

Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

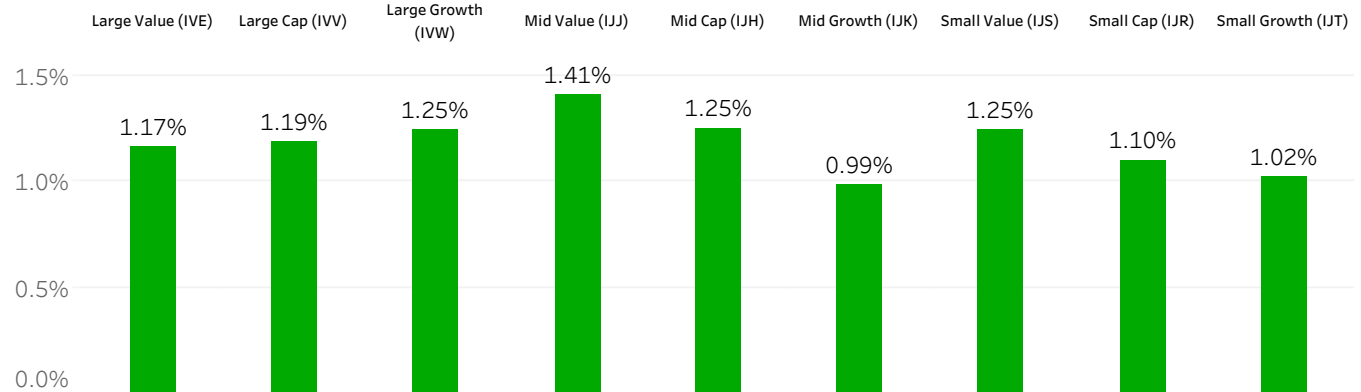


Small Cap Blend (S&P 600) IJR



■ 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	1-Day Performance
BUZZ	VanEck Social Sentiment ETF	3.50%
IPO	Renaissance IPO ETF	3.19%
SPHB	Invesco S&P 500 High Beta ETF	2.94%
AIEQ	AI Powered Equity ETF	2.72%
QQQE	Direxion NASDAQ-100 Equal Weighted Index Shares	2.29%
QQEW	First Trust Nasdaq-100 Equal Weighted Index Fund	2.26%
QQQ	Invesco QQQ Trust	2.22%
QQQM	Invesco NASDAQ 100 ETF	2.19%
ONEQ	Fidelity Nasdaq Composite Index ETF	2.13%
QQQJ	Invesco NASDAQ Next Gen 100 ETF	2.09%

Size & Style Most Overbought

Ticker	Fund	Price
RFV	Invesco S&P Midcap 400 Pure Value ETF	72.32
LSAT	Leadershars Alphafactor Tactical Focused ETF	71.82
QQH	HCM Defender 100 Index ETF	70.04
TMFS	Motley Fool Small-Cap Growth ETF	69.81
RZV	Invesco S&P Smallcap 600 Pure Value ETF	68.62
SPHB	Invesco S&P 500 High Beta ETF	68.59
GVIP	Goldman Sachs Hedge Industry VIP ETF	68.14
FNK	First Trust Mid Cap Value AlphaDEX Fund	67.84
CGGR	Capital Group Growth ETF	67.51
RWK	Invesco S&P MidCap 400 Revenue ETF	67.15

Size & Style 1-Day Performance Laggards

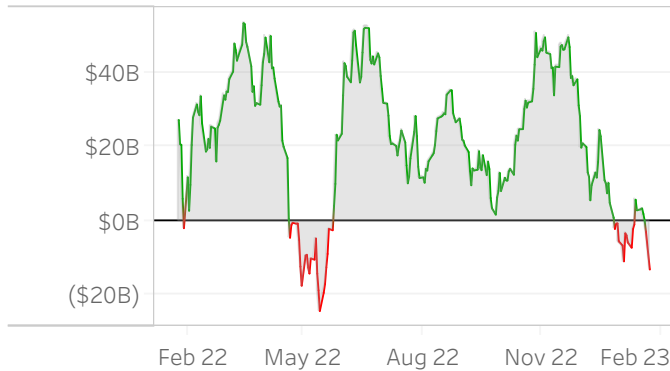
Ticker	Fund	1-Day Performance
SPC	CrossingBridge Pre-Merger SPAC ETF	-0.02%
PTLC	Pacer Trendpilot US Large Cap ETF	0.01%
SPMO	Invesco S&P 500 Momentum ETF	0.02%
ALTL	Pacer Lunt Large Cap Alternator ETF	0.05%
PALC	Pacer Lunt Large Cap Multi-Factor Alternator ETF	0.09%
XRLV	Invesco S&P 500 ex-Rate Sensitive Low Volatility ETF	0.11%
SPLV	Invesco S&P 500 Low Volatility ETF	0.14%
AUSF	Global X Adaptive U.S. Factor ETF	0.14%
HUSV	First Trust Horizon Managed Volatility Domestic ETF	0.14%
DVOL	First Trust Dorsey Wright Momentum & Low Volatility E..	0.19%

Size & Style Most Oversold

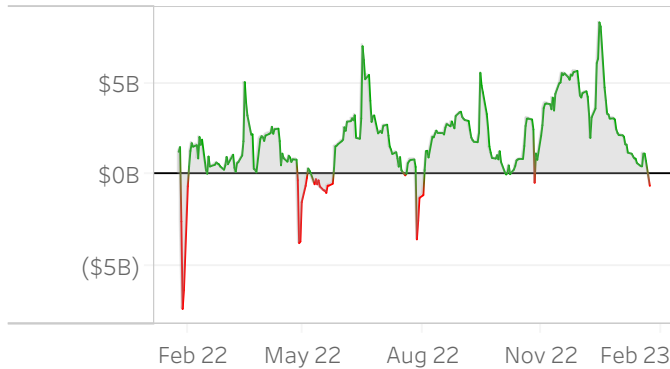
Ticker	Fund	Price
XRLV	Invesco S&P 500 ex-Rate Sensitive Low Volatility ETF	41.14
HUSV	First Trust Horizon Managed Volatility Domestic ETF	41.57
WBI	WBI BullBear Yield 3000 ETF	41.69
SPLV	Invesco S&P 500 Low Volatility ETF	41.78
ALTL	Pacer Lunt Large Cap Alternator ETF	42.01
DVOL	First Trust Dorsey Wright Momentum & Low Volatili..	42.19
AUSF	Global X Adaptive U.S. Factor ETF	44.79
MTUM	iShares MSCI USA Momentum Factor ETF	44.80
DURA	VanEck Durable High Dividend ETF	45.61
LVHD	Franklin U.S. Low Volatility High Dividend Index ETF	46.25

