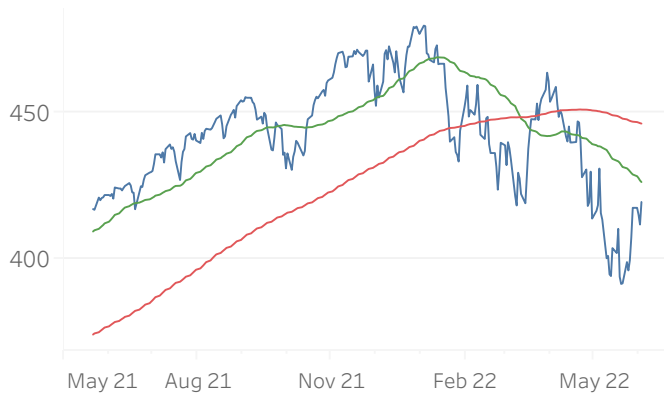


Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

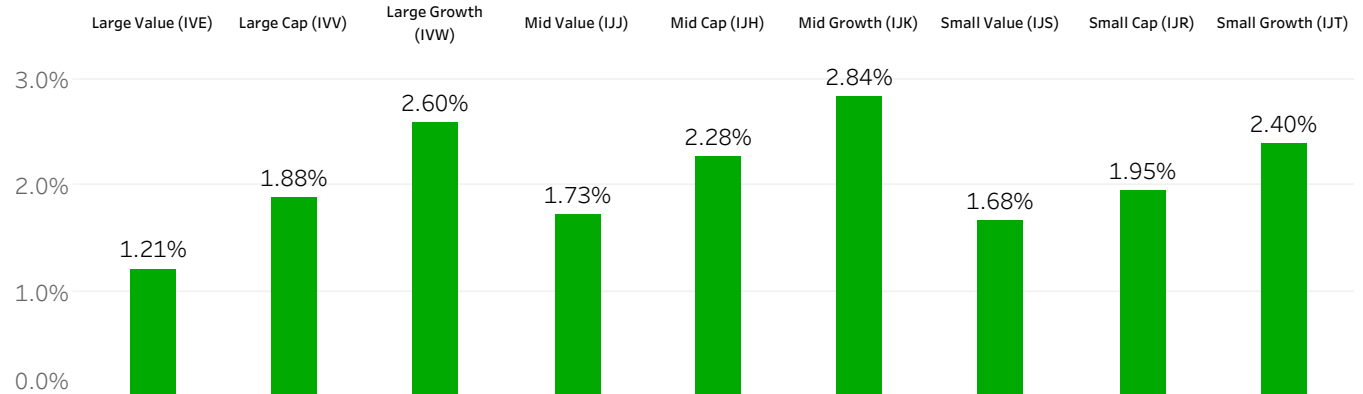


Small Cap Blend (S&P 600) IJR



■ Closing Price ■ 50 Day Moving Average ■ 200 Day Moving Average

U.S. Size & Style 1-Day Performance



Size & Style 1-Day Performance Leaders

Ticker	Fund	Performance
IPO	Renaissance IPO ETF	6.62%
NZUS	SPDR MSCI USA Climate Paris Aligned ETF	5.18%
BUZZ	VanEck Social Sentiment ETF	4.75%
LCG	Sterling Capital Focus Equity ETF	4.61%
MMLG	First Trust Multi-Manager Large Growth ETF	4.06%
SPHB	Invesco S&P 500 High Beta ETF	3.96%
IWP	iShares Russell Mid-Cap Growth ETF	3.92%
NUMG	Nuveen ESG Mid-Cap Growth ETF	3.87%
VOT	Vanguard Mid-Cap Growth ETF	3.86%
TMFS	Motley Fool Small-Cap Growth ETF	3.65%

Size & Style Most Overbought

Ticker	Fund	Value
ONOF	Global X Adaptive U.S. Risk Management ETF	70.26
PTNQ	Pacer Trendpilot 100 ETF	63.84
JMEE	JPMorgan Market Expansion Enhanced Equity ETF	63.44
NZUS	SPDR MSCI USA Climate Paris Aligned ETF	61.73
AVUV	Avantis U.S. Small Cap Value ETF	60.75
EQRR	ProShares Equities for Rising Rates ETF	60.67
DIV	Global X SuperDividend US ETF	60.54
XSMO	Invesco S&P SmallCap Momentum ETF	60.52
PABU	iShares Paris-Aligned Climate MSCI USA ETF	60.52
DEIF	Sterling Capital Diverse Multi-Manager Active ETF	60.48

Size & Style 1-Day Performance Laggards

Ticker	Fund	Performance
DEIF	Sterling Capital Diverse Multi-Manager Active ETF	-0.66%
DDIV	First Trust Dorsey Wright Momentum & Dividend ETF	-0.14%
PTLC	Pacer Trendpilot US Large Cap ETF	0.00%
PTMC	Pacer Trendpilot US Mid Cap ETF	0.04%
SPC	CrossingBridge Pre-Merger SPAC ETF	0.05%
SPHD	Invesco S&P 500 High Dividend Low Volatility ETF	0.06%
WBIY	WBI Power Factor High Dividend ETF	0.12%
RFDA	RiverFront Dynamic US Dividend Advantage ETF	0.15%
SPYD	SPDR Portfolio S&P 500 High Dividend ETF	0.16%
DHS	WisdomTree U.S. High Dividend Fund	0.18%

Size & Style Most Oversold

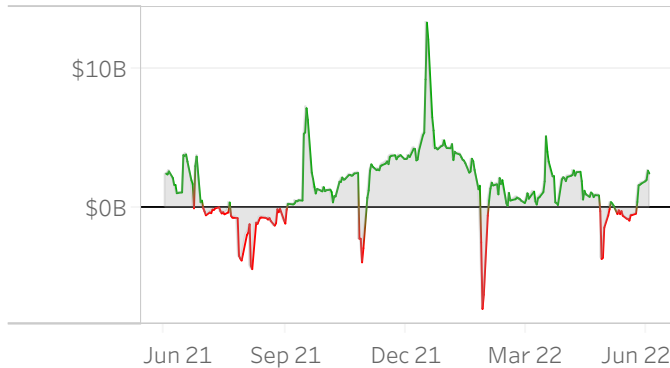
Ticker	Fund	Value
SPC	CrossingBridge Pre-Merger SPAC ETF	44.13
PTLC	Pacer Trendpilot US Large Cap ETF	45.22
SPLV	Invesco S&P 500 Low Volatility ETF	49.01
ALTL	Pacer Lunt Large Cap Alternator ETF	49.13
QQH	HCM Defender 100 Index ETF	49.68
LGH	HCM Defender 500 Index ETF	50.03
FTCS	First Trust Capital Strength ETF	50.19
TMFS	Motley Fool Small-Cap Growth ETF	50.40
TPLE	Timothy Plan US Large/Mid Cap Core Enhanced ETF	50.42
DVOL	First Trust Dorsey Wright Momentum & Low Volatili..	50.43

*ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify

Large-Cap 30-Day Rolling Flows



Mid-Cap 30-Day Rolling Flows



Small-Cap 30-Day Rolling Flows



U.S. Size & Style Landscape Flows

	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Large Cap, Beta Growth, Beta	25	\$1,222B	\$0.59B	\$8.78B	\$35.75B	\$131.81B
Large Cap, Beta Growth, Beta: Growth	10	\$222B	\$0.52B	\$7.34B	\$7.78B	\$18.74B
Large Cap, Beta Growth, Beta: Value	11	\$223B	(\$0.03B)	\$4.45B	\$18.21B	\$26.17B
Mid Cap, Beta, Beta	10	\$177B	\$0.41B	\$3.29B	\$6.92B	\$11.34B
Mid Cap, Beta, Beta: Growth	6	\$31B	\$0.08B	\$0.30B	(\$0.56B)	\$0.29B
Mid Cap, Beta, Beta: Value	6	\$41B	\$0.06B	(\$0.51B)	\$0.40B	\$0.11B
Small Cap, Beta, Beta	13	\$192B	\$0.28B	(\$3.62B)	(\$2.11B)	\$8.08B
Small Cap, Beta, Beta: Growth	7	\$31B	\$0.10B	\$0.62B	\$1.17B	\$1.68B
Small Cap, Beta, Beta: Value	7	\$52B	\$0.10B	(\$2.78B)	(\$1.72B)	(\$1.95B)

U.S. Size & Style Flow Leaders

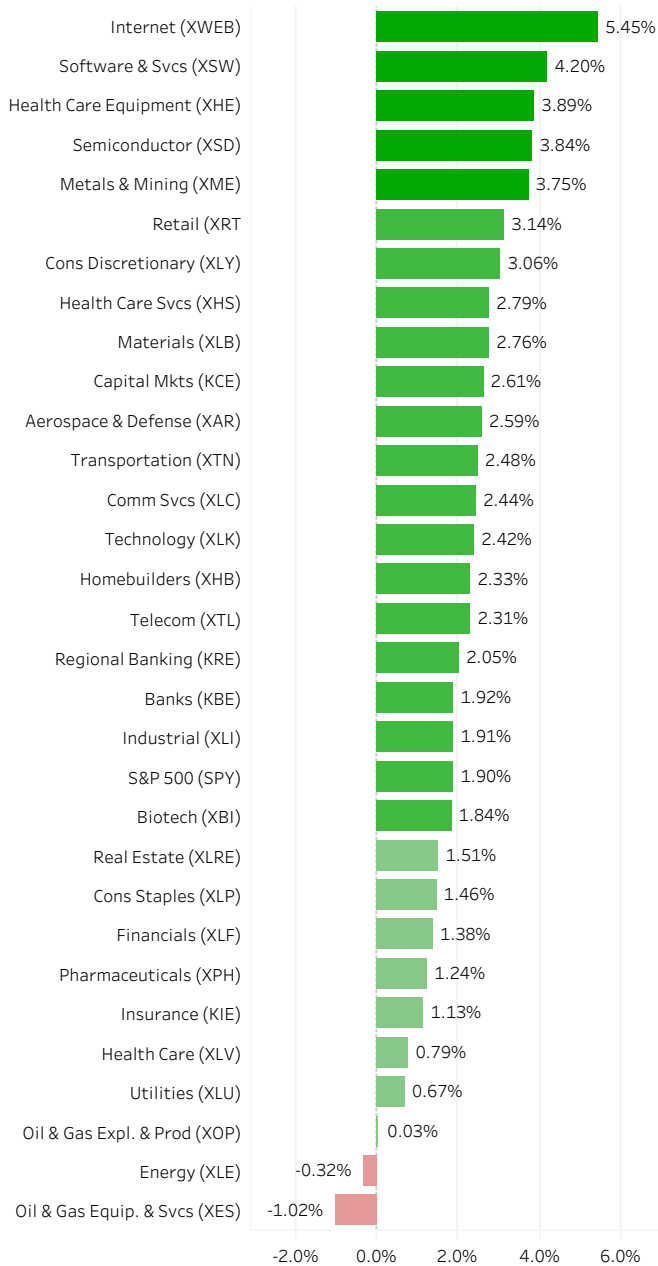
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IVV	iShares Core S&P 500 ETF	\$1.45B	\$1.74B	\$11.86B	\$28.52B	\$300.06B
VOO	Vanguard S&P 500 ETF	\$0.99B	(\$1.53B)	\$16.02B	\$41.71B	\$259.42B
MTUM	iShares MSCI USA Momentum Factor ETF	\$0.55B	\$0.05B	(\$2.04B)	(\$1.88B)	\$10.89B
SPLG	SPDR Portfolio S&P 500 ETF	\$0.36B	\$0.92B	\$1.88B	\$4.09B	\$13.86B
VTV	Vanguard Value ETF	\$0.33B	\$3.29B	\$13.14B	\$17.73B	\$101.60B
VUG	Vanguard Growth ETF	\$0.31B	\$3.38B	\$4.60B	\$6.81B	\$72.20B
COWZ	Pacer US Cash Cows 100 ETF	\$0.26B	\$3.51B	\$5.00B	\$5.45B	\$6.37B
RSP	Invesco S&P 500 Equal Weight ETF	\$0.21B	\$1.02B	\$3.84B	\$4.37B	\$32.11B
HDV	iShares Core High Dividend ETF	\$0.17B	\$4.21B	\$4.79B	\$5.14B	\$13.12B
IJR	iShares Core S&P Small Cap ETF	\$0.17B	(\$1.34B)	\$0.87B	\$2.22B	\$65.39B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	(\$1.43B)	\$1.88B	(\$1.84B)	\$25.11B	\$373.06B
QQQ	Invesco QQQ Trust	(\$1.05B)	\$4.33B	\$3.86B	\$21.93B	\$165.05B
VONV	Vanguard Russell 1000 Value ETF	(\$0.55B)	(\$0.52B)	(\$0.26B)	\$0.89B	\$6.58B
USMV	iShares MSCI USA Min Vol Factor ETF	(\$0.24B)	\$0.24B	(\$0.48B)	(\$1.06B)	\$26.79B
LRGF	iShares U.S. Equity Factor ETF	(\$0.22B)	(\$0.03B)	(\$0.03B)	\$0.12B	\$1.11B
IVW	iShares S&P 500 Growth ETF	(\$0.11B)	\$0.04B	(\$1.09B)	(\$0.18B)	\$30.44B
QDF	FlexShares Quality Dividend Index Fund	(\$0.11B)	\$0.07B	\$0.08B	\$0.10B	\$1.65B
VTWO	Vanguard Russell 2000 ETF	(\$0.08B)	(\$0.51B)	(\$0.10B)	\$1.75B	\$5.67B
USSG	Xtrackers MSCI USA ESG Leaders Equity ETF	(\$0.06B)	(\$0.06B)	(\$0.86B)	(\$0.68B)	\$2.91B
VLUE	iShares MSCI USA Value Factor ETF	(\$0.05B)	(\$1.96B)	(\$4.77B)	(\$5.41B)	\$10.24B

* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

S&P Sector & Industry 1 Day Performance



Select Sector SPDRs Technicals

Ticker	Fund Name	% From 52W High	% From 52W Low	% Abv/Below 50 SMA	% Abv/Below 200 SMA	RSI (14D)
XLE	Energy Select Sector SPDR Fund	-0.32%	92.92%	10.45%	35.87%	65.53
XLU	Utilities Select Sector SPDR Fund	-2.92%	18.16%	1.25%	7.56%	58.91
XLB	Materials Select Sector SPDR Fund	-3.41%	10.63%	1.48%	2.32%	58.15
XLP	Consumer Staples Select Sector SPDR Fund	-7.45%	8.39%	-2.56%	0.47%	47.91
XLV	Health Care Select Sector SPDR Fund	-8.03%	6.16%	-1.83%	-1.12%	49.56
XLI	Industrial Select Sector SPDR Fund	-10.46%	6.89%	-1.25%	-5.23%	54.59
SPY	SPDR S&P 500 ETF Trust	-12.63%	7.17%	-1.50%	-6.05%	54.99
XLRE	Real Estate Select Sector SPDR Fund	-14.30%	6.40%	-4.26%	-5.82%	49.72
XLF	Financial Select Sector SPDR Fund	-14.58%	7.47%	-1.47%	-7.44%	54.26
XLK	Technology Select Sector SPDR Fund	-18.81%	9.67%	-0.90%	-8.30%	55.97
XLY	Consumer Discretionary Select Sector SPDR Fund	-25.45%	14.36%	-5.18%	-14.46%	53.16
XLC	Communication Services Select Sector SPDR Fund	-29.18%	7.29%	-3.03%	-16.59%	53.10

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
FDN	First Trust Dow Jones Internet Index Fund	4.89%
IGV	iShares Expanded Tech-Software Sector ETF	4.59%
PSJ	Invesco Dynamic Software ETF	4.32%
PNQI	Invesco NASDAQ Internet ETF	4.26%
QTEC	First Trust NASDAQ-100 Technology Sector Index ..	4.25%
XSW	SPDR S&P Software & Services ETF	4.20%
XHE	SPDR S&P Health Care Equipment ETF	3.89%
XSD	SPDR S&P Semiconductor ETF	3.84%
XNTK	SPDR NYSE Technology ETF	3.81%
XME	SPDR S&P Metals & Mining ETF	3.75%

Sector & Industry Most Overbought

Ticker	Fund	1 Day Performance
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	70.09
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	68.86
FCG	First Trust Natural Gas ETF	68.07
PXE	Invesco Dynamic Energy Exploration & Production ETF	67.99
FXN	First Trust Energy AlphaDEX Fund	67.61
PXI	Invesco DWA Energy Momentum ETF	67.55
PSCE	Invesco S&P SmallCap Energy ETF	67.50
AMZA	InfraCap MLP ETF	67.21
TPYP	Tortoise North American Pipeline Fund	66.49
RYE	Invesco S&P 500 Equal Weight Energy ETF	66.38

Sector & Industry 1 Day Performance Laggards

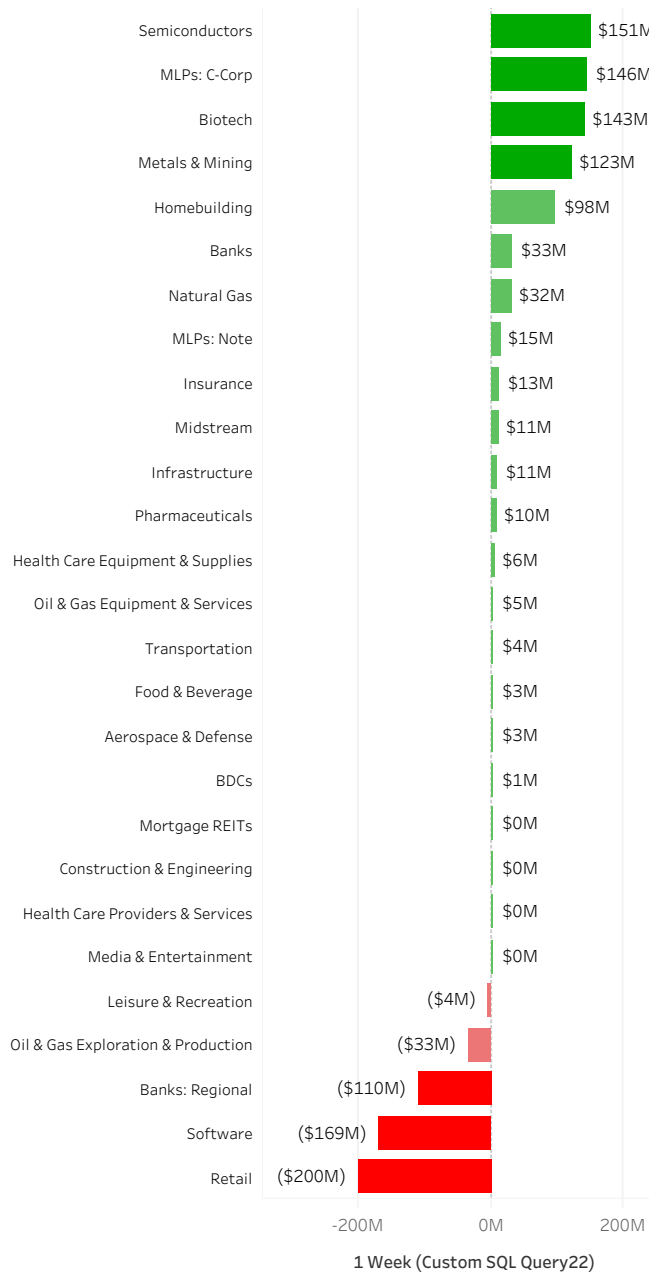
Ticker	Fund	1 Day Performance
PSCE	Invesco S&P SmallCap Energy ETF	-1.11%
XES	SPDR S&P Oil & Gas Equipment & Services ETF	-1.02%
IEZ	iShares U.S. Oil Equipment & Services ETF	-1.01%
PXE	Invesco Dynamic Energy Exploration & Production ETF	-0.85%
PXJ	Invesco Dynamic Oil & Gas Services ETF	-0.83%
FCG	First Trust Natural Gas ETF	-0.75%
FTXN	First Trust Nasdaq Oil & Gas ETF	-0.52%
XLE	Energy Select Sector SPDR Fund	-0.32%
RYE	Invesco S&P 500 Equal Weight Energy ETF	-0.26%
VDE	Vanguard Energy ETF	-0.21%

Sector & Industry Most Oversold

Ticker	Fund	1 Day Performance
FTXG	First Trust Nasdaq Food & Beverage ETF	43.01
XBI	SPDR S&P BIOTECH ETF	43.91
RHS	Invesco S&P 500 Equal Weight Consumer Staples ETF	45.39
IHF	iShares U.S. Healthcare Providers ETF	46.67
REZ	iShares Residential and Multisector Real Estate ETF	46.90
RWR	SPDR Dow Jones REIT ETF	47.34
SZNE	Pacer CFRA-Stovall Equal Weight Seasonal Rotation ETF	47.67
INDS	Pacer Benchmark Industrial Real Estate SCTR ETF	47.75
FSTA	FIDELITY COVINGTON TRUST MSCI CONSUMER STAPLES I..	47.77
VDC	Vanguard Consumer Staples ETF	47.86

* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify

U.S. Sector & Industry 1-Week Flows



U.S. Sector Landscape

	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Communication Services	9	\$15B	\$105M	(\$104M)	(\$1,084M)	\$272M
Consumer Discretionary	13	\$24B	(\$361M)	(\$2,495M)	(\$4,727M)	(\$4,521M)
Consumer Staples	12	\$27B	(\$23M)	\$1,937M	\$6,434M	\$6,623M
Energy	34	\$88B	\$563M	(\$490M)	\$5,462M	\$4,346M
Financials	28	\$64B	(\$528M)	(\$13,286M)	(\$7,139M)	(\$10,398M)
Health Care	26	\$88B	\$630M	\$5,636M	\$9,399M	\$13,999M
Industrial	14	\$29B	(\$748M)	(\$1,695M)	(\$1,616M)	(\$6,609M)
Materials	10	\$19B	\$374M	\$1,806M	\$1,830M	(\$399M)
Multi-Sector	19	\$16B	\$132M	(\$2,086M)	(\$3,786M)	(\$2,832M)
Real Estate	23	\$71B	\$191M	(\$1,547M)	\$503M	\$7,147M
Technology	24	\$124B	\$357M	\$1,188M	(\$979M)	\$6,420M
Utilities	10	\$27B	\$342M	\$3,443M	\$4,256M	\$5,430M

