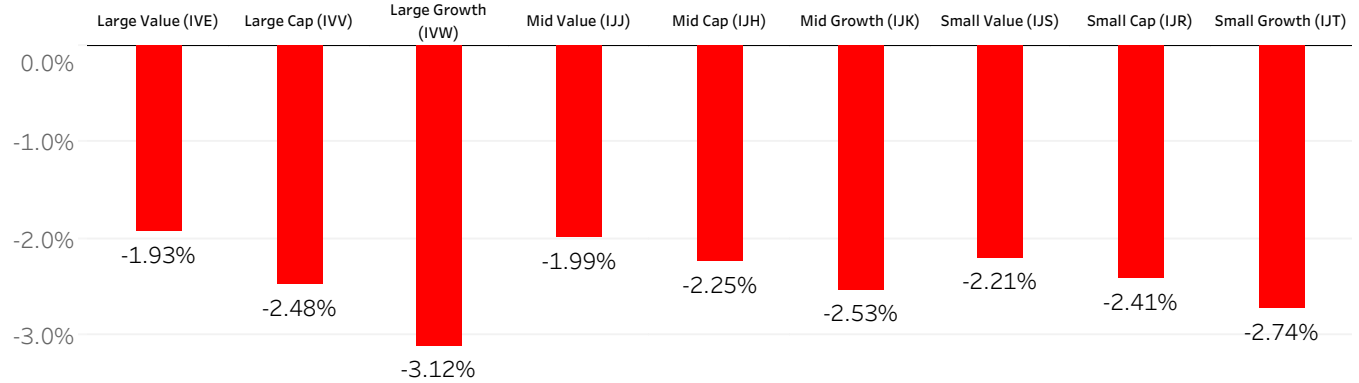


Large Cap Blend (S&P 500) IVV



U.S. Size & Style 1-Day Performance



Mid Cap Blend (S&P 400) IJH



Size & Style 1-Day Performance Leaders

Ticker	Fund	Performance
SPC	CrossingBridge Pre-Merger SPAC ETF	0.10%
PTLC	Pacer Trendpilot US Large Cap ETF	0.04%
ONOF	Global X Adaptive U.S. Risk Management ETF	-0.11%
RPHS	Regents Park Hedged Market Strategy ETF	-0.71%
QMOM	Momentumshares US Quantitative Momentum ETF	-0.90%
ALTL	Pacer Lunt Large Cap Alternator ETF	-1.31%
MTUM	iShares MSCI USA Momentum Factor ETF	-1.33%
DIVZ	TrueShares Low Volatility Equity Income ETF	-1.36%
QVAL	Alpha Architect US Quantitative Value ETF	-1.37%
AUSF	Global X Adaptive U.S. Factor ETF	-1.38%

Size & Style Most Overbought

Ticker	Fund	Value
SPC	CrossingBridge Pre-Merger SPAC ETF	71.69
PTLC	Pacer Trendpilot US Large Cap ETF	69.38
ALTL	Pacer Lunt Large Cap Alternator ETF	53.77
XRLV	Invesco S&P 500 ex-Rate Sensitive Low Volatility ETF	53.68
DURA	VanEck Durable High Dividend ETF	53.68
SPLV	Invesco S&P 500 Low Volatility ETF	53.47
LVHD	Franklin U.S. Low Volatility High Dividend Index ETF	52.89
CGDV	Capital Group Dividend Value ETF	51.13
HUSV	First Trust Horizon Managed Volatility Domestic ETF	50.71
TMFS	Motley Fool Small-Cap Growth ETF	50.39

Small Cap Blend (S&P 600) IJR



Size & Style 1-Day Performance Laggards

Ticker	Fund	Performance
LCG	Sterling Capital Focus Equity ETF	-4.21%
IPO	Renaissance IPO ETF	-4.03%
BUZZ	VanEck Social Sentiment ETF	-3.86%
JSML	Janus Henderson Small Cap Growth Alpha ETF	-3.44%
NZUS	SPDR MSCI USA Climate Paris Aligned ETF	-3.43%
QQQ	Invesco QQQ Trust	-3.36%
ACSI	American Customer Satisfaction ETF	-3.34%
MGK	Vanguard Mega Cap Growth ETF	-3.31%
QQQJ	Invesco NASDAQ Next Gen 100 ETF	-3.29%
NUMG	Nuveen ESG Mid-Cap Growth ETF	-3.27%

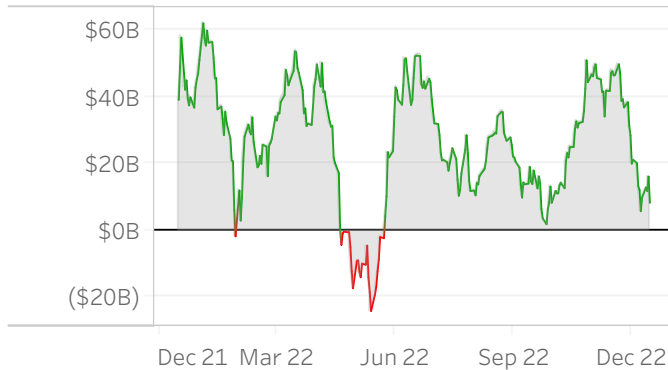
Size & Style Most Oversold

Ticker	Fund	Value
JMEE	JPMorgan Market Expansion Enhanced Equity ETF	32.10
FFTY	Innovator IBD 50 ETF	32.30
LSAT	Leadershares Alphafactor Tactical Focused ETF	32.69
CSF	VictoryShares US Discovery Enhanced Volatility Wt..	33.34
XSVM	Invesco S&P SmallCap Value with Momentum ETF	33.59
SVAL	iShares US Small Cap Value Factor ETF	34.10
NUMV	Nuveen ESG Mid-Cap Value ETF	34.45
ACSI	American Customer Satisfaction ETF	34.70
RPHS	Regents Park Hedged Market Strategy ETF	35.05
XSMO	Invesco S&P SmallCap Momentum ETF	35.69

■ 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	21	\$1,253B	\$4.52B	\$35.92B	\$50.77B	\$94.79B
Large Cap, Beta Growth, Beta: Growth	10	\$227B	\$0.99B	\$9.18B	\$15.60B	\$15.33B
Large Cap, Beta Growth, Beta: Value	11	\$232B	\$7.26B	\$6.46B	\$6.67B	\$20.22B
Mid Cap, Beta, Beta	10	\$185B	\$2.49B	\$5.09B	\$6.37B	\$9.68B
Mid Cap, Beta, Beta: Growth	6	\$34B	\$0.41B	\$0.32B	\$1.23B	(\$0.54B)
Mid Cap, Beta, Beta: Value	6	\$44B	\$2.47B	\$3.02B	\$3.02B	\$1.82B
Small Cap, Beta, Beta	13	\$196B	\$3.96B	\$5.91B	\$4.80B	\$2.37B
Small Cap, Beta, Beta: Growth	7	\$32B	\$0.72B	\$1.23B	\$0.90B	\$0.27B
Small Cap, Beta, Beta: Value	7	\$52B	\$1.32B	\$1.48B	(\$0.40B)	(\$4.08B)

