538,960	2,679,065
Union Pacific Corp.	19,224,377	2,584,333
United Technologies Corp.	18,741,967	2,358,114
Accenture plc Class A	15,215,904	2,335,641
Caterpillar Inc.	14,739,086	2,172,246
* PayPal Holdings Inc.	28,129,941	2,134,219
Lockheed Martin Corp.	5,988,588	2,023,724
United Parcel Service Inc. Class B	16,980,875	1,777,218
Raytheon Co.	7,118,469	1,536,308
Danaher Corp.	15,490,863	1,516,710
Northrop Grumman Corp.	4,295,692	1,499,712

FedEx Corp.	5,946,503	1,427,815
General Dynamics Corp.	6,228,365	1,375,846
Deere & Co.	7,971,813	1,238,182
Automatic Data Processing Inc.	10,390,373	1,179,100
CSX Corp.	20,794,976	1,158,488
Illinois Tool Works Inc.	7,158,819	1,121,501
Emerson Electric Co.	15,661,471	1,069,678
Norfolk Southern Corp.	7,002,999	950,867
Waste Management Inc.	10,684,307	898,764
Eaton Corp. plc	10,866,149	868,314
TE Connectivity Ltd.	8,658,530	864,987
Sherwin-Williams Co.	2,075,618	813,891
Johnson Controls International plc	22,848,757	805,190
Fidelity National Information Services Inc.	8,164,103	786,203
* Fiserv Inc.	10,275,330	732,734
Roper Technologies Inc.	2,523,260	708,254
Amphenol Corp. Class A	7,535,524	649,035
Cummins Inc.	3,878,644	628,689
* Worldpay Inc. Class A	7,394,086	608,090
Fortive Corp.	7,722,495	598,648
PACCAR Inc.	8,680,553	574,392
Parker-Hannifin Corp.	3,275,692	560,242
Rockwell Automation Inc.	3,152,959	549,245
Rockwell Collins Inc.	4,027,302	543,082
Agilent Technologies Inc.	7,960,793	532,577
Ingersoll-Rand plc	6,162,329	526,941
Paychex Inc.	7,972,426	491,022
Waste Connections Inc.	6,511,359	467,125
* FleetCor Technologies Inc.	2,215,079	448,553
Global Payments Inc.	3,927,436	437,988
AMETEK Inc.	5,702,649	433,230
WestRock Co.	6,289,258	403,582
* Verisk Analytics Inc. Class A	3,859,905	401,430
L3 Technologies Inc.	1,928,099	401,045
Fastenal Co.	7,091,768	387,140
Dover Corp.	3,805,439	373,770
WW Grainger Inc.	1,320,506	372,739
Vulcan Materials Co.	3,263,020	372,539
* Mettler-Toledo International Inc.	628,256	361,266
* United Rentals Inc.	2,081,032	359,457
Cintas Corp.	2,100,052	358,227
TransDigm Group Inc.	1,158,105	355,469
Republic Services Inc. Class A	5,317,716	352,192
Total System Services Inc.	4,078,277	351,792
Ball Corp.	8,637,600	342,999
Textron Inc.	5,814,111	342,858
Xylem Inc.	4,429,174	340,692
* CoStar Group Inc.	891,756	323,422
CH Robinson Worldwide Inc.	3,438,753	322,246
Martin Marietta Materials Inc.	1,551,915	321,712
Broadridge Financial Solutions Inc.	2,873,854	315,233
Masco Corp.	7,723,916	312,355
* XPO Logistics Inc.	2,958,185	301,173
Huntington Ingalls Industries Inc.	1,103,528	284,445
Kansas City Southern	2,541,382	279,171
Expeditors International of Washington Inc.	4,355,580	275,708
Pentair plc	4,025,048	274,226

IDEX Corp.	1,888,964	269,196
Packaging Corp. of America	2,325,254	262,056
* TransUnion	4,531,455	257,296
Old Dominion Freight Line Inc.	1,726,275	253,711
JB Hunt Transport Services Inc.	2,164,113	253,526
Alliance Data Systems Corp.	1,158,766	246,655
Arconic Inc.	10,688,259	246,257
* Keysight Technologies Inc.	4,631,906	242,666
Spirit AeroSystems Holdings Inc. Class A	2,822,274	236,224
Jack Henry & Associates Inc.	1,903,869	230,273
AO Smith Corp.	3,589,384	228,249
* Trimble Inc.	6,217,777	223,094
Owens Corning	2,754,141	221,433
Fortune Brands Home & Security Inc.	3,730,478	219,688
* Sensata Technologies Holding plc	4,220,100	218,728
Cognex Corp.	4,065,054	211,342
Jacobs Engineering Group Inc.	3,493,461	206,638
PerkinElmer Inc.	2,715,350	205,606
* IPG Photonics Corp.	860,596	200,846
Allegion plc	2,347,522	200,220
Lennox International Inc.	965,542	197,328
Fluor Corp.	3,446,696	197,220
Graco Inc.	4,187,261	191,442
ManpowerGroup Inc.	1,631,342	187,767
Orbital ATK Inc.	1,415,497	187,709
* Zebra Technologies Corp.	1,313,856	182,876
* First Data Corp. Class A	11,318,522	181,096
* Berry Global Group Inc.	3,233,993	177,255
Sealed Air Corp.	4,133,687	176,880
Nordson Corp.	1,286,144	175,353
Wabtec Corp.	2,131,346	173,492
Xerox Corp.	5,963,916	171,641
FLIR Systems Inc.	3,417,086	170,888
Robert Half International Inc.	2,921,496	169,125
* Crown Holdings Inc.	3,298,654	167,407
* Arrow Electronics Inc.	2,159,376	166,315
* WEX Inc.	1,061,135	166,195
* HD Supply Holdings Inc.	4,371,195	165,843
Hubbell Inc. Class B	1,350,881	164,510
Carlisle Cos. Inc.	1,521,317	158,841
Toro Co.	2,517,008	157,187
BWX Technologies Inc.	2,461,035	156,350
* Teledyne Technologies Inc.	832,441	155,808
Knight-Swift Transportation Holdings Inc.	3,291,615	151,447
National Instruments Corp.	2,920,847	147,707
Acuity Brands Inc.	1,040,444	144,819
Donaldson Co. Inc.	3,207,072	144,479
Hexcel Corp.	2,219,621	143,365
Oshkosh Corp.	1,844,204	142,502
* AECOM	3,926,748	139,910
Flowserve Corp.	3,224,622	139,723
AptarGroup Inc.	1,541,902	138,509
Lincoln Electric Holdings Inc.	1,539,146	138,446
MDU Resources Group Inc.	4,844,322	136,416
Watsco Inc.	749,875	135,705
HEICO Corp. Class A	1,870,989	132,747
Curtiss-Wright Corp.	980,653	132,457

Booz Allen Hamilton Holding Corp. Class A	3,403,477	131,783
* Quanta Services Inc.	3,802,676	130,622
Allison Transmission Holdings Inc.	3,284,970	128,311
Littelfuse Inc.	597,974	124,486
Avnet Inc.	2,966,993	123,902
* Stericycle Inc.	2,103,564	123,122
Genpact Ltd.	3,811,165	121,919
Trinity Industries Inc.	3,724,807	121,540
Sonoco Products Co.	2,458,387	119,232
Jabil Inc.	4,119,991	118,367
Eagle Materials Inc.	1,141,958	117,679
Graphic Packaging Holding Co.	7,638,498	117,251
Crane Co.	1,244,816	115,444
* Coherent Inc.	612,975	114,871
Landstar System Inc.	1,036,267	113,627
EMCOR Group Inc.	1,444,798	112,593
AGCO Corp.	1,662,825	107,834
* Genesee & Wyoming Inc. Class A	1,517,623	107,433
MAXIMUS Inc.	1,603,352	107,008
ITT Inc.	2,169,821	106,278
Universal Display Corp.	1,043,089	105,352
Air Lease Corp. Class A	2,424,244	103,321
Louisiana-Pacific Corp.	3,581,957	103,053
* Kirby Corp.	1,324,390	101,912
MSC Industrial Direct Co. Inc. Class A	1,110,473	101,841
* On Assignment Inc.	1,222,471	100,096
Woodward Inc.	1,363,366	97,699
* Euronet Worldwide Inc.	1,236,496	97,584
Bemis Co. Inc.	2,238,300	97,411
Ryder System Inc.	1,302,018	94,774
* Conduent Inc.	4,939,504	92,072
* CoreLogic Inc.	2,030,218	91,827
John Bean Technologies Corp.	782,321	88,715
* KLX Inc.	1,245,720	88,521
Deluxe Corp.	1,188,938	87,993
* Owens-Illinois Inc.	4,022,570	87,129
* USG Corp.	2,100,456	84,900
Brink's Co.	1,183,053	84,411
* Summit Materials Inc. Class A	2,722,265	82,430
* Cimpress NV	529,374	81,894
Kennametal Inc.	1,998,652	80,266
Regal Beloit Corp.	1,093,225	80,188
Timken Co.	1,737,424	79,227
* Trex Co. Inc.	727,346	79,113
Valmont Industries Inc.	533,673	78,076
* MasTec Inc.	1,629,000	76,644
* Rexnord Corp.	2,566,440	76,172
Barnes Group Inc.	1,250,248	74,877
* ^ Proto Labs Inc.	624,649	73,427
Macquarie Infrastructure Corp.	1,975,979	72,973
* WESCO International Inc.	1,158,875	71,908

EnerSys	1,034,531	71,765
Belden Inc.	1,036,596	71,463
Terex Corp.	1,908,859	71,410
MSA Safety Inc.	852,151	70,933
* RBC Bearings Inc.	570,273	70,828
* Generac Holdings Inc.	1,541,999	70,793