U.S. Sector & Industry Flow Leaders

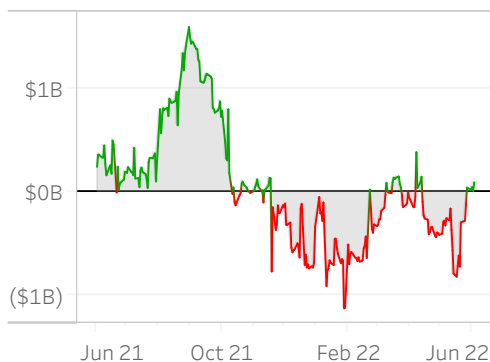
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLV	Health Care Select Sector SPDR Fund	\$470M	\$5,146M	\$7,266M	\$9,934M	\$38,909M
VGT	Vanguard Information Technology ETF	\$408M	\$1,127M	\$168M	\$2,431M	\$44,260M
XLE	Energy Select Sector SPDR Fund	\$332M	(\$1,074M)	\$1,577M	\$1,189M	\$43,673M
XLU	Utilities Select Sector SPDR Fund	\$312M	\$2,424M	\$2,849M	\$3,653M	\$16,806M
XBI	SPDR S&P BIOTECH ETF	\$225M	\$725M	\$2,414M	\$3,061M	\$5,767M
XLB	Materials Select Sector SPDR Fund	\$207M	\$305M	(\$487M)	(\$1,743M)	\$7,577M
SOXX	iShares Semiconductor ETF	\$150M	(\$236M)	\$325M	\$1,561M	\$7,648M
AMLP	Alerian MLP ETF	\$134M	\$216M	\$631M	\$579M	\$7,119M
XME	SPDR S&P Metals & Mining ETF	\$123M	\$116M	\$789M	\$179M	\$2,914M
RWR	SPDR Dow Jones REIT ETF	\$112M	\$211M	\$237M	\$250M	\$2,041M

U.S. Sector & Industry Flow Laggards

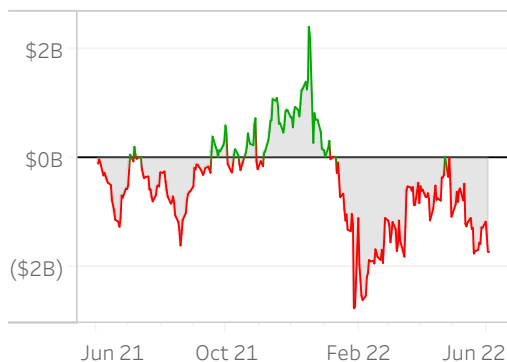
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLI	Industrial Select Sector SPDR Fund	(\$707M)	(\$1,780M)	(\$1,887M)	(\$5,558M)	\$13,683M
XLF	Financial Select Sector SPDR Fund	(\$442M)	(\$8,025M)	(\$3,535M)	(\$7,303M)	\$33,749M
XRT	SPDR S&P Retail ETF	(\$200M)	\$38M	(\$244M)	(\$252M)	\$377M
IGV	iShares Expanded Tech-Software Sector ETF	(\$148M)	\$159M	\$247M	\$607M	\$4,498M
XLP	Consumer Staples Select Sector SPDR Fund	(\$125M)	\$91M	\$3,716M	\$3,609M	\$15,612M
KRE	SPDR S&P Regional Banking ETF	(\$106M)	(\$1,071M)	(\$673M)	(\$1,289M)	\$3,692M
XLRE	Real Estate Select Sector SPDR Fund	(\$98M)	\$414M	\$789M	\$2,579M	\$5,479M
XLY	Consumer Discretionary Select Sector SPDR Fu..	(\$93M)	(\$846M)	(\$2,260M)	(\$1,404M)	\$15,939M
IBB	iShares Biotechnology ETF	(\$83M)	(\$110M)	(\$85M)	(\$426M)	\$7,325M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	(\$73M)	(\$575M)	(\$1M)	(\$1,081M)	\$5,750M

* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

Communication Services



Consumer Discretionary



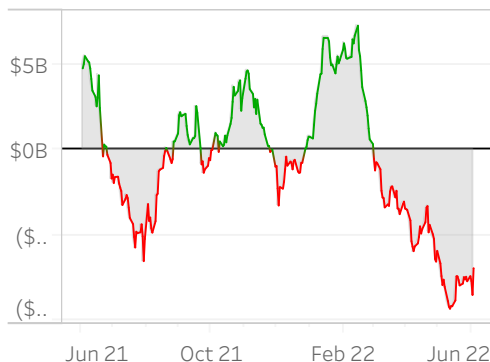
Consumer Staples



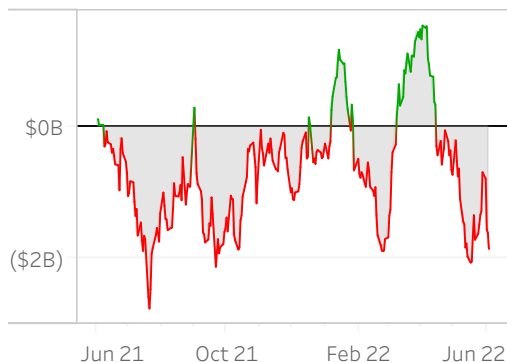
Energy



Financials



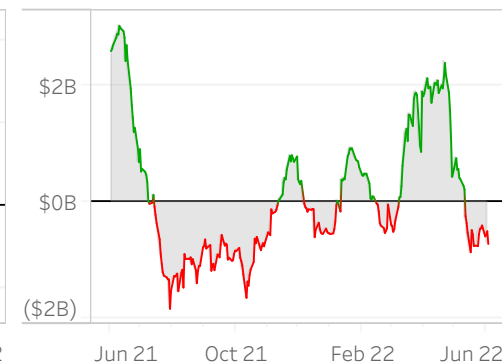
Industrial



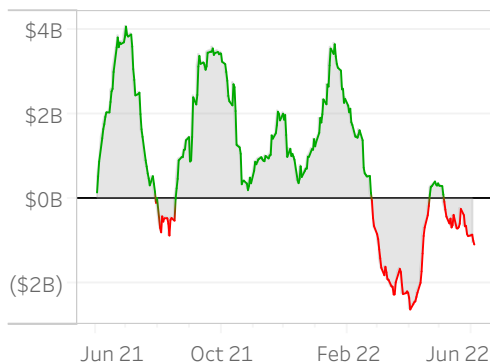
Health Care



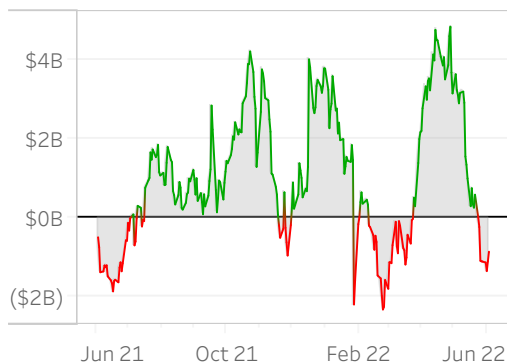
Materials



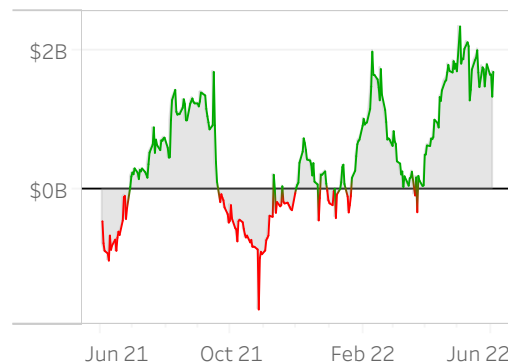
Real Estate



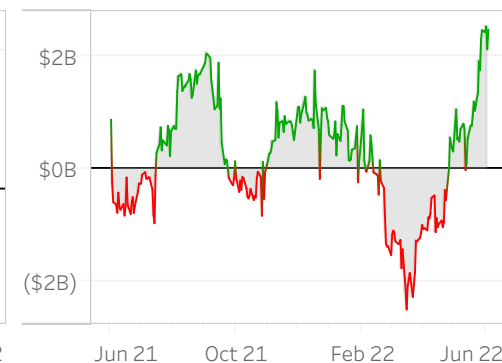
Technology



Utilities

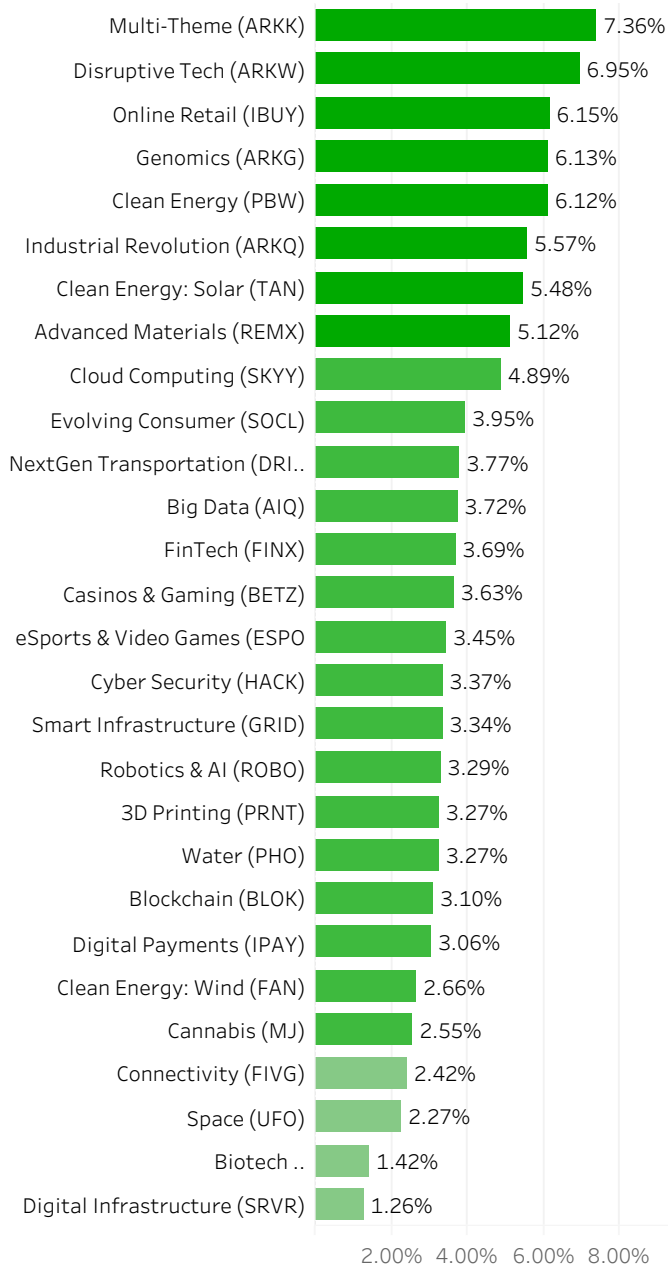


Multi-Sector

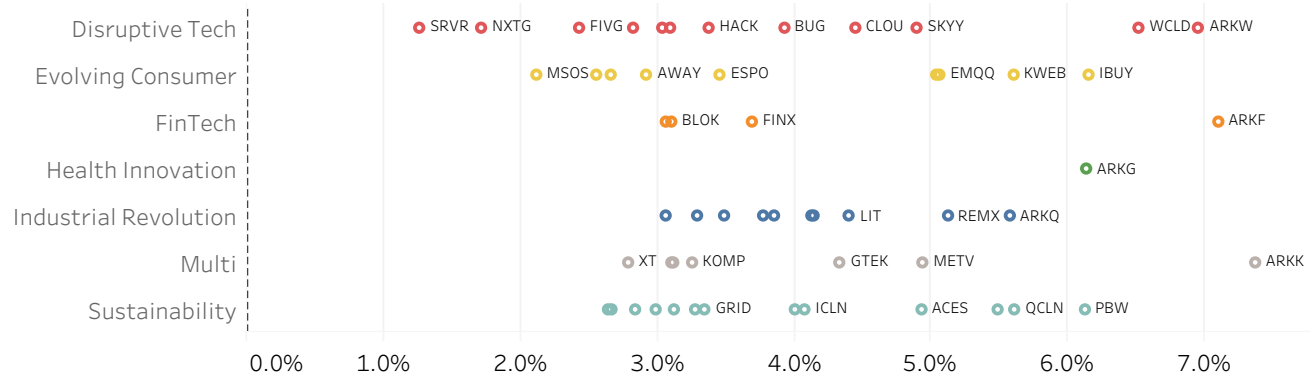


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
ARKK	ARK Innovation ETF	7.36%
ARKF	ARK Fintech Innovation ETF	7.10%
ARKW	ARK Next Generation Internet ETF	6.95%
KSTR	KraneShares SSE STAR Market 50 Index ETF	6.76%
WCLD	WisdomTree Cloud Computing Fund	6.51%
IBUY	Amplify Online Retail ETF	6.15%
ARKG	ARK Genomic Revolution ETF	6.13%
PBW	Invesco WilderHill Clean Energy ETF	6.12%
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	5.60%
KWEB	KraneShares CSI China Internet ETF	5.60%

Thematic Most Overbought

Ticker	Fund	1-Day Performance
TAN	Invesco Solar ETF	64.94
KSTR	KraneShares SSE STAR Market 50 Index ETF	64.47
KGRN	KraneShares MSCI China Clean Technology Index ETF	64.38
ICLN	iShares Global Clean Energy ETF	61.92
CNRG	SPDR S&P Kensho Clean Power ETF	61.77
KWEB	KraneShares CSI China Internet ETF	61.72
HERO	Global X Video Games & Esports ETF	61.67
KARS	KraneShares Electric Vehicles & Future Mobility Index ETF	61.44
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	61.36
LIT	Global X Lithium & Battery Tech ETF	61.08

