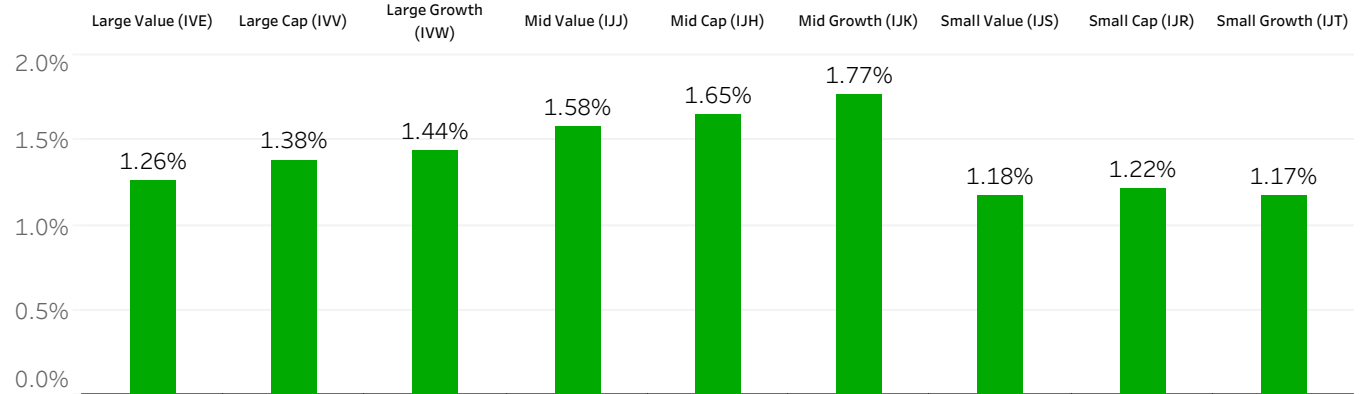


Large Cap Blend (S&P 500) IVV



U.S. Size & Style 1-Day Performance



Mid Cap Blend (S&P 400) IJH



Small Cap Blend (S&P 600) IJR



Size & Style 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
ACSI	American Customer Satisfaction ETF	4.16%
FFTY	Innovator IBD 50 ETF	3.42%
QVAL	Alpha Architect U.S. Quantitative Value ETF	2.92%
COWZ	Pacer US Cash Cows 100 ETF	2.59%
RDIV	Invesco S&P Ultra Dividend Revenue ETF	2.58%
WBIY	WBI Power Factor High Dividend ETF	2.33%
SYLD	Cambria Shareholder Yield ETF	2.32%
XMVM	Invesco S&P MidCap Value with Momentum ETF	2.31%
QVMM	Invesco S&P MidCap 400 QVM Multi-factor ETF	2.29%
QMOM	Alpha Architect U.S. Quantitative Momentum ETF	2.28%

Size & Style Most Overbought

Ticker	Fund	Value
PTMC	Pacer Trendpilot US Mid Cap ETF	84.08
USNZ	Xtrackers Net Zero Pathway Paris Aligned US Equity ETF	75.67
DJD	Invesco Dow Jones Industrial Average Dividend ETF	74.07
DEIF	Sterling Capital Diverse Multi-Manager Active ETF	73.86
DURA	VanEck Durable High Dividend ETF	72.66
PWC	Invesco Dynamic Market ETF	71.32
SIXL	ETC 6 Meridian Low Beta Equity ETF	70.71
EDOW	First Trust Dow 30 Equal Weight ETF	70.70
SIXS	ETC 6 Meridian Small Cap Equity ETF	70.63
ABEQ	Absolute Select Value ETF	70.28

Size & Style 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
NZUS	SPDR MSCI USA Climate Paris Aligned ETF	-1.02%
RPHS	Regents Park Hedged Market Strategy ETF	-0.12%
PTLC	Pacer Trendpilot US Large Cap ETF	-0.05%
SPC	CrossingBridge Pre-Merger SPAC ETF	0.00%
TMFS	Motley Fool Small-Cap Growth ETF	0.01%
LSAT	Leadershares Alphafactor Tactical Focused ETF	0.02%
IPO	Renaissance IPO ETF	0.23%
QQXT	First Trust Nasdaq-100 Ex-Technology Sector Index Fund	0.38%
PTNQ	Pacer Trendpilot 100 ETF	0.50%
FDM	First Trust Dow Jones Select MicroCap Index Fund	0.52%

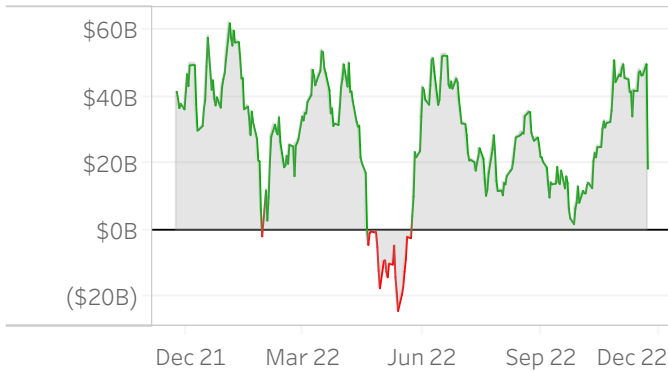
Size & Style Most Oversold

Ticker	Fund	Value
IPO	Renaissance IPO ETF	42.26
GUSA	Goldman Sachs MarketBeta U.S. 1000 Equity ETF	47.05
LSAT	Leadershares Alphafactor Tactical Focused ETF	47.53
RPHS	Regents Park Hedged Market Strategy ETF	50.12
BUZZ	VanEck Social Sentiment ETF	50.17
FPX	First Trust US Equity Opportunities ETF	50.28
AIEQ	AI Powered Equity ETF	50.69
TMFS	Motley Fool Small-Cap Growth ETF	52.41
IWC	iShares Micro-Cap ETF	52.75
WINN	Harbor Long-Term Growers ETF	53.06

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

\* 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	\$1,242B	\$1.08B	\$35.84B	\$75.86B	\$117.54B
Large Cap, Beta Growth, Beta: Growth	10	\$220B	\$0.70B	\$4.16B	\$13.57B	\$21.54B
Large Cap, Beta Growth, Beta: Value	11	\$226B	(\$0.02B)	\$3.96B	\$5.46B	\$22.52B
Mid Cap, Beta, Beta	10	\$181B	\$0.45B	\$3.98B	\$7.02B	\$14.13B
Mid Cap, Beta, Beta: Growth	6	\$33B	\$0.00B	\$0.05B	\$1.44B	\$0.83B
Mid Cap, Beta, Beta: Value	6	\$41B	\$0.05B	\$1.34B	\$1.93B	\$1.66B
Small Cap, Beta, Beta	13	\$195B	\$0.69B	\$3.76B	\$6.77B	\$3.30B
Small Cap, Beta, Beta: Growth	7	\$31B	\$0.04B	\$0.12B	\$0.87B	\$1.74B
Small Cap, Beta, Beta: Value	7	\$51B	\$0.00B	\$0.74B	(\$0.23B)	(\$2.41B)