Applied Industrial Technologies Inc.	951,963	69,398
Korn/Ferry International	1,322,926	68,250
Tetra Tech Inc.	1,382,042	67,651
* TopBuild Corp.	882,783	67,551
* AMN Healthcare Services Inc.	1,181,422	67,046
GATX Corp.	938,989	64,311
Maxar Technologies Ltd.	1,390,187	64,296
Insperty Inc.	923,246	64,212
* Moog Inc. Class A	769,618	63,424
* Colfax Corp.	1,979,896	63,159
* Armstrong World Industries Inc.	1,116,527	62,860
* Clean Harbors Inc.	1,270,814	62,028
UniFirst Corp.	379,452	61,338
Vishay Intertechnology Inc.	3,260,777	60,650
Simpson Manufacturing Co. Inc.	1,044,362	60,145
* Itron Inc.	813,761	58,225
* II-VI Inc.	1,386,215	56,696
KBR Inc.	3,448,926	55,838
* Builders FirstSource Inc.	2,795,153	55,456
Granite Construction Inc.	982,034	54,856
ABM Industries Inc.	1,617,046	54,139
* Esterline Technologies Corp.	737,596	53,955
* Rogers Corp.	448,861	53,657
Watts Water Technologies Inc. Class A	688,496	53,496
Silgan Holdings Inc.	1,916,438	53,373
* Anixter International Inc.	701,446	53,135
* Gardner Denver Holdings Inc.	1,704,462	52,293
* JELD-WEN Holding Inc.	1,689,437	51,731
Convergys Corp.	2,249,895	50,893
* Plexus Corp.	838,399	50,078
Exponent Inc.	634,952	49,939
* SPX FLOW Inc.	994,183	48,904
*,^ Axon Enterprise Inc.	1,240,201	48,752
* TriNet Group Inc.	1,033,091	47,853
Mobile Mini Inc.	1,098,771	47,797
* Saia Inc.	632,869	47,560
* Aerojet Rocketdyne Holdings Inc.	1,676,762	46,899
Universal Forest Products Inc.	1,437,187	46,637
* Meritor Inc.	2,196,997	45,170
Albany International Corp.	719,217	45,095
* FTI Consulting Inc.	924,857	44,772
* ExlService Holdings Inc.	796,672	44,430
* WageWorks Inc.	978,902	44,246
* Integer Holdings Corp.	779,717	44,093
* Sanmina Corp.	1,673,271	43,756
* Floor & Decor Holdings Inc. Class A	822,287	42,858
* Masonite International Corp.	698,177	42,833
Mueller Water Products Inc. Class A	3,920,160	42,612
Otter Tail Corp.	980,554	42,507
Schneider National Inc. Class B	1,628,330	42,434
Covanta Holding Corp.	2,918,516	42,318
* Navistar International Corp.	1,209,828	42,308
Kaman Corp.	679,002	42,180
Brady Corp. Class A	1,128,669	41,930
World Fuel Services Corp.	1,674,103	41,099

* Harsco Corp.	1,982,358	40,936
EnPro Industries Inc.	525,581	40,669

Greif Inc. Class A	775,203	40,504
* Novanta Inc.	769,388	40,124
Franklin Electric Co. Inc.	974,616	39,716
Triton International Ltd.	1,290,317	39,484
Forward Air Corp.	736,623	38,938
Cubic Corp.	609,337	38,754
Werner Enterprises Inc.	1,059,484	38,671
* Ambarella Inc.	783,567	38,387
AAON Inc.	983,182	38,344
* American Woodmark Corp.	388,701	38,268
Comfort Systems USA Inc.	923,642	38,100
* Atlas Air Worldwide Holdings Inc.	629,780	38,070
Sun Hydraulics Corp.	699,491	37,465
Benchmark Electronics Inc.	1,237,436	36,937
Boise Cascade Co.	955,573	36,885
* Paylocity Holding Corp.	718,016	36,784
Chicago Bridge & Iron Co. NV	2,521,854	36,315
AAR Corp.	814,879	35,944
ManTech International Corp. Class A	645,155	35,787
Mueller Industries Inc.	1,361,283	35,611
Greenbrier Cos. Inc.	707,432	35,548
ESCO Technologies Inc.	600,180	35,141
Methode Electronics Inc.	896,363	35,048
* Cotiviti Holdings Inc.	1,015,442	34,972
General Cable Corp.	1,179,652	34,918
Actuant Corp. Class A	1,487,804	34,591
* Patrick Industries Inc.	559,074	34,579
* Imperva Inc.	794,951	34,421
* TTM Technologies Inc.	2,250,177	34,405
HEICO Corp.	396,210	34,395
* Milacron Holdings Corp.	1,706,249	34,364
Altra Industrial Motion Corp.	725,042	33,316
* MINDBODY Inc. Class A	847,919	32,984
* Hub Group Inc. Class A	788,049	32,980
* SPX Corp.	1,007,123	32,711
Federal Signal Corp.	1,466,969	32,303
* Air Transport Services Group Inc.	1,380,836	32,201
Badger Meter Inc.	678,520	31,992
* Advanced Disposal Services Inc.	1,434,129	31,952
Raven Industries Inc.	879,596	30,830
* Installed Building Products Inc.	511,176	30,696
* BMC Stock Holdings Inc.	1,566,143	30,618
H&E Equipment Services Inc.	790,376	30,422
Apogee Enterprises Inc.	699,450	30,321
McGrath RentCorp	564,689	30,318
Standex International Corp.	314,364	29,975
* TriMas Corp.	1,121,899	29,450
Triumph Group Inc.	1,162,798	29,302
* OSI Systems Inc.	441,253	28,801
Tennant Co.	425,226	28,788
Matson Inc.	1,004,285	28,763
US Ecology Inc.	538,236	28,688
Wabash National Corp.	1,375,216	28,618
* Sykes Enterprises Inc.	985,676	28,525
Astec Industries Inc.	507,878	28,025
AZZ Inc.	637,412	27,855
* Knowles Corp.	2,184,581	27,504

Encore Wire Corp.	483,044	27,389
Aircastle Ltd.	1,374,246	27,293
* Fabrinet	868,961	27,268
* Gibraltar Industries Inc.	789,190	26,714
* Continental Building Products Inc.	925,683	26,428
* TrueBlue Inc.	1,016,710	26,333
Viad Corp.	500,579	26,255
Kadant Inc.	276,094	26,091
Primoris Services Corp.	1,035,871	25,876
Materion Corp.	499,518	25,500
ICF International Inc.	436,184	25,495
* Cardtronics plc Class A	1,130,995	25,232
Alamo Group Inc.	227,770	25,032
* GMS Inc.	814,890	24,903
Lindsay Corp.	262,729	24,024
* FARO Technologies Inc.	408,872	23,878
* Aerovironment Inc.	524,672	23,878
*,^ US Concrete Inc.	386,899	23,369
* CBIZ Inc.	1,279,059	23,343
Multi-Color Corp.	352,426	23,278
EVERTEC Inc.	1,420,166	23,220
Douglas Dynamics Inc.	528,154	22,895
* KEMET Corp.	1,246,554	22,600
^ ADT Inc.	2,843,611	22,550
* Casella Waste Systems Inc. Class A	958,795	22,417
*,^ Evolent Health Inc. Class A	1,561,717	22,254
MTS Systems Corp.	429,257	22,171
* Kratos Defense & Security Solutions Inc.	2,150,379	22,127
Manitowoc Co. Inc.	774,977	22,056
* Tutor Perini Corp.	989,769	21,824
* PGT Innovations Inc.	1,165,026	21,728
* Navigant Consulting Inc.	1,122,864	21,604
^ Sturm Ruger & Co. Inc.	408,415	21,442
Marten Transport Ltd.	935,719	21,334
Advanced Drainage Systems Inc.	823,377	21,325
Kelly Services Inc. Class A	730,183	21,204
AVX Corp.	1,273,152	21,071
CTS Corp.	769,075	20,919
Heartland Express Inc.	1,149,180	20,674
* Huron Consulting Group Inc.	542,121	20,655
Schnitzer Steel Industries Inc.	638,326	20,650
* Veeco Instruments Inc.	1,184,939	20,144
* Atkore International Group Inc.	983,681	19,526
Quad/Graphics Inc.	768,465	19,481
* Lydall Inc.	402,016	19,397
ArcBest Corp.	599,264	19,206
* NCI Building Systems Inc.	1,080,407	19,123
* Gates Industrial Corp. plc	1,059,487	18,552
*,^ MACOM Technology Solutions Holdings Inc.	1,103,549	18,319
* Thermon Group Holdings Inc.	807,516	18,096
* Echo Global Logistics Inc.	646,696	17,849
CIRCOR International Inc.	409,893	17,486
* Aegion Corp. Class A	759,877	17,409
Global Brass & Copper Holdings Inc.	517,321	17,304
Columbus McKinnon Corp.	475,365	17,037