*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, Beta	25	\$1,214B	(\$1.65B)	(\$2.79B)	\$26.34B	\$70.68B
Large Cap, Beta, Beta: Growth	10	\$221B	(\$0.22B)	\$6.90B	\$12.19B	\$23.21B
Large Cap, Beta, Beta: Value	11	\$224B	(\$0.59B)	(\$0.51B)	\$2.15B	\$16.29B
Mid Cap, Beta, Beta	10	\$186B	\$0.12B	\$4.09B	\$7.04B	\$12.10B
Mid Cap, Beta, Beta: Growth	6	\$33B	(\$0.33B)	(\$0.36B)	\$0.64B	\$0.63B
Mid Cap, Beta, Beta: Value	6	\$41B	(\$0.26B)	\$0.11B	\$1.29B	\$0.97B
Small Cap, Beta, Beta	13	\$195B	(\$0.60B)	\$1.99B	\$5.23B	\$0.91B
Small Cap, Beta, Beta: Growth	7	\$32B	(\$0.09B)	\$0.63B	\$1.05B	\$1.90B
Small Cap, Beta, Beta: Value	7	\$51B	(\$0.06B)	\$1.18B	\$1.13B	(\$2.98B)

U.S. Size & Style Flow Leaders

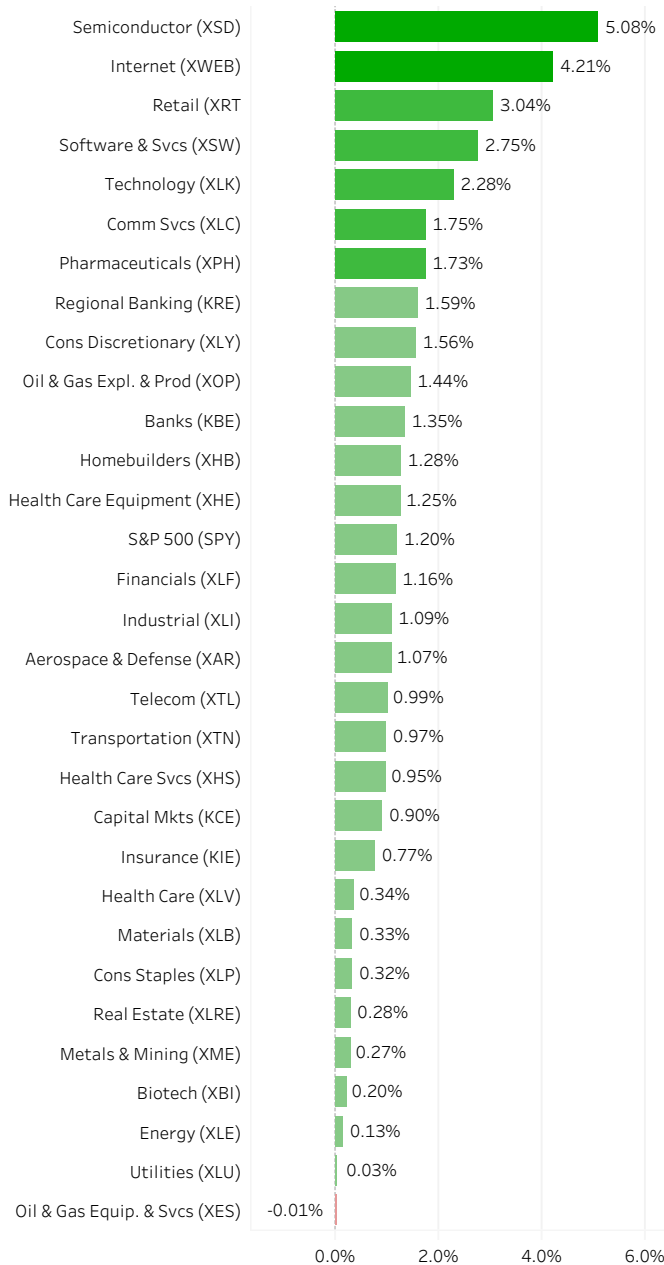
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	\$0.63B	\$1.56B	\$11.18B	(\$2.43B)	\$371.10B
VB	Vanguard Small-Cap ETF	\$0.40B	\$0.75B	\$1.36B	\$0.41B	\$42.83B
VUG	Vanguard Growth ETF	\$0.37B	\$2.11B	\$4.10B	\$9.83B	\$71.26B
VTI	Vanguard Total Stock Market ETF	\$0.36B	\$5.54B	\$13.57B	\$24.83B	\$267.68B
VONG	Vanguard Russell 1000 Growth ETF	\$0.32B	\$1.48B	\$3.15B	\$3.72B	\$9.62B
VTV	Vanguard Value ETF	\$0.30B	(\$3.50B)	(\$1.33B)	\$9.93B	\$99.66B
QVML	Invesco S&P 500 QVM Multi-factor ETF	\$0.25B	\$0.26B	\$0.26B	\$0.27B	\$1.00B
IVV	iShares Core S&P 500 ETF	\$0.25B	(\$1.77B)	\$4.77B	\$22.75B	\$298.80B
JVAL	JPMorgan U.S. Value Factor ETF	\$0.24B	\$0.21B	\$0.12B	\$0.24B	\$0.69B
RSP	Invesco S&P 500 Equal Weight ETF	\$0.24B	\$2.64B	\$2.97B	\$4.74B	\$35.05B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
QQQ	Invesco QQQ Trust	(\$2.11B)	(\$5.37B)	(\$8.43B)	(\$1.73B)	\$148.30B
IWM	iShares Russell 2000 ETF	(\$1.28B)	(\$1.27B)	(\$0.37B)	(\$3.59B)	\$52.99B
IWF	iShares Russell 1000 Growth ETF	(\$0.89B)	\$0.34B	\$0.89B	\$2.71B	\$59.91B
IWD	iShares Russell 1000 Value ETF	(\$0.86B)	(\$1.08B)	(\$0.62B)	(\$1.40B)	\$53.67B
DIA	SPDR Dow Jones Industrial Average ETF Trust	(\$0.51B)	\$0.01B	\$0.27B	\$0.30B	\$28.93B
HDV	iShares Core High Dividend ETF	(\$0.46B)	\$0.41B	(\$0.17B)	\$4.81B	\$12.59B
ITOT	iShares Core S&P Total U.S. Stock Market ETF	(\$0.39B)	(\$1.08B)	(\$2.25B)	\$1.27B	\$39.97B
IWB	iShares Russell 1000 ETF	(\$0.37B)	(\$0.36B)	\$0.44B	\$1.35B	\$28.04B
IWP	iShares Russell Mid-Cap Growth ETF	(\$0.31B)	(\$0.30B)	(\$0.34B)	(\$0.37B)	\$11.94B
IWS	iShares Russell Mid-Cap Value ETF	(\$0.26B)	(\$0.34B)	(\$0.19B)	(\$0.66B)	\$13.24B

