

Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

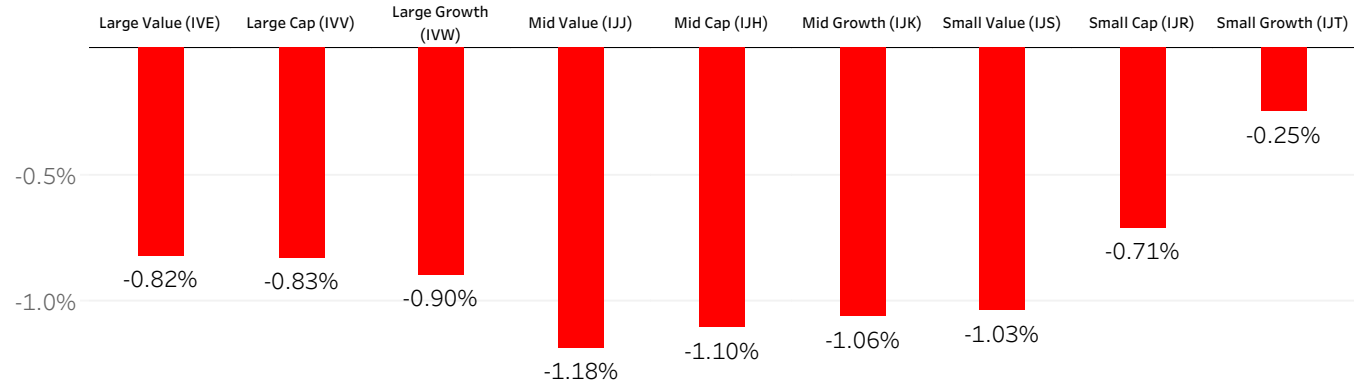


Small Cap Blend (S&P 600) IJR



■ 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
XSLV	Invesco S&P SmallCap Low Volatility ETF	0.70%
SMDV	ProShares Russell 2000 Dividend Growers ETF	0.08%
XSMO	Invesco S&P SmallCap Momentum ETF	0.06%
PTLC	Pacer Trendpilot US Large Cap ETF	0.05%
SPC	CrossingBridge Pre-Merger SPAC ETF	0.05%
ISMD	Inspire Small/Mid Cap ETF	0.03%
CSF	VictoryShares US Discovery Enhanced Volatility Wtd ETF	0.02%
SIXS	ETC 6 Meridian Small Cap Equity ETF	-0.01%
ONOF	Global X Adaptive U.S. Risk Management ETF	-0.07%
SIXL	ETC 6 Meridian Low Beta Equity ETF	-0.10%

Size & Style Most Overbought

Ticker	Fund	Value
PTLC	Pacer Trendpilot US Large Cap ETF	63.56
SPC	CrossingBridge Pre-Merger SPAC ETF	62.73
ONOF	Global X Adaptive U.S. Risk Management ETF	50.56
DURA	VanEck Durable High Dividend ETF	47.64
ALTL	Pacer Lunt Large Cap Alternator ETF	46.85
LVHD	Franklin U.S. Low Volatility High Dividend Index ETF	46.62
SPLV	Invesco S&P 500 Low Volatility ETF	45.52
XRLV	Invesco S&P 500 ex-Rate Sensitive Low Volatility ETF	45.24
CGDV	Capital Group Dividend Value ETF	44.89
HUSV	First Trust Horizon Managed Volatility Domestic ETF	44.79

Size & Style 1-Day Performance Laggards

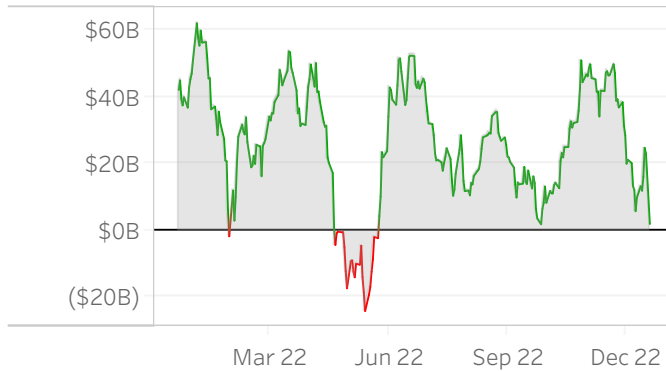
Ticker	Fund	Performance
NZUS	SPDR MSCI USA Climate Paris Aligned ETF	-5.77%
QVML	Invesco S&P 500 QVM Multi-factor ETF	-3.44%
IPO	Renaissance IPO ETF	-2.73%
PABU	iShares Paris-Aligned Climate MSCI USA ETF	-2.35%
JSML	Janus Henderson Small Cap Growth Alpha ETF	-2.20%
LCG	Sterling Capital Focus Equity ETF	-2.20%
VBK	Vanguard Small-Cap Growth ETF	-2.02%
DWAS	Invesco DWA SmallCap Momentum ETF	-2.02%
IWC	iShares Micro-Cap ETF	-2.02%
FPX	First Trust US Equity Opportunities ETF	-1.93%

Size & Style Most Oversold

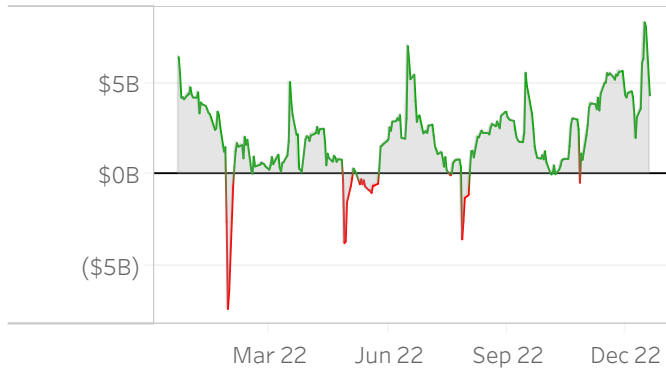
Ticker	Fund	Value
LSAT	Leadershares Alphafactor Tactical Focused ETF	25.83
QVML	Invesco S&P 500 QVM Multi-factor ETF	27.62
ACSI	American Customer Satisfaction ETF	27.62
FFTY	Innovator IBD 50 ETF	28.71
XSVM	Invesco S&P SmallCap Value with Momentum ETF	28.92
JMEE	JPMorgan Market Expansion Enhanced Equity ETF	29.14
NZUS	SPDR MSCI USA Climate Paris Aligned ETF	29.31
PTMC	Pacer Trendpilot US Mid Cap ETF	30.44
FPX	First Trust US Equity Opportunities ETF	30.81
NUMV	Nuveen ESG Mid-Cap Value ETF	30.88