### U.S. Size & Style Flow Leaders

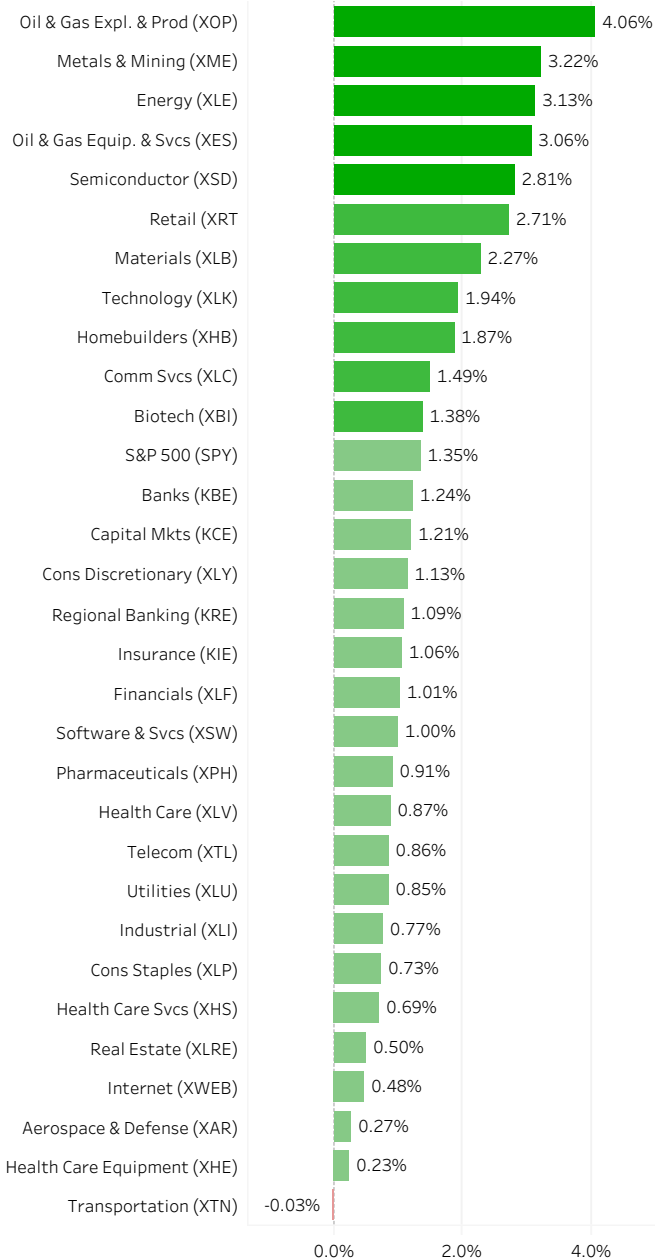
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IWM	iShares Russell 2000 ETF	\$0.65B	\$2.12B	\$2.76B	(\$3.22B)	\$55.39B
FVD	First Trust Value Line Dividend Index Fund	\$0.60B	\$0.70B	\$0.81B	\$0.81B	\$13.15B
VOO	Vanguard S&P 500 ETF	\$0.59B	\$10.25B	\$26.33B	\$41.84B	\$273.67B
VTI	Vanguard Total Stock Market ETF	\$0.54B	\$7.82B	\$13.36B	\$30.32B	\$267.86B
SCHD	Schwab US Dividend Equity ETF	\$0.46B	\$4.19B	\$7.58B	\$13.29B	\$43.67B
IJH	iShares Core S&P Mid-Cap ETF	\$0.29B	\$2.20B	\$3.51B	\$5.60B	\$65.04B
VUG	Vanguard Growth ETF	\$0.27B	\$1.59B	\$4.93B	\$9.31B	\$71.06B
VONG	Vanguard Russell 1000 Growth ETF	\$0.26B	\$1.97B	\$2.56B	\$3.06B	\$9.00B
SPY	SPDR S&P 500 ETF Trust	\$0.20B	\$12.97B	\$17.84B	\$20.20B	\$377.26B
COWZ	Pacer US Cash Cows 100 ETF	\$0.18B	\$2.27B	\$4.24B	\$8.70B	\$9.89B

### U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
DIA	SPDR Dow Jones Industrial Average ETF Trust	(\$0.77B)	\$0.13B	\$0.67B	\$1.45B	\$29.85B
MGK	Vanguard Mega Cap Growth ETF	(\$0.16B)	(\$0.55B)	(\$0.05B)	\$0.56B	\$10.00B
VTWO	Vanguard Russell 2000 ETF	(\$0.12B)	\$0.36B	(\$0.12B)	\$0.02B	\$5.56B
RSP	Invesco S&P 500 Equal Weight ETF	(\$0.11B)	\$1.61B	\$1.81B	\$5.31B	\$33.09B
QUAL	iShares MSCI USA Quality Factor ETF	(\$0.09B)	(\$1.37B)	(\$1.88B)	(\$1.76B)	\$18.21B
IWD	iShares Russell 1000 Value ETF	(\$0.09B)	\$0.77B	\$0.28B	\$0.19B	\$54.22B
VTV	Vanguard Value ETF	(\$0.07B)	\$0.83B	\$3.11B	\$15.00B	\$103.99B
IWN	iShares Russell 2000 Value ETF	(\$0.05B)	\$0.19B	\$0.26B	(\$1.67B)	\$12.39B
DFUV	Dimensional US Marketwide Value ETF	(\$0.05B)	\$0.07B	\$0.25B	\$0.25B	\$8.20B
UTRN	Vesper U.S. Large Cap Short-Term Reversal St..	(\$0.05B)	\$0.00B	\$0.00B	\$0.02B	\$0.07B

\* 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	-0.91%	75.85%	11.12%	18.16%	60.81
XLV	Health Care Select Sector SPDR Fund	-4.92%	13.27%	6.22%	4.37%	65.98
XLP	Consumer Staples Select Sector SPDR Fund	-5.75%	14.20%	7.56%	3.19%	70.43
XLI	Industrial Select Sector SPDR Fund	-6.09%	21.35%	10.68%	6.83%	69.52
XLB	Materials Select Sector SPDR Fund	-9.41%	21.93%	11.97%	3.57%	68.90
XLU	Utilities Select Sector SPDR Fund	-10.71%	13.38%	3.44%	-1.87%	59.71
XLF	Financial Select Sector SPDR Fund	-13.47%	18.32%	9.15%	4.19%	65.57
SPY	SPDR S&P 500 ETF Trust	-16.29%	12.16%	5.83%	-1.02%	61.04
XLK	Technology Select Sector SPDR Fund	-24.60%	14.28%	6.34%	-3.33%	59.11
XLRE	Real Estate Select Sector SPDR Fund	-25.67%	14.04%	5.02%	-9.14%	60.21
XLY	Consumer Discretionary Select Sector SPDR Fund	-33.18%	6.42%	-2.44%	-10.61%	47.96
XLC	Communication Services Select Sector SPDR Fund	-36.79%	9.78%	1.25%	-13.35%	54.02

### Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
PXI	Invesco DWA Energy Momentum ETF	4.23%
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	4.06%
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	3.88%
PSCE	Invesco S&P SmallCap Energy ETF	3.87%
FXN	First Trust Energy AlphaDEX Fund	3.86%
FCG	First Trust Natural Gas ETF	3.67%
PXE	Invesco Dynamic Energy Exploration & Production ..	3.65%
FTXN	First Trust Nasdaq Oil & Gas ETF	3.57%
RYE	Invesco S&P 500 Equal Weight Energy ETF	3.54%
FENY	Fidelity MSCI Energy Index ETF	3.39%

### Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
XLP	Consumer Staples Select Sector SPDR Fund	70.43
IYK	iShares U.S. Consumer Staples ETF	70.22
FXG	First Trust Consumer Staples AlphaDEX Fund	69.75
VDC	Vanguard Consumer Staples ETF	69.59
XLI	Industrial Select Sector SPDR Fund	69.52
FSTA	FIDELITY COVINGTON TRUST MSCI CONSUMER STAPLES..	69.35
RHS	Invesco S&P 500 Equal Weight Consumer Staples ETF	69.30
PSL	Invesco DWA Consumer Staples Momentum ETF	69.26
XLB	Materials Select Sector SPDR Fund	68.90
VAW	Vanguard Materials ETF	68.34

### Sector & Industry 1 Day Performance Laggards

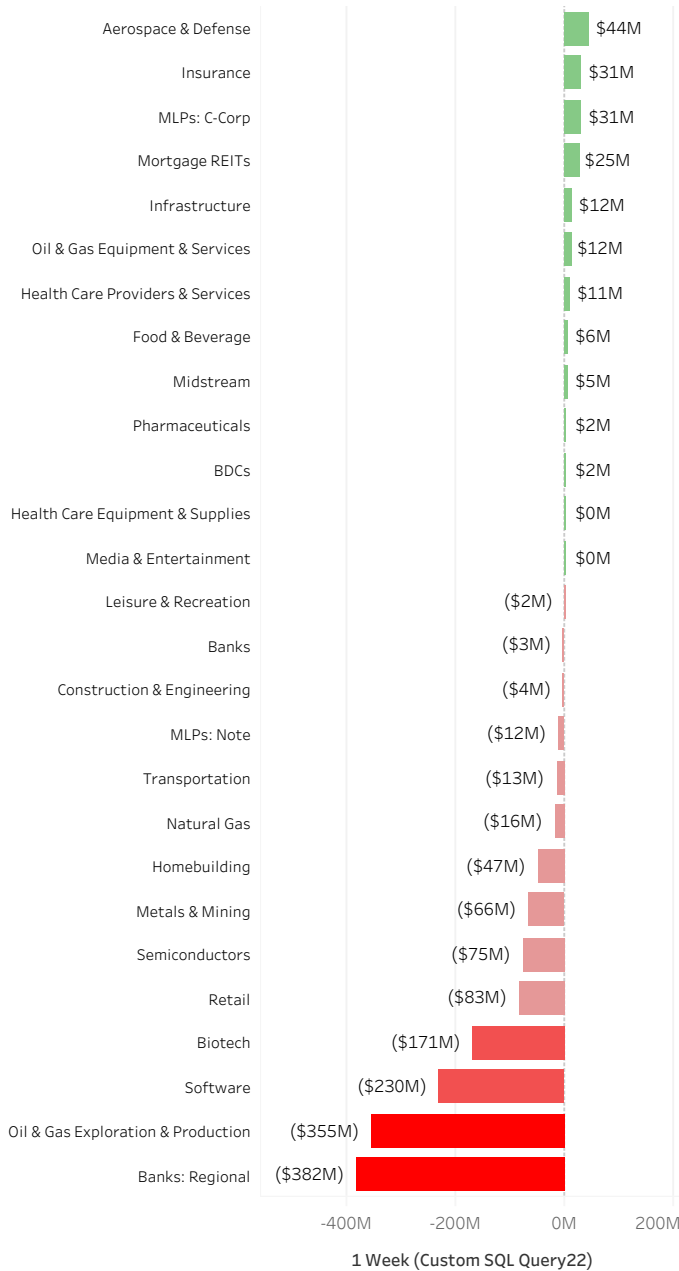
Ticker	Fund	1 Day Performance
PSCC	Invesco S&P SmallCap Consumer Staples ETF	-0.66%
AIRR	First Trust RBA American Industrial Renaissance ETF	-0.09%
XTN	SPDR S&P Transportation ETF	-0.03%
INDS	Pacer Industrial Real Estate ETF	0.08%
XHE	SPDR S&P Health Care Equipment ETF	0.23%
XAR	SPDR S&P Aerospace & Defense ETF	0.27%
IYT	iShares US Transportation ETF	0.36%
IHI	iShares U.S. Medical Devices ETF	0.37%
ITA	iShares U.S. Aerospace & Defense ETF	0.38%
PNQI	Invesco NASDAQ Internet ETF	0.43%

### Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
XHS	SPDR S&P Health Care Services ETF	43.40
XSW	SPDR S&P Software & Services ETF	47.38
XLY	Consumer Discretionary Select Sector SPDR Fund	47.96
PTH	Invesco DWA Healthcare Momentum ETF	48.11
FDN	First Trust Dow Jones Internet Index Fund	48.28
PNQI	Invesco NASDAQ Internet ETF	49.24
XBI	SPDR S&P BIOTECH ETF	49.62
PSJ	Invesco Dynamic Software ETF	49.75
FDIS	Fidelity MSCI Consumer Discretionary Index ETF	50.14
VCR	Vanguard Consumer Discretionary ETF	50.17

\* 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
<b>Communication Services</b>	7	\$12B	(\$168M)	(\$352M)	(\$223M)	(\$1,450M)
<b>Consumer Discretionary</b>	12	\$21B	(\$162M)	(\$237M)	(\$765M)	(\$5,532M)
<b>Consumer Staples</b>	10	\$29B	\$237M	\$866M	\$1,740M	\$8,289M
<b>Energy</b>	33	\$85B	(\$1,204M)	\$1,372M	(\$1,153M)	\$2,849M
<b>Financials</b>	26	\$62B	(\$40M)	\$85M	(\$2,095M)	(\$9,867M)
<b>Health Care</b>	23	\$95B	(\$4M)	\$1,588M	\$5,370M	\$12,960M
<b>Industrial</b>	13	\$30B	(\$157M)	\$444M	(\$676M)	(\$2,725M)
<b>Materials</b>	9	\$13B	(\$114M)	(\$1,100M)	(\$2,652M)	(\$1,879M)
<b>Multi-Sector</b>	19	\$13B	(\$73M)	(\$632M)	(\$2,024M)	(\$5,968M)
<b>Real Estate</b>	25	\$61B	\$92M	(\$404M)	(\$2,734M)	(\$3,003M)
<b>Technology</b>	23	\$117B	\$0M	\$1,285M	\$1,973M	\$1,430M
<b>Utilities</b>	9	\$25B	(\$142M)	(\$374M)	\$1,483M	\$5,142M

