

Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

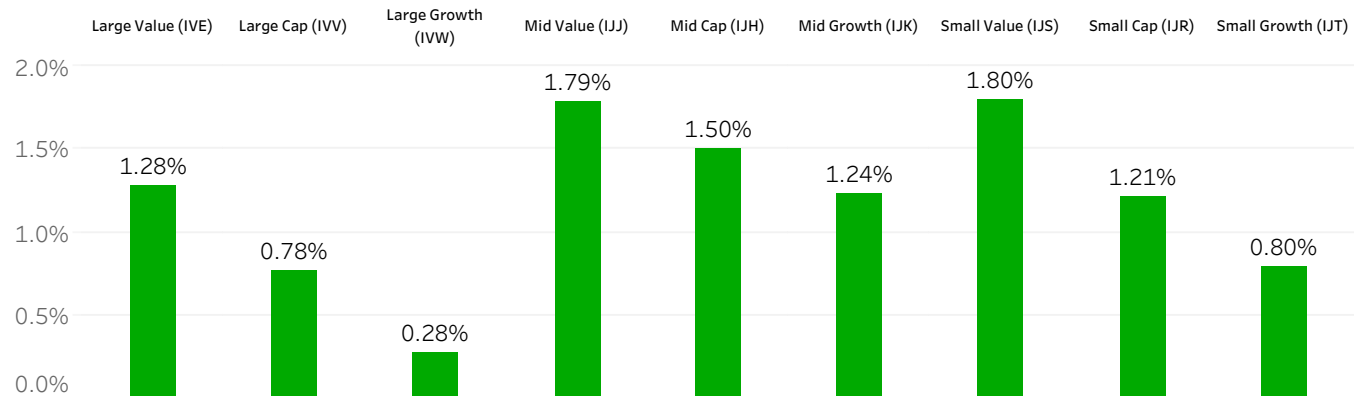


Small Cap Blend (S&P 600) IJR



■ 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
RPV	Invesco S&P 500 Pure Value ETF	2.88%
SPHB	Invesco S&P 500 High Beta ETF	2.83%
RFV	Invesco S&P Midcap 400 Pure Value ETF	2.62%
BUZZ	VanEck Social Sentiment ETF	2.50%
IPO	Renaissance IPO ETF	2.47%
RZV	Invesco S&P Smallcap 600 Pure Value ETF	2.25%
FNK	First Trust Mid Cap Value AlphaDEX Fund	2.21%
DUSA	Davis Select U.S. Equity ETF	2.12%
SDOG	ALPS Sector Dividend Dogs ETF	2.07%
AIEQ	AI Powered Equity ETF	2.05%

Size & Style Most Overbought

Ticker	Fund	Price
ABEQ	Absolute Select Value ETF	59.40
SDOG	ALPS Sector Dividend Dogs ETF	59.10
RPV	Invesco S&P 500 Pure Value ETF	58.99
DUSA	Davis Select U.S. Equity ETF	56.99
CDC	VictoryShares US EQ Income Enhanced Volatility Wtd ETF	56.64
SPHD	Invesco S&P 500 High Dividend Low Volatility ETF	56.59
RZV	Invesco S&P Smallcap 600 Pure Value ETF	56.56
CDL	VictoryShares US Large Cap High Dividend Volatility Wtd ..	56.48
IVE	iShares S&P 500 Value ETF	56.40
RFV	Invesco S&P Midcap 400 Pure Value ETF	56.38

Size & Style 1-Day Performance Laggards

Ticker	Fund	Performance
XVV	iShares ESG Screened S&P 500 ETF	-0.22%
FDMO	Fidelity Momentum Factor ETF	-0.17%
SPMO	Invesco S&P 500 Momentum ETF	-0.16%
WBIG	WBI BullBear Yield 3000 ETF	-0.14%
RECS	Columbia Research Enhanced Core ETF	-0.13%
MTUM	iShares MSCI USA Momentum Factor ETF	-0.09%
OSCV	Opus Small Cap Value ETF	-0.06%
SPC	CrossingBridge Pre-Merger SPAC ETF	-0.02%
QQH	HCM Defender 100 Index ETF	-0.02%
QMOM	Momentumshares US Quantitative Momentum ETF	-0.01%

Size & Style Most Oversold

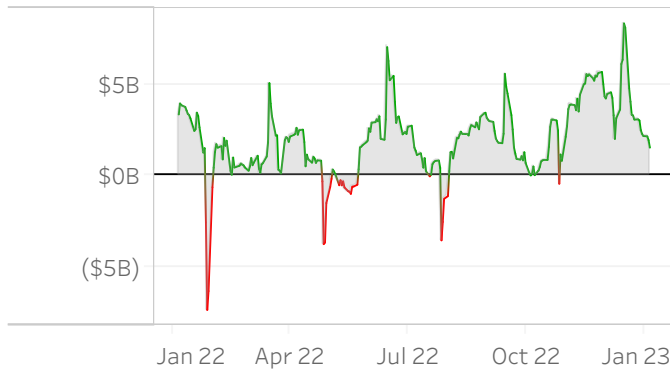
Ticker	Fund	Price
FFTY	Innovator IBD 50 ETF	27.88
QMOM	Momentumshares US Quantitative Momentum E..	29.04
PTLC	Pacer Trendpilot US Large Cap ETF	30.82
WBIG	WBI BullBear Yield 3000 ETF	33.18
RUFF	Alpha Dog ETF	36.89
JEPQ	J.P. Morgan Nasdaq Equity Premium Income ETF	36.95
QQH	HCM Defender 100 Index ETF	37.66
FDMO	Fidelity Momentum Factor ETF	37.73
XSMO	Invesco S&P SmallCap Momentum ETF	37.77
GUSA	Goldman Sachs MarketBeta U.S. 1000 Equity ETF	38.16