* 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	-3.70%	35.32%	2.76%	10.85%	60.08
XLI	Industrial Select Sector SPDR Fund	-4.43%	20.80%	0.31%	6.47%	51.29
XLV	Health Care Select Sector SPDR Fund	-5.92%	12.08%	-1.20%	2.87%	47.03
XLB	Materials Select Sector SPDR Fund	-8.28%	23.37%	2.91%	6.22%	59.82
XLP	Consumer Staples Select Sector SPDR Fund	-9.58%	9.55%	-2.98%	-0.92%	39.69
XLU	Utilities Select Sector SPDR Fund	-11.35%	12.57%	-1.85%	-2.35%	41.41
XLF	Financial Select Sector SPDR Fund	-12.87%	18.06%	2.18%	6.08%	58.36
SPY	SPDR S&P 500 ETF Trust	-13.20%	12.36%	2.09%	1.78%	60.43
XLK	Technology Select Sector SPDR Fund	-18.12%	15.25%	3.81%	1.29%	63.86
XLRE	Real Estate Select Sector SPDR Fund	-22.27%	16.46%	3.09%	-2.76%	59.15
XLC	Communication Services Select Sector SPDR Fund	-24.82%	18.98%	8.40%	0.73%	72.49
XLY	Consumer Discretionary Select Sector SPDR Fund	-26.30%	11.79%	3.11%	-4.63%	62.31

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
XSD	SPDR S&P Semiconductor ETF	5.08%
SOXQ	Invesco PHLX Semiconductor ETF	5.05%
SOXX	iShares Semiconductor ETF	5.02%
PSI	Invesco Dynamic Semiconductors ETF	4.16%
FTXL	First Trust Nasdaq Semiconductor ETF	4.01%
QTEC	First Trust NASDAQ-100 Technology Sector Index ..	3.41%
XNTK	SPDR NYSE Technology ETF	3.28%
XRT	SPDR S&P Retail ETF	3.04%
FXL	First Trust Technology AlphaDEX Fund	2.83%
RYT	Invesco S&P 500 Equal Weight Technology ETF	2.81%

Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
PNQI	Invesco NASDAQ Internet ETF	73.88
VOX	Vanguard Communication Services ETF	73.49
FCOM	Fidelity MSCI Communication Services Index ETF	73.25
XLC	Communication Services Select Sector SPDR Fund	72.49
PEJ	Invesco Dynamic Leisure & Entertainment ETF	71.26
XNTK	SPDR NYSE Technology ETF	71.12
KBWD	Invesco KBW High Dividend Yield Financial ETF	69.86
XSD	SPDR S&P Semiconductor ETF	69.26
FDN	First Trust Dow Jones Internet Index Fund	68.84
PSCT	Invesco S&P SmallCap Information Technology ETF	68.83

Sector & Industry 1 Day Performance Laggards

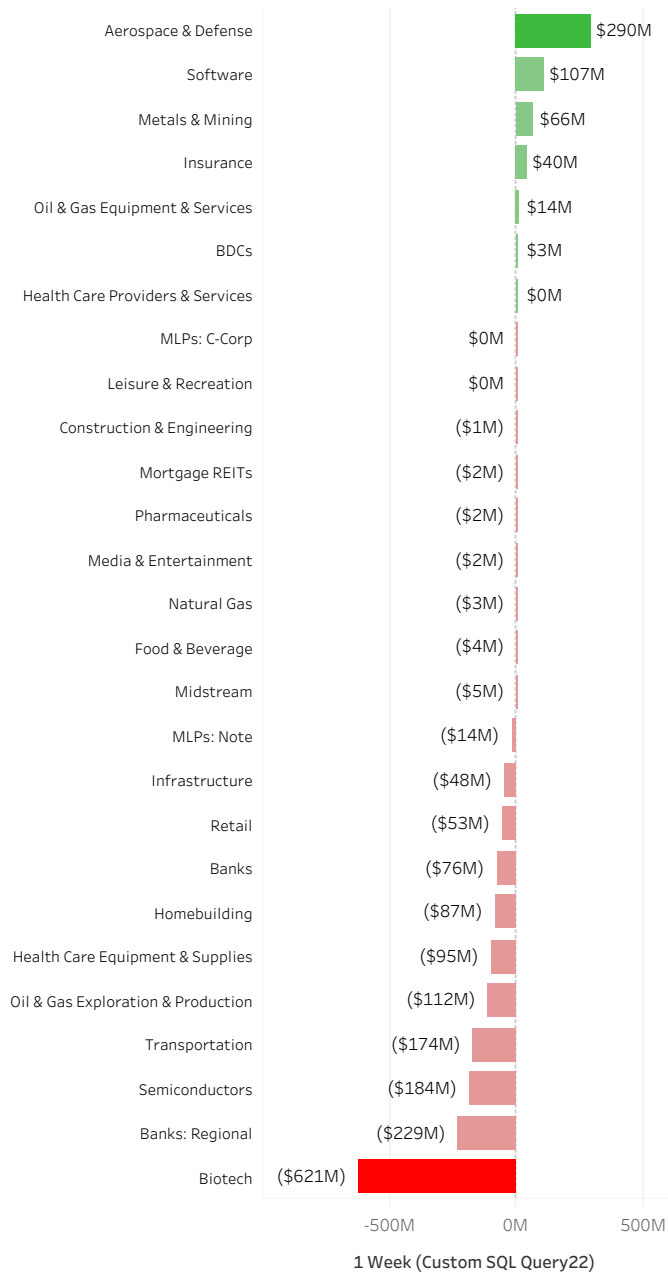
Ticker	Fund	1 Day Performance
IEZ	iShares U.S. Oil Equipment & Services ETF	-0.71%
PXJ	Invesco Dynamic Oil & Gas Services ETF	-0.37%
PTH	Invesco DWA Healthcare Momentum ETF	-0.17%
IYK	iShares U.S. Consumer Staples ETF	-0.17%
PBE	Invesco Dynamic Biotechnology & Genome ETF	-0.17%
RYU	Invesco S&P 500 Equal Weight Utilities ETF	-0.11%
XES	SPDR S&P Oil & Gas Equipment & Services ETF	-0.01%
FENY	Fidelity MSCI Energy Index ETF	0.00%
FTXG	First Trust Nasdaq Food & Beverage ETF	0.00%
XLU	Utilities Select Sector SPDR Fund	0.03%

Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
IYK	iShares U.S. Consumer Staples ETF	33.74
FTXG	First Trust Nasdaq Food & Beverage ETF	34.10
XLP	Consumer Staples Select Sector SPDR Fund	39.69
PBJ	Invesco Dynamic Food & Beverage ETF	41.04
RHS	Invesco S&P 500 Equal Weight Consumer Staples ETF	41.35
XLU	Utilities Select Sector SPDR Fund	41.41
IDU	iShares U.S. Utilities ETF	41.56
VDC	Vanguard Consumer Staples ETF	41.57
FSTA	FIDELITY COVINGTON TRUST MSCI CONSUMER STAPLES I..	41.61
FXG	First Trust Consumer Staples AlphaDEX Fund	41.95

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U.S. Sector & Industry 1-Week Flows