*,^ Inovalon Holdings Inc. Class A	1,497,381	15,872
Griffon Corp.	867,509	15,832

Kforce Inc.	583,846	15,793
Argan Inc.	367,644	15,790
* DXP Enterprises Inc.	396,515	15,444
NN Inc.	641,903	15,406
* Electro Scientific Industries Inc.	787,562	15,224
* Astronics Corp.	402,974	15,031
RR Donnelley & Sons Co.	1,716,938	14,989
Quanex Building Products Corp.	854,080	14,861
REV Group Inc.	713,180	14,806
Gorman-Rupp Co.	501,450	14,667
Myers Industries Inc.	691,168	14,618
Hyster-Yale Materials Handling Inc.	206,633	14,450
LSC Communications Inc.	813,579	14,197
* Wesco Aircraft Holdings Inc.	1,380,159	14,147
* Donnelley Financial Solutions Inc.	823,670	14,142
Cass Information Systems Inc.	237,644	14,142
Barrett Business Services Inc.	170,149	14,102
Heidrick & Struggles International Inc.	435,214	13,600
*,^ American Outdoor Brands Corp.	1,306,526	13,483
Spartan Motors Inc.	777,193	13,368
* TimkenSteel Corp.	871,318	13,235
* Vicor Corp.	435,714	12,440
RPX Corp.	1,152,939	12,325
Insteel Industries Inc.	440,921	12,183
* Control4 Corp.	565,020	12,137
* MYR Group Inc.	385,799	11,890
Ennis Inc.	596,227	11,746
Mesa Laboratories Inc.	78,502	11,653
Resources Connection Inc.	702,424	11,379
* NV5 Global Inc.	200,264	11,165
* Engility Holdings Inc.	457,241	11,157
* Ply Gem Holdings Inc.	513,140	11,084
VSE Corp.	211,954	10,962
* Everi Holdings Inc.	1,653,126	10,861
* InnerWorkings Inc.	1,150,211	10,409
TTEC Holdings Inc.	336,780	10,339
CRA International Inc.	191,041	9,990
* Kimball Electronics Inc.	617,081	9,966
B. Riley Financial Inc.	504,217	9,832
NVE Corp.	118,253	9,828
*,^ Team Inc.	695,135	9,558
* Cross Country Healthcare Inc.	850,397	9,448
* International Seaways Inc.	535,546	9,426
* CAI International Inc.	435,637	9,262
DMC Global Inc.	345,642	9,246
* Eagle Bulk Shipping Inc.	1,796,531	8,893
* Covenant Transportation Group Inc. Class A	297,596	8,877
* Landec Corp.	676,346	8,826
* PHH Corp.	833,091	8,714
* Daseke Inc.	887,702	8,691
* Heritage-Crystal Clean Inc.	367,732	8,660
* Ducommun Inc.	278,697	8,467
Park Electrochemical Corp.	497,394	8,376
Park-Ohio Holdings Corp.	204,603	7,949

* Vishay Precision Group Inc.	253,801	7,906
* Mistras Group Inc.	415,320	7,866
Allied Motion Technologies Inc.	197,176	7,838

Daktronics Inc.	861,667	7,591
* ^ Energous Corp.	472,394	7,572
Hurco Cos. Inc.	162,816	7,473
* ServiceSource International Inc.	1,949,350	7,427
* Sterling Construction Co. Inc.	639,979	7,334
* ^ Energy Recovery Inc.	883,064	7,259
* YRC Worldwide Inc.	814,339	7,191
American Railcar Industries Inc.	188,389	7,048
* GP Strategies Corp.	307,882	6,974
* Armstrong Flooring Inc.	505,011	6,853
* Blue Bird Corp.	288,078	6,827
Essendant Inc.	874,737	6,823
* BlueLinx Holdings Inc.	203,099	6,619
* Franklin Covey Co.	243,153	6,541
* Great Lakes Dredge & Dock Corp.	1,408,260	6,478
* Layne Christensen Co.	430,447	6,422
Miller Industries Inc.	254,724	6,368
* Hill International Inc.	1,115,671	6,359
Powell Industries Inc.	234,015	6,281
* Willdan Group Inc.	211,109	5,985
Omega Flex Inc.	90,399	5,885
^ Advanced Emissions Solutions Inc.	514,401	5,874
* ^ CryoPort Inc.	660,693	5,682
* Foundation Building Materials Inc.	378,239	5,640
Hardinge Inc.	300,949	5,513
LSI Industries Inc.	669,774	5,432
* UFP Technologies Inc.	182,461	5,383
* Twin Disc Inc.	245,443	5,336
* PRGX Global Inc.	561,707	5,308
* Commercial Vehicle Group Inc.	669,377	5,188
Graham Corp.	237,610	5,090
* LB Foster Co. Class A	210,553	4,958
* Horizon Global Corp.	600,575	4,949
* Overseas Shipholding Group Inc. Class A	1,699,431	4,826
* ^ Maxwell Technologies Inc.	799,869	4,743
* USA Truck Inc.	183,331	4,673
* ^ Hudson Technologies Inc.	926,557	4,577
^ EnviroStar Inc.	115,641	4,539
* Era Group Inc.	482,581	4,512
* Sparton Corp.	255,893	4,455
* Nuvectra Corp.	338,203	4,403
Eastern Co.	154,082	4,391
Bel Fuse Inc. Class B	228,822	4,325
* Acacia Research Corp.	1,231,814	4,311
National Research Corp. Class B	87,371	4,237
National Research Corp. Class A	144,853	4,237
* Willis Lease Finance Corp.	121,637	4,170
FreightCar America Inc.	308,772	4,138
* Astronics Corp. Class B	111,320	4,117
* Orion Group Holdings Inc.	621,454	4,095
* Gencor Industries Inc.	251,320	4,046
* Information Services Group Inc.	964,217	4,030
Universal Logistics Holdings Inc.	184,833	3,909
* Northwest Pipe Co.	225,768	3,906
* ^ Forterra Inc.	467,345	3,888
BG Staffing Inc.	203,010	3,855
* Manitex International Inc.	336,769	3,849

Crawford & Co. Class A	437,179	3,506
*,^ CyberOptics Corp.	193,613	3,485
* Iteris Inc.	694,246	3,443
United States Lime & Minerals Inc.	46,612	3,411
* Intevac Inc.	491,946	3,394
*,^ ShotSpotter Inc.	127,158	3,370
CECO Environmental Corp.	752,337	3,348
* Radiant Logistics Inc.	857,780	3,320
* Napco Security Technologies Inc.	282,903	3,310
NACCO Industries Inc. Class A	99,351	3,264
* IES Holdings Inc.	206,891	3,134
* PFSweb Inc.	355,961	3,111
*,^ Asure Software Inc.	252,124	3,086
* IntriCon Corp.	152,977	3,060
*,^ Nuverra Environmental Solutions Inc.	129,335	2,991
Crawford & Co. Class B	342,589	2,816
* StarTek Inc.	274,531	2,685
Richardson Electronics Ltd.	336,052	2,672
* Houston Wire & Cable Co.	363,498	2,663
* Roadrunner Transportation Systems Inc.	1,026,628	2,608
^ Celadon Group Inc.	696,454	2,577
*,^ Huttig Building Products Inc.	492,582	2,576
* Lawson Products Inc.	100,929	2,548
* Transcat Inc.	161,258	2,524
* PAM Transportation Services Inc.	66,676	2,424
* Goldfield Corp.	590,960	2,275
* ARC Document Solutions Inc.	1,014,895	2,233
* Aspen Aerogels Inc.	501,784	2,143
*,^ MicroVision Inc.	1,885,440	2,131
Global Water Resources Inc.	235,836	2,115
*,^ ExOne Co.	279,558	2,035
* Ultralife Corp.	200,885	2,009
* Arotech Corp.	636,010	1,940
* General Finance Corp.	261,649	1,897
* Xerium Technologies Inc.	285,836	1,844
*,^ Workhorse Group Inc.	660,953	1,745
Steel Connect Inc.	810,199	1,718
* Perceptron Inc.	195,912	1,675
*,^ CUI Global Inc.	643,279	1,672
* Frequency Electronics Inc.	191,069	1,672
* DHI Group Inc.	1,001,975	1,603
* Sharps Compliance Corp.	341,266	1,549
*,^ Babcock & Wilcox Enterprises Inc.	345,252	1,509
* Luna Innovations Inc.	461,527	1,495
* CPI Aerostructures Inc.	149,909	1,462
*,^ UQM Technologies Inc.	1,096,725	1,415
*,^ Revolution Lighting Technologies Inc.	388,578	1,333
* Perma-Pipe International Holdings Inc.	136,141	1,232
*,^ Aqua Metals Inc.	472,524	1,224
* Hudson Global Inc.	604,126	1,172
* Limbach Holdings Inc.	91,251	1,130
* Mattersight Corp.	535,988	1,126
* Ballantyne Strong Inc.	233,667	1,040
*,^ LightPath Technologies Inc. Class A	472,290	1,039
*,^ Capstone Turbine Corp.	886,553	1,015
Espey Manufacturing & Electronics Corp.	36,513	957
* Universal Technical Institute Inc.	323,666	952

* ^ ClearSign Combustion Corp.	464,971	942
* ALJ Regional Holdings Inc.	433,960	911
* IEC Electronics Corp.	192,084	863
* ^ Odyssey Marine Exploration Inc.	102,906	851
* Lincoln Educational Services Corp.	411,937	795
* ^ eMagin Corp.	545,071	790
* Perma-Fix Environmental Services	190,337	790
* Wireless Telecom Group Inc.	316,572	772
* ^ Applied DNA Sciences Inc.	516,369	744
Issuer Direct Corp.	43,268	736
* Innovative Solutions & Support Inc.	206,801	730
* Taylor Devices Inc.	67,427	728
Black Box Corp.	322,731	645
Greif Inc. Class B	11,048	644
* ^ Lightbridge Corp.	506,800	593
* Volt Information Sciences Inc.	184,537	563
* ^ Energy Focus Inc.	215,166	544
AMCON Distributing Co.	5,948	535
* ^ Vertex Energy Inc.	440,810	494
* SigmaTron International Inc.	84,764	492
RF Industries Ltd.	106,818	491
* Air T Inc.	19,270	482
* Broadwind Energy Inc.	217,860	479
* Cardlytics Inc.	32,504	476
* ^ Medical Transcription Billing Corp.	138,038	460
* Tecogen Inc.	159,320	456
* ^ Synthesis Energy Systems Inc.	167,199	448
* ASV Holdings Inc.	54,894	399
Chicago Rivet & Machine Co.	11,328	355
* ^ Centrex Inc.	120,430	343
* ^ Air Industries Group	222,863	343
* ^ Orion Energy Systems Inc.	393,206	334
* Image Sensing Systems Inc.	74,588	317
* DLH Holdings Corp.	52,984	309
* AMREP Corp.	41,838	301
* ^ Research Frontiers Inc.	305,937	298
* ^ Polar Power Inc.	54,712	271
* Pioneer Power Solutions Inc.	41,047	261
* ^ Digital Ally Inc.	99,249	258
* Fuel Tech Inc.	210,278	252
Ecology and Environment Inc.	21,480	249
* ^ EnSync Inc.	618,294	234
* ^ Turtle Beach Corp.	360,823	216
* ^ GEE Group Inc.	81,570	216
* Sypris Solutions Inc.	127,117	207
* ^ Payment Data Systems Inc.	111,311	203
* Continental Materials Corp.	8,941	175
* ENGGlobal Corp.	210,413	175
Bel Fuse Inc. Class A	10,580	175
* Rubicon Technology Inc.	24,849	173
* Echelon Corp.	30,896	142
* Industrial Services of America Inc.	55,088	136
* JetPay Corp.	56,499	130
* AeroCentury Corp.	6,716	116
* ^ Coda Octopus Group Inc.	27,130	94
* SIFCO Industries Inc.	16,533	91
* ^ Astrotech Corp.	34,437	91