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

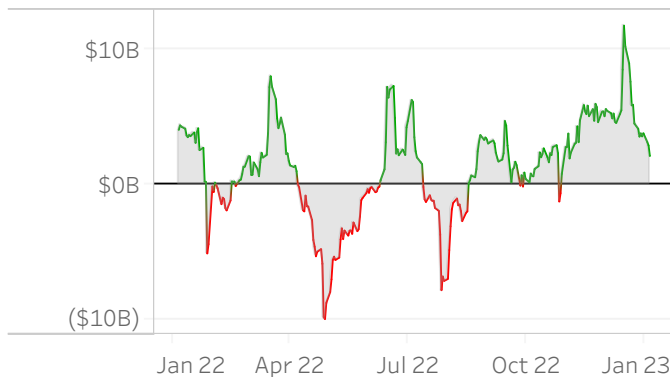
Large-Cap 30-Day Rolling Flows



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	\$1,173B	(\$4.63B)	\$13.14B	\$35.13B	\$60.54B
Large Cap, Beta Growth, Beta: Growth	10	\$212B	(\$0.20B)	\$9.60B	\$15.58B	\$21.47B
Large Cap, Beta Growth, Beta: Value	11	\$222B	(\$0.01B)	\$1.98B	\$2.69B	\$20.56B
Mid Cap, Beta, Beta	10	\$176B	\$0.07B	\$5.34B	\$7.15B	\$11.97B
Mid Cap, Beta, Beta: Growth	6	\$31B	\$0.03B	\$0.63B	\$1.18B	\$0.64B
Mid Cap, Beta, Beta: Value	6	\$40B	(\$0.03B)	\$1.42B	\$1.26B	\$1.90B
Small Cap, Beta, Beta	13	\$185B	(\$0.48B)	\$3.29B	\$3.10B	\$0.98B
Small Cap, Beta, Beta: Growth	7	\$30B	(\$0.06B)	\$1.17B	\$1.00B	\$1.62B
Small Cap, Beta, Beta: Value	7	\$49B	(\$0.02B)	\$1.24B	(\$0.73B)	(\$2.16B)

U.S. Size & Style Flow Leaders

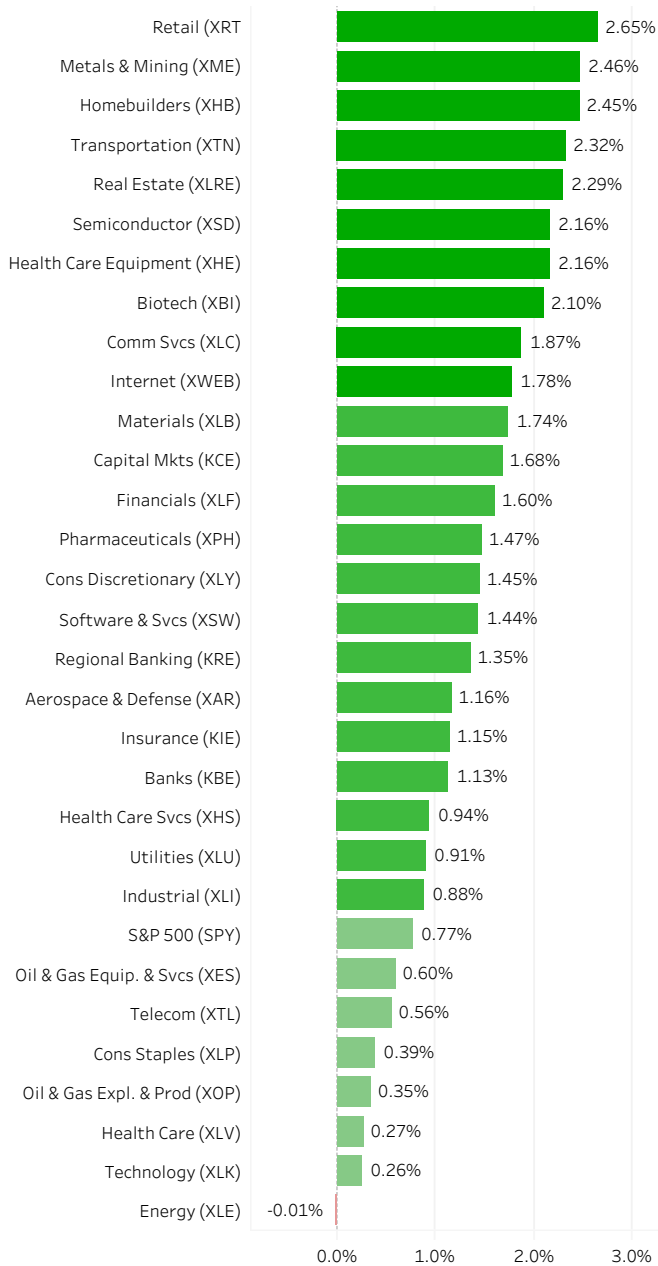
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
VTI	Vanguard Total Stock Market ETF	\$0.30B	\$6.07B	\$13.45B	\$25.56B	\$260.09B
SCHD	Schwab US Dividend Equity ETF	\$0.23B	\$4.50B	\$8.12B	\$15.42B	\$44.74B
VTV	Vanguard Value ETF	\$0.21B	(\$3.41B)	(\$1.64B)	\$11.09B	\$99.32B
IWB	iShares Russell 1000 ETF	\$0.13B	\$1.20B	\$1.13B	\$1.51B	\$27.50B
COWZ	Pacer US Cash Cows 100 ETF	\$0.12B	\$2.57B	\$4.08B	\$9.40B	\$10.24B
VUG	Vanguard Growth ETF	\$0.11B	\$2.28B	\$4.51B	\$9.28B	\$67.78B
SPLV	Invesco S&P 500 Low Volatility ETF	\$0.11B	\$0.17B	\$1.03B	\$2.02B	\$10.87B
QUAL	iShares MSCI USA Quality Factor ETF	\$0.10B	(\$0.32B)	(\$1.71B)	(\$2.33B)	\$17.61B
USSG	Xtrackers MSCI USA ESG Leaders Equity ETF	\$0.10B	\$0.10B	\$0.13B	\$0.09B	\$3.05B
VYM	Vanguard High Dividend Yield Index ETF	\$0.10B	\$1.33B	\$3.12B	\$8.96B	\$50.18B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	(\$2.38B)	\$6.31B	\$5.35B	(\$14.84B)	\$355.01B
QQQ	Invesco QQQ Trust	(\$1.82B)	(\$0.81B)	(\$0.13B)	\$1.29B	\$144.16B
IVV	iShares Core S&P 500 ETF	(\$0.60B)	\$0.96B	\$7.29B	\$20.08B	\$288.03B
IWM	iShares Russell 2000 ETF	(\$0.53B)	\$0.92B	(\$0.64B)	(\$2.69B)	\$51.48B
IWD	iShares Russell 1000 Value ETF	(\$0.27B)	\$1.14B	\$0.64B	(\$0.09B)	\$53.91B
SPYD	SPDR Portfolio S&P 500 High Dividend ETF	(\$0.24B)	(\$0.33B)	(\$0.27B)	\$2.72B	\$7.51B
IWF	iShares Russell 1000 Growth ETF	(\$0.20B)	\$3.03B	\$3.22B	\$3.42B	\$58.65B
VIG	Vanguard Dividend Appreciation ETF	(\$0.14B)	\$1.47B	\$1.67B	\$3.52B	\$65.21B
IJT	iShares S&P Small-Cap 600 Growth ETF	(\$0.11B)	\$0.15B	\$0.35B	\$0.24B	\$5.14B
DFAS	Dimensional U.S. Small Cap ETF	(\$0.06B)	\$0.43B	\$0.63B	\$1.12B	\$4.85B