## U.S. Sector & Industry Flow Leaders

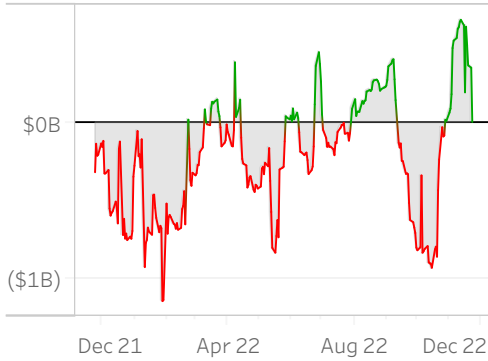
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
<b>XLK</b>	Technology Select Sector SPDR Fund	\$317M	\$95M	\$1,098M	\$2,418M	\$40,639M
<b>XLF</b>	Financial Select Sector SPDR Fund	\$188M	(\$254M)	(\$986M)	(\$5,404M)	\$33,144M
<b>XLP</b>	Consumer Staples Select Sector SPDR Fund	\$177M	\$765M	\$838M	\$4,806M	\$16,932M
<b>XLV</b>	Health Care Select Sector SPDR Fund	\$119M	\$393M	\$2,498M	\$7,995M	\$41,106M
<b>IBB</b>	iShares Biotechnology ETF	\$81M	\$240M	\$291M	\$405M	\$8,839M
<b>VFH</b>	Vanguard Financials ETF	\$71M	(\$43M)	(\$397M)	(\$1,021M)	\$9,210M
<b>RWR</b>	SPDR Dow Jones REIT ETF	\$60M	(\$42M)	(\$132M)	(\$24M)	\$1,538M
<b>VAW</b>	Vanguard Materials ETF	\$44M	(\$66M)	(\$377M)	(\$674M)	\$2,950M
<b>ITB</b>	iShares U.S. Home Construction ETF	\$36M	(\$133M)	(\$188M)	(\$846M)	\$1,210M
<b>IAI</b>	iShares U.S. Broker-Dealers & Securities Excha..	\$30M	\$272M	\$319M	(\$62M)	\$823M

## U.S. Sector & Industry Flow Laggards

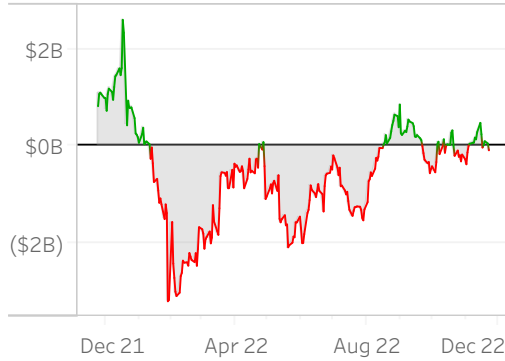
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
<b>XLE</b>	Energy Select Sector SPDR Fund	(\$884M)	\$798M	(\$230M)	\$336M	\$43,511M
<b>KRE</b>	SPDR S&P Regional Banking ETF	(\$383M)	(\$221M)	(\$665M)	(\$1,266M)	\$3,145M
<b>XOP</b>	SPDR S&P Oil & Gas Exploration & Production E..	(\$342M)	(\$334M)	(\$371M)	(\$410M)	\$4,950M
<b>XBI</b>	SPDR S&P BIOTECH ETF	(\$244M)	\$747M	\$1,218M	\$3,416M	\$7,877M
<b>IGV</b>	iShares Expanded Tech-Software Sector ETF	(\$225M)	\$673M	\$491M	\$386M	\$4,450M
<b>XLI</b>	Industrial Select Sector SPDR Fund	(\$187M)	\$157M	(\$340M)	(\$2,661M)	\$14,032M
<b>XLC</b>	Communication Services Select Sector SPDR Fu..	(\$154M)	(\$399M)	(\$120M)	(\$1,131M)	\$8,320M
<b>XLU</b>	Utilities Select Sector SPDR Fund	(\$100M)	(\$238M)	\$1,061M	\$3,387M	\$15,839M
<b>XRT</b>	SPDR S&P Retail ETF	(\$83M)	\$242M	\$24M	(\$488M)	\$520M
<b>XHB</b>	SPDR S&P Homebuilders ETF	(\$83M)	(\$6M)	(\$117M)	(\$583M)	\$966M