Global Thematic 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
AGNG	Global X Aging Population ETF	1.01%
IDNA	iShares Genomics Immunology and Healthcare ETF Ge..	1.03%
SRVR	Pacer Benchmark Data & Infrastructure Real Estate S..	1.26%
YOLO	AdvisorShares Pure Cannabis ETF	1.31%
SBIO	ALPS Medical Breakthroughs ETF	1.42%
BLCN	Siren ETF Trust Siren Nasdaq NexGen Economy ETF	1.65%
NXTG	First Trust Indxx NextG ETF	1.71%
POTX	Global X Cannabis ETF	1.97%
KLDW	Knowledge Leaders Developed World ETF	2.00%
LEGR	First Trust Indxx Innovative Transaction & Process ETF	2.10%

Thematic Most Oversold

Ticker	Fund	1-Day Performance
POTX	Global X Cannabis ETF	35.20
YOLO	AdvisorShares Pure Cannabis ETF	38.43
CNBS	Amplify Seymour Cannabis ETF	39.19
BKCH	Global X Blockchain ETF	39.95
MJ	ETFMG Alternative Harvest ETF	40.55
BITQ	Bitwise Crypto Industry Innovators ETF	40.85
SBIO	ALPS Medical Breakthroughs ETF	41.62
MSOS	AdvisorShares Pure US Cannabis ETF	41.79
IDNA	iShares Genomics Immunology and Healthcare ETF Geno..	42.87
BLOK	Amplify Transformational Data Sharing ETF	44.29

* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify

Thematic 1 Week Flow Leaders

Ticker	Fund	
CIBR	First Trust NASDAQ Cybersecurity ETF	\$198M
LIT	Global X Lithium & Battery Tech ETF	\$39M
ARKF	ARK Fintech Innovation ETF	\$22M
KWEB	KraneShares CSI China Internet ETF	\$19M
TAN	Invesco Solar ETF	\$17M
SAMT	Strategas Macro Thematic Opportunities ETF	\$16M
ARKW	ARK Next Generation Internet ETF	\$12M
CNRG	SPDR S&P Kensho Clean Power ETF	\$11M
TARK	AXS 2X Innovation ETF	\$8M
ARKK	ARK Innovation ETF	\$7M

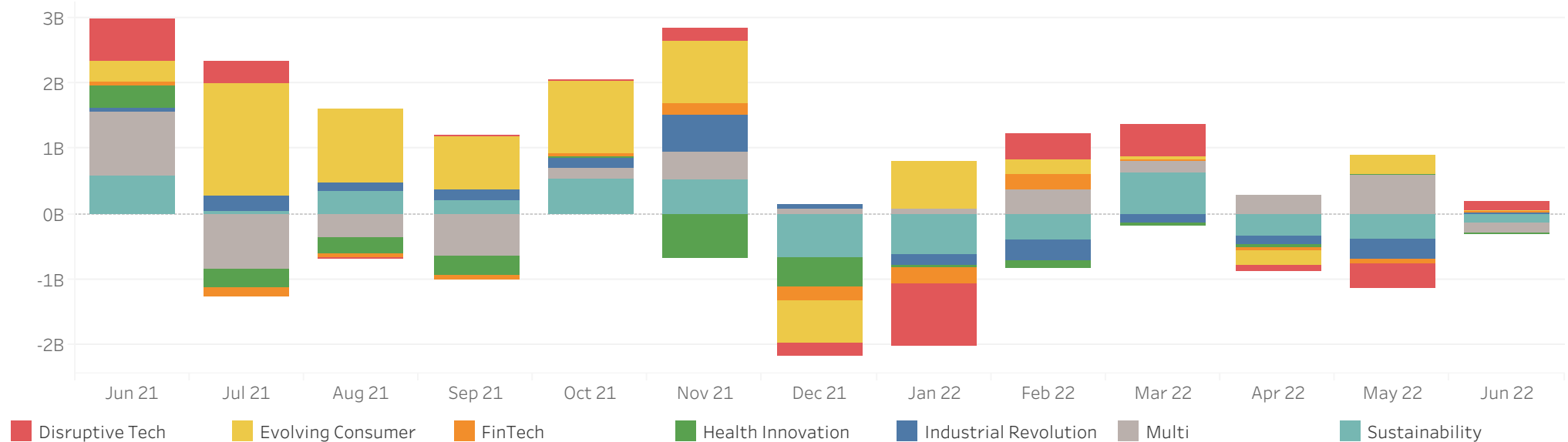
Thematic 1 Week Flow Laggards

Ticker	Fund	
ARKG	ARK Genomic Revolution ETF	(\$81M)
PBW	Invesco WilderHill Clean Energy ETF	(\$71M)
ACES	ALPS Clean Energy ETF	(\$30M)
SKYY	First Trust Cloud Computing ETF	(\$28M)
FIVG	Defiance Next Gen Connectivity ETF	(\$14M)
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure Index	(\$13M)
ICLN	iShares Global Clean Energy ETF	(\$12M)
NXTG	First Trust Indxx NextG ETF	(\$11M)
CLOU	Global X Cloud Computing ETF	(\$8M)
BUG	Global X Cybersecurity ETF	(\$7M)

Thematic Landscape Assets & Flows

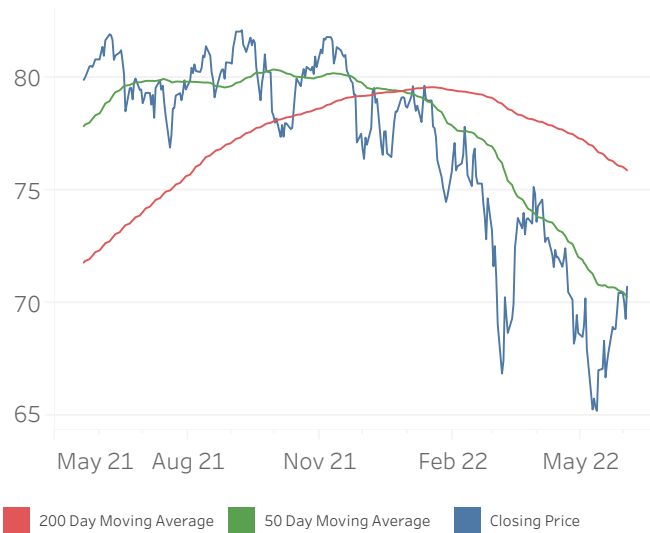
Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	35	\$20B	\$149M	(\$109M)	(\$572M)	\$663M
Evolving Consumer	48	\$11B	\$38M	\$289M	\$463M	\$6,446M
FinTech	24	\$4B	\$26M	(\$48M)	(\$241M)	(\$260M)
Health Innovation	19	\$3B	(\$66M)	(\$176M)	(\$686M)	(\$1,854M)
Industrial Revolution	32	\$13B	\$25M	(\$598M)	(\$1,017M)	\$394M
Multi	42	\$15B	(\$31M)	\$744M	\$1,449M	\$1,116M
Sustainability	41	\$18B	(\$130M)	(\$263M)	(\$1,777M)	\$359M
Grand Total	241	\$84B	\$11M	(\$160M)	(\$2,382M)	\$6,864M