U.S. Sector Landscape

	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Communication Services	7	\$12B	(\$233M)	(\$104M)	(\$222M)	(\$838M)
Consumer Discretionary	12	\$20B	(\$191M)	(\$565M)	(\$109M)	(\$5,549M)
Consumer Staples	10	\$30B	\$42M	\$2,188M	\$3,034M	\$6,905M
Energy	32	\$82B	\$145M	(\$1,171M)	\$290M	(\$3,225M)
Financials	26	\$59B	(\$885M)	(\$975M)	\$226M	(\$17,327M)
Health Care	23	\$96B	(\$427M)	\$2,314M	\$1,671M	\$9,624M
Industrial	13	\$30B	(\$589M)	\$1,545M	\$905M	(\$2,075M)
Materials	9	\$15B	\$287M	\$561M	(\$583M)	(\$1,072M)
Multi-Sector	19	\$13B	(\$167M)	(\$347M)	(\$1,662M)	(\$6,663M)
Real Estate	25	\$61B	(\$75M)	\$166M	(\$992M)	(\$6,108M)
Technology	23	\$115B	(\$442M)	(\$1,138M)	\$227M	(\$541M)
Utilities	9	\$26B	(\$13M)	(\$336M)	\$316M	\$4,844M

U.S. Sector & Industry Flow Leaders

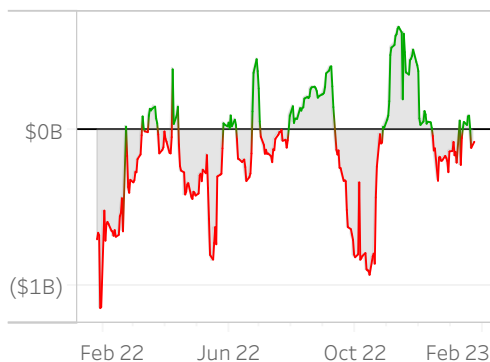
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLE	Energy Select Sector SPDR Fund	\$324M	(\$655M)	\$507M	(\$2,302M)	\$42,564M
ITA	iShares U.S. Aerospace & Defense ETF	\$289M	\$863M	\$799M	\$2,336M	\$4,946M
XLV	Health Care Select Sector SPDR Fund	\$232M	\$1,316M	\$1,189M	\$6,275M	\$41,347M
XLB	Materials Select Sector SPDR Fund	\$211M	\$296M	(\$250M)	(\$1,477M)	\$6,188M
IGV	iShares Expanded Tech-Software Sector ETF	\$107M	(\$474M)	\$198M	\$614M	\$4,603M
FUTY	Fidelity MSCI Utilities Index ETF	\$89M	\$177M	\$232M	\$1,091M	\$2,265M
RCD	Invesco S&P 500 Equal Weight Consumer Discr..	\$74M	\$193M	\$244M	\$205M	\$585M
XME	SPDR S&P Metals & Mining ETF	\$66M	\$387M	\$168M	\$92M	\$2,506M
VFH	Vanguard Financials ETF	\$64M	(\$109M)	(\$268M)	(\$1,720M)	\$8,823M
VDC	Vanguard Consumer Staples ETF	\$56M	\$149M	(\$32M)	\$374M	\$6,584M

U.S. Sector & Industry Flow Laggards

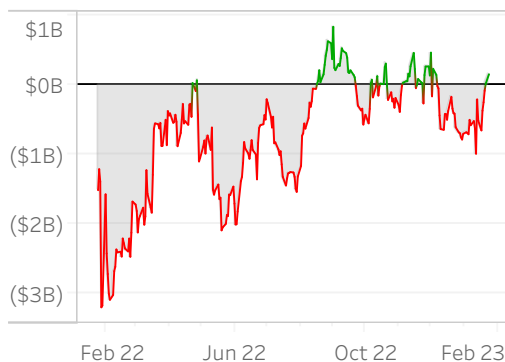
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLF	Financial Select Sector SPDR Fund	(\$647M)	\$256M	\$977M	(\$9,462M)	\$32,140M
XLI	Industrial Select Sector SPDR Fund	(\$635M)	\$540M	\$201M	(\$2,768M)	\$13,772M
XBI	SPDR S&P BIOTECH ETF	(\$600M)	\$628M	\$100M	\$2,796M	\$8,329M
XLK	Technology Select Sector SPDR Fund	(\$254M)	(\$309M)	\$477M	\$615M	\$39,423M
KRE	SPDR S&P Regional Banking ETF	(\$216M)	(\$918M)	(\$577M)	(\$2,253M)	\$2,363M
XLC	Communication Services Select Sector SPDR Fu..	(\$205M)	(\$79M)	(\$317M)	(\$528M)	\$8,837M
XTN	SPDR S&P Transportation ETF	(\$183M)	(\$204M)	(\$249M)	(\$431M)	\$256M
SOXX	iShares Semiconductor ETF	(\$176M)	(\$74M)	(\$310M)	(\$592M)	\$6,576M
XLY	Consumer Discretionary Select Sector SPDR Fu..	(\$168M)	(\$320M)	\$324M	(\$2,251M)	\$13,622M
XLRE	Real Estate Select Sector SPDR Fund	(\$118M)	\$99M	\$214M	\$106M	\$5,200M