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

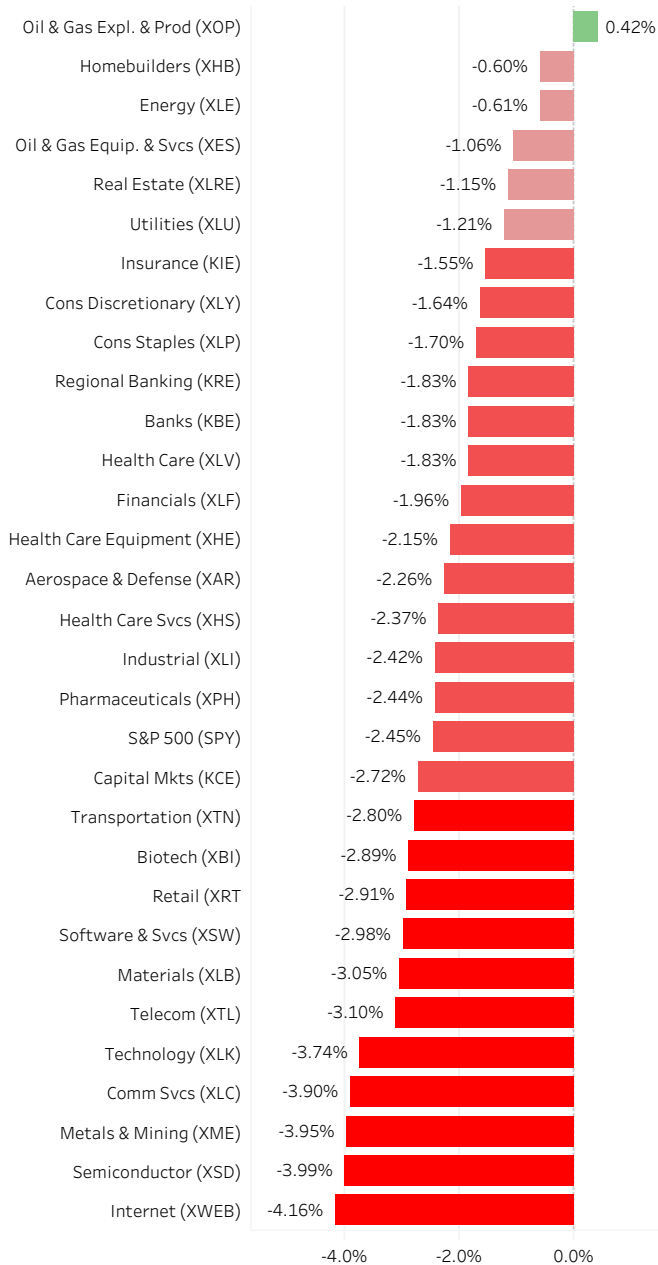
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	\$7.71B	\$21.79B	\$18.47B	\$6.88B	\$385.51B
IVE	iShares S&P 500 Value ETF	\$4.47B	\$4.83B	\$4.52B	\$5.24B	\$29.50B
IUSV	iShares Core S&P US Value ETF	\$2.66B	\$3.02B	\$3.61B	\$3.45B	\$15.40B
IWM	iShares Russell 2000 ETF	\$2.36B	\$4.18B	\$0.66B	(\$1.11B)	\$55.57B
VO	Vanguard Mid-Cap ETF	\$2.35B	\$1.69B	\$1.56B	\$3.53B	\$54.62B
VTI	Vanguard Total Stock Market ETF	\$2.13B	\$6.02B	\$11.80B	\$25.24B	\$274.46B
VTV	Vanguard Value ETF	\$2.09B	(\$2.64B)	(\$1.66B)	\$12.24B	\$103.17B
IJJ	iShares S&P Mid-Cap 400 Value ETF	\$1.67B	\$1.72B	\$1.82B	(\$0.51B)	\$9.12B
VB	Vanguard Small-Cap ETF	\$1.37B	\$0.60B	(\$0.49B)	(\$0.38B)	\$43.79B
VBR	Vanguard Small Cap Value ETF	\$1.17B	\$1.10B	\$0.50B	\$0.37B	\$25.77B

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

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IVV	iShares Core S&P 500 ETF	(\$2.40B)	\$4.38B	\$6.90B	\$25.95B	\$302.59B
QQQ	Invesco QQQ Trust	(\$0.69B)	\$1.52B	\$1.66B	\$5.38B	\$159.25B
VOO	Vanguard S&P 500 ETF	(\$0.42B)	\$3.24B	\$14.51B	\$42.32B	\$275.14B
PKW	Invesco Buyback Achievers ETF	(\$0.23B)	\$0.39B	\$0.27B	\$0.22B	\$1.61B
ESML	iShares ESG Aware MSCI USA Small-Cap ETF	(\$0.13B)	(\$0.12B)	(\$0.07B)	\$0.28B	\$1.37B
VLUE	iShares MSCI USA Value Factor ETF	(\$0.09B)	(\$0.47B)	(\$1.48B)	(\$6.30B)	\$7.97B
IJH	iShares Core S&P Mid-Cap ETF	(\$0.07B)	\$2.35B	\$3.28B	\$3.78B	\$64.80B
USMV	iShares MSCI USA Min Vol Factor ETF	(\$0.04B)	\$1.12B	\$3.35B	\$2.76B	\$30.76B
RDVY	First Trust Rising Dividend Achievers ETF	(\$0.04B)	(\$0.48B)	(\$0.61B)	\$1.69B	\$8.21B
QUAL	iShares MSCI USA Quality Factor ETF	(\$0.04B)	(\$0.66B)	(\$1.87B)	(\$2.22B)	\$18.32B

\* 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)
XLV	Health Care Select Sector SPDR Fund	-3.71%	14.71%	3.77%	5.09%	53.65
XLP	Consumer Staples Select Sector SPDR Fund	-6.63%	13.13%	3.17%	2.05%	50.15
XLI	Industrial Select Sector SPDR Fund	-7.97%	18.93%	3.24%	4.52%	48.21
XLU	Utilities Select Sector SPDR Fund	-8.22%	16.55%	6.07%	0.50%	58.46
XLE	Energy Select Sector SPDR Fund	-9.22%	54.28%	-2.92%	6.35%	42.72
XLB	Materials Select Sector SPDR Fund	-12.35%	17.97%	3.06%	0.31%	46.45
XLF	Financial Select Sector SPDR Fund	-18.01%	12.12%	-0.18%	-0.61%	40.37
SPY	SPDR S&P 500 ETF Trust	-18.44%	9.27%	0.92%	-2.91%	45.19
XLRE	Real Estate Select Sector SPDR Fund	-25.42%	14.42%	4.50%	-7.58%	53.75
XLK	Technology Select Sector SPDR Fund	-26.55%	10.84%	1.17%	-5.17%	46.11
XLY	Consumer Discretionary Select Sector SPDR Fund	-35.11%	3.35%	-3.19%	-11.62%	38.68
XLC	Communication Services Select Sector SPDR Fund	-38.99%	5.84%	-2.33%	-14.33%	40.94

### Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
ITB	iShares U.S. Home Construction ETF	1.06%
PXE	Invesco Dynamic Energy Exploration & Production ..	0.57%
PXI	Invesco DWA Energy Momentum ETF	0.52%
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	0.42%
FTXN	First Trust Nasdaq Oil & Gas ETF	0.18%
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	0.12%
FCG	First Trust Natural Gas ETF	-0.08%
NETL	NETLease Corporate Real Estate ETF	-0.20%
FXN	First Trust Energy AlphaDEX Fund	-0.23%
RYE	Invesco S&P 500 Equal Weight Energy ETF	-0.33%

### Sector & Industry Most Overbought

Ticker	Fund	Technical Indicator
ITB	iShares U.S. Home Construction ETF	64.28
NETL	NETLease Corporate Real Estate ETF	58.59
XLU	Utilities Select Sector SPDR Fund	58.46
FBT	First Trust NYSE Arca Biotechnology Index Fund	57.70
FUTY	Fidelity MSCI Utilities Index ETF	57.44
RYU	Invesco S&P 500 Equal Weight Utilities ETF	57.30
XHB	SPDR S&P Homebuilders ETF	56.36
FXU	First Trust Utilities AlphaDEX Fund	55.52
IDU	iShares U.S. Utilities ETF	55.19
FXH	First Trust Health Care AlphaDEX Fund	55.02

### Sector & Industry 1 Day Performance Laggards

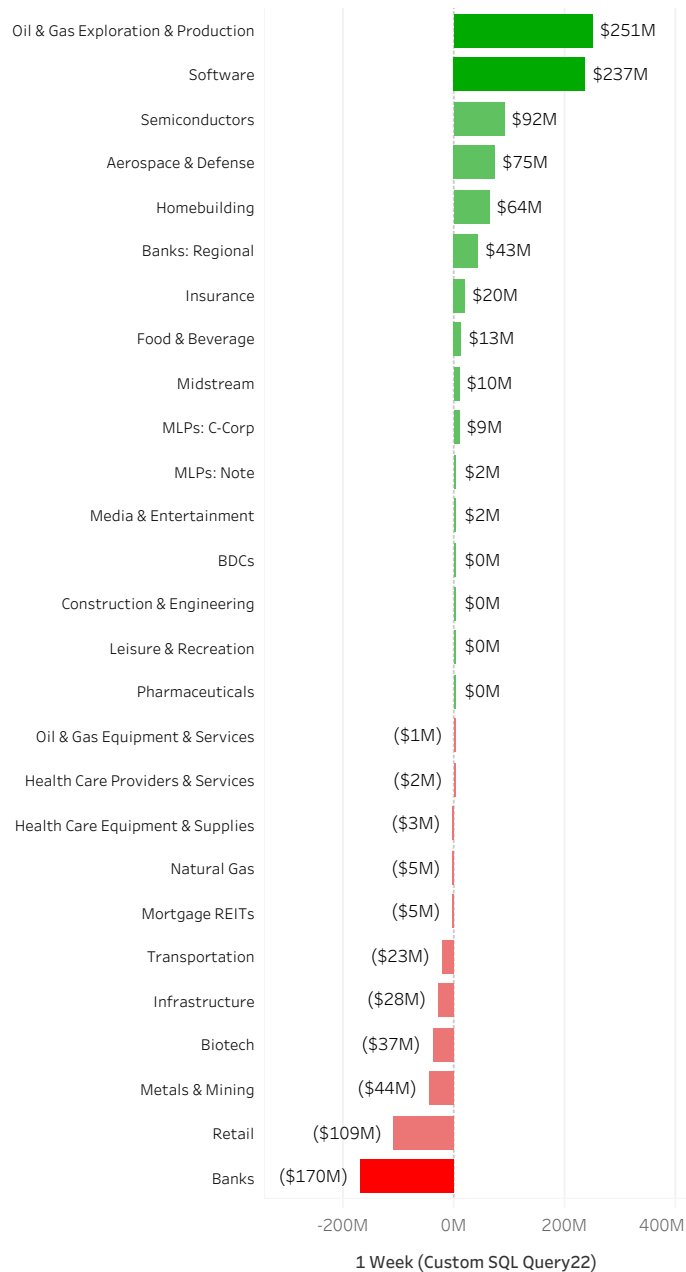
Ticker	Fund	1 Day Performance
FTXL	First Trust Nasdaq Semiconductor ETF	-4.65%
PTF	Invesco DWA Technology Momentum ETF	-4.25%
SOXX	iShares Semiconductor ETF	-4.23%
XNTK	SPDR NYSE Technology ETF	-4.21%
SOXQ	Invesco PHLX Semiconductor ETF	-4.19%
FDN	First Trust Dow Jones Internet Index Fund	-4.08%
PNQI	Invesco NASDAQ Internet ETF	-4.08%
XSD	SPDR S&P Semiconductor ETF	-3.99%
XME	SPDR S&P Metals & Mining ETF	-3.95%
PSI	Invesco Dynamic Semiconductors ETF	-3.91%

### Sector & Industry Most Oversold

Ticker	Fund	Technical Indicator
KBWR	Invesco KBW Regional Banking ETF	28.05
QABA	First Trust NASDAQ ABA Community Bank Index Fund	28.38
KRE	SPDR S&P Regional Banking ETF	29.22
KBE	SPDR S&P Bank ETF	31.40
FTXO	First Trust Nasdaq Bank ETF	32.08
IAT	iShares U.S. Regional Banks ETF	32.63
JPRE	JPMorgan Realty Income ETF	34.47
PSCC	Invesco S&P SmallCap Consumer Staples ETF	34.90
PFI	Invesco DWA Financial Momentum ETF	36.31
KBWB	Invesco KBW Bank ETF	36.46