*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	\$1,200B	(\$9.31B)	\$24.05B	\$39.04B	\$79.23B
Large Cap, Beta Growth, Beta: Growth	10	\$217B	\$0.97B	\$9.60B	\$15.57B	\$20.97B
Large Cap, Beta Growth, Beta: Value	11	\$224B	\$6.16B	\$6.32B	\$6.62B	\$24.20B
Mid Cap, Beta, Beta	10	\$178B	(\$0.89B)	\$5.38B	\$6.14B	\$12.12B
Mid Cap, Beta, Beta: Growth	6	\$32B	\$0.21B	\$0.44B	\$1.07B	\$0.77B
Mid Cap, Beta, Beta: Value	6	\$41B	\$0.22B	\$1.77B	\$1.75B	\$2.24B
Small Cap, Beta, Beta	13	\$188B	\$2.66B	\$6.31B	\$3.22B	\$2.36B
Small Cap, Beta, Beta: Growth	7	\$30B	\$0.16B	\$0.90B	\$0.62B	\$1.20B
Small Cap, Beta, Beta: Value	7	\$50B	\$1.45B	\$2.46B	\$0.34B	(\$0.92B)

U.S. Size & Style Flow Leaders

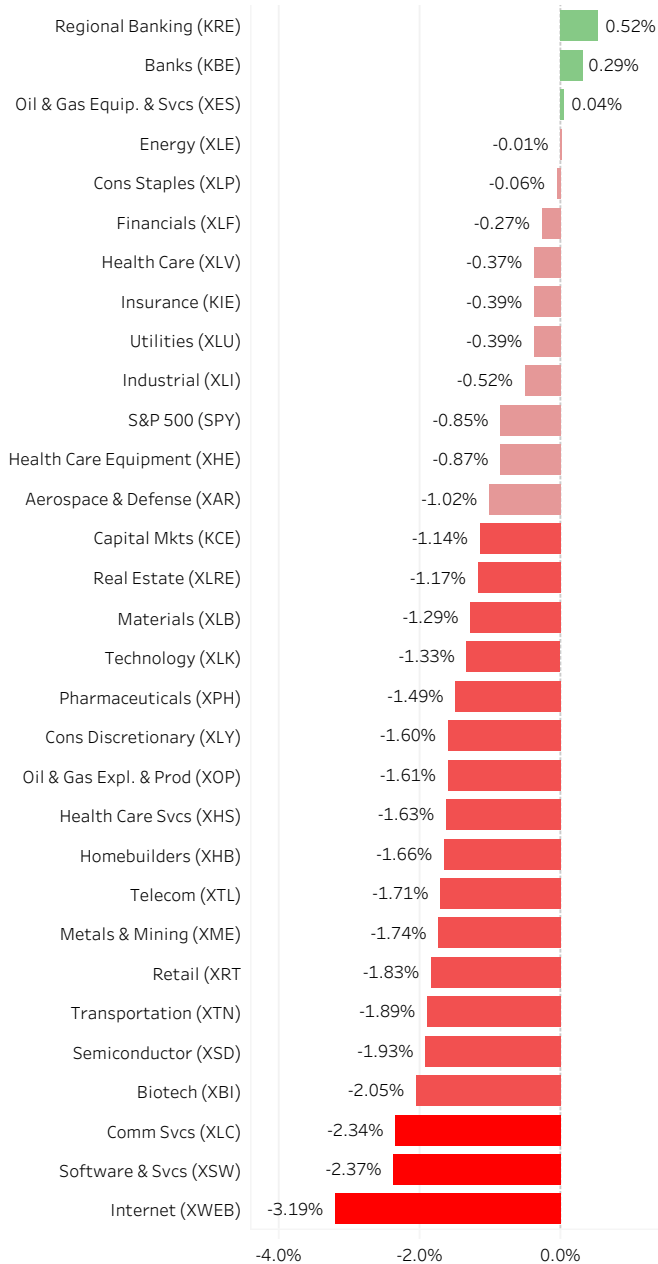
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPYV	SPDR Portfolio S&P 500 Value ETF	\$4.54B	\$6.20B	\$6.28B	\$6.70B	\$19.31B
IWM	iShares Russell 2000 ETF	\$2.30B	\$3.99B	(\$0.42B)	(\$2.02B)	\$53.86B
RPV	Invesco S&P 500 Pure Value ETF	\$1.17B	\$1.32B	\$1.09B	\$2.09B	\$4.74B
SLYV	SPDR S&P 600 Small Cap Value ETF	\$1.03B	\$1.06B	\$1.10B	\$1.28B	\$4.95B
COWZ	Pacer US Cash Cows 100 ETF	\$1.02B	\$3.33B	\$4.82B	\$10.06B	\$11.16B
VTI	Vanguard Total Stock Market ETF	\$0.81B	\$6.85B	\$11.86B	\$25.35B	\$262.67B
VTV	Vanguard Value ETF	\$0.77B	(\$3.27B)	(\$2.05B)	\$11.54B	\$99.02B
MDYV	SPDR S&P 400 Mid Cap Value ETF	\$0.59B	\$1.00B	\$1.49B	\$1.50B	\$2.95B
IWF	iShares Russell 1000 Growth ETF	\$0.53B	\$2.63B	\$2.91B	\$3.05B	\$59.63B
SPHQ	Invesco S&P 500 Quality ETF	\$0.49B	\$0.60B	\$0.06B	\$1.25B	\$4.09B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	(\$4.45B)	\$13.28B	\$10.07B	(\$0.24B)	\$367.97B
QQQ	Invesco QQQ Trust	(\$3.39B)	(\$3.23B)	(\$1.46B)	(\$0.18B)	\$149.85B
VO	Vanguard Mid-Cap ETF	(\$1.31B)	\$1.33B	\$0.84B	\$3.63B	\$51.02B
IVV	iShares Core S&P 500 ETF	(\$0.91B)	\$5.19B	\$7.41B	\$23.78B	\$292.73B
SPLG	SPDR Portfolio S&P 500 ETF	(\$0.53B)	\$0.81B	\$1.97B	\$3.42B	\$14.89B
VOE	Vanguard Mid-Cap Value ETF	(\$0.49B)	\$0.44B	(\$0.19B)	\$1.79B	\$16.28B
IWB	iShares Russell 1000 ETF	(\$0.32B)	\$0.95B	\$0.99B	\$1.56B	\$27.23B
PKW	Invesco Buyback Achievers ETF	(\$0.26B)	\$0.35B	\$0.23B	\$0.18B	\$1.53B
VXF	Vanguard Extended Market ETF	(\$0.11B)	\$0.19B	(\$0.05B)	\$0.33B	\$13.11B
VLUE	iShares MSCI USA Value Factor ETF	(\$0.09B)	(\$0.48B)	(\$1.50B)	(\$6.30B)	\$7.66B