* Quest Resource Holding Corp.	39,194	87
* Command Security Corp.	25,285	77
*,^ Professional Diversity Network Inc.	17,385	49
Servotronics Inc.	4,914	49
*,^ American Electric Technologies Inc.	43,277	48
* SG Blocks Inc.	8,584	40
* Electro-Sensors Inc.	1,291	5
* Jewett-Cameron Trading Co. Ltd.	185	3
*,^ Patriot National Inc.	129,819	2
* Dorian LPG Ltd.	20	—
*,2 LGL Group Inc. Warrants Exp. 06/08/2018	3,000	—
		89,812,547

Oil & Gas (5.5%)

Exxon Mobil Corp.	104,531,661	7,799,107
Chevron Corp.	47,128,688	5,374,556
Schlumberger Ltd.	34,154,204	2,212,509
ConocoPhillips	28,982,756	1,718,388
EOG Resources Inc.	14,264,572	1,501,631
Occidental Petroleum Corp.	18,873,496	1,226,022
Phillips 66	11,248,960	1,079,000
Valero Energy Corp.	10,789,586	1,000,950
Halliburton Co.	19,433,492	912,208
Marathon Petroleum Corp.	12,045,827	880,670
Anadarko Petroleum Corp.	13,139,101	793,733
Pioneer Natural Resources Co.	4,201,711	721,770
Kinder Morgan Inc.	46,248,833	696,507
ONEOK Inc.	10,051,338	572,122
* Concho Resources Inc.	3,676,330	552,663
Williams Cos. Inc.	20,397,352	507,078
Devon Energy Corp.	12,983,881	412,758
Hess Corp.	7,383,664	373,761
Noble Energy Inc.	12,014,143	364,029
Andeavor	3,600,520	362,068
Apache Corp.	9,401,550	361,772
National Oilwell Varco Inc.	9,399,371	345,991
Marathon Oil Corp.	20,971,885	338,277
EQT Corp.	6,524,663	309,987
* Diamondback Energy Inc.	2,421,279	306,340
Baker Hughes a GE Co.	10,572,597	293,601
Cabot Oil & Gas Corp.	11,415,825	273,751
* Cheniere Energy Inc.	4,980,329	266,199
Targa Resources Corp.	5,399,745	237,589
Cimarex Energy Co.	2,354,736	220,168
HollyFrontier Corp.	4,372,652	213,648
* Parsley Energy Inc. Class A	5,912,194	171,395
Helmerich & Payne Inc.	2,553,206	169,941
OGE Energy Corp.	4,924,289	161,369
* Energen Corp.	2,401,476	150,957
* RSP Permian Inc.	3,131,024	146,782
* WPX Energy Inc.	9,836,958	145,390
* First Solar Inc.	1,932,987	137,203

* Continental Resources Inc.	2,317,070	136,591
* Newfield Exploration Co.	4,920,230	120,152
Core Laboratories NV	1,092,878	118,271
* Antero Resources Corp.	5,872,629	116,572
*,^ Transocean Ltd.	10,756,941	106,494
Murphy Oil Corp.	4,046,778	104,569

Patterson-UTI Energy Inc.	5,494,596	96,210
Range Resources Corp.	6,108,109	88,812
PBF Energy Inc. Class A	2,575,883	87,322
* Centennial Resource Development Inc. Class A	4,514,004	82,832
* PDC Energy Inc.	1,626,281	79,737
Delek US Holdings Inc.	1,869,540	76,090
* Whiting Petroleum Corp.	2,240,852	75,830
* Matador Resources Co.	2,291,806	68,548
* Callon Petroleum Co.	4,985,194	66,004
*,^ Chesapeake Energy Corp.	21,342,138	64,453
* Oasis Petroleum Inc.	7,762,078	62,873
* Southwestern Energy Co.	14,476,947	62,685
* QEP Resources Inc.	5,959,880	58,347
* SRC Energy Inc.	5,943,768	56,050
*,^ Weatherford International plc	24,419,496	55,921
* CNX Resources Corp.	3,590,113	55,395
Nabors Industries Ltd.	7,502,297	52,441
SM Energy Co.	2,745,726	49,505
Ensco plc Class A	10,706,831	47,003
Oceaneering International Inc.	2,445,968	45,348
* Chart Industries Inc.	760,639	44,901
* McDermott International Inc.	6,978,880	42,501
* Dril-Quip Inc.	941,399	42,175
SemGroup Corp. Class A	1,936,055	41,432
* C&J Energy Services Inc.	1,532,235	39,562
* Gulfport Energy Corp.	4,058,491	39,164
Pattern Energy Group Inc. Class A	2,177,930	37,656
* Oil States International Inc.	1,406,317	36,846
* Rowan Cos. plc Class A	3,103,789	35,818
* MRC Global Inc.	2,159,833	35,508
* Laredo Petroleum Inc.	3,893,325	33,911
* Superior Energy Services Inc.	3,784,669	31,905
* Carrizo Oil & Gas Inc.	1,907,131	30,514
* Extraction Oil & Gas Inc.	2,577,260	29,535
^ RPC Inc.	1,617,163	29,157
* Denbury Resources Inc.	9,910,335	27,154
* NOW Inc.	2,647,744	27,060
* Unit Corp.	1,299,188	25,672
* ProPetro Holding Corp.	1,548,800	24,610
*,^ Diamond Offshore Drilling Inc.	1,539,352	22,567
* Noble Corp. plc	6,038,421	22,403
* Exterran Corp.	835,731	22,314
* Forum Energy Technologies Inc.	1,987,471	21,862
* Alta Mesa Resources Inc.	2,605,878	20,847
* SEACOR Holdings Inc.	394,760	20,172
* Ultra Petroleum Corp.	4,822,247	20,109
* Helix Energy Solutions Group Inc.	3,466,867	20,073
* Ring Energy Inc.	1,394,330	20,009
*,^ Jagged Peak Energy Inc.	1,343,576	18,985
* Halcon Resources Corp.	3,659,139	17,820
*,^ California Resources Corp.	1,005,289	17,241
* Cactus Inc.	639,750	17,228
* Keane Group Inc.	1,107,697	16,394
*,^ Resolute Energy Corp.	472,006	16,355
* Newpark Resources Inc.	2,012,850	16,304
Green Plains Inc.	947,601	15,920
* Tidewater Inc.	545,524	15,607

Archrock Inc.	1,742,600	15,248
* ^ Tellurian Inc.	1,933,203	13,938
* HighPoint Resources Corp.	2,743,365	13,936
* Par Pacific Holdings Inc.	781,053	13,411
CVR Energy Inc.	430,060	12,996
* ^ SunPower Corp. Class A	1,538,990	12,281
* FTS International Inc.	666,045	12,249
* Stone Energy Corp.	324,763	12,049
* SandRidge Energy Inc.	826,926	11,999
* Bonanza Creek Energy Inc.	430,522	11,930
* ^ WildHorse Resource Development Corp.	622,539	11,884
* Renewable Energy Group Inc.	916,699	11,734
* Select Energy Services Inc. Class A	876,555	11,062
* Penn Virginia Corp.	304,873	10,683
* ^ Plug Power Inc.	5,608,925	10,601
* REX American Resources Corp.	144,513	10,521
* TETRA Technologies Inc.	2,701,226	10,130
* W&T Offshore Inc.	2,256,797	9,998
* Abraxas Petroleum Corp.	3,903,907	8,667
* Matrix Service Co.	617,688	8,462
* Flotek Industries Inc.	1,325,762	8,087
* Basic Energy Services Inc.	543,558	7,849
* Solaris Oilfield Infrastructure Inc. Class A	470,651	7,794
* ^ Enphase Energy Inc.	1,676,885	7,663
* SEACOR Marine Holdings Inc.	396,139	7,535
* TPI Composites Inc.	334,344	7,506
Panhandle Oil and Gas Inc. Class A	386,927	7,468
* Natural Gas Services Group Inc.	310,963	7,416
Bristow Group Inc.	564,780	7,342
* Trecora Resources	530,148	7,210
* ION Geophysical Corp.	264,764	7,175
* Mammoth Energy Services Inc.	221,778	7,110
* Green Brick Partners Inc.	618,520	6,742
* Midstates Petroleum Co. Inc.	465,615	6,207
* ^ Sanchez Energy Corp.	1,931,444	6,045
* ^ Zion Oil & Gas Inc.	1,223,768	5,825
* ^ Liberty Oilfield Services Inc. Class A	333,332	5,630
* Ameresco Inc. Class A	417,754	5,431
Evolution Petroleum Corp.	666,003	5,361
* SilverBow Resources Inc.	169,993	4,947
* Pioneer Energy Services Corp.	1,790,993	4,836
* Nine Energy Service Inc.	190,220	4,632
* Earthstone Energy Inc. Class A	442,914	4,482
* ^ CARBO Ceramics Inc.	531,072	3,850
* Dawson Geophysical Co.	534,709	3,604
* ^ FuelCell Energy Inc.	1,997,433	3,456
* PHI Inc. (Non-Voting Shares)	328,800	3,367
* NCS Multistage Holdings Inc.	216,831	3,252
* Energy XXI Gulf Coast Inc.	818,879	3,145
* Geospace Technologies Corp.	317,569	3,134
* Pacific Ethanol Inc.	1,042,957	3,129
* ^ Smart Sand Inc.	533,783	3,107
* Key Energy Services Inc.	260,791	3,056
* Independence Contract Drilling Inc.	792,781	2,997
Gulf Island Fabrication Inc.	379,466	2,694
* ^ Approach Resources Inc.	1,027,137	2,681
* ^ Lilis Energy Inc.	673,813	2,675