\* 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	7	\$12B	\$75M	\$129M	(\$27M)	(\$1,727M)
Consumer Discretionary	12	\$21B	\$128M	(\$688M)	(\$1,279M)	(\$8,046M)
Consumer Staples	10	\$31B	\$322M	\$1,224M	\$2,835M	\$8,284M
Energy	33	\$79B	\$196M	\$687M	(\$3,443M)	\$685M
Financials	26	\$60B	\$560M	(\$371M)	(\$1,198M)	(\$11,252M)
Health Care	23	\$99B	(\$77M)	\$1,819M	\$3,695M	\$11,851M
Industrial	13	\$31B	\$447M	\$235M	(\$407M)	(\$2,340M)
Materials	9	\$14B	\$44M	(\$260M)	(\$3,071M)	(\$991M)
Multi-Sector	19	\$14B	\$47M	(\$757M)	(\$2,178M)	(\$7,325M)
Real Estate	25	\$62B	\$415M	(\$57M)	(\$1,850M)	(\$3,007M)
Technology	22	\$120B	\$122M	\$1,860M	\$1,473M	(\$2,660M)
Utilities	9	\$27B	\$106M	(\$688M)	\$1,006M	\$5,366M

## U.S. Sector & Industry Flow Leaders

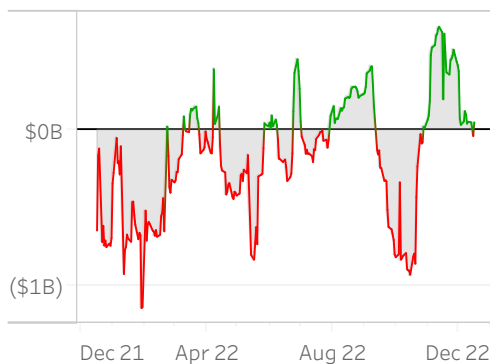
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLF	Financial Select Sector SPDR Fund	\$696M	(\$56M)	(\$489M)	(\$5,651M)	\$32,881M
IYR	iShares U.S. Real Estate ETF	\$486M	\$299M	(\$228M)	(\$1,202M)	\$4,027M
XLI	Industrial Select Sector SPDR Fund	\$393M	(\$321M)	(\$768M)	(\$2,547M)	\$14,208M
XLP	Consumer Staples Select Sector SPDR Fund	\$274M	\$1,103M	\$1,929M	\$4,742M	\$17,979M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	\$269M	\$258M	(\$236M)	(\$361M)	\$4,496M
XLY	Consumer Discretionary Select Sector SPDR Fu..	\$252M	(\$658M)	(\$967M)	(\$4,341M)	\$13,741M
IGV	iShares Expanded Tech-Software Sector ETF	\$236M	\$1,120M	\$405M	\$455M	\$4,697M
XLU	Utilities Select Sector SPDR Fund	\$103M	(\$363M)	\$717M	\$3,693M	\$17,069M
XLB	Materials Select Sector SPDR Fund	\$78M	(\$119M)	(\$1,384M)	(\$1,530M)	\$5,704M
SOXX	iShares Semiconductor ETF	\$76M	(\$131M)	(\$485M)	(\$609M)	\$6,390M

## U.S. Sector & Industry Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
VNQ	Vanguard Real Estate ETF	(\$165M)	(\$424M)	(\$1,521M)	(\$1,775M)	\$36,019M
VGT	Vanguard Information Technology ETF	(\$133M)	(\$342M)	\$278M	\$350M	\$42,780M
KBE	SPDR S&P Bank ETF	(\$122M)	(\$209M)	(\$531M)	(\$966M)	\$1,790M
IYW	iShares U.S. Technology ETF	(\$109M)	\$1,865M	\$1,843M	\$972M	\$8,383M
XRT	SPDR S&P Retail ETF	(\$109M)	\$15M	(\$88M)	(\$214M)	\$282M
XBI	SPDR S&P BIOTECH ETF	(\$92M)	\$117M	\$855M	\$3,283M	\$8,027M
XLV	Health Care Select Sector SPDR Fund	(\$70M)	\$1,152M	\$1,377M	\$8,380M	\$43,178M
IYE	iShares U.S. Energy ETF	(\$46M)	(\$78M)	(\$858M)	(\$1,433M)	\$2,186M
XME	SPDR S&P Metals & Mining ETF	(\$44M)	\$233M	(\$504M)	\$190M	\$2,120M
KBWB	Invesco KBW Bank ETF	(\$40M)	(\$123M)	\$8M	(\$378M)	\$1,885M