\* 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	-4.91%	13.29%	0.31%	3.75%	49.29
XLI	Industrial Select Sector SPDR Fund	-5.18%	19.86%	0.83%	5.65%	53.87
XLP	Consumer Staples Select Sector SPDR Fund	-7.46%	12.12%	-0.11%	1.08%	46.84
XLU	Utilities Select Sector SPDR Fund	-8.93%	15.64%	2.25%	-0.17%	54.50
XLE	Energy Select Sector SPDR Fund	-10.30%	35.13%	-4.83%	4.15%	42.87
XLB	Materials Select Sector SPDR Fund	-12.81%	17.28%	-0.28%	0.43%	50.13
XLF	Financial Select Sector SPDR Fund	-15.03%	15.12%	0.54%	3.03%	57.55
SPY	SPDR S&P 500 ETF Trust	-16.85%	7.63%	-1.59%	-3.34%	46.73
XLK	Technology Select Sector SPDR Fund	-24.67%	6.02%	-3.92%	-7.90%	41.60
XLRE	Real Estate Select Sector SPDR Fund	-25.06%	12.29%	0.82%	-7.76%	54.28
XLY	Consumer Discretionary Select Sector SPDR Fund	-32.44%	3.16%	-5.45%	-13.68%	41.67
XLC	Communication Services Select Sector SPDR Fund	-34.91%	9.05%	1.53%	-9.48%	56.34

## Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
FXD	First Trust Consumer Discretionary AlphaDEX Fund	2.97%
KBWY	Invesco KBW Premium Yield Equity REIT ETF	2.96%
RCD	Invesco S&P 500 Equal Weight Consumer Discretio..	2.78%
PEJ	Invesco Dynamic Leisure & Entertainment ETF	2.67%
XRT	SPDR S&P Retail ETF	2.65%
XNTK	SPDR NYSE Technology ETF	2.64%
SOXX	iShares Semiconductor ETF	2.57%
FXZ	First Trust Materials AlphaDEX Fund	2.57%
PNQI	Invesco NASDAQ Internet ETF	2.57%
SOXQ	Invesco PHLX Semiconductor ETF	2.49%

## Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
ITB	iShares U.S. Home Construction ETF	61.37
IHI	iShares U.S. Medical Devices ETF	60.61
KBWB	Invesco KBW Bank ETF	59.50
XAR	SPDR S&P Aerospace & Defense ETF	58.69
XHB	SPDR S&P Homebuilders ETF	58.33
IYZ	iShares U.S. Telecommunications ETF	58.02
IHE	iShares U.S. Pharmaceuticals ETF	57.72
XLF	Financial Select Sector SPDR Fund	57.55
PNQI	Invesco NASDAQ Internet ETF	57.20
PPA	Invesco Aerospace & Defense ETF	57.00

## Sector & Industry 1 Day Performance Laggards

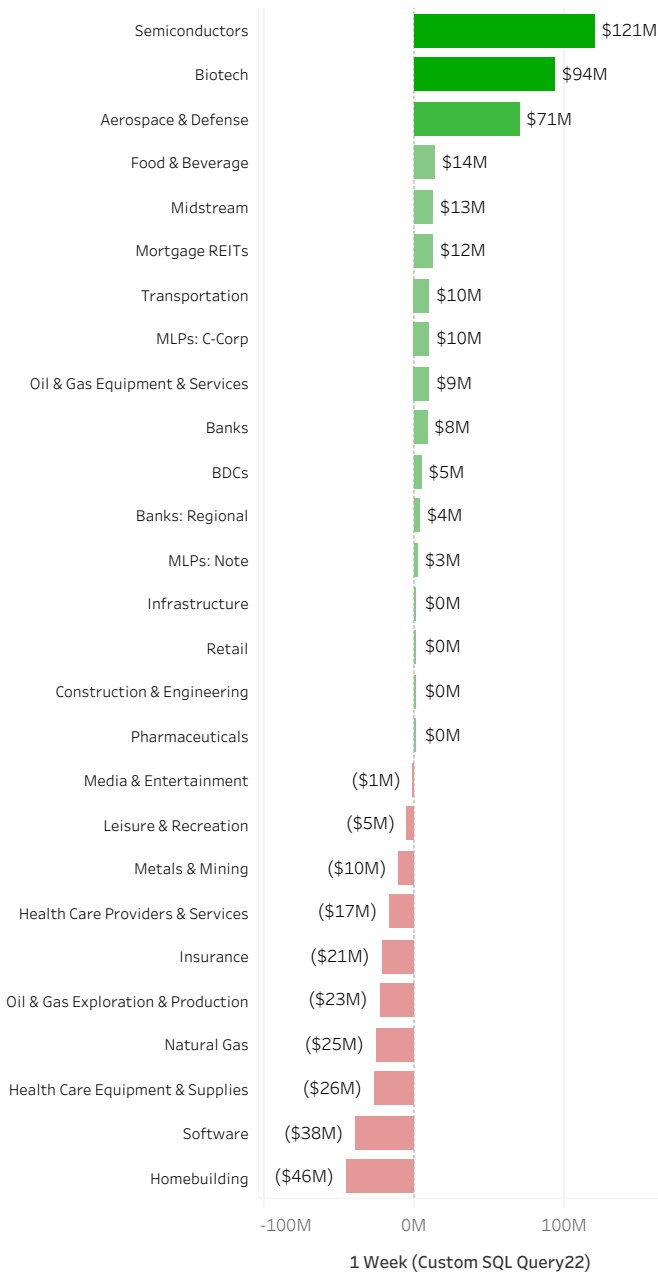
Ticker	Fund	1 Day Performance
IHF	iShares U.S. Healthcare Providers ETF	-0.83%
IGN	iShares North American Tech-Multimedia Networking ..	-0.46%
PXI	Invesco DWA Energy Momentum ETF	-0.42%
PXJ	Invesco Dynamic Oil & Gas Services ETF	-0.41%
PTH	Invesco DWA Healthcare Momentum ETF	-0.32%
MLPA	Global X MLP ETF	-0.10%
PRN	Invesco DWA Industrials Momentum ETF	-0.02%
XLE	Energy Select Sector SPDR Fund	-0.01%
PXE	Invesco Dynamic Energy Exploration & Production ETF	0.04%
IETC	iShares U.S. Tech Independence Focused ETF	0.05%

## Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
PXI	Invesco DWA Energy Momentum ETF	34.92
IHF	iShares U.S. Healthcare Providers ETF	35.73
FXN	First Trust Energy AlphaDEX Fund	36.53
PXE	Invesco Dynamic Energy Exploration & Production ETF	36.91
FCG	First Trust Natural Gas ETF	37.15
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	37.59
FXG	First Trust Consumer Staples AlphaDEX Fund	37.64
PSL	Invesco DWA Consumer Staples Momentum ETF	37.86
PBJ	Invesco Dynamic Food & Beverage ETF	38.48
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	38.72

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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	\$3M	\$283M	(\$278M)	(\$1,321M)
Consumer Discretionary	12	\$19B	(\$109M)	(\$975M)	(\$1,111M)	(\$6,469M)
Consumer Staples	10	\$30B	(\$142M)	\$1,568M	\$2,521M	\$7,888M
Energy	32	\$78B	(\$75M)	\$1,227M	(\$427M)	(\$885M)
Financials	26	\$58B	(\$139M)	\$155M	(\$972M)	(\$13,969M)
Health Care	23	\$96B	(\$261M)	\$3,614M	\$3,336M	\$10,521M
Industrial	13	\$30B	(\$14M)	\$782M	(\$167M)	(\$2,366M)
Materials	9	\$13B	\$3M	(\$329M)	(\$2,430M)	(\$1,520M)
Multi-Sector	19	\$13B	(\$74M)	(\$512M)	(\$2,143M)	(\$7,160M)
Real Estate	25	\$59B	\$172M	\$325M	(\$1,279M)	(\$4,913M)
Technology	23	\$109B	\$48M	\$2,231M	\$1,397M	(\$224M)
Utilities	9	\$26B	\$23M	(\$976M)	\$929M	\$5,378M

## U.S. Sector & Industry Flow Leaders

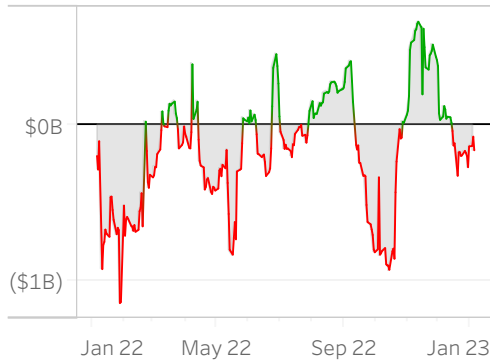
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XBI	SPDR S&P BIOTECH ETF	\$127M	\$1,199M	\$494M	\$3,053M	\$8,033M
SOXX	iShares Semiconductor ETF	\$122M	(\$222M)	(\$343M)	(\$634M)	\$5,749M
VNQ	Vanguard Real Estate ETF	\$100M	(\$301M)	(\$1,252M)	(\$2,525M)	\$33,377M
ITA	iShares U.S. Aerospace & Defense ETF	\$61M	\$524M	\$512M	\$1,959M	\$4,690M
IYZ	iShares U.S. Telecommunications ETF	\$57M	(\$51M)	\$81M	\$27M	\$431M
IYR	iShares U.S. Real Estate ETF	\$55M	\$478M	(\$54M)	(\$1,957M)	\$3,873M
XHB	SPDR S&P Homebuilders ETF	\$40M	(\$171M)	(\$184M)	(\$1,061M)	\$816M
RYT	Invesco S&P 500 Equal Weight Technology ETF	\$39M	\$89M	\$69M	(\$192M)	\$2,024M
XLU	Utilities Select Sector SPDR Fund	\$39M	(\$769M)	\$510M	\$3,718M	\$16,360M
XLK	Technology Select Sector SPDR Fund	\$31M	\$744M	\$1,037M	\$1,145M	\$37,750M

## U.S. Sector & Industry Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLV	Health Care Select Sector SPDR Fund	(\$259M)	\$1,806M	\$2,006M	\$6,957M	\$41,889M
XLP	Consumer Staples Select Sector SPDR Fund	(\$175M)	\$997M	\$1,405M	\$4,303M	\$17,166M
XLF	Financial Select Sector SPDR Fund	(\$113M)	\$657M	(\$28M)	(\$8,204M)	\$31,376M
XLI	Industrial Select Sector SPDR Fund	(\$109M)	\$70M	(\$650M)	(\$2,778M)	\$13,384M
XLY	Consumer Discretionary Select Sector SPDR Fu..	(\$90M)	(\$736M)	(\$536M)	(\$2,584M)	\$12,422M
ITB	iShares U.S. Home Construction ETF	(\$85M)	\$8M	(\$117M)	(\$1,061M)	\$1,348M
VHT	Vanguard Health Care ETF	(\$56M)	\$304M	\$532M	\$815M	\$17,205M
XLE	Energy Select Sector SPDR Fund	(\$42M)	\$2M	(\$217M)	(\$1,780M)	\$39,352M
KIE	SPDR S&P Insurance ETF	(\$41M)	\$7M	(\$100M)	\$55M	\$489M
VGT	Vanguard Information Technology ETF	(\$40M)	\$742M	(\$110M)	\$159M	\$39,012M