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Communication Services



Consumer Discretionary



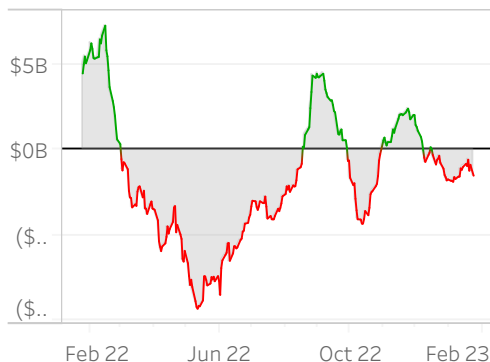
Consumer Staples



Energy



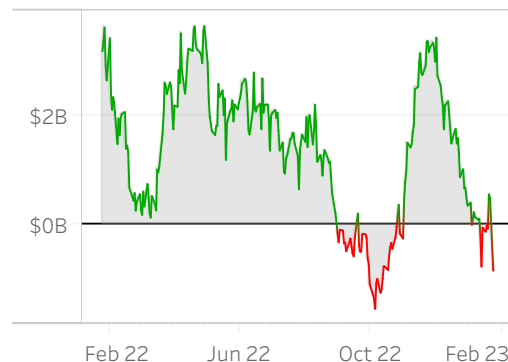
Financials



Industrial



Health Care



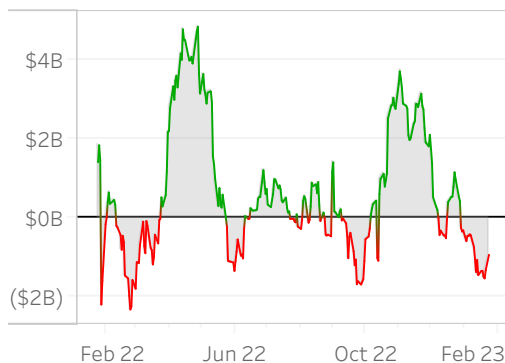
Materials



Real Estate



Technology



Utilities

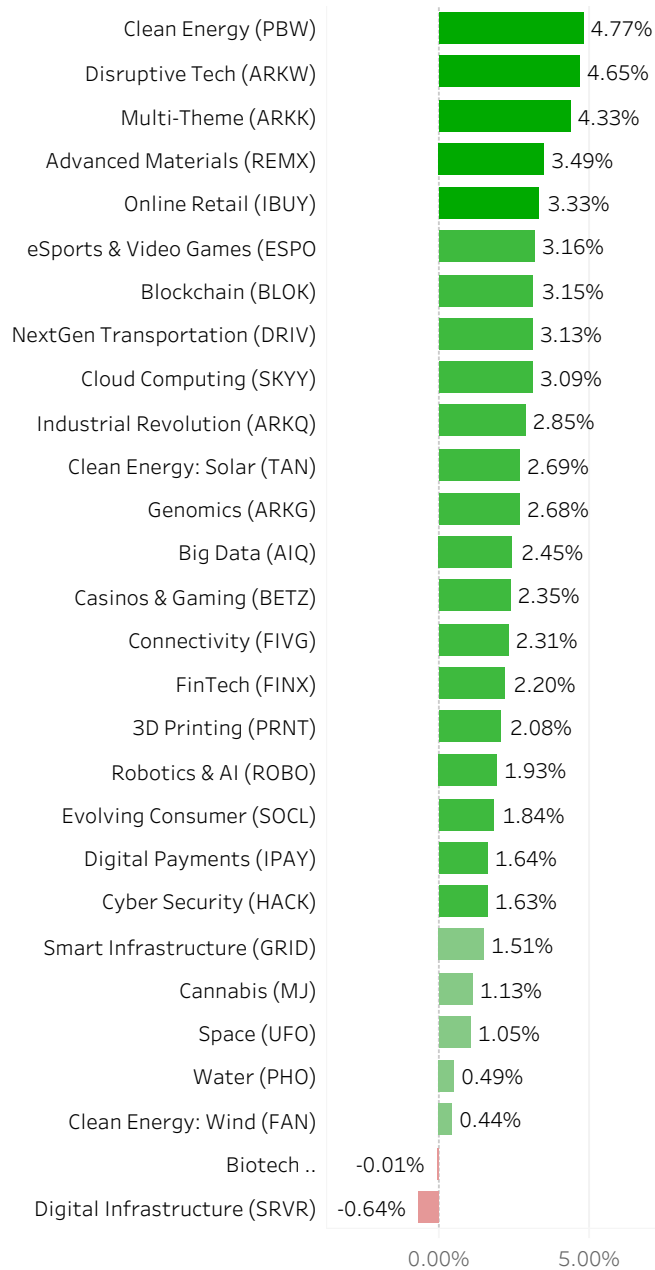


Multi-Sector

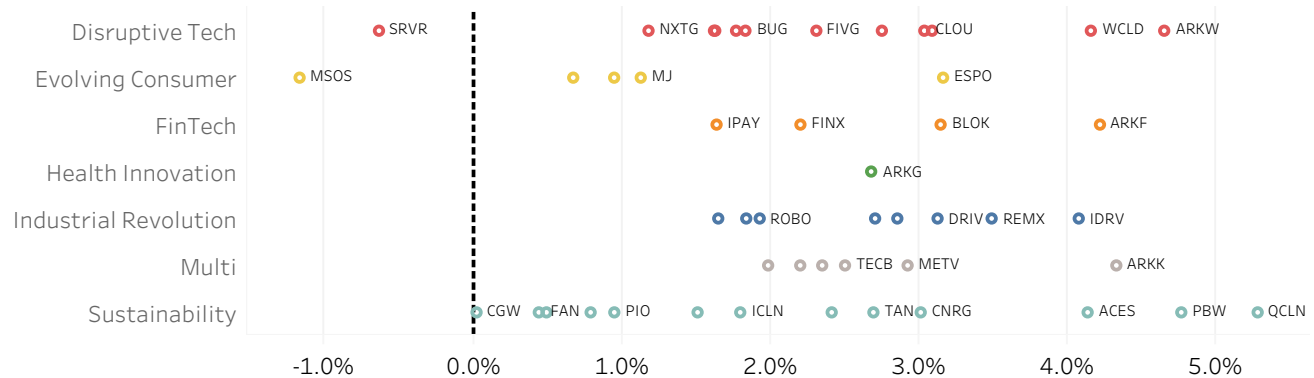


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	5.28%
BKCH	Global X Blockchain ETF	5.11%
BITQ	Bitwise Crypto Industry Innovators ETF	5.02%
PBW	Invesco WilderHill Clean Energy ETF	4.77%
ARKW	ARK Next Generation Internet ETF	4.65%
ARKK	ARK Innovation ETF	4.33%
ARKF	ARK Fintech Innovation ETF	4.22%
WCLD	WisdomTree Cloud Computing Fund	4.16%
ACES	ALPS Clean Energy ETF	4.14%
IDRV	iShares Self-driving EV & Tech ETF	4.08%

Thematic Most Overbought

Ticker	Fund	Price
AWAY	ETFMG Travel Tech ETF	82.77
EBIZ	Global X E-Commerce ETF	75.99
SOCL	Global X Social Media ETF	73.74
GBUY	Goldman Sachs Future Consumer Equity ETF	72.98
BITQ	Bitwise Crypto Industry Innovators ETF	72.97
BKCH	Global X Blockchain ETF	72.70
ROBO	ROBO Global Robotics & Automation Index ETF	72.47
IBUY	Amplify Online Retail ETF	71.98
IRBO	iShares Robotics and Artificial Intelligence Multisector ETF	71.90
ONLN	ProShares Online Retail ETF	71.84

Global Thematic 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
MSOS	AdvisorShares Pure US Cannabis ETF	-1.17%
MJUS	ETFMG U.S. Alternative Harvest ETF	-1.08%
SRVR	Pacer Data & Infrastructure Real Estate ETF	-0.64%
SBIO	ALPS Medical Breakthroughs ETF	-0.01%
CGW	Invesco S&P Global Water Index ETF	0.02%
EBLU	Ecofin Global Water ESG Fund	0.19%
AGNG	Global X Aging Population ETF	0.25%
FAN	First Trust Global Wind Energy ETF	0.44%
SAMT	Strategas Macro Thematic Opportunities ETF	0.46%
AWAY	ETFMG Travel Tech ETF	0.47%