\* 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



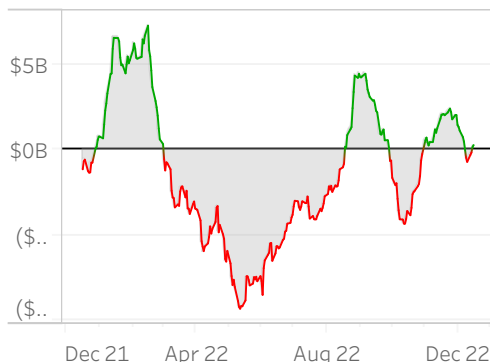
Consumer Staples



Energy



Financials



Industrial



Health Care



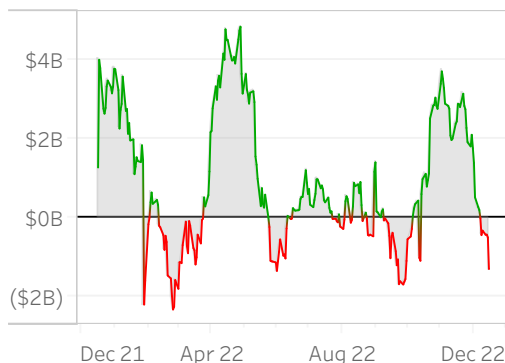
Materials



Real Estate



Technology



Utilities

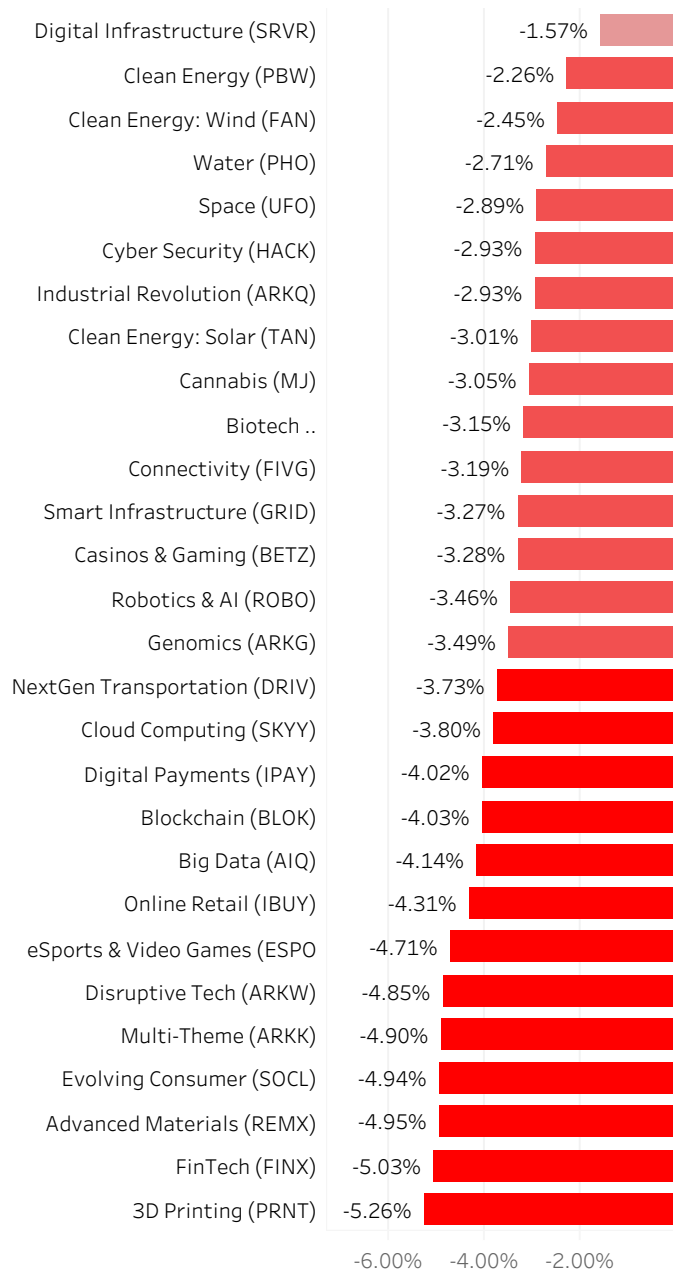


Multi-Sector

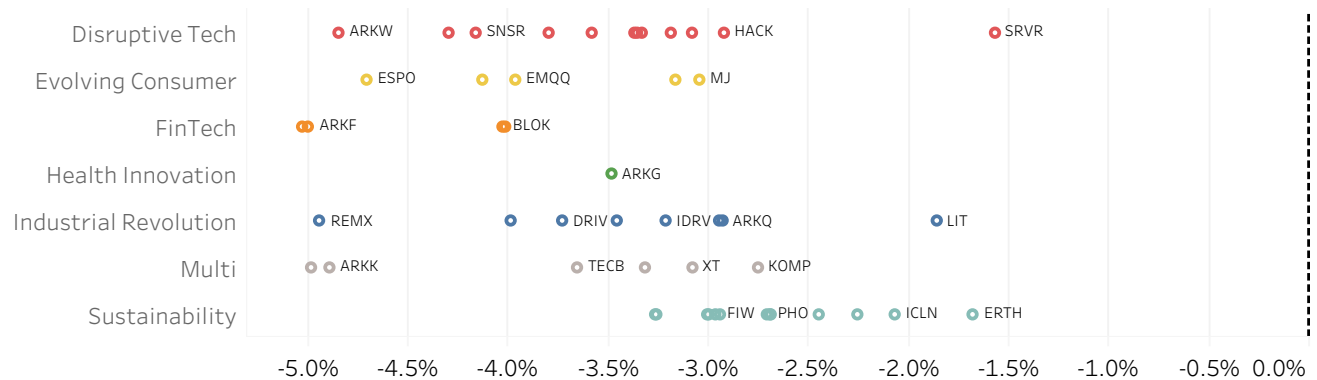


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## Global Thematic Segment 1-Day Performance



## Global Thematic 1-Day Performance Landscape



## Global Thematic 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
KGRN	KraneShares MSCI China Clean Technology Index ETF	0.00%
MJUS	ETFMG U.S. Alternative Harvest ETF	-1.35%
SAMT	Strategas Macro Thematic Opportunities ETF	-1.47%
SRVR	Pacer Data & Infrastructure Real Estate ETF	-1.57%
ERTH	Invesco MSCI Sustainable Future ETF	-1.68%
BATT	Amplify Lithium & Battery Technology ETF	-1.85%
LIT	Global X Lithium & Battery Tech ETF	-1.86%
ICLN	iShares Global Clean Energy ETF	-2.07%
KARS	KraneShares Electric Vehicles & Future Mobility Index ETF	-2.11%
PBW	Invesco WilderHill Clean Energy ETF	-2.26%

## Thematic Most Overbought

Ticker	Fund	Price
KWEB	KraneShares CSI China Internet ETF	60.20
FAN	First Trust Global Wind Energy ETF	56.95
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	56.08
BJK	VanEck Gaming ETF	54.68
CTEC	Global X CleanTech ETF	54.50
ICLN	iShares Global Clean Energy ETF	54.05
SOCL	Global X Social Media ETF	54.02
KGRN	KraneShares MSCI China Clean Technology Index ETF	53.94
VPN	Global X Data Center REITs & Digital Infrastructure ETF	51.88
TAN	Invesco Solar ETF	51.68

## Global Thematic 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
PRNT	3D Printing ETF	-5.26%
YOLO	AdvisorShares Pure Cannabis ETF	-5.12%
FINX	Global X FinTech ETF	-5.03%
ARKF	ARK Fintech Innovation ETF	-5.00%
METV	Roundhill Ball Metaverse ETF	-4.99%
REMX	VanEck Rare Earth/Strategic Metals ETF	-4.95%
SOCL	Global X Social Media ETF	-4.94%
ARKK	ARK Innovation ETF	-4.90%
ONLN	ProShares Online Retail ETF	-4.89%
ARKW	ARK Next Generation Internet ETF	-4.85%

## Thematic Most Oversold

Ticker	Fund	Price
MSOS	AdvisorShares Pure US Cannabis ETF	28.74
YOLO	AdvisorShares Pure Cannabis ETF	29.22
MJUS	ETFMG U.S. Alternative Harvest ETF	30.48
UFO	Procore Space ETF	33.72
MJ	ETFMG Alternative Harvest ETF	34.39
POTX	Global X Cannabis ETF	35.41
BLOK	Amplify Transformational Data Sharing ETF	37.22
LIT	Global X Lithium & Battery Tech ETF	38.07
HAIL	SPDR S&P Kensho Smart Mobility ETF	38.31
REMX	VanEck Rare Earth/Strategic Metals ETF	38.45

\* 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	
ARKK	ARK Innovation ETF	\$171M
BJK	VanEck Gaming ETF	\$21M
BETZ	Roundhill Sports Betting & iGaming ETF	\$15M
REMX	VanEck Rare Earth/Strategic Metals ETF	\$13M
ARKW	ARK Next Generation Internet ETF	\$8M
XT	iShares Exponential Technologies ETF	\$8M
SBIO	ALPS Medical Breakthroughs ETF	\$2M
IBUY	Amplify Online Retail ETF	\$2M
MSGR	Direxion mRNA ETF	\$1M
TMAT	Main Thematic Innovation ETF	\$1M