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

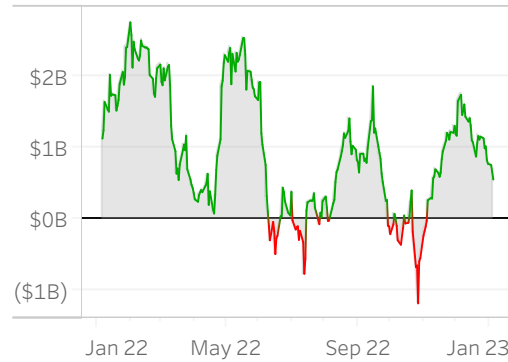
Communication Services



Consumer Discretionary



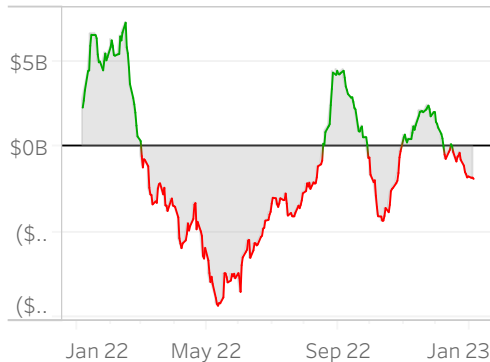
Consumer Staples



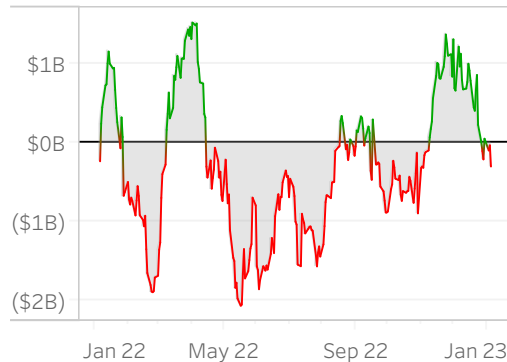
Energy



Financials



Industrial



Health Care



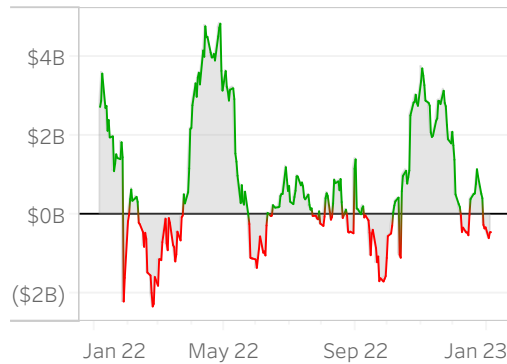
Materials



Real Estate



Technology



Utilities

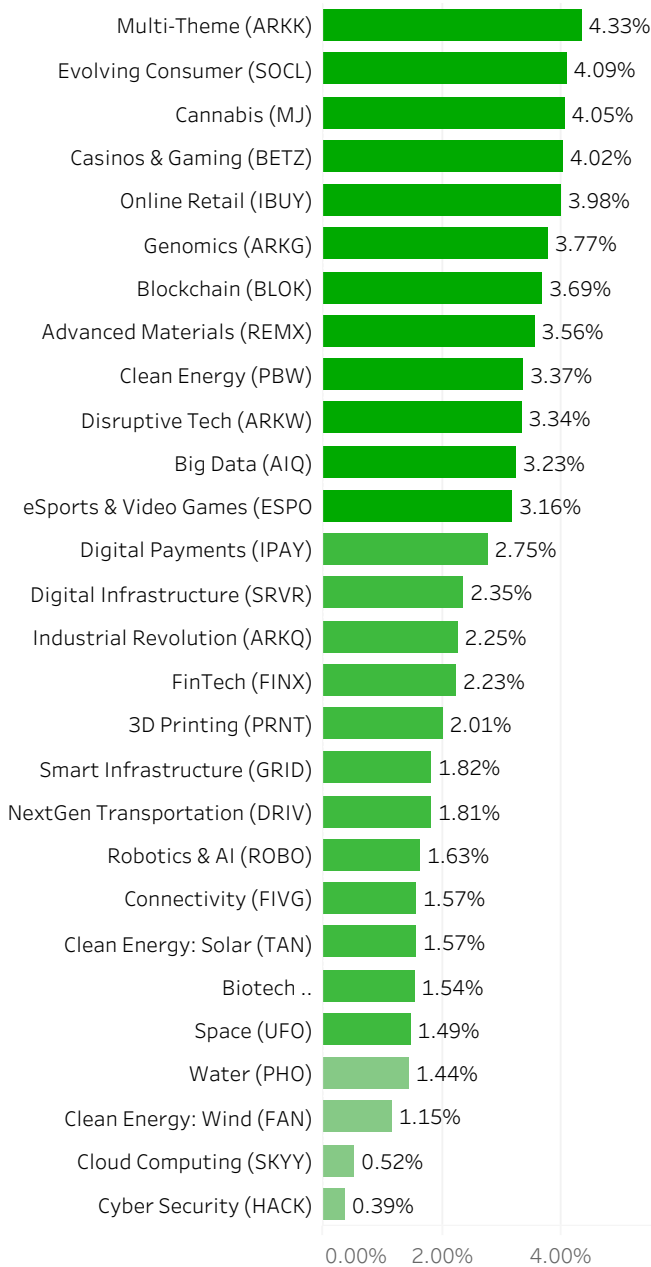


Multi-Sector

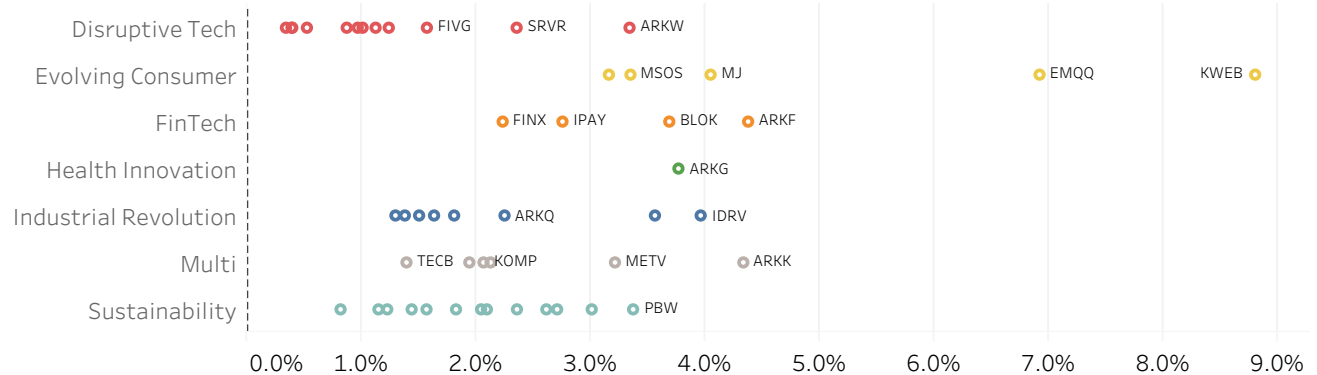


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## Global Thematic Segment 1-Day Performance