* ^ American Superconductor Corp.	440,279	2,562
* Comstock Resources Inc.	348,907	2,551
Adams Resources & Energy Inc.	56,816	2,472
* Gulfmark Offshore Inc.	84,648	2,455
* ^ Gastar Exploration Inc.	3,552,286	2,425
* Hornbeck Offshore Services Inc.	798,105	2,322
* ^ Northern Oil and Gas Inc.	1,056,723	2,092
* Contango Oil & Gas Co.	574,719	2,040
* Parker Drilling Co.	3,198,041	2,031
* Goodrich Petroleum Corp.	161,800	1,775
* ^ Isramco Inc.	17,021	1,767
* Lonestar Resources US Inc. Class A	400,880	1,740
* Eclipse Resources Corp.	1,179,038	1,698
* ^ Jones Energy Inc. Class A	1,997,029	1,598
* Ranger Energy Services Inc.	170,100	1,385
* ^ Erin Energy Corp.	378,180	1,380
* ^ EP Energy Corp. Class A	1,024,693	1,373
* ^ NextDecade Corp.	267,422	1,321
* ^ Torchlight Energy Resources Inc.	793,893	1,032
* VAALCO Energy Inc.	1,074,850	926
* ^ Stone Energy Corp. Warrants Exp. 02/28/2021	116,107	848
* Willbros Group Inc.	1,408,037	778
* Mitcham Industries Inc.	232,826	754
* PHI Inc. (Voting Shares)	70,397	717
* ^ Rosehill Resources Inc.	112,200	659
* ^ Ocean Power Technologies Inc.	499,865	535
* ^ Eco-Stim Energy Solutions Inc.	533,133	506
* ^ Enservco Corp.	553,228	503
* Quintana Energy Services Inc.	31,982	312
* PetroQuest Energy Inc.	447,372	260
* ^ Aemetis Inc.	139,286	237
* ^ Ideal Power Inc.	188,206	215
* Superior Drilling Products Inc.	114,640	190
* ^ Yuma Energy Inc.	141,728	154
* ^ Houston American Energy Corp.	378,349	118
* ^ SAExploration Holdings Inc.	25,156	34
* Tidewater Inc. Warrants Series A	8,839	32
* Tidewater Inc. Warrants Series B	9,555	29
* ^ Bonanza Creek Energy Inc. Warrants Exp. 04/28/2020	33,839	5
* Basic Energy Services Inc. Warrants Exp. 12/23/2023	4,640	3
* Rex Energy Corp.	302	—
2 Harvest Natural Resources Inc.	51,829	—

36,815,289

Other (0.0%)3

* 2 Dyax Corp. CVR Exp. 12/31/2019	2,750,063	5,500
* 2 Herbalife Ltd. CVR	234,057	2,270
* ^ 2 Babcock & Wilcox Enterprises Inc. Rights Exp. 04/30/2018	1,085,911	2,083
* ^ 2 Tobira Therapeutics CVR Exp. 12/31/2028	201,001	911
* 2 NewStar Financial Inc. CVR	551,185	271
* ^ 2 Ocera Therapeutics CVR Line	653,477	176
* 2 Ambit Biosciences Corp. CVR	201,330	121
* 2 Media General Inc. CVR	2,351,934	91
* 2 Omthera Pharmaceuticals Inc. CVR	121,311	73
* ^ Famous Dave's of America Inc. Rights Exp. 04/10/2018	20,157	73
* Kadmon Warrants Exp. 09/29/2022	169,257	61
* 2 Alexza Pharmaceuticals Inc. CVR	327,391	11
* 2 Achieve Life Sciences Inc. CVR	228,587	2

*2 Seventy Seven Energy Inc. Escrow Line	7,222	1
*2 Clinical Data CVR	216,285	—
*2 Chelsea Therapeutics International Ltd. CVR	1,157,305	—
*2 Adolor Corp. Rights Exp. 07/01/2019	592,629	—
*,^2 Biosante Pharmaceutical Inc. CVR	253,823	—
*2 NuPathe Inc. CVR	158,681	—
*,^2 Ditech Holding Corp Warrants Exp. 01/31/2028	43,103	—
*,^2 Ditech Holding Corp Series B Warrants Exp. 01/31/2028	34,201	—

11,644

Technology (19.3%)

Apple Inc.	112,662,178	18,902,460
Microsoft Corp.	189,957,882	17,337,456
* Facebook Inc. Class A	59,107,893	9,444,850
* Alphabet Inc. Class A	7,332,719	7,605,056
* Alphabet Inc. Class C	7,366,690	7,600,877
Intel Corp.	115,167,847	5,997,941
Cisco Systems Inc.	118,848,428	5,097,409
International Business Machines Corp.	22,840,661	3,504,443
Oracle Corp.	76,593,415	3,504,149
NVIDIA Corp.	13,454,277	3,115,876
* Adobe Systems Inc.	12,128,984	2,620,831
Texas Instruments Inc.	24,268,688	2,521,274
Broadcom Ltd.	10,127,189	2,386,472
QUALCOMM Inc.	36,522,408	2,023,707
* salesforce.com Inc.	16,921,480	1,967,968
* Micron Technology Inc.	28,525,346	1,487,312
Applied Materials Inc.	25,920,928	1,441,463
Cognizant Technology Solutions Corp. Class A	14,501,439	1,167,366
Intuit Inc.	5,999,722	1,040,052
HP Inc.	40,581,613	889,549
Analog Devices Inc.	9,188,642	837,361
Lam Research Corp.	4,018,865	816,473
DXC Technology Co.	7,048,338	708,569
* ServiceNow Inc.	4,259,124	704,672
* Autodesk Inc.	5,434,027	682,405
Hewlett Packard Enterprise Co.	38,651,494	677,947
Western Digital Corp.	7,341,046	677,358
* Red Hat Inc.	4,362,408	652,224
Corning Inc.	21,135,450	589,256
Microchip Technology Inc.	5,777,804	527,860
Harris Corp.	2,928,832	472,362
Xilinx Inc.	6,284,145	453,967
* Twitter Inc.	15,576,637	451,878
* Cerner Corp.	7,788,242	451,718
Skyworks Solutions Inc.	4,501,955	451,366
* Workday Inc. Class A	3,382,751	429,981
KLA-Tencor Corp.	3,865,152	421,340
Motorola Solutions Inc.	3,978,859	418,974
Maxim Integrated Products Inc.	6,936,835	417,736
NetApp Inc.	6,607,093	407,592
Symantec Corp.	15,331,098	396,309
* Palo Alto Networks Inc.	2,152,498	390,721

Seagate Technology plc	6,321,468	369,932
* Dell Technologies Inc. Class V	5,009,502	366,746
* Splunk Inc.	3,490,071	343,388
* ANSYS Inc.	2,069,631	324,290
* Square Inc.	6,299,383	309,930

* Synopsys Inc.	3,675,786	305,972
* Arista Networks Inc.	1,185,265	302,598
* Citrix Systems Inc.	3,192,808	296,293
* IAC/InterActiveCorp	1,894,217	296,218
* Akamai Technologies Inc.	3,959,950	281,077
CDW Corp.	3,775,468	265,453
CA Inc.	7,696,841	260,923
* ON Semiconductor Corp.	10,478,893	256,314
* Cadence Design Systems Inc.	6,967,475	256,194
* Gartner Inc.	2,128,082	250,305
Leidos Holdings Inc.	3,722,447	243,448
*,^ VeriSign Inc.	2,039,947	241,856
SS&C Technologies Holdings Inc.	4,312,192	231,306
*,^ Advanced Micro Devices Inc.	22,601,676	227,147
Juniper Networks Inc.	9,250,842	225,073
* PTC Inc.	2,868,764	223,792
Teradyne Inc.	4,836,446	221,074
* F5 Networks Inc.	1,524,896	220,515
* Qorvo Inc.	3,121,867	219,936
*,^ VMware Inc. Class A	1,781,443	216,036
CDK Global Inc.	3,316,077	210,040
Marvell Technology Group Ltd.	9,771,875	205,209
* GoDaddy Inc. Class A	3,259,507	200,199
* Veeva Systems Inc. Class A	2,732,286	199,512
* Fortinet Inc.	3,641,944	195,135
* CommScope Holding Co. Inc.	4,711,517	188,319
* Tyler Technologies Inc.	887,966	187,325
* Microsemi Corp.	2,885,018	186,718
*,^ Snap Inc.	10,957,743	173,899
* Ultimate Software Group Inc.	699,621	170,498
CSRA Inc.	4,033,955	166,320
MKS Instruments Inc.	1,339,625	154,928
Garmin Ltd.	2,556,797	150,672
* Guidewire Software Inc.	1,858,830	150,249
LogMeIn Inc.	1,292,354	149,331
* EPAM Systems Inc.	1,241,341	142,158
* athenahealth Inc.	989,995	141,599
* Proofpoint Inc.	1,242,112	141,166
* Aspen Technology Inc.	1,782,568	140,627
Cypress Semiconductor Corp.	7,806,779	132,403
* Cavium Inc.	1,631,440	129,504
* Tableau Software Inc. Class A	1,583,661	127,991
* Nutanix Inc.	2,590,568	127,223
*,^ Paycom Software Inc.	1,168,354	125,470
DST Systems Inc.	1,463,439	122,417
Entegris Inc.	3,494,046	121,593
Blackbaud Inc.	1,186,987	120,847
* Fair Isaac Corp.	708,000	119,914
* Teradata Corp.	2,987,650	118,520
* ARRIS International plc	4,390,002	116,642
* Nuance Communications Inc.	7,239,495	114,022
* Zendesk Inc.	2,377,386	113,805
Monolithic Power Systems Inc.	933,809	108,107
* 2U Inc.	1,224,001	102,853
* Integrated Device Technology Inc.	3,270,299	99,940
* Cree Inc.	2,462,843	99,277
* RingCentral Inc. Class A	1,526,174	96,912