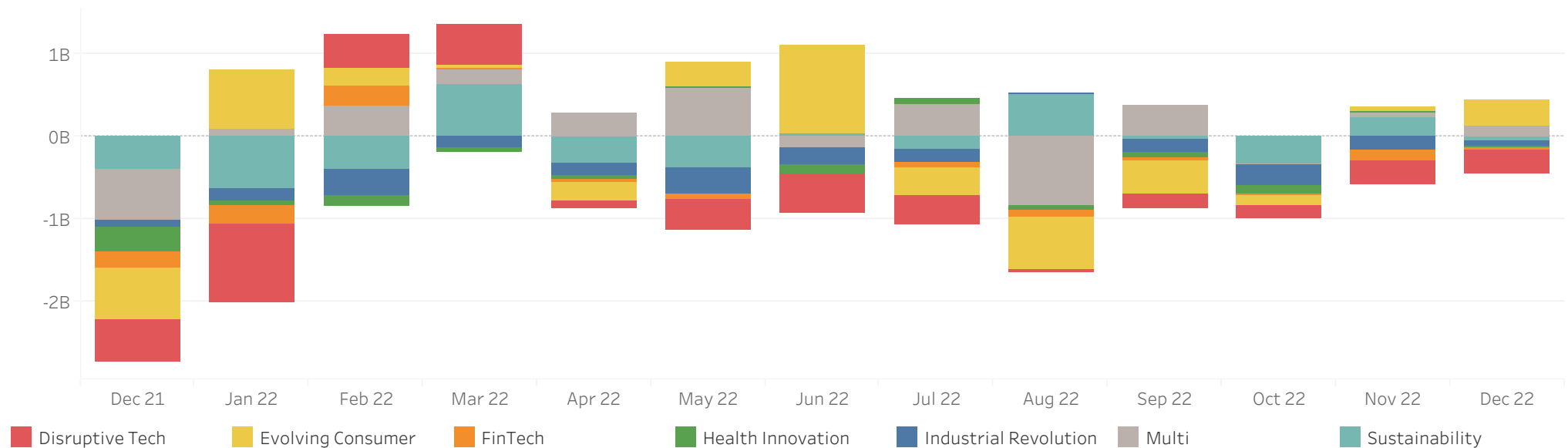
## Thematic 1 Week Flow Laggards

Ticker	Fund	
KWEB	KraneShares CSI China Internet ETF	(\$43M)
TAN	Invesco Solar ETF	(\$38M)
LIT	Global X Lithium & Battery Tech ETF	(\$34M)
SKYY	First Trust Cloud Computing ETF	(\$25M)
CIBR	First Trust NASDAQ Cybersecurity ETF	(\$24M)
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	(\$19M)
SRVR	Pacer Data & Infrastructure Real Estate ETF	(\$17M)
WCLD	WisdomTree Cloud Computing Fund	(\$16M)
PBW	Invesco WilderHill Clean Energy ETF	(\$12M)
HACK	ETFMG Prime Cyber Security ETF	(\$11M)

## Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	33	\$16B	(\$95M)	(\$793M)	(\$1,544M)	(\$2,767M)
Evolving Consumer	43	\$10B	(\$8M)	(\$93M)	(\$623M)	\$364M
FinTech	22	\$2B	\$0M	(\$198M)	(\$398M)	(\$651M)
Health Innovation	19	\$3B	\$2M	(\$173M)	(\$295M)	(\$847M)
Industrial Revolution	30	\$11B	(\$34M)	(\$585M)	(\$898M)	(\$2,136M)
Multi	39	\$14B	\$158M	\$617M	\$194M	\$874M
Sustainability	39	\$19B	(\$43M)	(\$337M)	\$373M	(\$1,238M)
<b>Grand Total</b>	<b>225</b>	<b>\$76B</b>	<b>(\$20M)</b>	<b>(\$1,562M)</b>	<b>(\$3,190M)</b>	<b>(\$6,399M)</b>

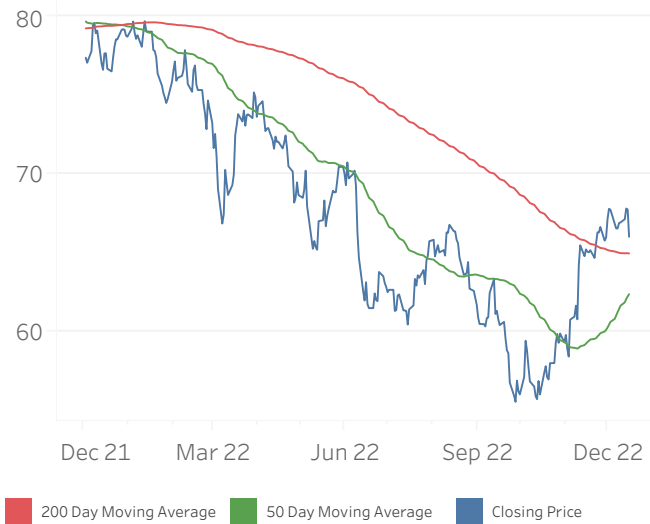
## Thematic Monthly Flows



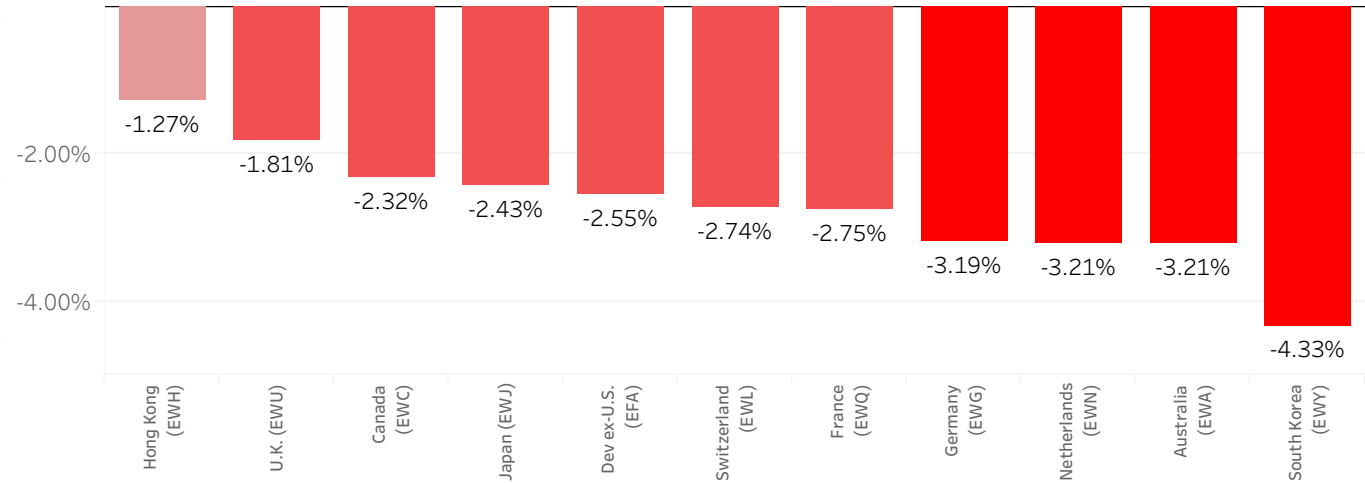
\* ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day