## Global Thematic 1-Day Performance Landscape



## Global Thematic 1-Day Performance Leaders

Ticker	Fund	Performance (%)
KWEB	KraneShares CSI China Internet ETF	8.81%
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	6.92%
ONLN	ProShares Online Retail ETF	4.45%
ARKF	ARK Fintech Innovation ETF	4.38%
BLCN	Siren ETF Trust Siren Nasdaq NexGen Economy ETF	4.34%
ARKK	ARK Innovation ETF	4.33%
MJUS	ETFMG U.S. Alternative Harvest ETF	4.26%
SOCL	Global X Social Media ETF	4.09%
MJ	ETFMG Alternative Harvest ETF	4.05%
BETZ	Roundhill Sports Betting & iGaming ETF	4.02%

## Thematic Most Overbought

Ticker	Fund	Price
KWEB	KraneShares CSI China Internet ETF	69.65
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	68.10
SOCL	Global X Social Media ETF	67.37
AWAY	ETFMG Travel Tech ETF	62.32
BJK	VanEck Gaming ETF	60.97
LEGR	First Trust Indxx Innovative Transaction & Process ETF	60.80
FAN	First Trust Global Wind Energy ETF	60.67
VPN	Global X Data Center REITs & Digital Infrastructure ETF	58.08
IRBO	iShares Robotics and Artificial Intelligence Multisector ETF	58.07
ESPO	VanEck Video Gaming and eSports ETF	58.01

## Global Thematic 1-Day Performance Laggards

Ticker	Fund	Performance (%)
SAMT	Strategas Macro Thematic Opportunities ETF	0.28%
CIBR	First Trust NASDAQ Cybersecurity ETF	0.34%
HACK	ETFMG Prime Cyber Security ETF	0.39%
IHAK	iShares Cybersecurity & Tech ETF	0.39%
SKYY	First Trust Cloud Computing ETF	0.52%
HERO	Global X Video Games & Esports ETF	0.53%
KLDW	Knowledge Leaders Developed World ETF	0.69%
ICLN	iShares Global Clean Energy ETF	0.82%
EVX	VanEck Environmental Services ETF	0.84%
BTEC	Principal Healthcare Innovators ETF	0.85%

## Thematic Most Oversold

Ticker	Fund	Price
LIT	Global X Lithium & Battery Tech ETF	31.41
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	34.06
BATT	Amplify Lithium & Battery Technology ETF	35.62
ACES	ALPS Clean Energy ETF	36.49
MSOS	AdvisorShares Pure US Cannabis ETF	36.79
MJUS	ETFMG U.S. Alternative Harvest ETF	38.15
REMX	VanEck Rare Earth/Strategic Metals ETF	38.31
BUG	Global X Cybersecurity ETF	39.07
KARS	KraneShares Electric Vehicles & Future Mobility Index ETF	39.91
MJ	ETFMG Alternative Harvest ETF	39.95

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## Thematic 1 Week Flow Leaders

Ticker	Fund	Flow
KWEB	KraneShares CSI China Internet ETF	\$13M
GTEK	Goldman Sachs Future Tech Leaders Equity ETF	\$11M
SKYY	First Trust Cloud Computing ETF	\$11M
GBUY	Goldman Sachs Future Consumer Equity ETF	\$8M
TMAT	Main Thematic Innovation ETF	\$7M
ARKX	ARK Space Exploration & Innovation ETF	\$6M
TIME	Clockwise Capital Innovation ETF	\$5M
WCLD	WisdomTree Cloud Computing Fund	\$4M
KOMP	SPDR S&P Kensho New Economies Composite ETF	\$4M
RNRG	Global X Renewable Energy Producers ETF	\$2M

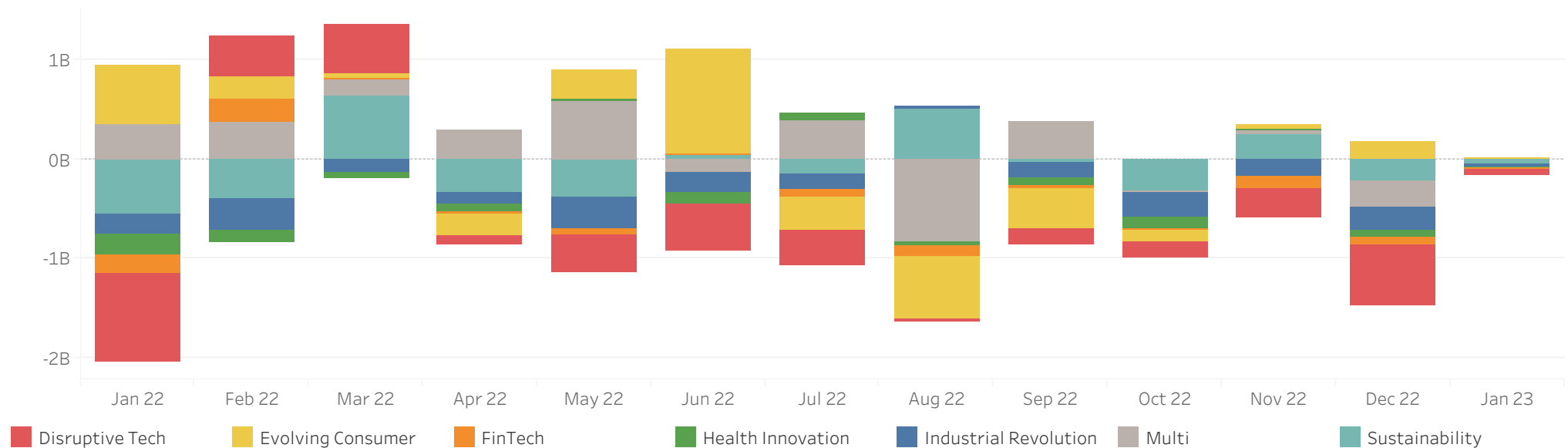
## Thematic 1 Week Flow Laggards

Ticker	Fund	Flow
LIT	Global X Lithium & Battery Tech ETF	(\$63M)
ARKK	ARK Innovation ETF	(\$54M)
TAN	Invesco Solar ETF	(\$41M)
CIBR	First Trust NASDAQ Cybersecurity ETF	(\$35M)
BUG	Global X Cybersecurity ETF	(\$35M)
PBW	Invesco WilderHill Clean Energy ETF	(\$26M)
ICLN	iShares Global Clean Energy ETF	(\$26M)
MSOS	AdvisorShares Pure US Cannabis ETF	(\$21M)
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	(\$18M)
ARKF	ARK Fintech Innovation ETF	(\$17M)

## Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	35	\$15B	(\$76M)	(\$1,155M)	(\$1,614M)	(\$2,586M)
Evolving Consumer	46	\$10B	\$1M	\$143M	(\$1,335M)	\$723M
FinTech	21	\$2B	(\$21M)	(\$228M)	(\$441M)	(\$490M)
Health Innovation	19	\$3B	(\$27M)	(\$185M)	(\$247M)	(\$754M)
Industrial Revolution	32	\$10B	(\$26M)	(\$656M)	(\$949M)	(\$2,272M)
Multi	41	\$12B	(\$53M)	(\$360M)	(\$250M)	\$1,343M
Sustainability	40	\$17B	(\$72M)	(\$339M)	\$70M	(\$995M)
Grand Total	234	\$69B	(\$273M)	(\$2,780M)	(\$4,765M)	(\$5,031M)

## Thematic Monthly Flows

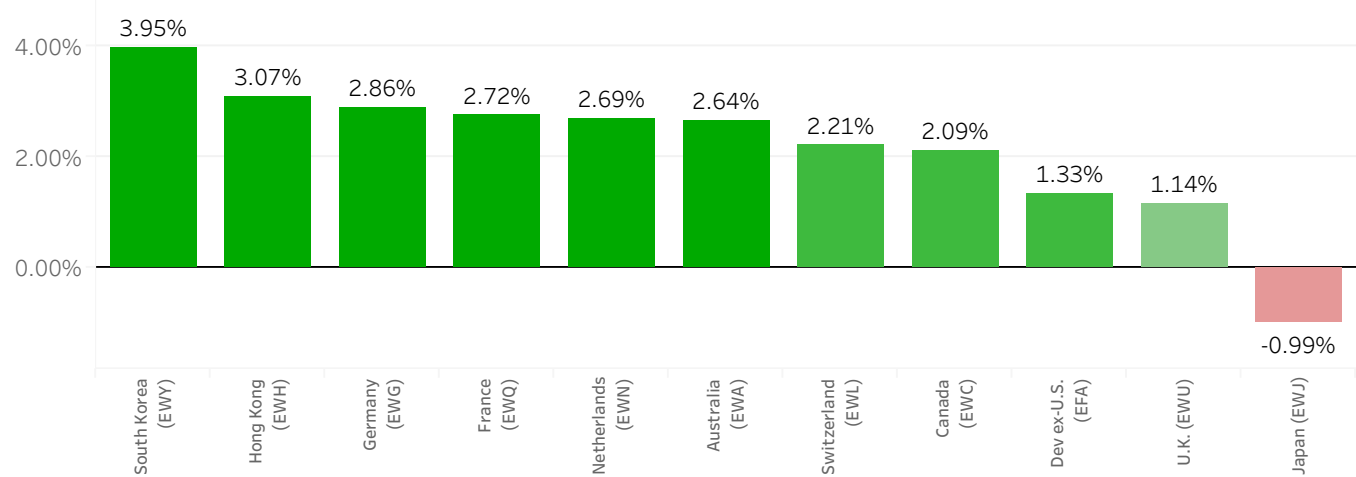


\* ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day

Developed ex-U.S. (EFA)



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



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



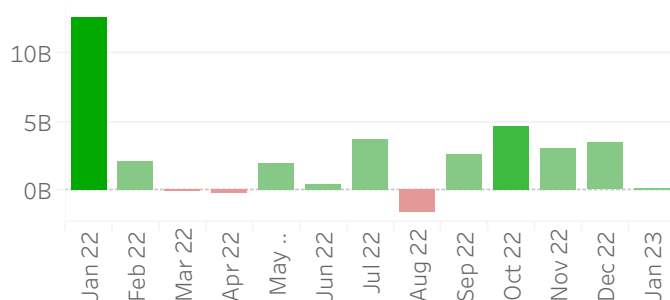
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
AIA	iShares Asia 50 ETF	5.48%
MINV	Matthews Asia Innovators Active ETF	5.18%
EWY	iShares MSCI South Korea ETF	3.95%
FLKR	Franklin FTSE South Korea ETF	3.71%
AAXJ	iShares MSCI All Country Asia ex Japan ETF	3.43%
FSZ	First Trust Switzerland AlphaDEX Fund	3.30%
EIRL	iShares MSCI Ireland ETF	3.21%
EWH	iShares MSCI Hong Kong ETF	3.07%
EWG	iShares MSCI Germany ETF	2.86%
FEZ	SPDR EURO STOXX 50 ETF	2.75%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
EWH	iShares MSCI Hong Kong ETF	68.90
IMFL	Invesco International Developed Dynamic Multifactor ETF	68.28
EDEN	iShares MSCI Denmark ETF	68.05
FSZ	First Trust Switzerland AlphaDEX Fund	67.96
EIRL	iShares MSCI Ireland ETF	67.90
EWP	iShares MSCI Spain ETF	67.52
AIA	iShares Asia 50 ETF	67.51
FDD	First Trust Stoxx European Select Dividend Index Fund	66.33
MINV	Matthews Asia Innovators Active ETF	65.92
EWG	iShares MSCI Germany ETF	65.28

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
SCJ	iShares MSCI Japan Small-Cap ETF	-1.90%
DFJ	WisdomTree Japan SmallCap Dividend Fund	-1.86%
FLJP	Franklin FTSE Japan ETF	-1.20%
JPXN	iShares JPX-Nikkei 400 ETF	-1.19%
NORW	Global X MSCI Norway ETF	-1.05%
EWJV	iShares MSCI Japan Value ETF	-1.05%
BBJP	JPMorgan BetaBuilders Japan ETF	-1.00%
EWJ	iShares MSCI Japan ETF	-0.99%
FJP	First Trust Japan AlphaDEX Fund	-0.95%
IMOM	Alpha Architect International Quantitative Momentum ETF	-0.79%