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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	-5.85%	12.16%	1.07%	2.70%	44.08
XLP	Consumer Staples Select Sector SPDR Fund	-7.81%	11.70%	1.43%	0.72%	44.03
XLI	Industrial Select Sector SPDR Fund	-9.28%	17.24%	1.25%	3.04%	43.06
XLU	Utilities Select Sector SPDR Fund	-10.87%	13.18%	2.63%	-2.40%	46.80
XLE	Energy Select Sector SPDR Fund	-11.26%	50.43%	-5.23%	3.85%	37.98
XLB	Materials Select Sector SPDR Fund	-14.41%	15.20%	0.18%	-2.01%	40.23
XLF	Financial Select Sector SPDR Fund	-19.36%	10.27%	-2.14%	-2.16%	35.75
SPY	SPDR S&P 500 ETF Trust	-20.45%	6.58%	-1.78%	-5.22%	38.36
XLK	Technology Select Sector SPDR Fund	-28.54%	7.60%	-1.98%	-7.83%	40.34
XLRE	Real Estate Select Sector SPDR Fund	-29.28%	8.50%	-1.20%	-12.18%	39.08
XLY	Consumer Discretionary Select Sector SPDR Fund	-37.52%	0.00%	-6.58%	-14.72%	30.62
XLC	Communication Services Select Sector SPDR Fund	-40.16%	3.08%	-4.78%	-16.31%	35.75

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
KBWR	Invesco KBW Regional Banking ETF	0.70%
KRE	SPDR S&P Regional Banking ETF	0.52%
QABA	First Trust NASDAQ ABA Community Bank Index F..	0.31%
KBE	SPDR S&P Bank ETF	0.29%
PBJ	Invesco Dynamic Food & Beverage ETF	0.21%
REM	iShares Mortgage Real Estate ETF	0.17%
MORT	VanEck Mortgage REIT Income ETF	0.16%
IEZ	iShares U.S. Oil Equipment & Services ETF	0.15%
IHE	iShares U.S. Pharmaceuticals ETF	0.15%
FTXO	First Trust Nasdaq Bank ETF	0.12%

Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
ITB	iShares U.S. Home Construction ETF	53.13
FBT	First Trust NYSE Arca Biotechnology Index Fund	49.41
XAR	SPDR S&P Aerospace & Defense ETF	48.53
ITA	iShares U.S. Aerospace & Defense ETF	48.20
FXH	First Trust Health Care AlphaDEX Fund	48.03
XLU	Utilities Select Sector SPDR Fund	46.80
RYU	Invesco S&P 500 Equal Weight Utilities ETF	46.78
FUTY	Fidelity MSCI Utilities Index ETF	46.74
VPU	Vanguard Utilities ETF	46.70
RYH	Invesco S&P 500 Equal Weight Health Care ETF	46.68

Sector & Industry 1 Day Performance Laggards

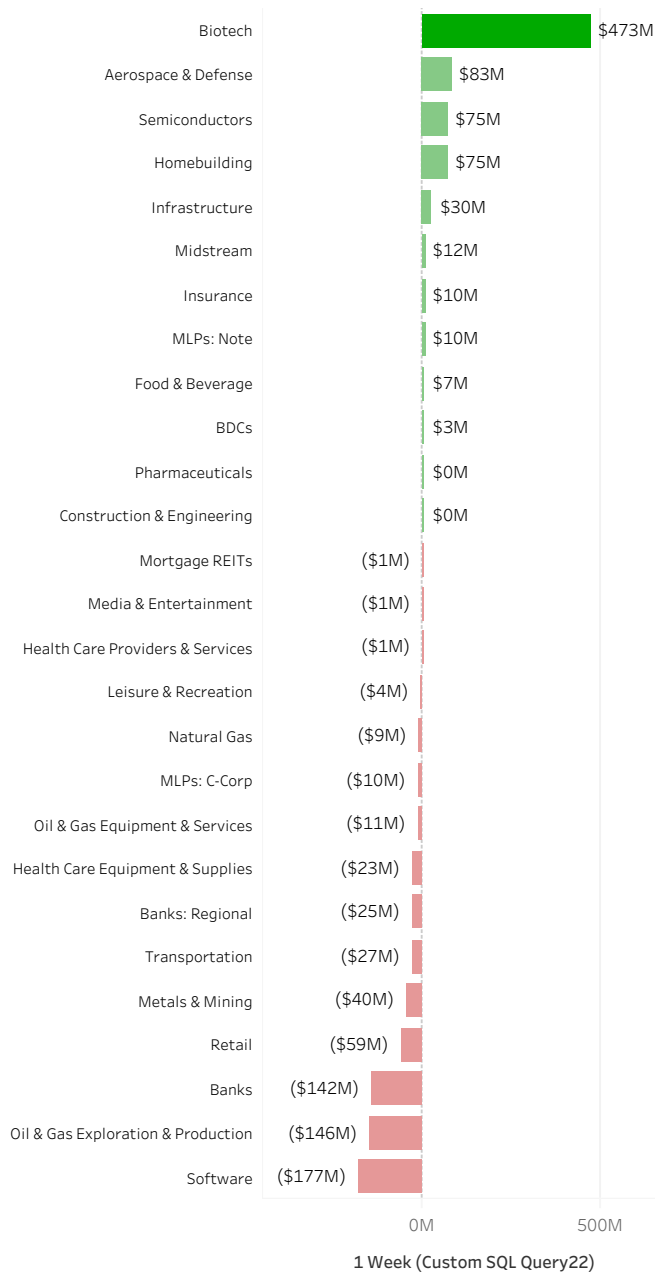
Ticker	Fund	1 Day Performance
PTH	Invesco DWA Healthcare Momentum ETF	-2.71%
XSW	SPDR S&P Software & Services ETF	-2.37%
XLC	Communication Services Select Sector SPDR Fund	-2.34%
FBT	First Trust NYSE Arca Biotechnology Index Fund	-2.21%
FND	First Trust Dow Jones Internet Index Fund	-2.19%
FCOM	Fidelity MSCI Communication Services Index ETF	-2.19%
MLPA	Global X MLP ETF	-2.08%
VOX	Vanguard Communication Services ETF	-2.06%
XBI	SPDR S&P BIOTECH ETF	-2.05%
PNQI	Invesco NASDAQ Internet ETF	-2.00%

Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
KBWR	Invesco KBW Regional Banking ETF	26.50
KRE	SPDR S&P Regional Banking ETF	27.54
KBE	SPDR S&P Bank ETF	28.81
QABA	First Trust NASDAQ ABA Community Bank Index Fund	29.28
JPRE	JPMorgan Realty Income ETF	29.45
XLY	Consumer Discretionary Select Sector SPDR Fund	30.62
FTXO	First Trust Nasdaq Bank ETF	31.05
IAT	iShares U.S. Regional Banks ETF	31.35
PFI	Invesco DWA Financial Momentum ETF	31.99
VCR	Vanguard Consumer Discretionary ETF	32.22

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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	\$11B	(\$51M)	\$43M	(\$26M)	(\$1,210M)
Consumer Discretionary	12	\$20B	\$26M	(\$770M)	(\$1,087M)	(\$6,027M)
Consumer Staples	10	\$30B	(\$53M)	\$1,213M	\$2,845M	\$8,391M
Energy	33	\$78B	(\$248M)	\$731M	(\$3,403M)	\$370M
Financials	26	\$58B	(\$267M)	\$351M	(\$1,324M)	(\$10,701M)
Health Care	23	\$97B	\$278M	\$2,643M	\$4,147M	\$12,801M
Industrial	13	\$30B	\$140M	\$621M	(\$507M)	(\$2,156M)
Materials	9	\$13B	(\$32M)	(\$389M)	(\$3,063M)	(\$1,224M)
Multi-Sector	19	\$13B	(\$17M)	(\$780M)	(\$2,154M)	(\$6,476M)
Real Estate	25	\$60B	\$255M	(\$377M)	(\$1,788M)	(\$3,082M)
Technology	23	\$114B	\$58M	\$2,776M	\$1,539M	(\$368M)
Utilities	9	\$26B	\$157M	(\$713M)	\$1,157M	\$5,501M

U.S. Sector & Industry Flow Leaders

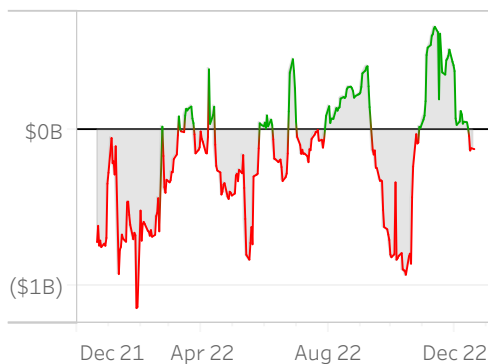
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IYR	iShares U.S. Real Estate ETF	\$510M	\$275M	(\$112M)	(\$955M)	\$3,955M
XBI	SPDR S&P BIOTECH ETF	\$439M	\$1,228M	\$1,291M	\$3,825M	\$8,226M
XLK	Technology Select Sector SPDR Fund	\$286M	\$751M	\$1,233M	\$1,498M	\$39,755M
XLU	Utilities Select Sector SPDR Fund	\$116M	(\$415M)	\$801M	\$3,759M	\$16,827M
ITB	iShares U.S. Home Construction ETF	\$103M	\$99M	(\$159M)	(\$1,017M)	\$1,407M
XLI	Industrial Select Sector SPDR Fund	\$95M	\$11M	(\$851M)	(\$2,542M)	\$13,722M
XLY	Consumer Discretionary Select Sector SPDR Fu..	\$80M	(\$768M)	(\$712M)	(\$2,678M)	\$13,496M
SOXX	iShares Semiconductor ETF	\$74M	(\$77M)	(\$431M)	(\$314M)	\$6,114M
ITA	iShares U.S. Aerospace & Defense ETF	\$72M	\$447M	\$389M	\$1,843M	\$4,528M
XLRE	Real Estate Select Sector SPDR Fund	\$64M	\$203M	\$421M	\$735M	\$5,095M

U.S. Sector & Industry Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
VNQ	Vanguard Real Estate ETF	(\$380M)	(\$718M)	(\$1,648M)	(\$2,095M)	\$34,099M
XLV	Health Care Select Sector SPDR Fund	(\$233M)	\$1,015M	\$1,339M	\$7,899M	\$42,379M
IGV	iShares Expanded Tech-Software Sector ETF	(\$179M)	\$660M	\$185M	(\$7M)	\$4,257M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	(\$144M)	(\$1M)	(\$232M)	(\$455M)	\$4,277M
IYZ	iShares U.S. Telecommunications ETF	(\$126M)	(\$98M)	(\$99M)	(\$154M)	\$227M
FDN	First Trust Dow Jones Internet Index Fund	(\$115M)	(\$358M)	(\$345M)	(\$2,612M)	\$3,716M
IYW	iShares U.S. Technology ETF	(\$109M)	\$1,932M	\$1,851M	\$987M	\$7,980M
KBE	SPDR S&P Bank ETF	(\$108M)	(\$215M)	(\$542M)	(\$876M)	\$1,716M
XLP	Consumer Staples Select Sector SPDR Fund	(\$87M)	\$1,089M	\$1,931M	\$4,839M	\$17,602M
XLF	Financial Select Sector SPDR Fund	(\$61M)	\$665M	(\$397M)	(\$5,387M)	\$31,519M