\* 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



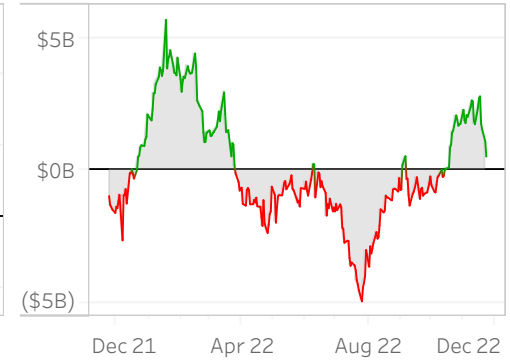
Consumer Discretionary



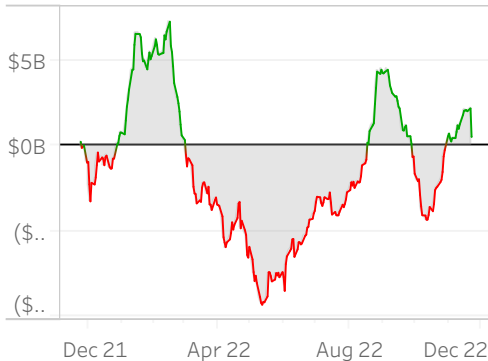
Consumer Staples



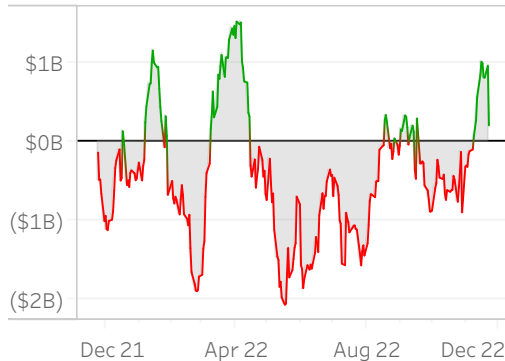
Energy



Financials



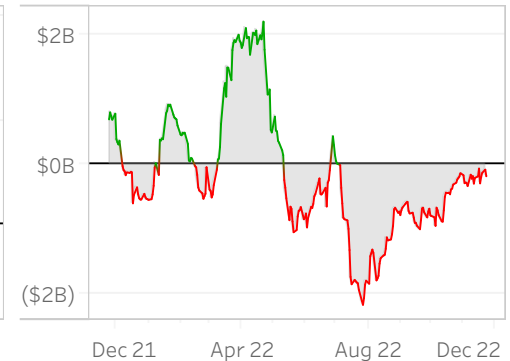
Industrial



Health Care



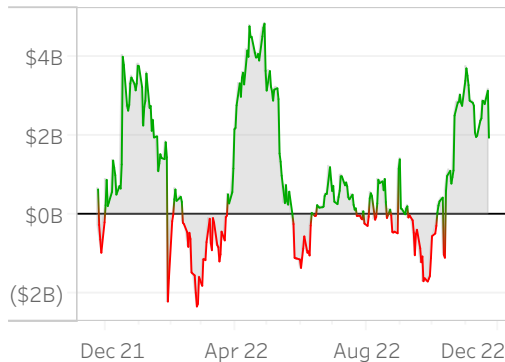
Materials



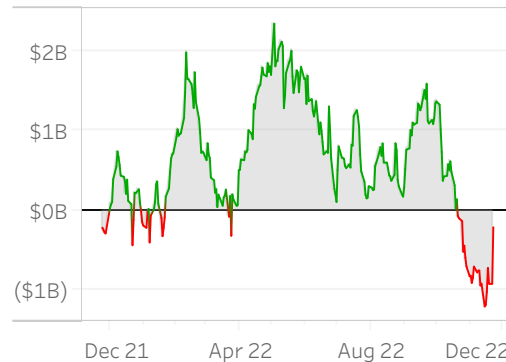
Real Estate



Technology



Utilities

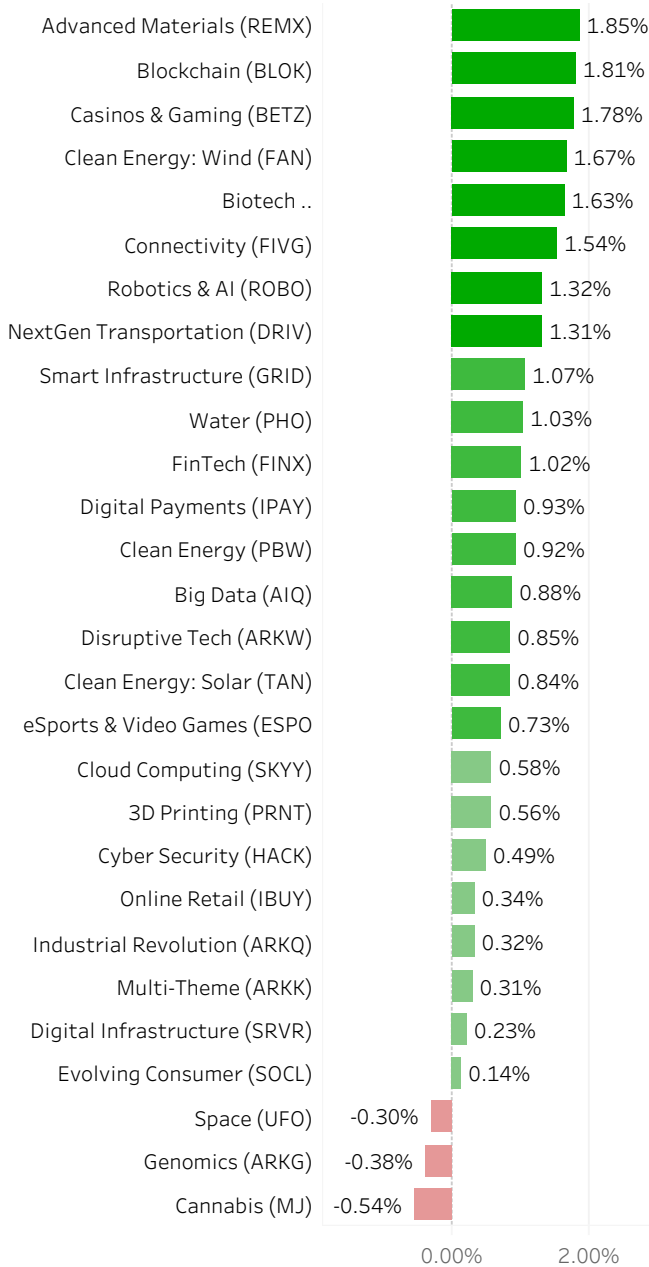


Multi-Sector

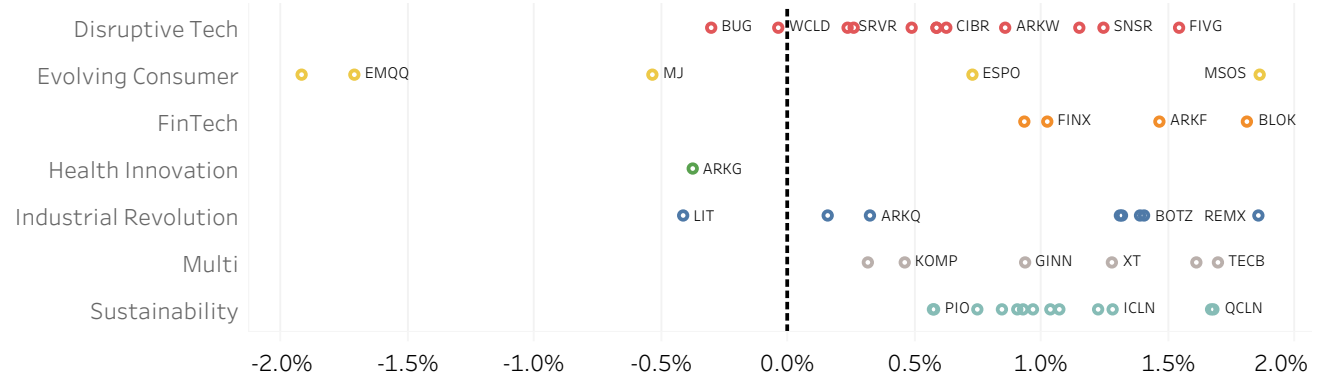


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## Global Thematic Segment 1-Day Performance



## Global Thematic 1-Day Performance Landscape



## Global Thematic 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
MJUS	ETFMG U.S. Alternative Harvest ETF	3.09%
MSOS	AdvisorShares Pure US Cannabis ETF	1.86%
REMX	VanEck Rare Earth/Strategic Metals ETF	1.85%
BLOK	Amplify Transformational Data Sharing ETF	1.81%
BETZ	Roundhill Sports Betting & iGaming ETF	1.78%
TECB	iShares U.S. Tech Breakthrough Multisector ETF	1.69%
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	1.68%
FAN	First Trust Global Wind Energy ETF	1.67%
QTUM	Defiance Quantum ETF	1.64%
SBIO	ALPS Medical Breakthroughs ETF	1.63%

## Thematic Most Overbought

Ticker	Fund	Value
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure ..	71.03
CGW	Invesco S&P Global Water Index ETF	65.65
EBLU	Ecofin Global Water ESG Fund	64.89
LEGR	First Trust Indxx Innovative Transaction & Process ETF	64.84
SNSR	Global X Internet of Things ETF	64.55
KLDW	Knowledge Leaders Developed World ETF	64.44
PIO	Invesco Global Water ETF	64.28
CTEC	Global X CleanTech ETF	63.80
NXTG	First Trust Indxx NextG ETF	63.14
PHO	Invesco Water Resources ETF	63.13

## Global Thematic 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
KWEB	KraneShares CSI China Internet ETF	-1.92%
KGRN	KraneShares MSCI China Clean Technology Index ETF	-1.73%
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce E..	-1.71%
MJ	ETFMG Alternative Harvest ETFMG Alternative Harvest	-0.54%
HERO	Global X Video Games & Esports ETF	-0.44%
LIT	Global X Lithium & Battery Tech ETF	-0.42%
ARKG	ARK Genomic Revolution ETF	-0.38%
IDNA	iShares Genomics Immunology and Healthcare ETF	-0.33%
BUG	Global X Cybersecurity ETF	-0.31%
UFO	Procore Space ETF	-0.30%

## Thematic Most Oversold

Ticker	Fund	Value
BLOK	Amplify Transformational Data Sharing ETF	39.19
WCLD	WisdomTree Cloud Computing Fund	43.03
LIT	Global X Lithium & Battery Tech ETF	43.17
ARKW	ARK Next Generation Internet ETF	43.18
KGRN	KraneShares MSCI China Clean Technology Index ETF	43.56
ARKG	ARK Genomic Revolution ETF	43.84
FINX	Global X FinTech ETF	44.05
ARKK	ARK Innovation ETF	44.16
ARKQ	ARK Autonomous Technology & Robotics ETF	44.45
BUG	Global X Cybersecurity ETF	45.08