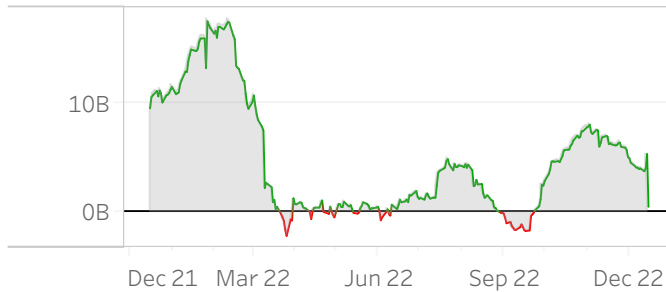
Developed ex-U.S. (EFA)



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



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



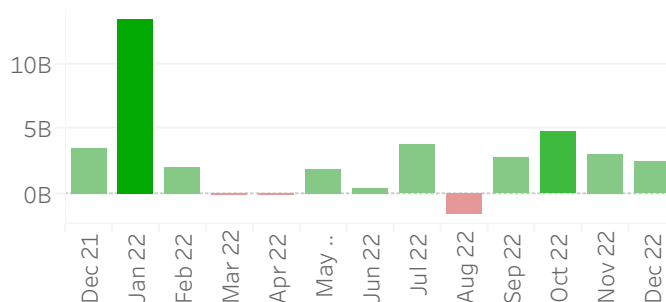
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	Performance
DXJ	WisdomTree Japan Hedged Equity Fund	-0.19%
GREK	Global X MSCI Greece ETF	-0.33%
HEWJ	iShares Currency Hedged MSCI Japan ETF	-0.54%
LVHI	Franklin International Low Volatility High Dividend Index ETF	-0.58%
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	-0.73%
HSCZ	iShares Currency Hedged MSCI EAFE Small-Cap ETF	-0.98%
DDW..	WisdomTree Dynamic Currency Hedged International Equity ..	-1.11%
IMOM	Alpha Architect International Quantitative Momentum ETF	-1.15%
EWH	iShares MSCI Hong Kong ETF	-1.27%
DDLS	WisdomTree Dynamic Currency Hedged International SmallC..	-1.28%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
EDEN	iShares MSCI Denmark ETF	66.13
GREK	Global X MSCI Greece ETF	64.82
EWH	iShares MSCI Hong Kong ETF	64.25
HDEF	Xtrackers MSCI EAFE High Dividend Yield Equity ETF	58.79
FDD	First Trust Stoxx European Select Dividend Index Fund	58.76
FLGB	Franklin FTSE United Kingdom ETF	57.61
MINV	Matthews Asia Innovators Active ETF	57.00
ENZL	iShares MSCI New Zealand ETF	56.90
IMFL	Invesco International Developed Dynamic Multifactor ETF	56.86
DTH	WisdomTree International High Dividend Fund	56.49

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	Performance
EWY	iShares MSCI South Korea ETF	-4.33%
FLKR	Franklin FTSE South Korea ETF	-4.22%
EWU	iShares MSCI Sweden ETF	-3.98%
FEZ	SPDR EURO STOXX 50 ETF	-3.38%
EWA	iShares MSCI Australia ETF	-3.21%
EWN	iShares MSCI Netherlands ETF	-3.21%
EWG	iShares MSCI Germany ETF	-3.19%
EFG	iShares MSCI EAFE Growth ETF	-3.15%
AIA	iShares Asia 50 ETF	-3.12%
PIZ	Invesco DWA Developed Markets Momentum ETF	-3.08%

Developed ex-U.S. Most Oversold

Ticker	Fund	Value
HEWJ	iShares Currency Hedged MSCI Japan ETF	15.17
HSCZ	iShares Currency Hedged MSCI EAFE Small-Cap ETF	20.16
HEFA	iShares Currency Hedged MSCI EAFE ETF	22.05
DBEF	Xtrackers MSCI EAFE Hedged Equity ETF	25.05
HEZU	iShares Currency Hedged MSCI Eurozone ETF	25.68
IHDG	WisdomTree International Hedged Quality Dividend ..	28.11
LVHI	Franklin International Low Volatility High Dividend I..	35.79
EWU	iShares MSCI Canada ETF	36.55
FLCA	Franklin FTSE Canada ETF	39.14
EIS	iShares MSCI Israel ETF	39.16

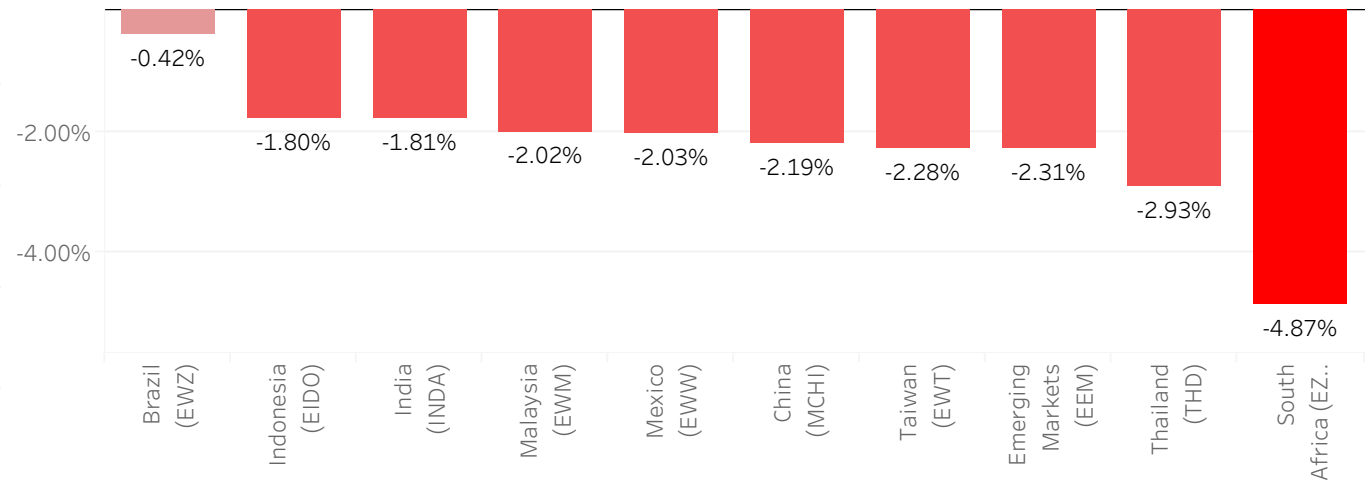
\*ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day