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Communication Services



Consumer Discretionary



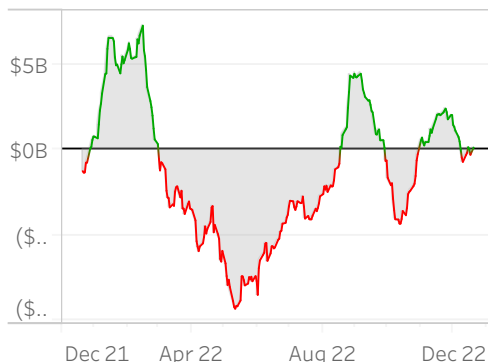
Consumer Staples



Energy



Financials



Industrial



Health Care



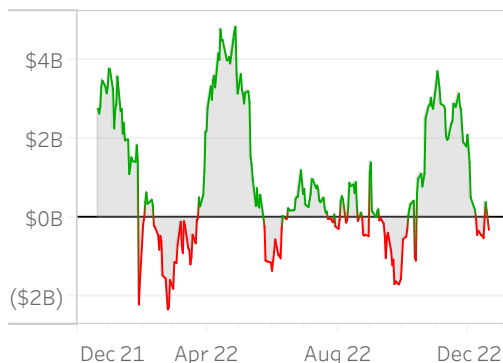
Materials



Real Estate



Technology



Utilities

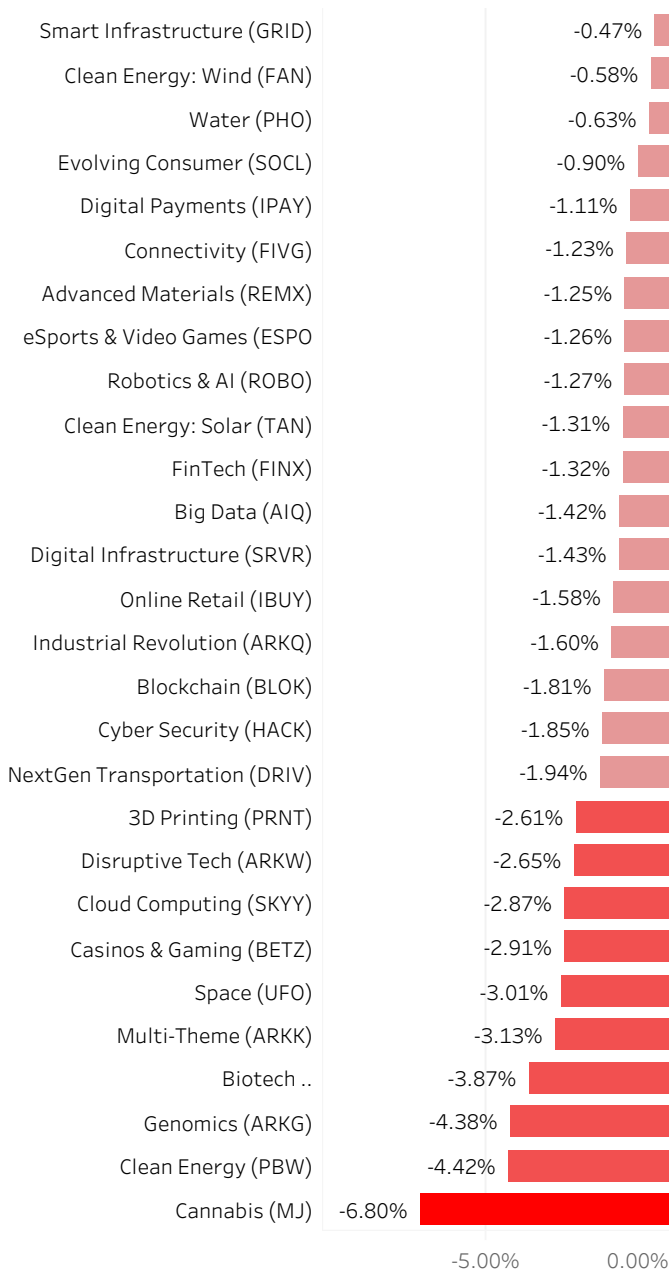


Multi-Sector

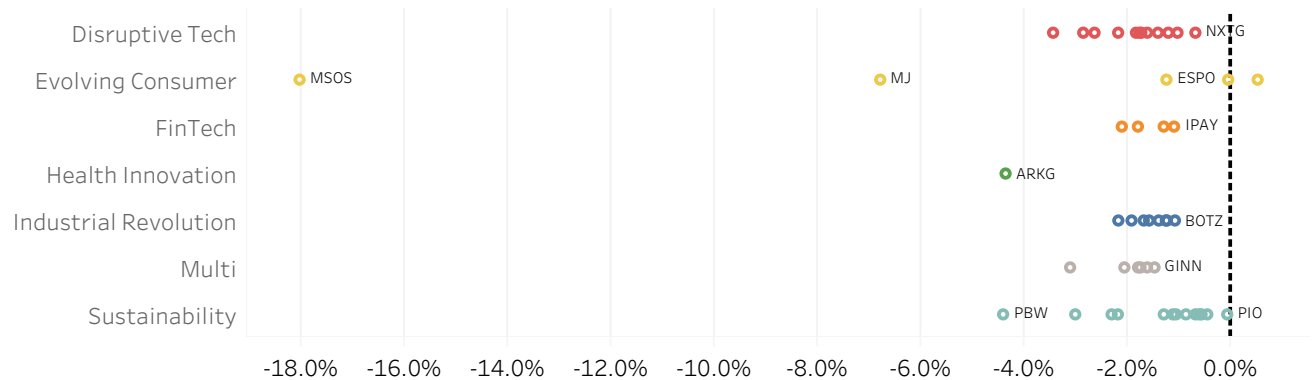


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	0.50%
KWEB	KraneShares CSI China Internet ETF	-0.07%
PIO	Invesco Global Water ETF	-0.08%
RNRG	Global X Renewable Energy Producers ETF	-0.34%
LEGR	First Trust Indxx Innovative Transaction & Process ETF	-0.38%
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure..	-0.47%
FAN	First Trust Global Wind Energy ETF	-0.58%
PHO	Invesco Water Resources ETF	-0.63%
SAMT	Strategas Macro Thematic Opportunities ETF	-0.64%
NXTG	First Trust Indxx NextG ETF	-0.70%

Thematic Most Overbought

Ticker	Fund	Value
KWEB	KraneShares CSI China Internet ETF	60.47
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	56.53
SOCL	Global X Social Media ETF	52.77
FAN	First Trust Global Wind Energy ETF	48.37
KGRN	KraneShares MSCI China Clean Technology Index ETF	48.19
BOTZ	Global X Robotics & Artificial Intelligence ETF	47.11
ICLN	iShares Global Clean Energy ETF	45.78
CLOU	Global X Cloud Computing ETF	45.75
CTEC	Global X CleanTech ETF	45.52
PIO	Invesco Global Water ETF	45.32

Global Thematic 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
MSOS	AdvisorShares Pure US Cannabis ETF	-18.05%
YOLO	AdvisorShares Pure Cannabis ETF	-7.86%
MJUS	ETFMG U.S. Alternative Harvest ETF	-7.36%
MJ	ETFMG Alternative Harvest ETFMG Alternative Harvest	-6.80%
PBW	Invesco WilderHill Clean Energy ETF	-4.42%
ARKG	ARK Genomic Revolution ETF	-4.38%
SBIO	ALPS Medical Breakthroughs ETF	-3.87%
GNOM	Global X Genomics & Biotechnology ETF	-3.83%
WCLD	WisdomTree Cloud Computing Fund	-3.46%
IDNA	iShares Genomics Immunology and Healthcare ETF	-3.23%

Thematic Most Oversold

Ticker	Fund	Value
YOLO	AdvisorShares Pure Cannabis ETF	28.40
MSOS	AdvisorShares Pure US Cannabis ETF	28.73
HAIL	SPDR S&P Kensho Smart Mobility ETF	30.82
MJ	ETFMG Alternative Harvest ETFMG Alternative Harvest	31.60
MJUS	ETFMG U.S. Alternative Harvest ETF	32.39
BLOK	Amplify Transformational Data Sharing ETF	32.45
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	32.69
REMX	VanEck Rare Earth/Strategic Metals ETF	32.93
PBW	Invesco WilderHill Clean Energy ETF	32.95
ACES	ALPS Clean Energy ETF	33.37