Thematic Most Oversold

Ticker	Fund	Price
MJUS	ETFMG U.S. Alternative Harvest ETF	34.17
MSOS	AdvisorShares Pure US Cannabis ETF	36.51
YOLO	AdvisorShares Pure Cannabis ETF	46.63
SAMT	Strategas Macro Thematic Opportunities ETF	46.73
MJ	ETFMG Alternative Harvest ETF	47.19
RNRG	Global X Renewable Energy Producers ETF	53.02
PHO	Invesco Water Resources ETF	53.81
FIW	First Trust Water ETF	56.32
CGW	Invesco S&P Global Water Index ETF	56.51
ICLN	iShares Global Clean Energy ETF	56.63

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Thematic 1 Week Flow Leaders

Ticker	Fund	
ARKK	ARK Innovation ETF	\$164M
BOTZ	Global X Robotics & Artificial Intelligence ETF	\$14M
PBW	Invesco WilderHill Clean Energy ETF	\$14M
ARKF	ARK Fintech Innovation ETF	\$11M
XT	iShares Exponential Technologies ETF	\$10M
KWEB	KraneShares CSI China Internet ETF	\$8M
ROBO	ROBO Global Robotics & Automation Index ETF	\$8M
KOMP	SPDR S&P Kensho New Economies Composite ETF	\$7M
FAN	First Trust Global Wind Energy ETF	\$7M
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure Index	\$5M

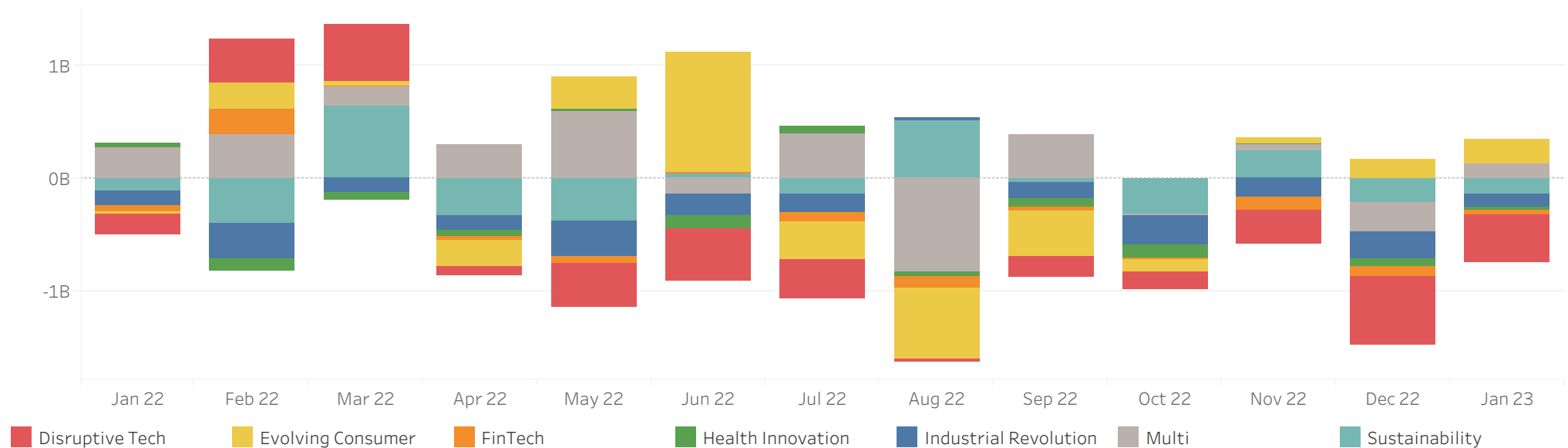
Thematic 1 Week Flow Laggards

Ticker	Fund	
SKYY	First Trust Cloud Computing ETF	(\$105M)
BUG	Global X Cybersecurity ETF	(\$82M)
LIT	Global X Lithium & Battery Tech ETF	(\$41M)
ARKG	ARK Genomic Revolution ETF	(\$38M)
SRVR	Pacer Data & Infrastructure Real Estate ETF	(\$22M)
ICLN	iShares Global Clean Energy ETF	(\$19M)
CIBR	First Trust NASDAQ Cybersecurity ETF	(\$15M)
FIW	First Trust Water ETF	(\$12M)
XPND	First Trust Expanded Technology ETF	(\$11M)
TARK	AXS 2X Innovation ETF	(\$11M)

Thematic Landscape Assets & Flows

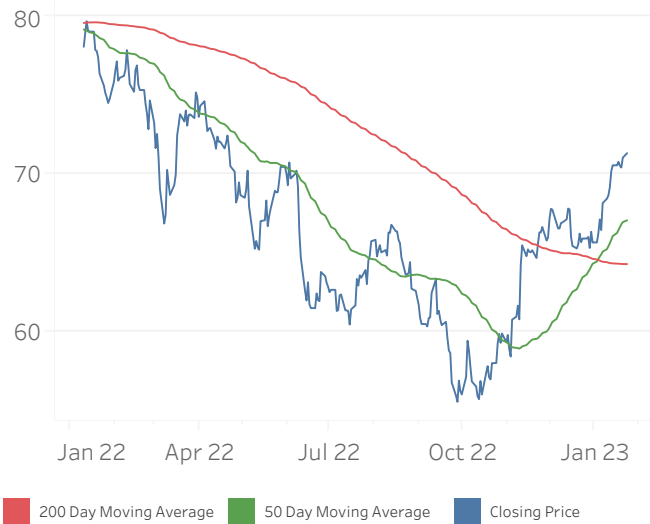
Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	35	\$15B	(\$250M)	(\$1,356M)	(\$1,706M)	(\$2,228M)
Evolving Consumer	46	\$11B	(\$6M)	\$446M	(\$921M)	\$303M
FinTech	20	\$3B	\$2M	(\$243M)	(\$452M)	(\$362M)
Health Innovation	19	\$3B	(\$44M)	(\$103M)	(\$435M)	(\$530M)
Industrial Revolution	31	\$11B	(\$31M)	(\$593M)	(\$933M)	(\$2,290M)
Multi	41	\$14B	\$316M	\$106M	(\$635M)	\$1,397M
Sustainability	40	\$18B	(\$29M)	(\$235M)	\$43M	(\$659M)
Grand Total	232	\$74B	(\$42M)	(\$1,978M)	(\$5,039M)	(\$4,369M)