Thematic Monthly Flows

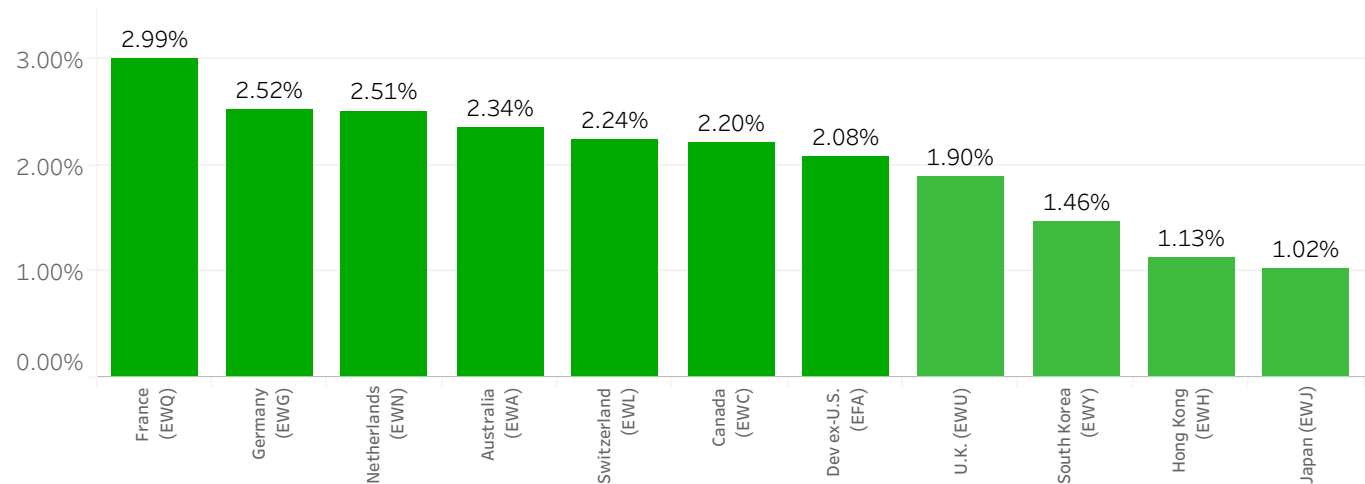


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

Developed ex-U.S. (EFA)



Developed ex-U.S. 1-Day Performance Top 10 Countries



Developed ex-U.S. 30-Day Rolling Flows



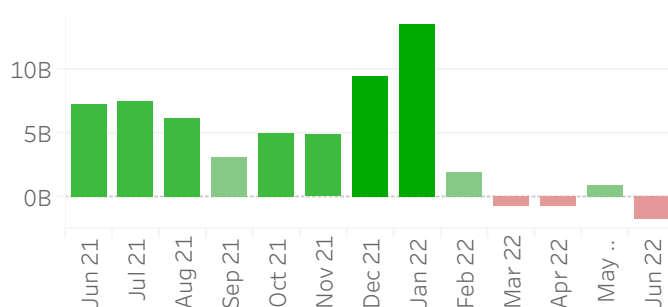
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EWD	iShares MSCI Sweden ETF	4.36%
CIL	VictoryShares International Volatility Wtd ETF	3.44%
EWQ	iShares MSCI France ETF	2.99%
IQDG	WisdomTree International Quality Dividend Growth Fund	2.87%
PIZ	Invesco DWA Developed Markets Momentum ETF	2.83%
FEZ	SPDR EURO STOXX 50 ETF	2.73%
DFE	WisdomTree Europe SmallCap Dividend Fund	2.53%
EWO	iShares MSCI Austria ETF	2.53%
EWG	iShares MSCI Germany ETF	2.52%
EWN	iShares MSCI Netherlands ETF	2.51%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
IVAL	Alpha Architect International Quantitative Value ETF	64.65
DXJ	WisdomTree Japan Hedged Equity Fund	64.03
DFIV	Dimensional International Value ETF	63.69
ICOW	Pacer Developed Markets International Cash Cows 100 ETF	63.33
IQIN	IQ 500 International ETF	63.25
FYLD	Cambria Foreign Shareholder Yield ETF	62.61
EWH	iShares MSCI Hong Kong ETF	62.54
EWO	iShares MSCI Austria ETF	62.29
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	61.96
FDT	First Trust Developed Markets ex-US AlphaDEX Fund	61.93

Developed ex-U.S. Monthly Flows



Developed ex-U.S. 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
PTIN	Pacer Trendpilot International ETF	-0.04%
QLVD	FlexShares Developed Markets ex-US Quality Low Volatilit..	0.48%
EWJV	iShares MSCI Japan Value ETF	0.70%
HEWJ	iShares Currency Hedged MSCI Japan ETF	0.72%
DXJ	WisdomTree Japan Hedged Equity Fund	0.73%
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	0.74%
SCJ	iShares MSCI Japan Small-Cap ETF	0.77%
JPN	iShares JPX-Nikkei 400 ETF	0.88%
DFJ	WisdomTree Japan SmallCap Dividend Fund	0.90%
LVHI	Legg Mason International Low Volatility High Dividend ETF	0.95%

Developed ex-U.S. Most Oversold

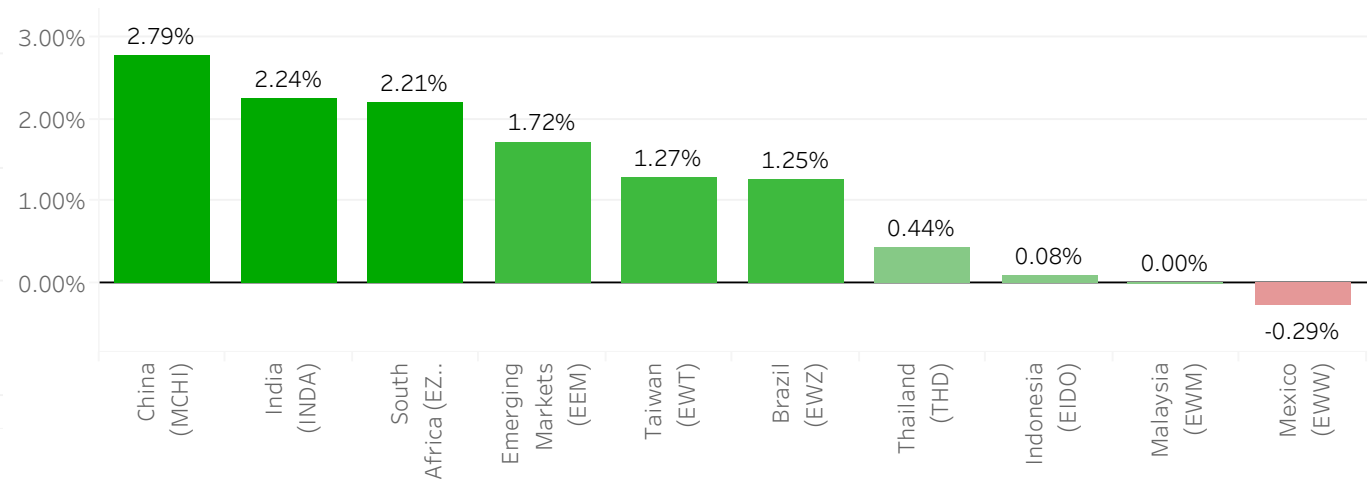
Ticker	Fund	Value
PTIN	Pacer Trendpilot International ETF	37.76
LVHI	Legg Mason International Low Volatility High Divide..	47.62
QEFA	SPDR MSCI EAFE StrategicFactors ETF	50.38
EFAD	ProShares MSCI EAFE Dividend Growers ETF	51.03
EIS	iShares MSCI Israel ETF	51.14
EWS	iShares MSCI Singapore ETF	51.32
WPS	iShares International Developed Property ETF	51.43
EFAX	SPDR MSCI EAFE Fossil Fuel Free ETF	51.46
EFV	iShares MSCI EAFE Min Vol Factor ETF	51.69
FLSW	Franklin FTSE Switzerland ETF	51.98

*ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

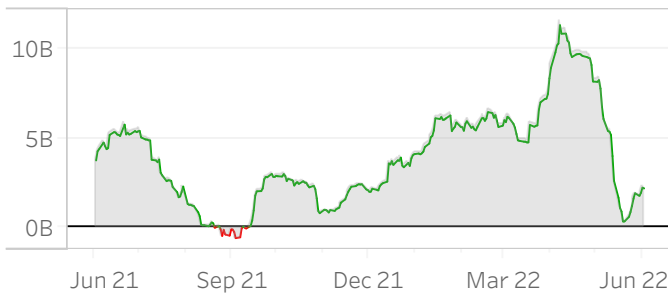
Emerging (EEM)



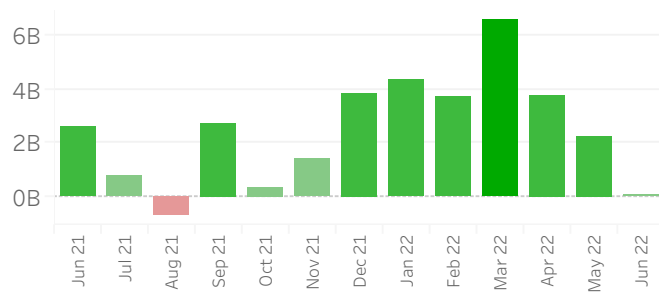
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
PGJ	Invesco Golden Dragon China ETF	4.57%
ECH	iShares MSCI Chile ETF	3.35%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	3.34%
EPOL	iShares MSCI Poland ETF	3.27%
FNI	First Trust Chindia ETF	3.07%
EPU	iShares MSCI Peru ETF	2.96%
FXI	iShares China Large-Cap ETF	2.89%
FLCH	Franklin FTSE China ETF	2.86%
MCHI	iShares MSCI China ETF	2.79%
CNYA	iShares MSCI China A ETF	2.69%

Emerging Most Overbought

Ticker	Fund	Value
ECH	iShares MSCI Chile ETF	69.33
FLN	First Trust Latin America AlphaDEX Fund	63.31
FRDM	Freedom 100 Emerging Markets ETF	63.15
EYLD	Cambria Emerging Shareholder Yield ETF	62.66
FXI	iShares China Large-Cap ETF	62.19
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	61.95
FNI	First Trust Chindia ETF	61.91
FLCH	Franklin FTSE China ETF	61.66
FEMS	First Trust Emerging Markets Small Cap AlphaDEX Fu..	61.55
MCHI	iShares MSCI China ETF	61.43

Emerging 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
EWW	iShares MSCI Mexico ETF	-0.29%
FLN	First Trust Latin America AlphaDEX Fund	-0.23%
EPHE	iShares MSCI Philippines ETF	-0.14%
EWM	iShares MSCI Malaysia ETF	0.00%
EIDO	iShares MSCI Indonesia ETF	0.08%
KSA	iShares MSCI Saudi Arabia ETF	0.09%
EDIV	SPDR S&P Emerging Markets Dividend ETF	0.11%
EELV	Invesco S&P Emerging Markets Low Volatility ETF	0.40%
TUR	iShares MSCI Turkey ETF	0.42%
THD	iShares MSCI Thailand ETF	0.44%

Emerging Most Oversold

Ticker	Fund	Value
QAT	iShares MSCI Qatar ETF	40.13
KSA	iShares MSCI Saudi Arabia ETF	42.62
EWM	iShares MSCI Malaysia ETF	44.19
EPHE	iShares MSCI Philippines ETF	45.42
VNM	VanEck Vietnam ETF	46.18
FM	iShares MSCI Frontier and Select EM ETF	46.98
GLIN	VanEck India Growth Leaders ETF	48.22
EDIV	SPDR S&P Emerging Markets Dividend ETF	51.46
NFTY	First Trust India NIFTY 50 Equal Weight ETF	51.95
EWW	iShares MSCI Mexico ETF	52.80

*ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

Fixed Income (AGG)



Commodities (DJP)



Currencies (UUP)



■ 200 Day Moving Average
 ■ 50 Day Moving Average
 ■ Closing Price

Fixed Income Performance

Ticker	Name	1 Day	1 Month	YTD
AGG	U.S. Aggregate	0.13%	1.02%	-9.00%
SHY	1-3 Year Treasury Bonds	0.02%	0.44%	-2.57%
IEF	7-10 Year Treasury Bonds	0.15%	0.95%	-10.15%
TLT	20+ Year Treasury Bonds	0.05%	-0.59%	-20.92%
TIP	TIPS Bonds	0.46%	0.52%	-6.07%
FLOT	Floating Rate Bonds	0.08%	-0.39%	-0.54%
LQD	Investment Grade Corporate	0.04%	1.92%	-13.39%
HYG	High Yield Corporate	0.42%	1.67%	-7.18%
BKLN	Senior Loan	0.38%	-0.83%	-2.62%
PFF	Preferred & Income Securities	0.49%	4.43%	-10.55%
MUB	Municipal Bonds	0.01%	1.63%	-6.46%
MBB	MBS	0.42%	1.59%	-7.32%
EMB	Dollar Denominated EM Bonds	0.97%	2.16%	-14.39%
LEMB	Local Currency EM Bond	0.97%	1.69%	-9.46%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	1.18%	4.50%	40.84%
DBE	Energy	2.23%	9.82%	68.97%
USO	WTI Crude Oil	2.00%	11.32%	60.50%
BNO	Brent Crude Oil	1.74%	11.12%	64.90%
UNG	Natural Gas	-3.36%	10.73%	130.50%
UGA	Gasoline	3.57%	25.20%	91.80%
DBP	Precious Metals	1.47%	-0.10%	0.04%
GLD	Gold	1.23%	0.41%	1.98%
SLV	Silver	2.29%	-1.34%	-4.28%
PPLT	abrdn Physical Platin..	2.58%	9.06%	5.56%
PALL	abrdn Physical Palla..	3.01%	-7.31%	8.26%
DBB	Base Metals	4.19%	0.68%	6.02%
CPER	Copper	5.30%	6.64%	1.51%
LD	Lead	1.59%	-4.40%	-5.30%
JJN	Nickel	5.03%	-3.24%	44.17%
JJU	Aluminum	3.19%	-4.51%	0.14%
JJT	Tin	2.06%	-9.53%	-7.46%
DBA	Agriculture	0.50%	0.41%	11.80%
CORN	Corn	0.36%	-6.95%	27.99%
SOYB	Soybeans	1.17%	1.53%	25.41%
WEAT	Wheat	2.38%	1.99%	45.33%
CANE	Sugar	-0.51%	3.17%	6.20%
BAL	Cotton	2.31%	-7.80%	28.02%
NIB	Cocoa	-0.61%	-3.89%	-4.75%
JO	Coffee	-0.43%	10.82%	6.53%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	-0.88%	-1.91%	6.05%
UDN	Short Dollar	0.69%	1.85%	-6.32%
FXE	Euro	0.88%	2.21%	-5.95%
FXB	British Pound Sterling	0.68%	0.64%	-7.14%
FXF	Swiss Franc	0.54%	1.99%	-5.26%
FXJ	Japanese Yen	0.25%	0.29%	-11.50%
FXC	Canadian Dollar	0.60%	2.32%	0.31%
FXA	Australian Dollar	1.20%	2.92%	-0.18%

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