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Thematic 1 Week Flow Leaders

Ticker	Fund	
PHO	Invesco Water Resources ETF	\$108M
PBW	Invesco WilderHill Clean Energy ETF	\$50M
ARKG	ARK Genomic Revolution ETF	\$11M
REMX	VanEck Rare Earth/Strategic Metals ETF	\$9M
XT	iShares Exponential Technologies ETF	\$8M
GNOM	Global X Genomics & Biotechnology ETF	\$4M
TARK	AXS 2X Innovation ETF	\$4M
TIME	Clockwise Capital Innovation ETF	\$3M
METV	Roundhill Ball Metaverse ETF	\$3M
BJK	VanEck Gaming ETF	\$2M

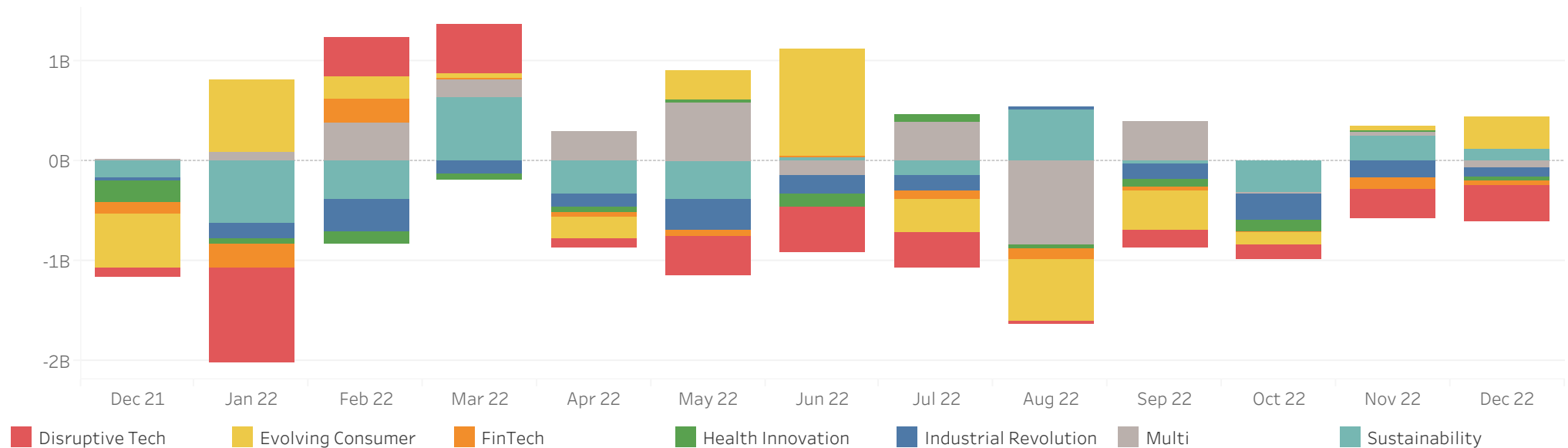
Thematic 1 Week Flow Laggards

Ticker	Fund	
CIBR	First Trust NASDAQ Cybersecurity ETF	(\$58M)
ARKK	ARK Innovation ETF	(\$45M)
KWEB	KraneShares CSI China Internet ETF	(\$39M)
NXTG	First Trust Indxx NextG ETF	(\$35M)
KOMP	SPDR S&P Kensho New Economies Composite ETF	(\$32M)
LIT	Global X Lithium & Battery Tech ETF	(\$26M)
SKYY	First Trust Cloud Computing ETF	(\$22M)
TAN	Invesco Solar ETF	(\$19M)
SRVR	Pacer Data & Infrastructure Real Estate ETF	(\$17M)
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	(\$14M)

Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	35	\$15B	(\$121M)	(\$846M)	(\$1,460M)	(\$2,430M)
Evolving Consumer	46	\$10B	(\$43M)	(\$51M)	(\$640M)	\$454M
FinTech	22	\$2B	(\$14M)	(\$209M)	(\$408M)	(\$579M)
Health Innovation	19	\$3B	\$6M	(\$157M)	(\$298M)	(\$798M)
Industrial Revolution	32	\$10B	(\$29M)	(\$597M)	(\$904M)	(\$2,077M)
Multi	41	\$13B	(\$56M)	\$416M	(\$53M)	\$1,294M
Sustainability	40	\$19B	\$139M	(\$138M)	\$557M	(\$852M)
Grand Total	235	\$73B	(\$118M)	(\$1,581M)	(\$3,205M)	(\$4,987M)

Thematic Monthly Flows

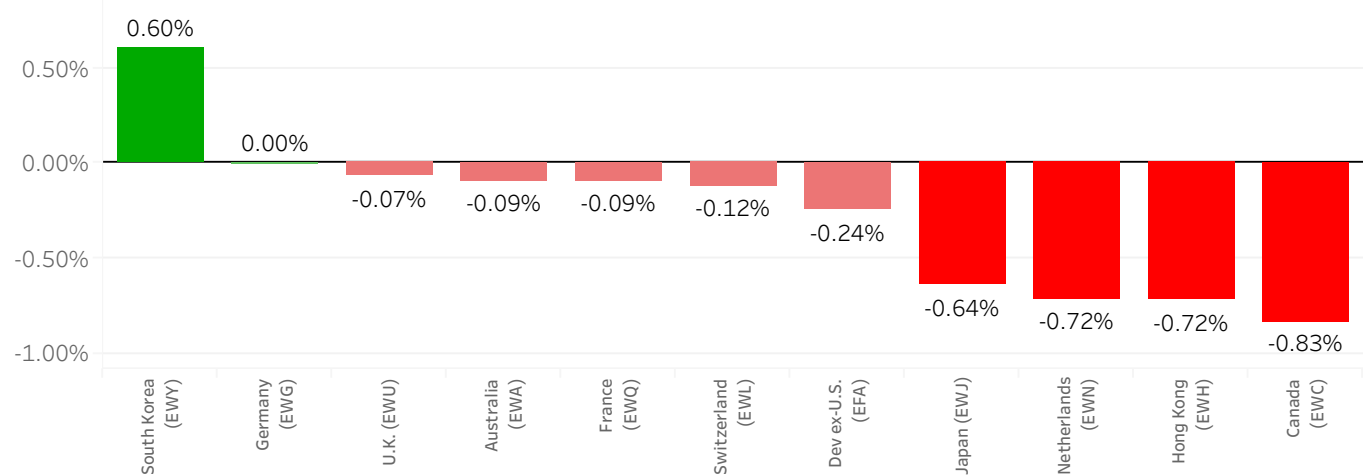


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

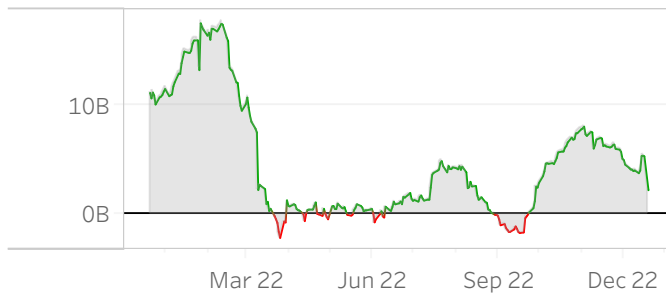
Developed ex-U.S. (EFA)