Thematic Monthly Flows

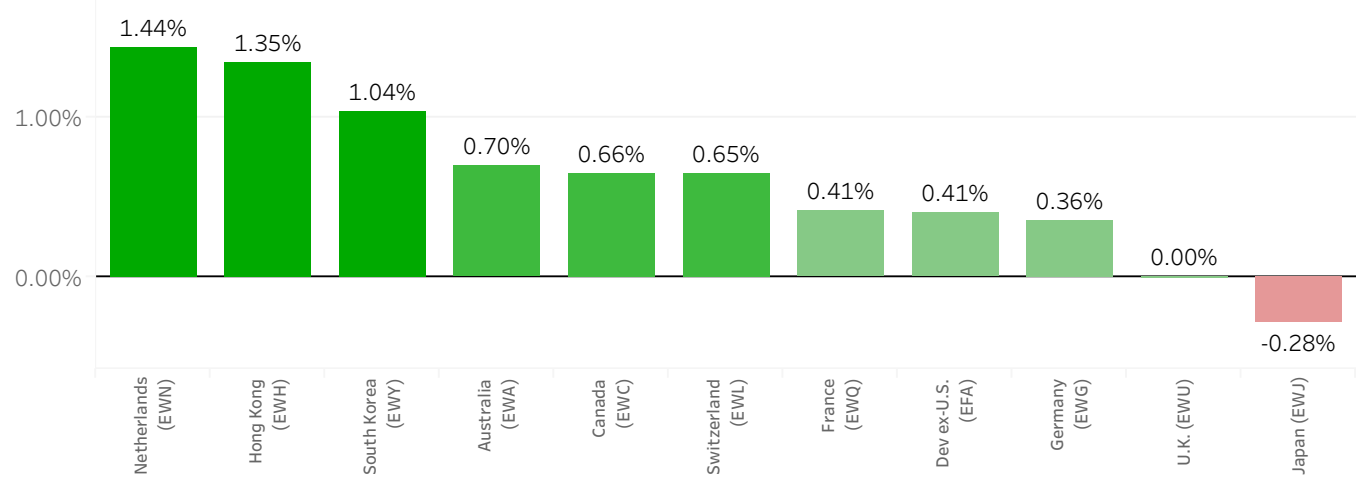


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

Developed ex-U.S. (EFA)



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



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



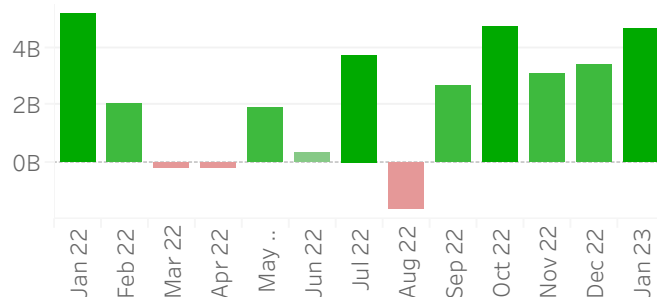
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
GREK	Global X MSCI Greece ETF	2.12%
EWD	iShares MSCI Sweden ETF	1.55%
EWN	iShares MSCI Netherlands ETF	1.44%
EWH	iShares MSCI Hong Kong ETF	1.35%
ISRA	VanEck Israel ETF	1.21%
MINV	Matthews Asia Innovators Active ETF	1.20%
AIA	iShares Asia 50 ETF	1.15%
FLKR	Franklin FTSE South Korea ETF	1.06%
EWY	iShares MSCI South Korea ETF	1.04%
IEUS	iShares MSCI Europe Small-Cap ETF	1.01%

Developed ex-U.S. Most Overbought

Ticker	Fund	Price
IMFL	Invesco International Developed Dynamic Multifactor ETF	78.38
IDV	iShares International Select Dividend ETF	77.95
DISV	Dimensional International Small Cap Value ETF	77.43
EWP	iShares MSCI Spain ETF	77.01
FEP	First Trust Europe AlphaDEX Fund	76.86
FYLD	Cambria Foreign Shareholder Yield ETF	76.10
DTH	WisdomTree International High Dividend Fund	75.77
AVIV	Avantis International Large Cap Value ETF	75.72
DIM	WisdomTree International MidCap Dividend Fund	75.65
AIA	iShares Asia 50 ETF	75.62

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
EWJV	iShares MSCI Japan Value ETF	-0.74%
DFJ	WisdomTree Japan SmallCap Dividend Fund	-0.35%
FLJP	Franklin FTSE Japan ETF	-0.31%
FJP	First Trust Japan AlphaDEX Fund	-0.29%
EWJ	iShares MSCI Japan ETF	-0.28%
BBJP	JPMorgan BetaBuilders Japan ETF	-0.23%
ENZL	iShares MSCI New Zealand ETF	-0.19%
JPXN	iShares JPX-Nikkei 400 ETF	-0.18%
SCJ	iShares MSCI Japan Small-Cap ETF	-0.12%
EWU	iShares MSCI United Kingdom ETF	0.00%

Developed ex-U.S. Most Oversold

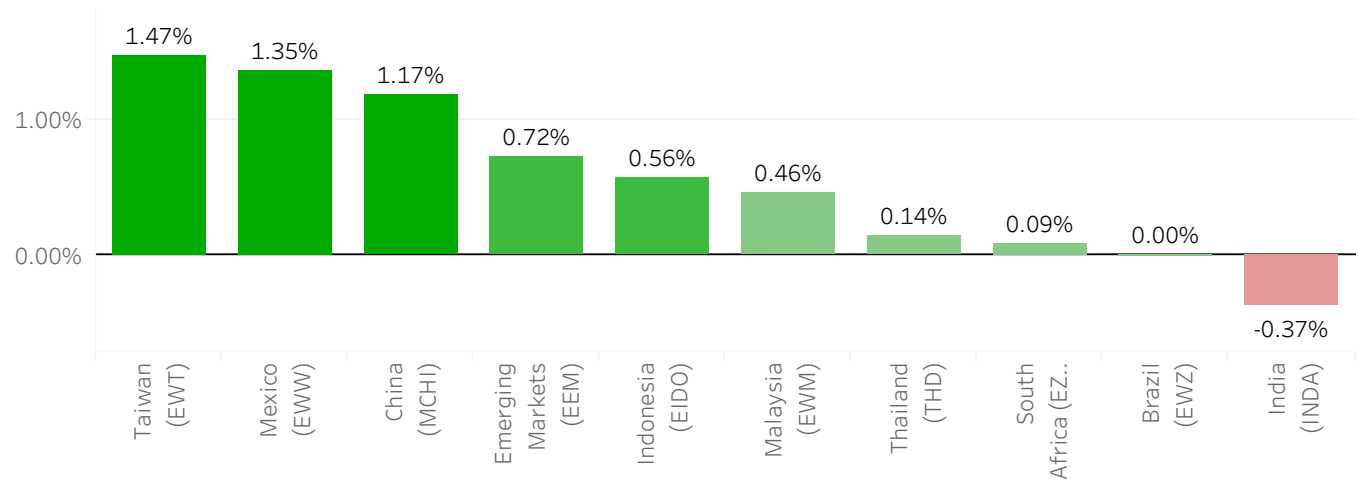
Ticker	Fund	Price
HEWJ	iShares Currency Hedged MSCI Japan ETF	49.35
NORW	Global X MSCI Norway ETF	56.29
HSCZ	iShares Currency Hedged MSCI EAFE Small-Cap ETF	59.78
HEFA	iShares Currency Hedged MSCI EAFE ETF	59.85
IMOM	Alpha Architect International Quantitative Moment..	60.44
IVAL	Alpha Architect International Quantitative Value ETF	61.33
DBEF	Xtrackers MSCI EAFE Hedged Equity ETF	61.56
HEZU	iShares Currency Hedged MSCI Eurozone ETF	61.64
ISRA	VanEck Israel ETF	62.33
IHDG	WisdomTree International Hedged Quality Dividend ..	62.63