Emerging (EEM)



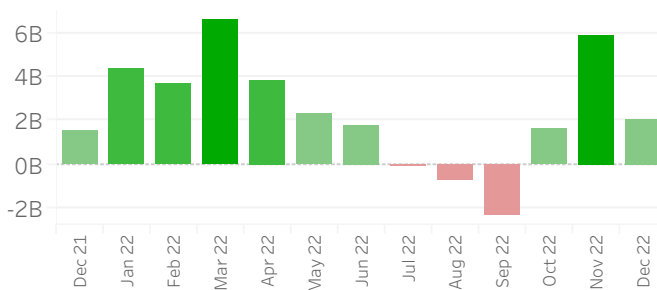
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
TUR	iShares MSCI Turkey ETF	1.96%
FLBR	Franklin FTSE Brazil ETF	0.23%
EWZS	iShares MSCI Brazil Small-Cap ETF	0.03%
KSA	iShares MSCI Saudi Arabia ETF	-0.30%
EWZ	iShares MSCI Brazil ETF	-0.42%
RAYC	Rayliant Quantamental China Equity ETF	-0.53%
FEMS	First Trust Emerging Markets Small Cap AlphaDEX Fund	-0.66%
CNYA	iShares MSCI China A ETF	-0.66%
ILF	iShares Latin America 40 ETF	-0.68%
KBA	KraneShares Bosera MSCI China A 50 Connect Index ETF	-0.77%

Emerging Most Overbought

Ticker	Fund	Value
TUR	iShares MSCI Turkey ETF	65.10
GXC	SPDR S&P China ETF	60.75
FEMS	First Trust Emerging Markets Small Cap AlphaDEX Fu..	60.38
FLCH	Franklin FTSE China ETF	60.07
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	59.74
PGJ	Invesco Golden Dragon China ETF	59.44
EPOL	iShares MSCI Poland ETF	59.05
ECNS	iShares MSCI China Small-Cap ETF	58.17
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	58.14
MCHI	iShares MSCI China ETF	57.90

Emerging 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
LDEM	iShares ESG MSCI EM Leaders ETF	-5.32%
EZA	iShares MSCI South Africa ETF	-4.87%
FRDM	Freedom 100 Emerging Markets ETF	-3.13%
THD	iShares MSCI Thailand ETF	-2.93%
DGRE	WisdomTree Emerging Markets Quality Dividend Growt..	-2.80%
XSOE	WisdomTree Emerging Markets ex-State-Owned Enterp..	-2.69%
FLCH	Franklin FTSE China ETF	-2.61%
ECH	iShares MSCI Chile ETF	-2.52%
XCEM	Columbia EM Core ex-China ETF	-2.52%
EEMA	iShares MSCI Emerging Markets Asia ETF	-2.48%

Emerging Most Oversold

Ticker	Fund	Value
QAT	iShares MSCI Qatar ETF	22.09
EWI	iShares MSCI Taiwan ETF	26.15
ILF	iShares Latin America 40 ETF	26.16
KBA	KraneShares Bosera MSCI China A 50 Connect Index ..	26.65
EWZ	iShares MSCI Brazil ETF	28.23
KSA	iShares MSCI Saudi Arabia ETF	29.54
EWZS	iShares MSCI Brazil Small-Cap ETF	30.65
INDY	iShares India 50 ETF	32.81
FLBR	Franklin FTSE Brazil ETF	35.73
EWZ	iShares MSCI Mexico ETF	35.80

\*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	0.15%	3.21%	-10.68%
SHY	1-3 Year Treasury Bonds	0.01%	0.55%	-3.67%
IEF	7-10 Year Treasury Bonds	0.19%	2.93%	-12.43%
TLT	20+ Year Treasury Bonds	0.39%	9.68%	-25.20%
TIP	TIPS Bonds	0.02%	1.54%	-10.83%
FLOT	Floating Rate Bonds	-0.06%	0.46%	0.76%
LQD	Investment Grade Corporate	0.08%	4.47%	-14.74%
HYG	High Yield Corporate	-0.37%	1.56%	-9.34%
BKLN	Senior Loan	-0.33%	0.03%	-1.97%
PFF	Preferred & Income Securities	-0.73%	-0.67%	-16.28%
MUB	Municipal Bonds	-0.08%	2.61%	-6.59%
MBB	MBS	0.12%	3.39%	-9.30%
EMB	Dollar Denominated EM Bonds	-0.53%	3.14%	-16.98%
LEMB	Local Currency EM Bond	-0.51%	2.88%	-10.86%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	-0.88%	-3.41%	18.33%
DBE	Energy	-1.27%	-10.00%	31.73%
USO	WTI Crude Oil	-1.80%	-9.69%	21.69%
BNO	Brent Crude Oil	-1.79%	-12.34%	28.41%
UNG	Natural Gas	7.45%	5.82%	67.49%
UGA	Gasoline	-3.25%	-11.87%	28.54%
DBP	Precious Metals	-2.07%	1.06%	-4.28%
GLD	Gold	-1.64%	-0.09%	-3.28%
SLV	Silver	-3.41%	6.84%	-1.26%
PPLT	abrdn Physical Platin..	-1.86%	-0.60%	4.02%
PALL	abrdn Physical Palla..	-6.25%	-14.40%	-5.32%
DBB	Base Metals	-2.44%	0.00%	-10.02%
CPER	Copper	-2.19%	-1.09%	-16.24%
LD	Lead	-1.27%	-1.90%	-4.75%
JJN	Nickel	1.47%	-2.77%	38.99%
JJU	Aluminum	-2.62%	-2.20%	-15.66%
JJT	Tin	-3.08%	9.26%	-36.91%
DBA	Agriculture	-0.05%	-1.54%	0.35%
CORN	Corn	0.23%	-2.25%	20.84%
SOYB	Soybeans	-0.72%	0.11%	21.32%
WEAT	Wheat	0.66%	-10.22%	3.38%
CANE	Sugar	-1.50%	-1.60%	3.00%
BAL	Cotton	-0.35%	-6.47%	-10.10%
NIB	Cocoa	-0.59%	0.97%	-6.64%
JO	Coffee	2.49%	6.64%	-19.86%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.93%	-1.46%	10.26%
UDN	Short Dollar	-1.44%	1.71%	-8.94%
FXE	Euro	-0.49%	2.69%	-7.27%
FXB	British Pound Sterling	-1.99%	2.84%	-9.74%
FXF	Swiss Franc	-0.58%	1.63%	-2.74%
FXJ	Japanese Yen	-1.80%	1.06%	-16.85%
FXC	Canadian Dollar	-0.73%	-2.59%	-7.28%
FXA	Australian Dollar	-2.15%	-0.93%	-7.94%

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