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



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



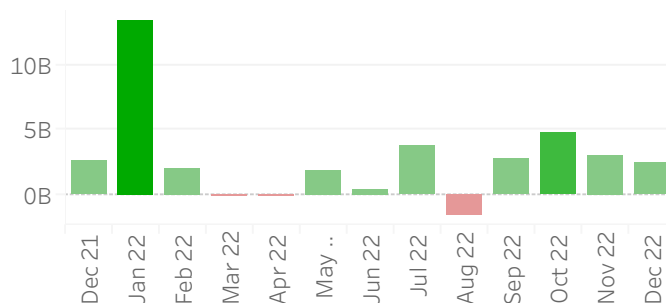
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
FLKR	Franklin FTSE South Korea ETF	1.00%
EWY	iShares MSCI South Korea ETF	0.60%
IVAL	Alpha Architect International Quantitative Value ETF	0.47%
FSZ	First Trust Switzerland AlphaDEX Fund	0.28%
FLSW	Franklin FTSE Switzerland ETF	0.21%
IEUS	iShares MSCI Europe Small-Cap ETF	0.20%
IDOG	ALPS International Sector Dividend Dogs ETF	0.20%
AIA	iShares Asia 50 ETF	0.14%
FEP	First Trust Europe AlphaDEX Fund	0.13%
AIVI	WisdomTree International AI Enhanced Value Fund	0.07%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
EWJ	iShares MSCI Hong Kong ETF	60.39
GREK	Global X MSCI Greece ETF	60.03
EDEN	iShares MSCI Denmark ETF	57.62
ENZL	iShares MSCI New Zealand ETF	56.45
MINV	Matthews Asia Innovators Active ETF	54.61
IMFL	Invesco International Developed Dynamic Multifactor ETF	53.61
AIA	iShares Asia 50 ETF	53.60
DFJ	WisdomTree Japan SmallCap Dividend Fund	53.18
DTH	WisdomTree International High Dividend Fund	53.04
SCJ	iShares MSCI Japan Small-Cap ETF	53.03

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
FJP	First Trust Japan AlphaDEX Fund	-1.32%
ISRA	VanEck Israel ETF	-1.19%
CIL	VictoryShares International Volatility Wtd ETF	-1.16%
GSID	Goldman Sachs MarketBeta International Equity ETF	-1.15%
BBCA	JPMorgan BetaBuilders Canada ETF	-0.94%
PBDM	Invesco PureBeta FTSE Developed ex-North America ETF	-0.92%
TOK	iShares MSCI Kokusai ETF	-0.90%
EWC	iShares MSCI Canada ETF	-0.83%
FDT	First Trust Developed Markets ex-US AlphaDEX Fund	-0.81%
EWH	iShares MSCI Hong Kong ETF	-0.72%

Developed ex-U.S. Most Oversold

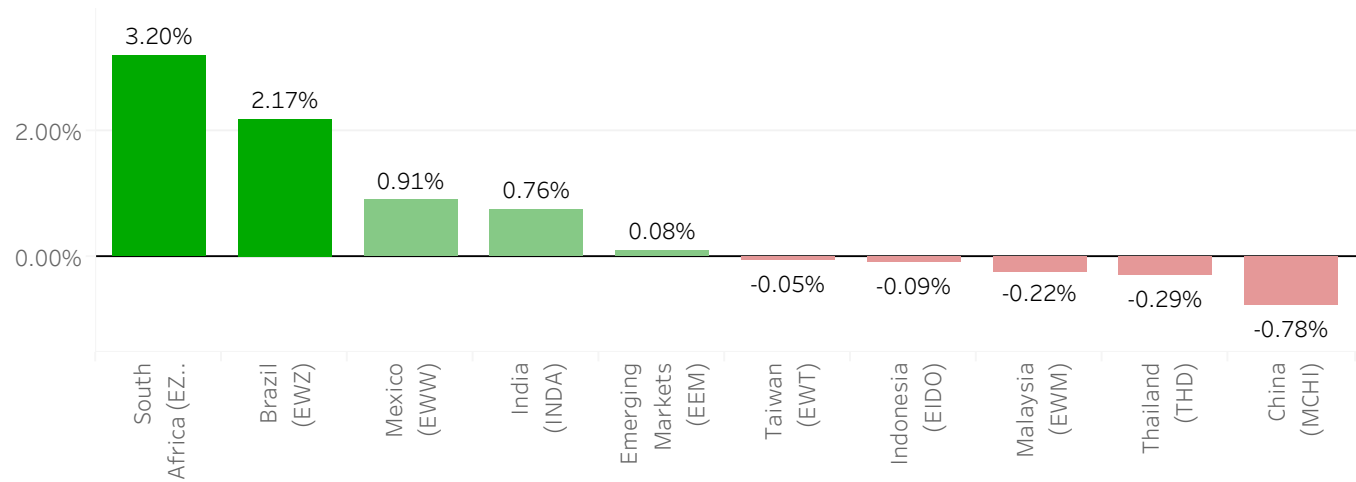
Ticker	Fund	Value
HEWJ	iShares Currency Hedged MSCI Japan ETF	14.69
HSCZ	iShares Currency Hedged MSCI EAFE Small-Cap ETF	19.40
HEFA	iShares Currency Hedged MSCI EAFE ETF	20.77
DBEF	Xtrackers MSCI EAFE Hedged Equity ETF	22.84
HEZU	iShares Currency Hedged MSCI Eurozone ETF	24.36
IHDG	WisdomTree International Hedged Quality Dividend ..	25.75
FLCA	Franklin FTSE Canada ETF	29.93
EWC	iShares MSCI Canada ETF	32.00
LVHI	Franklin International Low Volatility High Dividend I..	34.20
BBCA	JPMorgan BetaBuilders Canada ETF	34.57