* 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)



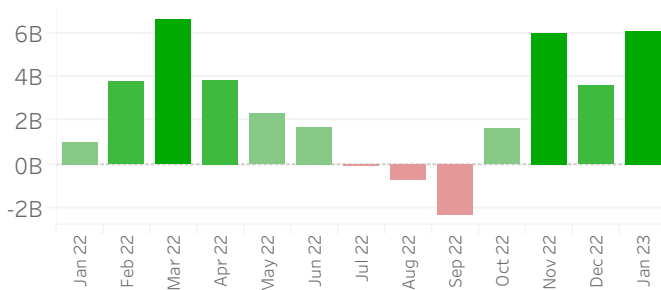
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
QAT	iShares MSCI Qatar ETF	1.74%
PGJ	Invesco Golden Dragon China ETF	1.68%
ECH	iShares MSCI Chile ETF	1.67%
ECNS	iShares MSCI China Small-Cap ETF	1.57%
EPOL	iShares MSCI Poland ETF	1.50%
EWT	iShares MSCI Taiwan ETF	1.47%
ADRE	Invesco BLDERS Emerging Markets 50 ADR Index Fund	1.44%
FTW	Franklin FTSE Taiwan ETF	1.42%
EWW	iShares MSCI Mexico ETF	1.35%
DBEM	Xtrackers MSCI Emerging Markets Hedged Equity ETF	1.18%

Emerging Most Overbought

Ticker	Fund	Price
ADRE	Invesco BLDERS Emerging Markets 50 ADR Index Fund	78.97
CNYA	iShares MSCI China A ETF	78.51
DGRI	WisdomTree Emerging Markets Quality Dividend Gro..	78.34
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	78.15
EWM	iShares MSCI Malaysia ETF	77.46
DEM	WisdomTree Emerging Markets High Dividend Fund	77.31
MFEM	PIMCO RAFI Dynamic Multi-Factor Emerging Markets..	76.87
PXH	Invesco FTSE RAFI Emerging Markets ETF	76.46
DEHP	Dimensional Emerging Markets High Profitability ETF	76.14
JPEM	J.P. Morgan Diversified Return Emerging Markets Eq..	75.98

Emerging 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
TUR	iShares MSCI Turkey ETF	-1.71%
SMIN	iShares MSCI India Small Cap ETF	-0.70%
EPI	WisdomTree India NIFTY 50 Equal Weight ETF	-0.59%
EPHE	iShares MSCI Philippines ETF	-0.44%
INDA	iShares MSCI India ETF	-0.37%
PIN	Invesco India ETF	-0.32%
INDY	iShares India 50 ETF	-0.25%
EPU	iShares MSCI Peru ETF	-0.16%
FLIN	Franklin FTSE India ETF	-0.10%
GLIN	VanEck India Growth Leaders ETF	-0.06%

Emerging Most Oversold

Ticker	Fund	Price
PIN	Invesco India ETF	38.07
SMIN	iShares MSCI India Small Cap ETF	47.48
NFTY	First Trust India NIFTY 50 Equal Weight ETF	52.96
EWZ	iShares MSCI Brazil ETF	53.13
FLBR	Franklin FTSE Brazil ETF	53.21
QAT	iShares MSCI Qatar ETF	53.56
INDA	iShares MSCI India ETF	53.99
INDY	iShares India 50 ETF	54.44
FLIN	Franklin FTSE India ETF	54.55
EWZS	iShares MSCI Brazil Small-Cap ETF	54.65

*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	-0.25%	1.91%	2.94%
SHY	1-3 Year Treasury Bonds	-0.10%	0.47%	0.65%
IEF	7-10 Year Treasury Bonds	-0.32%	2.17%	3.21%
TLT	20+ Year Treasury Bonds	-0.47%	3.47%	6.17%
TIP	TIPS Bonds	-0.09%	1.52%	1.98%
FLOT	Floating Rate Bonds	0.04%	0.70%	0.46%
LQD	Investment Grade Corporate	-0.29%	2.96%	4.55%
HYG	High Yield Corporate	-0.01%	2.38%	3.44%
BKLN	Senior Loan	0.25%	1.79%	3.18%
PFF	Preferred & Income Securities	0.79%	8.04%	8.78%
MUB	Municipal Bonds	-0.22%	1.88%	2.09%
MBB	MBS	-0.33%	1.92%	2.96%
EMB	Dollar Denominated EM Bonds	-0.06%	3.84%	4.56%
LEMB	Local Currency EM Bond	0.17%	3.89%	3.77%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	0.45%	0.12%	-0.06%
DBE	Energy	1.01%	2.66%	1.76%
USO	WTI Crude Oil	-0.07%	3.14%	1.98%
BNO	Brent Crude Oil	0.28%	4.06%	2.37%
UNG	Natural Gas	7.31%	-30.80%	-21.91%
UGA	Gasoline	1.62%	12.96%	8.07%
DBP	Precious Metals	-0.29%	5.55%	3.95%
GLD	Gold	0.19%	7.40%	5.89%
SLV	Silver	-2.00%	-1.24%	-2.00%
PPLT	abrdn Physical Platin..	0.65%	2.24%	-2.35%
PALL	abrdn Physical Palla..	-1.66%	-3.07%	-4.29%
DBB	Base Metals	0.27%	12.68%	13.32%
CPER	Copper	-0.54%	11.84%	11.69%
LD	Lead	-2.21%	-5.97%	-11.78%
JJN	Nickel	0.16%	-4.69%	-5.15%
JJU	Aluminum	1.17%	9.78%	9.74%
JJT	Tin	0.02%	23.22%	17.87%
DBA	Agriculture	-0.15%	-4.06%	-3.82%
CORN	Corn	-1.28%	-0.80%	-2.90%
SOYB	Soybeans	-0.87%	-1.36%	-3.65%
WEAT	Wheat	-3.05%	-6.29%	-8.52%
CANE	Sugar	-0.05%	-3.66%	-1.05%
BAL	Cotton	0.91%	3.11%	5.27%
NIB	Cocoa	1.18%	-1.13%	0.66%
JO	Coffee	2.85%	-7.46%	-4.82%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.15%	-1.79%	-1.19%
UDN	Short Dollar	0.00%	2.45%	1.68%
FXE	Euro	0.13%	2.43%	1.57%
FXB	British Pound Sterling	-0.17%	2.91%	2.64%
FXF	Swiss Franc	-0.23%	1.24%	0.20%
FXJ	Japanese Yen	-0.87%	1.70%	0.38%
FXC	Canadian Dollar	0.05%	1.80%	1.35%
FXA	Australian Dollar	0.85%	4.63%	3.22%

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

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Contact us at:

team@etfaction.com

www.etfaction.com