\* 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	Flow
TAN	Invesco Solar ETF	\$150M
ICLN	iShares Global Clean Energy ETF	\$33M
KWEB	KraneShares CSI China Internet ETF	\$28M
ARKG	ARK Genomic Revolution ETF	\$16M
SBIO	ALPS Medical Breakthroughs ETF	\$7M
MSOS	AdvisorShares Pure US Cannabis ETF	\$6M
TARK	AXS 2X Innovation ETF	\$6M
KOMP	SPDR S&P Kensho New Economies Composite ETF	\$4M
ARKF	ARK Fintech Innovation ETF	\$3M
CNRG	SPDR S&P Kensho Clean Power ETF	\$3M

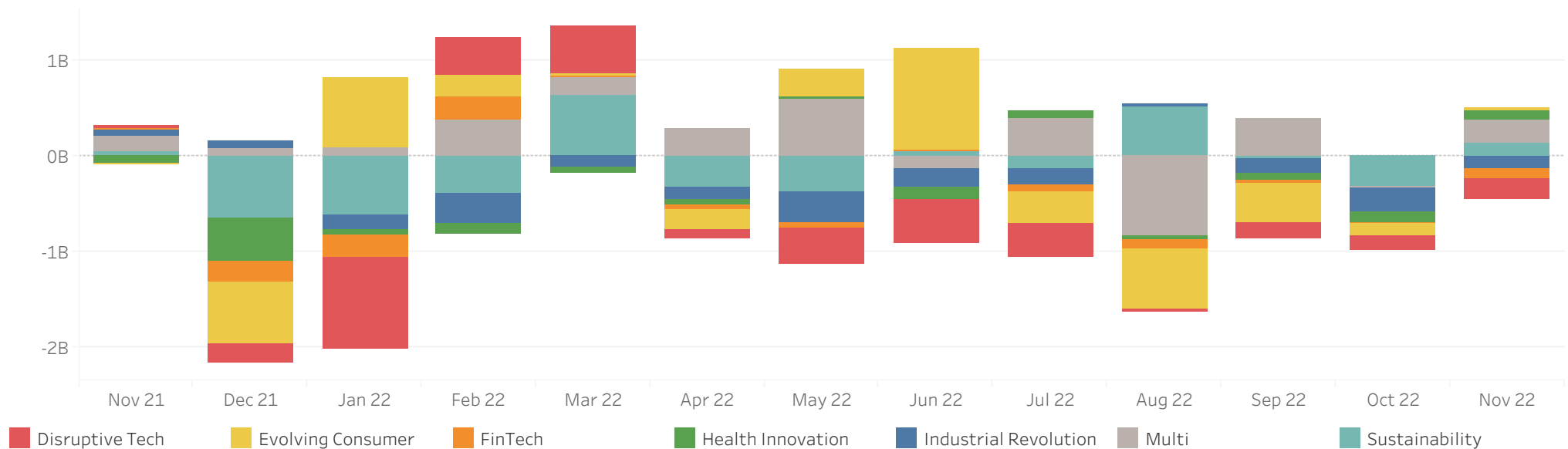
### Thematic 1 Week Flow Laggards

Ticker	Fund	Flow
ARKK	ARK Innovation ETF	(\$154M)
SKYY	First Trust Cloud Computing ETF	(\$34M)
BOTZ	Global X Robotics & Artificial Intelligence ETF	(\$22M)
WCLD	WisdomTree Cloud Computing Fund	(\$21M)
CIBR	First Trust NASDAQ Cybersecurity ETF	(\$14M)
FINX	Global X FinTech ETF	(\$14M)
SRVR	Pacer Data & Infrastructure Real Estate ETF	(\$13M)
BLCN	Siren ETF Trust Siren Nasdaq NexGen Economy ETF	(\$10M)
MJUS	ETFMG U.S. Alternative Harvest ETF	(\$10M)
REMX	VanEck Rare Earth/Strategic Metals ETF	(\$9M)

### Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	35	\$16B	(\$78M)	(\$560M)	(\$1,417M)	(\$2,063M)
Evolving Consumer	46	\$9B	\$8M	(\$463M)	(\$635M)	(\$12M)
FinTech	23	\$2B	(\$26M)	(\$171M)	(\$322M)	(\$614M)
Health Innovation	19	\$3B	(\$1M)	(\$141M)	(\$257M)	(\$980M)
Industrial Revolution	32	\$11B	(\$45M)	(\$558M)	(\$898M)	(\$1,803M)
Multi	41	\$14B	(\$229M)	\$786M	\$152M	\$1,771M
Sustainability	40	\$19B	\$124M	(\$144M)	\$267M	(\$1,508M)
<b>Grand Total</b>	<b>236</b>	<b>\$74B</b>	<b>(\$246M)</b>	<b>(\$1,250M)</b>	<b>(\$3,111M)</b>	<b>(\$5,208M)</b>

### Thematic Monthly Flows

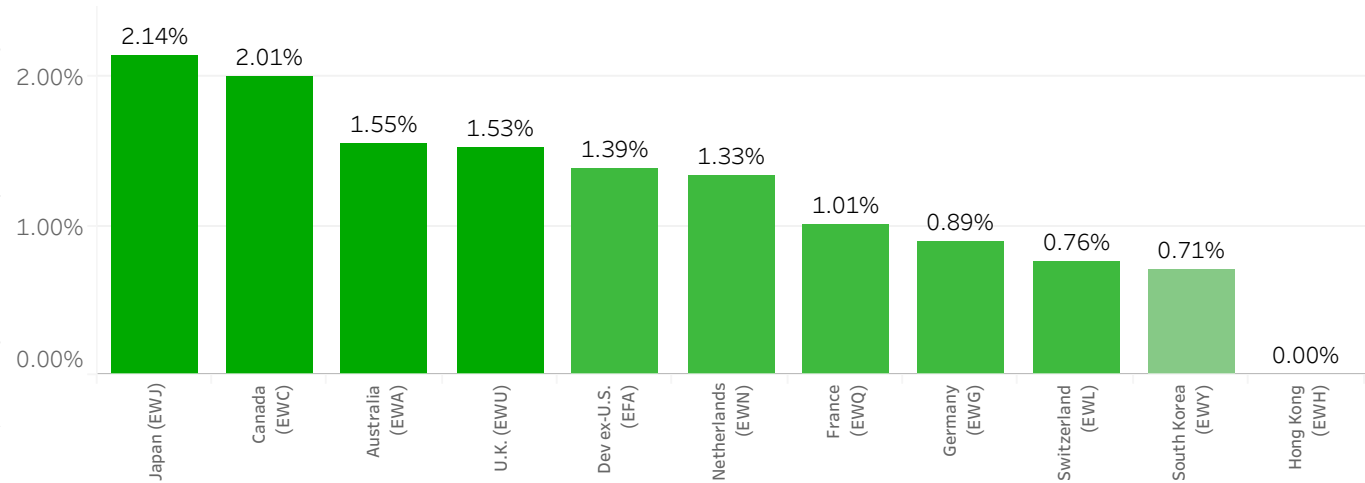


\* ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day

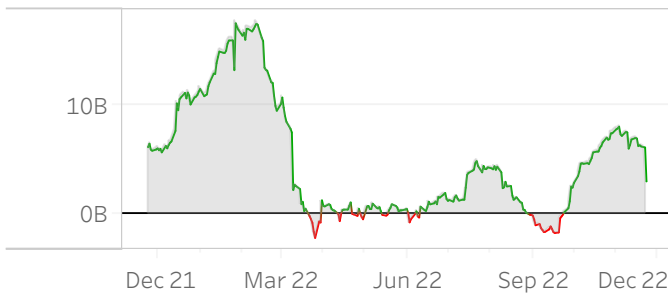
Developed ex-U.S. (EFA)