* Silicon Laboratories Inc.	1,057,392	95,060
* NCR Corp.	3,008,575	94,830
*,^ Lumentum Holdings Inc.	1,461,100	93,218
* CACI International Inc. Class A	609,260	92,211
* Ciena Corp.	3,539,341	91,669
* HubSpot Inc.	837,707	90,724
*,^ ViaSat Inc.	1,379,225	90,643
j2 Global Inc.	1,134,892	89,566
SYNNEX Corp.	743,462	88,026
* Medidata Solutions Inc.	1,370,055	86,053
* Tech Data Corp.	938,818	79,922
* RealPage Inc.	1,534,515	79,028
* Dycom Industries Inc.	725,548	78,091
* New Relic Inc.	1,027,421	76,152
Science Applications International Corp.	956,155	75,345
* Ellie Mae Inc.	802,359	73,769
* FireEye Inc.	4,325,767	73,235
* Manhattan Associates Inc.	1,678,996	70,316
* ACI Worldwide Inc.	2,924,226	69,363
Cabot Microelectronics Corp.	631,358	67,625
* Verint Systems Inc.	1,572,439	66,986
* MuleSoft Inc. Class A	1,476,116	64,920
* Semtech Corp.	1,642,177	64,127
* Cirrus Logic Inc.	1,553,881	63,134
InterDigital Inc.	853,234	62,798
* Advanced Energy Industries Inc.	980,988	62,685
* Twilio Inc. Class A	1,614,634	61,647
* Avaya Holdings Corp.	2,733,972	61,241
* Envestnet Inc.	1,039,022	59,536
* Callidus Software Inc.	1,636,018	58,815
* Box Inc.	2,821,739	57,987
* Qualys Inc.	787,681	57,304
* CommVault Systems Inc.	999,934	57,196
* Pure Storage Inc. Class A	2,783,832	55,537
* Mercury Systems Inc.	1,134,811	54,834
* Allscripts Healthcare Solutions Inc.	4,420,857	54,598
* Viavi Solutions Inc.	5,584,426	54,281
* NetScout Systems Inc.	2,043,222	53,839
Pegasystems Inc.	868,842	52,695
* Cloudera Inc.	2,437,775	52,607
*,^ Match Group Inc.	1,174,194	52,181
* Cornerstone OnDemand Inc.	1,283,320	50,191
Pitney Bowes Inc.	4,589,541	49,980
Plantronics Inc.	823,938	49,741
* EchoStar Corp. Class A	910,770	48,061
Power Integrations Inc.	700,606	47,886
Brooks Automation Inc.	1,649,087	44,657
Cogent Communications Holdings Inc.	1,023,316	44,412
* Finisar Corp.	2,800,957	44,283
Progress Software Corp.	1,142,501	43,929
* Coupa Software Inc.	952,109	43,435
* Premier Inc. Class A	1,372,351	42,968
* VeriFone Systems Inc.	2,737,297	42,100
* NETGEAR Inc.	731,480	41,841
Ebix Inc.	543,992	40,527
* Infinera Corp.	3,711,301	40,305
* Q2 Holdings Inc.	883,581	40,247

* ^ Ubiquiti Networks Inc.	575,712	39,609
* Synaptics Inc.	849,633	38,854
* Five9 Inc.	1,299,472	38,711
TiVo Corp.	2,854,512	38,679
* Oclaro Inc.	3,988,487	38,130
* Okta Inc.	943,241	37,588
CSG Systems International Inc.	826,552	37,435
* Bottomline Technologies de Inc.	949,399	36,789
* Rambus Inc.	2,712,331	36,427
* Varonis Systems Inc.	595,513	36,029
* MaxLinear Inc.	1,493,515	33,977
* Virtusa Corp.	653,233	31,656
* Electronics For Imaging Inc.	1,134,542	31,007
* ^ 3D Systems Corp.	2,671,929	30,968
* Blackline Inc.	784,000	30,741
* Insight Enterprises Inc.	879,023	30,704
* Extreme Networks Inc.	2,732,502	30,249
* MicroStrategy Inc. Class A	231,147	29,816
* Diodes Inc.	975,733	29,721
* Instructure Inc.	681,218	28,713
* Alarm.com Holdings Inc.	759,871	28,678
* ^ Inphi Corp.	940,410	28,306
* SPS Commerce Inc.	426,735	27,341
* Blucora Inc.	1,069,013	26,298
Xperi Corp.	1,220,012	25,803
Diebold Nixdorf Inc.	1,661,940	25,594
* ePlus Inc.	329,138	25,574
* Hortonworks Inc.	1,246,768	25,397
* Dropbox Inc. Class A	794,919	24,617
* FormFactor Inc.	1,775,787	24,239
* Amkor Technology Inc.	2,382,030	24,130
* Boingo Wireless Inc.	946,519	23,445
Monotype Imaging Holdings Inc.	1,028,711	23,095
* ScanSource Inc.	625,822	22,248
* PROS Holdings Inc.	673,677	22,238
* Everbridge Inc.	598,727	21,913
* LivePerson Inc.	1,324,357	21,653
* Web.com Group Inc.	1,158,776	20,974
* Syntel Inc.	820,941	20,959
* ^ Acacia Communications Inc.	542,866	20,879
* Aptio Inc. Class A	735,302	20,838
* Rapid7 Inc.	806,137	20,613
* Cray Inc.	993,600	20,568
* Shutterstock Inc.	426,884	20,554
NIC Inc.	1,543,905	20,534
* Rudolph Technologies Inc.	738,019	20,443
* CEVA Inc.	538,987	19,511
* Axcelis Technologies Inc.	790,943	19,457
* CalAmp Corp.	829,859	18,987
ADTRAN Inc.	1,208,602	18,794
* Perficient Inc.	816,243	18,708
* Alteryx Inc. Class A	532,442	18,178
* Quality Systems Inc.	1,328,143	18,129
* Ultra Clean Holdings Inc.	890,953	17,151
* Carbonite Inc.	578,353	16,657
* Nanometrics Inc.	612,924	16,488
Comtech Telecommunications Corp.	551,256	16,477

* Super Micro Computer Inc.	949,065	16,134
* Lattice Semiconductor Corp.	2,851,241	15,881
* CommerceHub Inc.	704,814	15,851
* Vocera Communications Inc.	643,313	15,066
Cohu Inc.	657,679	15,002
Switch Inc.	922,108	14,671
* Xcerra Corp.	1,258,684	14,664
*,^ Yext Inc.	1,131,359	14,312
* ForeScout Technologies Inc.	434,613	14,099
* Workiva Inc.	593,323	14,062
* Photonics Inc.	1,688,243	13,928
* SailPoint Technologies Holding Inc.	670,045	13,863
* Altair Engineering Inc. Class A	434,757	13,634
*,^ Unisys Corp.	1,250,613	13,444
* Loral Space & Communications Inc.	318,580	13,269
*,^ Ichor Holdings Ltd.	540,019	13,074
* Tabula Rasa HealthCare Inc.	330,785	12,834
* Appfolio Inc.	305,222	12,468
* Presidio Inc.	789,412	12,346
*,^ Gogo Inc.	1,380,596	11,915
*,^ Benefitfocus Inc.	461,261	11,255
*,^ Applied Optoelectronics Inc.	447,749	11,221
* USA Technologies Inc.	1,242,454	11,182
*,^ Cision Ltd.	959,933	11,106
* Upland Software Inc.	380,689	10,960
* Endurance International Group Holdings Inc.	1,480,355	10,955
* Vectrus Inc.	289,681	10,788
* Limelight Networks Inc.	2,555,176	10,502
Systemax Inc.	364,062	10,394
* Model N Inc.	562,667	10,156
Forrester Research Inc.	244,937	10,153
* MongoDB Inc.	233,831	10,148
* VASCO Data Security International Inc.	746,986	9,673
* Synchronoss Technologies Inc.	889,793	9,387
*,^ KeyW Holding Corp.	1,173,682	9,225
^ Computer Programs & Systems Inc.	314,177	9,174
Hackett Group Inc.	561,201	9,013
American Software Inc. Class A	690,159	8,972
QAD Inc. Class A	214,789	8,946
*,^ Immersion Corp.	735,112	8,785
* Zscaler Inc.	305,958	8,588
* PDF Solutions Inc.	664,802	7,752
* Calix Inc.	1,131,614	7,752
* Alpha & Omega Semiconductor Ltd.	498,758	7,706
PC Connection Inc.	298,774	7,469
* Harmonic Inc.	1,950,085	7,410
* Rosetta Stone Inc.	563,421	7,409
* Quantenna Communications Inc.	519,716	7,120
* Digi International Inc.	678,563	6,989
* A10 Networks Inc.	1,197,161	6,967
* CommerceHub Inc. Class A	308,516	6,942
* MobileIron Inc.	1,392,156	6,891
* AXT Inc.	948,518	6,877
*,^ NeoPhotonics Corp.	984,099	6,741
* Zix Corp.	1,532,609	6,544
*,^ Digimarc Corp.	273,233	6,544
* Mitek Systems Inc.	860,467	6,367