* 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)



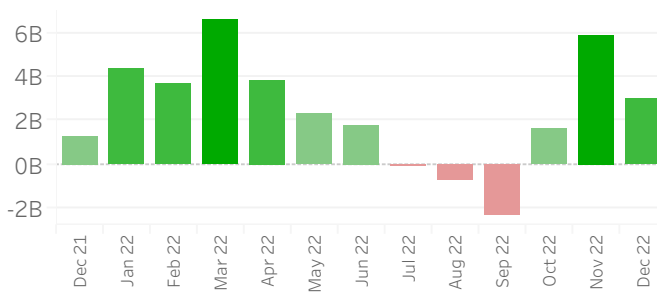
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
TUR	iShares MSCI Turkey ETF	3.85%
EZA	iShares MSCI South Africa ETF	3.20%
FLBR	Franklin FTSE Brazil ETF	2.34%
EWZ	iShares MSCI Brazil ETF	2.17%
EWZS	iShares MSCI Brazil Small-Cap ETF	2.11%
ILF	iShares Latin America 40 ETF	1.65%
FLLA	Franklin FTSE Latin America ETF	1.63%
FEMS	First Trust Emerging Markets Small Cap AlphaDEX Fund	1.11%
NFTY	First Trust India NIFTY 50 Equal Weight ETF	1.09%
FLN	First Trust Latin America AlphaDEX Fund	1.03%

Emerging Most Overbought

Ticker	Fund	Price
TUR	iShares MSCI Turkey ETF	70.74
FEMS	First Trust Emerging Markets Small Cap AlphaDEX Fu..	64.64
FEM	First Trust Emerging Markets AlphaDEX Fund	59.22
PGJ	Invesco Golden Dragon China ETF	57.84
GXC	SPDR S&P China ETF	57.32
DGS	WisdomTree Emerging Markets SmallCap Dividend F..	56.73
PIE	Invesco DWA Emerging Markets Momentum ETF	56.01
MCHI	iShares MSCI China ETF	55.96
EYLD	Cambria Emerging Shareholder Yield ETF	55.90
UEVM	VictoryShares Emerging Markets Value Momentum E..	55.63

Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
ECNS	iShares MSCI China Small-Cap ETF	-1.73%
CNYA	iShares MSCI China A ETF	-1.68%
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	-1.48%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	-1.28%
RAYC	Rayliant Quantamental China Equity ETF	-1.24%
GXC	SPDR S&P China ETF	-1.17%
KBA	KraneShares Boser MSCI China A 50 Connect Index ETF	-1.01%
FLCH	Franklin FTSE China ETF	-0.95%
FNI	First Trust Chindia ETF	-0.83%
PGJ	Invesco Golden Dragon China ETF	-0.82%

Emerging Most Oversold

Ticker	Fund	Price
PIN	Invesco India ETF	20.04
QAT	iShares MSCI Qatar ETF	25.62
EWT	iShares MSCI Taiwan ETF	25.77
KBA	KraneShares Boser MSCI China A 50 Connect Index ..	25.85
KSA	iShares MSCI Saudi Arabia ETF	27.86
ILF	iShares Latin America 40 ETF	30.44
FLLA	Franklin FTSE Latin America ETF	31.83
FLBR	Franklin FTSE Brazil ETF	32.64
EWZ	iShares MSCI Brazil ETF	32.94
EWZS	iShares MSCI Brazil Small-Cap ETF	34.43

*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	-0.61%	2.26%	-11.46%
SHY	1-3 Year Treasury Bonds	-0.12%	0.75%	-3.69%
IEF	7-10 Year Treasury Bonds	-0.81%	2.15%	-13.36%
TLT	20+ Year Treasury Bonds	-1.68%	6.19%	-27.27%
TIP	TIPS Bonds	-0.34%	1.60%	-11.61%
FLOT	Floating Rate Bonds	-0.14%	0.34%	0.76%
LQD	Investment Grade Corporate	-1.01%	2.66%	-15.96%
HYG	High Yield Corporate	-0.51%	0.94%	-10.28%
BKLN	Senior Loan	-0.31%	0.15%	-2.08%
PFF	Preferred & Income Securities	-0.32%	-0.15%	-16.58%
MUB	Municipal Bonds	-0.35%	1.37%	-7.02%
MBB	MBS	-0.56%	2.42%	-10.05%
EMB	Dollar Denominated EM Bonds	-0.55%	2.96%	-17.87%
LEMB	Local Currency EM Bond	0.17%	2.44%	-11.38%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	-1.10%	-2.86%	15.85%
DBE	Energy	0.09%	-7.53%	28.87%
USO	WTI Crude Oil	1.80%	-4.29%	21.54%
BNO	Brent Crude Oil	1.53%	-7.95%	26.83%
UNG	Natural Gas	-10.45%	-12.45%	44.12%
UGA	Gasoline	2.42%	-7.01%	29.27%
DBP	Precious Metals	-0.45%	3.18%	-4.09%
GLD	Gold	-0.28%	2.17%	-2.71%
SLV	Silver	-1.17%	9.71%	-1.81%
PPLT	abrdn Physical Platin..	-1.49%	-0.21%	0.96%
PALL	abrdn Physical Palla..	-3.45%	-14.40%	-12.44%
DBB	Base Metals	-0.59%	0.43%	-11.80%
CPER	Copper	-0.22%	3.51%	-16.46%
LD	Lead	-1.06%	-1.69%	-4.55%
JJN	Nickel	-5.44%	5.38%	31.35%
JJU	Aluminum	-0.51%	-2.50%	-16.09%
JJT	Tin	-0.49%	3.36%	-37.09%
DBA	Agriculture	0.03%	-0.62%	0.08%
CORN	Corn	-0.81%	-2.64%	20.01%
SOYB	Soybeans	-0.79%	1.70%	20.75%
WEAT	Wheat	-1.05%	-8.46%	2.44%
CANE	Sugar	0.50%	0.74%	3.91%
BAL	Cotton	2.74%	0.88%	-6.64%
NIB	Cocoa	0.96%	1.60%	-7.76%
JO	Coffee	-0.50%	5.62%	-23.40%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.02%	-1.71%	10.48%
UDN	Short Dollar	0.10%	2.21%	-9.05%
FXE	Euro	0.15%	2.72%	-7.44%
FXB	British Pound Sterling	-0.11%	2.43%	-9.94%
FXF	Swiss Franc	0.49%	2.52%	-2.84%
FXJ	Japanese Yen	-0.16%	2.44%	-16.41%
FXC	Canadian Dollar	0.24%	-1.87%	-7.29%
FXA	Australian Dollar	0.06%	0.35%	-8.10%

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

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