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



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



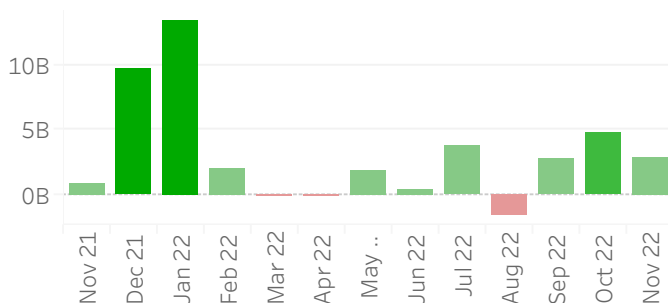
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
NORW	Global X MSCI Norway ETF	3.31%
IMOM	Alpha Architect International Quantitative Momentum ETF	2.98%
IVAL	Alpha Architect International Quantitative Value ETF	2.60%
CIL	VictoryShares International Volatility Wtd ETF	2.42%
ISDX	Invesco RAFI Strategic Developed ex-US ETF	2.29%
EWP	iShares MSCI Spain ETF	2.26%
EWJV	iShares MSCI Japan Value ETF	2.24%
FDT	First Trust Developed Markets ex-US AlphaDEX Fund	2.17%
FYLD	Cambria Foreign Shareholder Yield ETF	2.17%
EWJ	iShares MSCI Japan ETF	2.14%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
DXJ	WisdomTree Japan Hedged Equity Fund	76.19
LVHI	Franklin International Low Volatility High Dividend Index ..	75.02
HDEF	Xtrackers MSCI EAFE High Dividend Yield Equity ETF	73.42
DBEU	Xtrackers MSCI Europe Hedged Equity ETF	73.41
DBEF	Xtrackers MSCI EAFE Hedged Equity ETF	73.27
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	73.23
GSID	Goldman Sachs MarketBeta International Equity ETF	72.95
HEZU	iShares Currency Hedged MSCI Eurozone ETF	72.62
HEFA	iShares Currency Hedged MSCI EAFE ETF	72.60
HEDJ	WisdomTree Europe Hedged Equity Fund	72.39

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
AIA	iShares Asia 50 ETF	-0.20%
EWH	iShares MSCI Hong Kong ETF	0.00%
EWS	iShares MSCI Singapore ETF	0.21%
AAXJ	iShares MSCI All Country Asia ex Japan ETF	0.24%
ENZL	iShares MSCI New Zealand ETF	0.37%
IHDG	WisdomTree International Hedged Quality Dividend Grow..	0.40%
FLKR	Franklin FTSE South Korea ETF	0.44%
EIS	iShares MSCI Israel ETF	0.49%
ISRA	VanEck Israel ETF	0.64%
FLSW	Franklin FTSE Switzerland ETF	0.66%

Developed ex-U.S. Most Oversold

Ticker	Fund	Value
PTIN	Pacer Trendpilot International ETF	49.89
EIS	iShares MSCI Israel ETF	50.28
ISRA	VanEck Israel ETF	52.17
FLKR	Franklin FTSE South Korea ETF	55.96
EWY	iShares MSCI South Korea ETF	56.80
NORW	Global X MSCI Norway ETF	56.89
AAXJ	iShares MSCI All Country Asia ex Japan ETF	58.49
AIA	iShares Asia 50 ETF	59.45
EWH	iShares MSCI Hong Kong ETF	59.49
EWD	iShares MSCI Sweden ETF	61.33

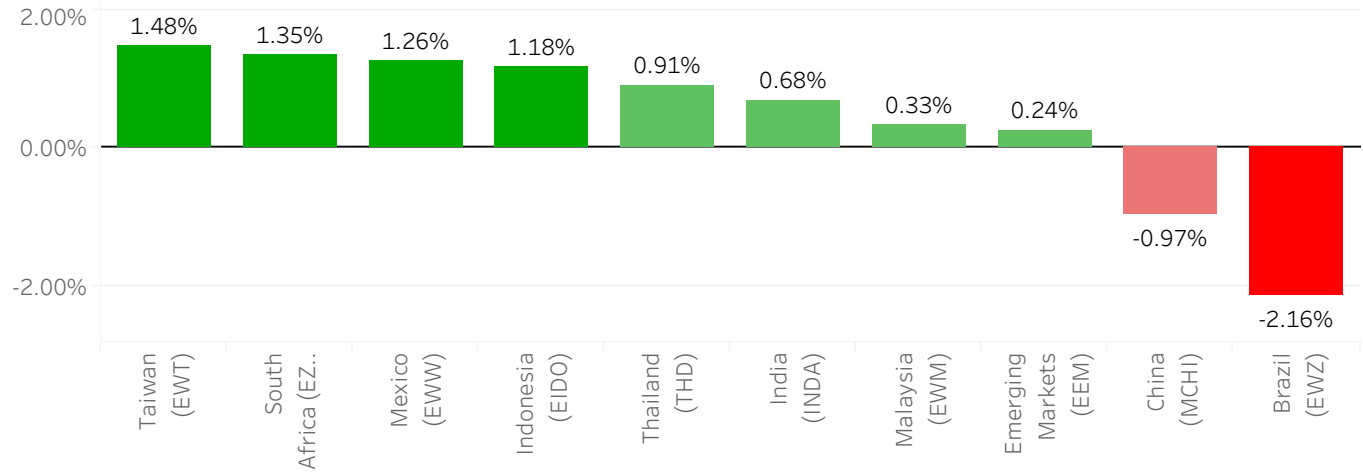
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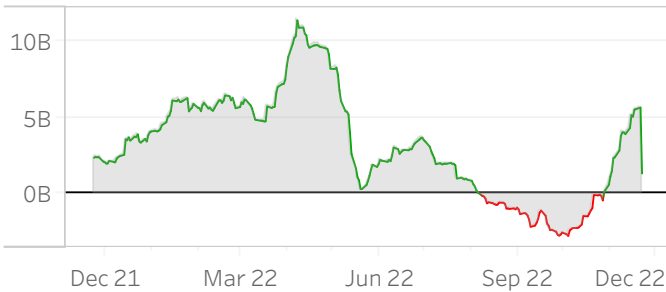
Emerging (EEM)