* ^ TransEnterix Inc.	3,723,801	6,330
* Brightcove Inc.	895,139	6,221
* ^ WideOpenWest Inc.	865,646	6,189
* DSP Group Inc.	523,947	6,183
* Castlight Health Inc. Class B	1,669,015	6,092
* Sigma Designs Inc.	971,763	6,025
* ChannelAdvisor Corp.	652,914	5,942
* SendGrid Inc.	206,623	5,814
* Ribbon Communications Inc.	1,128,371	5,755
* ^ Kopin Corp.	1,762,567	5,499
* Agilysys Inc.	454,440	5,417
* Amber Road Inc.	596,529	5,309
* ^ Impinj Inc.	407,658	5,308
* Internap Corp.	462,657	5,089
* ^ VirnetX Holding Corp.	1,263,963	4,993
* Ooma Inc.	448,671	4,890
Preformed Line Products Co.	73,908	4,811
* Telenav Inc.	856,653	4,626
Simulations Plus Inc.	298,396	4,401
* RigNet Inc.	319,157	4,341
* ^ Appian Corp. Class A	171,111	4,309
* PAR Technology Corp.	289,316	4,076
* KVH Industries Inc.	385,252	3,987
* ConvergeOne Holdings Inc.	430,200	3,975
* EMCORE Corp.	690,255	3,934
* Meet Group Inc.	1,855,598	3,878
TESSCO Technologies Inc.	158,040	3,659
* Clearfield Inc.	282,541	3,645
* ^ Aquantia Corp.	224,855	3,530
* Bandwidth Inc. Class A	102,165	3,337
* ^ Exela Technologies Inc.	593,106	3,280
* Aerohive Networks Inc.	804,167	3,249
* Telaria Inc.	845,774	3,180
* Computer Task Group Inc.	384,353	3,148
* ^ QuickLogic Corp.	2,064,240	3,138
* ^ Casa Systems Inc.	104,787	3,074
* Seachange International Inc.	1,113,792	3,018
* Pixelworks Inc.	769,595	2,978
* ^ Park City Group Inc.	333,673	2,920
PC-Tel Inc.	403,760	2,899
* Fusion Telecommunications International Inc.	882,842	2,852
* eGain Corp.	353,747	2,812
* ^ Quantum Corp.	766,946	2,792
* GSI Technology Inc.	368,484	2,730
TransAct Technologies Inc.	206,018	2,689
* Adesto Technologies Corp.	362,343	2,681
AstroNova Inc.	168,670	2,614
* Amtech Systems Inc.	352,960	2,584
* ID Systems Inc.	414,467	2,578
* Datawatch Corp.	293,389	2,538
* VOXX International Corp. Class A	492,421	2,437
* Key Tronic Corp.	301,701	2,100
* ^ SITO Mobile Ltd.	479,955	1,929
* SecureWorks Corp. Class A	234,363	1,894
* ^ Veritone Inc.	135,000	1,879
* Aware Inc.	432,908	1,797
GlobalSCAPE Inc.	469,361	1,727

* , ^ Airgain Inc.	219,697	1,700
* , ^ Everspin Technologies Inc.	221,295	1,671
* Edgewater Technology Inc.	299,696	1,663
* Great Elm Capital Group Inc.	414,911	1,660
* , ^ Helios & Matheson Analytics Inc.	577,156	1,633
* Data I/O Corp.	219,273	1,631
* , ^ CVD Equipment Corp.	173,894	1,588
* inTEST Corp.	238,227	1,584
* Identiv Inc.	413,264	1,546
* , ^ Inseego Corp.	830,617	1,478
RCM Technologies Inc.	255,019	1,471
* BSQUARE Corp.	337,101	1,433
* LRAD Corp.	604,296	1,390
* , ^ Atomera Inc.	219,062	1,367
* Aviat Networks Inc.	81,079	1,359
* Support.com Inc.	473,810	1,308
* , ^ Rimini Street Inc.	148,622	1,272
ClearOne Inc.	155,448	1,236
* , ^ Resonant Inc.	385,252	1,229
QAD Inc. Class B	38,958	1,220
* Synacor Inc.	677,563	1,084
* Finjan Holdings Inc.	328,551	1,068
* , ^ Neurotrope Inc.	131,201	1,065
* Icad Inc.	342,414	1,055
* , ^ Ominto Inc.	336,216	965
* DASAN Zhone Solutions Inc.	85,125	960
* Xplore Technologies Corp.	292,147	947
* , ^ Aehr Test Systems	417,457	939
* GSE Systems Inc.	275,429	895
* , ^ NXT-ID Inc.	449,415	894
Network-1 Technologies Inc.	304,119	806
* Innodata Inc.	643,214	695
* NetSol Technologies Inc.	147,068	676
* Evolving Systems Inc.	139,315	669
* WidePoint Corp.	1,146,132	666
* , ^ SharpSpring Inc.	101,651	647
* ACM Research Inc. Class A	51,793	637
* Westell Technologies Inc. Class A	183,100	613
* , ^ iPass Inc.	1,597,520	607
RELM Wireless Corp.	129,063	510
* Intermolecular Inc.	388,778	509
* , ^ Tintri Inc.	296,012	506
* Marin Software Inc.	72,462	482
CSP Inc.	43,624	469
* CCUR Holdings Inc.	85,899	412
* Streamline Health Solutions Inc.	207,827	382
* , ^ Smith Micro Software Inc.	217,859	381
* , ^ Neonode Inc.	843,592	355
* , ^ Intellicheck Inc.	196,842	354
* , ^ Radisys Corp.	534,812	343
* , ^ CynergisTek Inc.	68,763	342
* Lantronix Inc.	164,876	340
* , ^ Sunworks Inc.	317,501	302
* , ^ Inuvo Inc.	315,731	290
* , ^ XpresSpa Group Inc.	384,210	277
Communications Systems Inc.	73,726	271
* Trio-Tech International	46,648	268

* ^ ParkerVision Inc.	331,909	266
* ^ Netlist Inc.	1,118,674	258
* ARC Group Worldwide Inc.	117,147	228
* Majesco	41,259	209
* Socket Mobile Inc.	64,296	208
* Cinedigm Corp. Class A	138,637	190
* Qumu Corp.	105,861	186
* Determine Inc.	96,597	137
* ^ xG Technology Inc.	124,766	130
* ^ Xcel Brands Inc.	36,848	118
* ^ RumbleON Inc. Class B	28,148	117
* BroadVision Inc.	33,284	90
* Mastech Digital Inc.	4,280	53
* 2 Gerber Scientific Inc. CVR	388,581	44
* Sonic Foundry Inc.	17,328	38
* ADDvantage Technologies Group Inc.	29,519	38
SilverSun Technologies Inc.	2,301	9
* Intelligent Systems Corp.	1,683	9
* CMTSU Liquidation Inc.	113,650	1
		129,769,479

Telecommunications (1.7%)

AT&T Inc.	151,518,151	5,401,622
Verizon Communications Inc.	101,760,923	4,866,207
* T-Mobile US Inc.	7,372,757	450,033
CenturyLink Inc.	23,737,571	390,008
* Zayo Group Holdings Inc.	5,198,833	177,592
* ^ Sprint Corp.	14,837,352	72,406
Telephone & Data Systems Inc.	2,315,029	64,890
* Vonage Holdings Corp.	5,064,366	53,936
* GTT Communications Inc.	805,194	45,655
Shenandoah Telecommunications Co.	1,149,293	41,375
* 8x8 Inc.	2,155,779	40,205
* ^ Iridium Communications Inc.	2,049,067	23,052
Consolidated Communications Holdings Inc.	1,736,498	19,032
* ORBCOMM Inc.	1,720,830	16,124
ATN International Inc.	259,333	15,462
* Cincinnati Bell Inc.	1,029,560	14,260
^ Frontier Communications Corp.	1,912,275	14,189
* United States Cellular Corp.	328,300	13,194
* ^ Globalstar Inc.	13,903,876	9,559
* pdvWireless Inc.	310,293	9,262
Spok Holdings Inc.	479,524	7,169
Windstream Holdings Inc.	4,481,871	6,320
* HC2 Holdings Inc.	1,040,874	5,475
* ^ Intelsat SA	1,329,015	4,997
* Hawaiian Telcom Holdco Inc.	144,051	3,843
IDT Corp. Class B	422,763	2,651
* Alaska Communications Systems Group Inc.	1,193,525	2,148
* Rafael Holdings Inc. Class B	211,381	1,025
* Otelco Inc. Class A	54,107	806
* CPS Technologies Corp.	41,009	55
		11,772,552

Utilities (2.8%)

NextEra Energy Inc.	11,617,928	1,897,556
Duke Energy Corp.	17,256,421	1,336,855
Southern Co.	24,754,004	1,105,514

Dominion Energy Inc.	15,870,589	1,070,154
Exelon Corp.	23,795,695	928,270
American Electric Power Co. Inc.	12,113,703	830,879
Sempra Energy	6,770,373	753,001
Public Service Enterprise Group Inc.	12,481,866	627,089
Consolidated Edison Inc.	7,649,485	596,201
Xcel Energy Inc.	12,503,670	568,667
PG&E Corp.	12,712,040	558,440
Edison International	8,042,412	511,980
WEC Energy Group Inc.	7,789,504	488,402
PPL Corp.	17,098,320	483,711
DTE Energy Co.	4,413,616	460,782
Eversource Energy	7,804,634	459,849
FirstEnergy Corp.	11,719,989	398,597
American Water Works Co. Inc.	4,397,864	361,197
Entergy Corp.	4,449,235	350,511
Ameren Corp.	5,999,473	339,750
CMS Energy Corp.	6,933,312	314,010
CenterPoint Energy Inc.	10,589,763	290,160
Atmos Energy Corp.	2,762,592	232,721
Alliant Energy Corp.	5,689,123	232,458
NRG Energy Inc.	7,418,486	226,486
Pinnacle West Capital Corp.	2,750,410	219,483
NiSource Inc.	8,295,740	198,351
UGI Corp.	4,295,513	190,807
Westar Energy Inc. Class A	3,527,557	185,514
AES Corp.	16,270,494	184,996
Great Plains Energy Inc.	5,328,734	169,400
Aqua America Inc.	4,414,257	150,350
*,^ Vistra Energy Corp.	6,354,965	132,374
SCANA Corp.	3,524,474	132,344
Vectren Corp.	2,059,672	131,654
IDACORP Inc.	1,246,651	110,042
WGL Holdings Inc.	1,267,187	106,000
National Fuel Gas Co.	1,856,721	95,528
Hawaiian Electric Industries Inc.	2,688,809	92,441
ALLETE Inc.	1,258,885	90,954
Portland General Electric Co.	2,189,897	88,713
New Jersey Resources Corp.	2,184,588	87,602
ONE Gas Inc.	1,318,196	87,027
Spire Inc.	1,144,511	82,748
Avista Corp.	1,605,593	82,287
Avangrid Inc.	1,582,342	80,889
Southwest Gas Holdings Inc.	1,128,692	76,333
PNM Resources Inc.	1,966,143	75,205

Black Hills Corp.	1,311,042	71,190
NorthWestern Corp.	1,212,744	65,246
South Jersey Industries Inc.	1,998,528	56,279
Ormat Technologies Inc.	940,764	53,040
El Paso Electric Co.	1,011,255	51,574
* Dynegy Inc.	3,572,583	48,301
MGE Energy Inc.	859,882	48,239
American States Water Co.	907,894	48,173
California Water Service Group	1,180,424	43,971
Northwest Natural Gas Co.	723,094	41,686
Chesapeake Utilities Corp.	388,908	27,360
* Evoqua Water Technologies Corp.	1,112,375	23,682

SJW Group		440,873	23,238
*,^ Sunrun Inc.		2,125,659	18,982
Connecticut Water Service Inc.		295,941	17,913
TerraForm Power Inc. Class A		1,664,586	17,861
Unitil Corp.		370,498	17,195
Middlesex Water Co.		386,296	14,177
York Water Co.		336,580	10,434
*,^ Cadiz Inc.		599,868	8,098
Artesian Resources Corp. Class A		215,514	7,862
* Atlantic Power Corp.		3,156,815	6,629
* Pure Cycle Corp.		495,466	4,682
RGC Resources Inc.		160,839	4,085
^ Spark Energy Inc. Class A		290,855	3,447
* AquaVenture Holdings Ltd.		267,894	3,327
*,^ Vivint Solar Inc.		767,171	2,800
* US Geothermal Inc.		490,121	2,627
Genie Energy Ltd. Class B		379,378	1,893
			19,018,273
Total Common Stocks (Cost \$425,871,598)			669,426,499
Preferred Stocks (0.0%)			
*,^,† GCI Liberty Inc. Pfd., 5.00%, 3/10/39		113,580	2,652
(Cost \$1,730)			
Temporary Cash Investments (0.7%)¹			
	Coupon		
Money Market Fund (0.7%)			
4,5 Vanguard Market Liquidity Fund	1.775%	44,548,836	4,454,883
		Face	
	Maturity	Amount	
	Date	(\$000)	
U.S. Government and Agency Obligations (0.0%)			
6 United States Treasury Bill	1.432%	4/26/18	47,000
6 United States Treasury Bill	1.559%-1.602%	5/24/18	45,700
6 United States Treasury Bill	1.578%	6/7/18	5,000
6 United States Treasury Bill	1.633%	6/14/18	1,600
6 United States Treasury Bill	1.737%	7/19/18	35,000
			133,938
Total Temporary Cash Investments (Cost \$4,588,395)			4,588,821
Total Investments (100.2%) (Cost \$430,461,723)			674,017,972
Other Asset and Liabilities-Net (-0.2%)^{5,7}			(1,641,937)
Net Assets (100%)			672,376,035

* Non-income-producing security.

^ Includes partial security positions on loan to broker-dealers. The total value of securities on loan is \$1,885,071,000.

† Security not classified by the fund's benchmark index.

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 0.2%, respectively, of net assets.

2 Security value determined using significant unobservable inputs.

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

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

5 Includes \$2,015,933,000 of collateral received for securities on loan.

6 Securities with a value of \$127,674,000 have been segregated as initial margin for open futures contracts.

REIT—Real Estate Investment Trust.

			(\$000)	
		Number of		Value and
		Long (Short)	Notional	Unrealized
	Expiration	Contracts	Amount	Appreciation (Depreciation)
Long Futures Contracts				
E-mini S&P 500 Index	June 2018	20,341	2,688,063	(117,124)
E-mini Russell 2000 Index	June 2018	1,914	146,536	(6,709)
E-mini S&P Mid-Cap 400 Index	June 2018	240	45,194	(1,020)
				(124,853)

				Floating Interest	Value and Unrealized Appreciation (Depreciation)
Reference Entity	Termination Date	Counterparty	Notional Amount (\$'000)	Rate Received ¹ (Paid)	(\$'000)
Ambac Financial Group	4/11/18	GSCM	7,922	(2.2082%)	681
Gaming and Leisure Properties Inc.	6/21/18	GSCM	16,286	(2.3907%)	(227)
SLM Corp.	5/9/18	GSI	46,453	(2.2082%)	96
					550

GSI—Goldman Sachs International.

Total Stock Market Index Fund

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.

B. 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 March 31, 2018, based on the inputs used to value them:

	Level 1 (\$000)	Level 2 (\$000)	Level 3 (\$000)
Investments			
Common Stocks	669,411,093	169	15,237
Preferred Stocks	2,652	—	—
Temporary Cash Investments	4,454,883	133,938	—
Futures Contracts—Assets ¹	37,970	—	—
Swap Contracts—Assets	—	777	—
Swap Contracts—Liabilities	—	(227)	—
Total	673,906,598	134,657	15,237

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

C. 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.

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).

D. 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

Total Stock Market Index 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 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.

E. At March 31, 2018, the cost of investment securities for tax purposes was \$442,614,716,000. Net unrealized appreciation of investment securities for tax purposes was \$231,403,256,000, consisting of unrealized gains of \$247,586,017,000 on securities that had risen in value since their purchase and \$16,182,761,000 in unrealized losses on securities that had fallen in value since their purchase.

Vanguard Value Index Fund

Schedule of Investments (unaudited)

As of March 31, 2018

	Shares	Market Value (\$000)
Common Stocks (99.7%)¹		
Basic Materials (3.2%)		
DowDuPont Inc.	12,025,576	766,149
Air Products & Chemicals Inc.	1,130,612	179,801
LyondellBasell Industries NV Class A	1,630,209	172,280
PPG Industries Inc.	1,289,342	143,891
* Freeport-McMoRan Inc.	7,097,729	124,707
International Paper Co.	2,131,476	113,885
Newmont Mining Corp.	2,754,114	107,603
Nucor Corp.	1,641,180	100,260
Eastman Chemical Co.	668,437	70,574
Celanese Corp. Class A	701,806	70,328
Avery Dennison Corp.	454,982	48,342
Mosaic Co.	1,786,523	43,377
Reliance Steel & Aluminum Co.	355,455	30,477

Small-Cap Value Index Fund

counterparties to transfer collateral as security for their performance. In the absence of a default, the collateral pledged or received by the 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.

E. At March 31, 2018, the cost of investment securities for tax purposes was \$24,015,022,000. Net unrealized appreciation of investment securities for tax purposes was \$5,314,275,000, consisting of unrealized gains of \$7,042,402,000 on securities that had risen in value since their purchase and \$1,728,127,000 in unrealized losses on securities that had fallen in value since their purchase.

Item 2: Controls and Procedures

(a) Disclosure Controls and Procedures. The Principal Executive and Financial Officers concluded that the Registrant's Disclosure Controls and Procedures are effective based on their evaluation of the Disclosure Controls and Procedures as of a date within 90 days of the filing date of this report.

(b) Internal Control Over Financial Reporting. During the last fiscal quarter, there was no significant change in the Registrant's internal control over financial reporting that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting.

Item 3: Exhibits

(a) Certifications

VANGUARD INDEX FUNDS

By: /s/ MORTIMER J. BUCKLEY*

MORTIMER J. BUCKLEY
CHIEF EXECUTIVE OFFICER

Date: May 17, 2018

Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, this report has been signed below by the following persons on behalf of the registrant and in the capacities and on the dates indicated.

VANGUARD INDEX FUNDS

By: /s/ MORTIMER J. BUCKLEY*

MORTIMER J. BUCKLEY
CHIEF EXECUTIVE OFFICER

Date: May 17, 2018

VANGUARD INDEX FUNDS

By: /s/ THOMAS J. HIGGINS*

THOMAS J. HIGGINS
CHIEF FINANCIAL OFFICER

Date: May 17, 2018

*By: /s/ Anne E. Robinson

Anne E. Robinson, pursuant to a Power of Attorney filed on January 18, 2018 see file Number 33-32216, Incorporated by Reference.

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: May 17, 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: May 17, 2018

/s/ Thomas J Higgins

Thomas J. Higgins
Chief Financial Officer