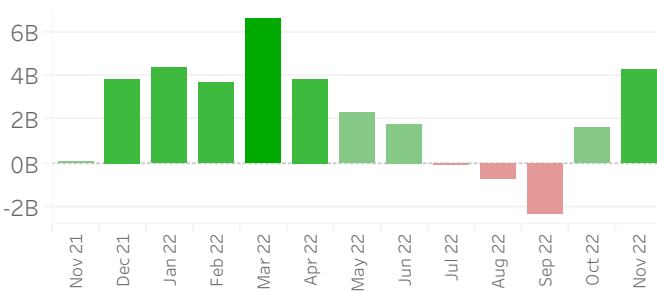
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
TUR	iShares MSCI Turkey ETF	5.56%
EPU	iShares MSCI Peru ETF	3.42%
EPOL	iShares MSCI Poland ETF	2.53%
EWT	iShares MSCI Taiwan ETF	1.48%
EZA	iShares MSCI South Africa ETF	1.35%
FEM	First Trust Emerging Markets AlphaDEX Fund	1.34%
EWW	iShares MSCI Mexico ETF	1.26%
EYLD	Cambria Emerging Shareholder Yield ETF	1.21%
EIDO	iShares MSCI Indonesia ETF	1.18%
EPHE	iShares MSCI Philippines ETF	0.99%

Emerging Most Overbought

Ticker	Fund	Value
TUR	iShares MSCI Turkey ETF	73.68
EWW	iShares MSCI Mexico ETF	70.55
EPOL	iShares MSCI Poland ETF	69.55
EWT	iShares MSCI Taiwan ETF	67.71
EPHE	iShares MSCI Philippines ETF	66.35
EZA	iShares MSCI South Africa ETF	65.91
EYLD	Cambria Emerging Shareholder Yield ETF	63.94
DGS	WisdomTree Emerging Markets SmallCap Dividend F..	63.25
EPU	iShares MSCI Peru ETF	63.04
FEM	First Trust Emerging Markets AlphaDEX Fund	61.16

Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
EWZS	iShares MSCI Brazil Small-Cap ETF	-3.39%
ECNS	iShares MSCI China Small-Cap ETF	-2.68%
FLBR	Franklin FTSE Brazil ETF	-2.23%
EWZ	iShares MSCI Brazil ETF	-2.16%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	-1.64%
PGJ	Invesco Golden Dragon China ETF	-1.45%
ECH	iShares MSCI Chile ETF	-1.16%
FXI	iShares China Large-Cap ETF	-0.97%
MCHI	iShares MSCI China ETF	-0.97%
FNI	First Trust Chindia ETF	-0.88%

Emerging Most Oversold

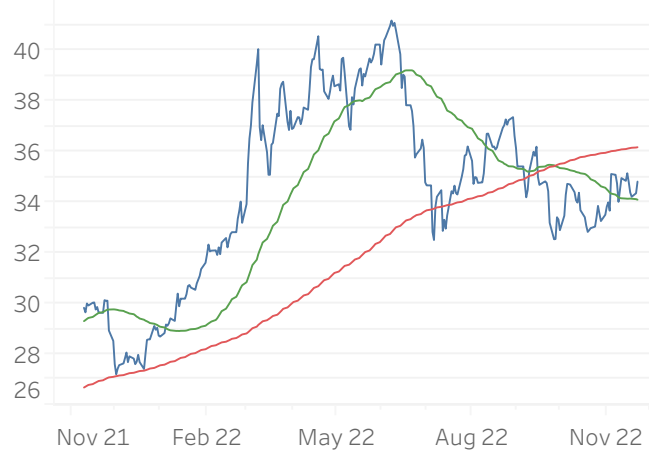
Ticker	Fund	Value
QAT	iShares MSCI Qatar ETF	34.77
KSA	iShares MSCI Saudi Arabia ETF	36.79
VNM	VanEck Vietnam ETF	39.65
EWZS	iShares MSCI Brazil Small-Cap ETF	39.86
FLBR	Franklin FTSE Brazil ETF	40.98
EWZ	iShares MSCI Brazil ETF	41.38
ILF	iShares Latin America 40 ETF	44.89
FLLA	Franklin FTSE Latin America ETF	46.40
SMIN	iShares MSCI India Small Cap ETF	47.34
EIDO	iShares MSCI Indonesia ETF	47.77

\* 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	0.52%	4.15%	-13.02%
SHY	1-3 Year Treasury Bonds	0.07%	0.38%	-4.36%
IEF	7-10 Year Treasury Bonds	0.57%	3.96%	-14.75%
TLT	20+ Year Treasury Bonds	1.42%	9.18%	-30.25%
TIP	TIPS Bonds	0.40%	1.57%	-12.19%
FLOT	Floating Rate Bonds	0.04%	0.32%	0.44%
LQD	Investment Grade Corporate	0.89%	7.47%	-17.54%
HYG	High Yield Corporate	0.73%	3.50%	-10.50%
BKLN	Senior Loan	0.19%	1.61%	-2.49%
PFF	Preferred & Income Securities	0.51%	6.22%	-16.14%
MUB	Municipal Bonds	0.24%	3.24%	-7.98%
MBB	MBS	0.44%	5.07%	-11.79%
EMB	Dollar Denominated EM Bonds	1.04%	8.89%	-19.39%
LEMB	Local Currency EM Bond	0.77%	5.25%	-13.31%

### Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	1.34%	5.58%	21.36%
DBE	Energy	1.59%	0.75%	41.86%
USO	WTI Crude Oil	1.38%	-0.84%	28.73%
BNO	Brent Crude Oil	1.05%	-2.82%	38.50%
UNG	Natural Gas	4.86%	28.23%	82.95%
UGA	Gasoline	3.30%	1.29%	44.24%
DBP	Precious Metals	0.31%	5.79%	-7.38%
GLD	Gold	0.12%	5.14%	-5.20%
SLV	Silver	1.20%	9.40%	-9.67%
PPLT	abrdrn Physical Platin..	0.97%	6.70%	2.70%
PALL	abrdrn Physical Palla..	-0.42%	-7.66%	-2.01%
DBB	Base Metals	0.68%	5.52%	-13.21%
CPER	Copper	1.25%	4.24%	-19.63%
LD	Lead	-5.18%	2.60%	-7.93%
JJN	Nickel	4.07%	18.30%	26.85%
JJU	Aluminum	2.22%	9.37%	-13.40%
JJT	Tin	3.53%	18.75%	-41.09%
DBA	Agriculture	0.15%	-0.45%	1.06%
CORN	Corn	-0.30%	-3.70%	21.91%
SOYB	Soybeans	0.04%	2.14%	19.47%
WEAT	Wheat	-0.73%	-5.88%	10.55%
CANE	Sugar	-0.21%	5.57%	3.04%
BAL	Cotton	3.21%	5.64%	-9.18%
NIB	Cocoa	-0.29%	7.39%	-10.24%
JO	Coffee	2.77%	-10.89%	-23.10%

### Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	-0.62%	-4.09%	12.68%
UDN	Short Dollar	0.73%	4.65%	-11.07%
FXE	Euro	0.58%	4.45%	-10.15%
FXB	British Pound Sterling	0.47%	5.18%	-11.95%
FXF	Swiss Franc	0.71%	4.75%	-5.08%
FXJ	Japanese Yen	0.58%	4.38%	-18.91%
FXC	Canadian Dollar	0.59%	2.10%	-5.42%
FXA	Australian Dollar	0.69%	4.21%	-8.69%

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