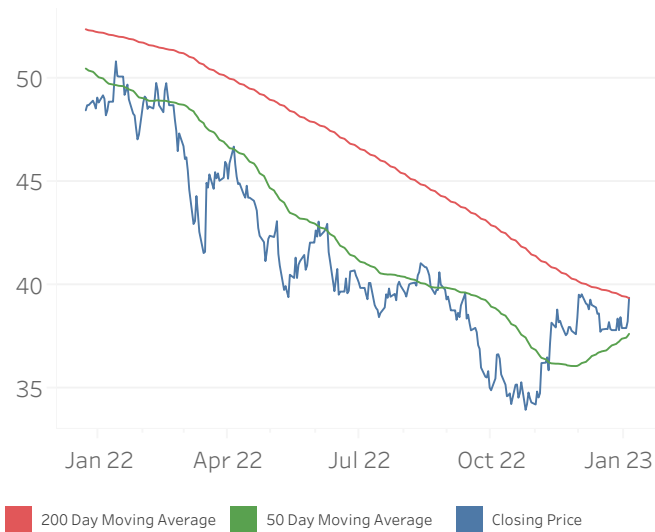
Developed ex-U.S. Most Oversold

Ticker	Fund	Value
HEWJ	iShares Currency Hedged MSCI Japan ETF	18.50
IVAL	Alpha Architect International Quantitative Value ETF	26.13
IMOM	Alpha Architect International Quantitative Momentum..	29.06
DXJ	WisdomTree Japan Hedged Equity Fund	34.41
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	36.01
NORW	Global X MSCI Norway ETF	36.22
EIS	iShares MSCI Israel ETF	37.63
HSCZ	iShares Currency Hedged MSCI EAFE Small-Cap ETF	38.42
HEFA	iShares Currency Hedged MSCI EAFE ETF	41.24
ISRA	VanEck Israel ETF	43.12

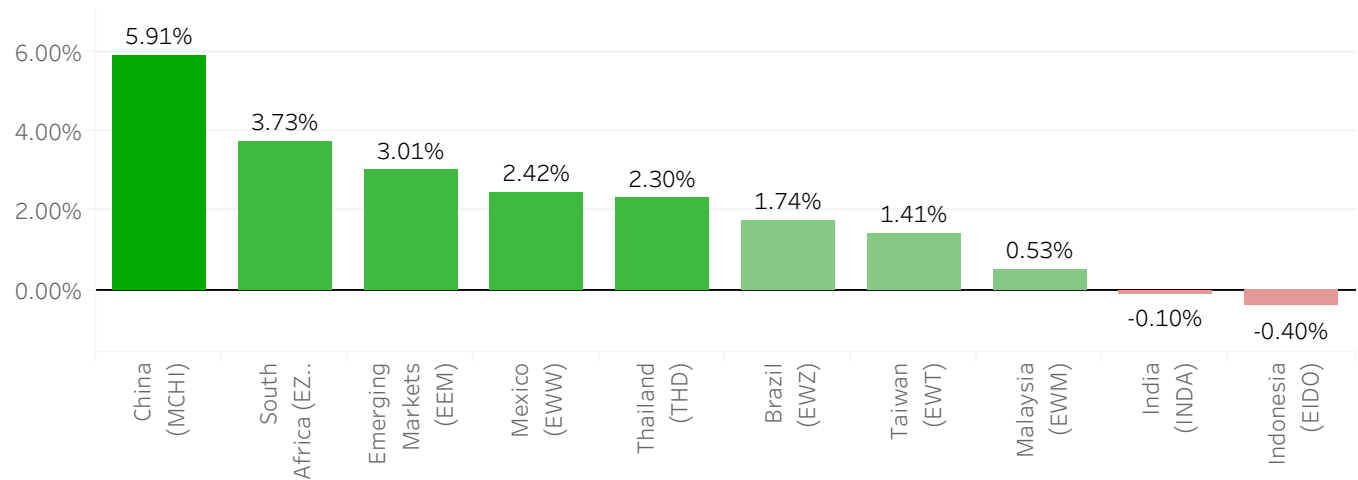
\* ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day



Emerging (EEM)



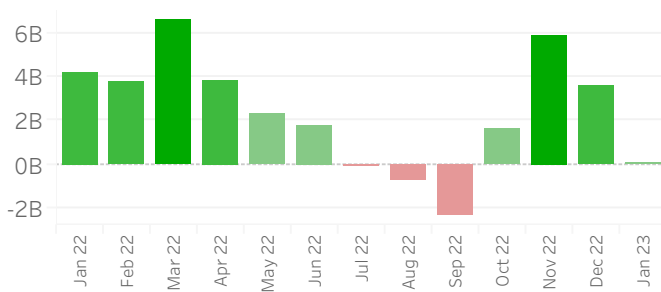
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
PGJ	Invesco Golden Dragon China ETF	8.66%
FXI	iShares China Large-Cap ETF	6.38%
FNI	First Trust Chindia ETF	6.01%
FLCH	Franklin FTSE China ETF	5.94%
MCHI	iShares MSCI China ETF	5.91%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	5.43%
GXC	SPDR S&P China ETF	4.99%
ECNS	iShares MSCI China Small-Cap ETF	4.85%
ADRE	Invesco BLDRS Emerging Markets 50 ADR Index Fund	4.33%
EZA	iShares MSCI South Africa ETF	3.73%

Emerging Most Overbought

Ticker	Fund	Price
THD	iShares MSCI Thailand ETF	71.48
EPOL	iShares MSCI Poland ETF	71.41
MCHI	iShares MSCI China ETF	69.31
FXI	iShares China Large-Cap ETF	68.59
PGJ	Invesco Golden Dragon China ETF	68.43
FLCH	Franklin FTSE China ETF	68.10
GXC	SPDR S&P China ETF	67.41
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	67.18
ECNS	iShares MSCI China Small-Cap ETF	66.98
FNI	First Trust Chindia ETF	66.89

Emerging 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
ECH	iShares MSCI Chile ETF	-1.10%
TUR	iShares MSCI Turkey ETF	-0.85%
GLIN	VanEck India Growth Leaders ETF	-0.67%
EPI	WisdomTree India Earnings Fund	-0.64%
FLIN	Franklin FTSE India ETF	-0.58%
KSA	iShares MSCI Saudi Arabia ETF	-0.57%
EIDO	iShares MSCI Indonesia ETF	-0.40%
NFTY	First Trust India NIFTY 50 Equal Weight ETF	-0.18%
INDY	iShares India 50 ETF	-0.14%
SMIN	iShares MSCI India Small Cap ETF	-0.13%

Emerging Most Oversold

Ticker	Fund	Price
PIN	Invesco India ETF	26.51
FLBR	Franklin FTSE Brazil ETF	36.14
EWZ	iShares MSCI Brazil ETF	36.41
ILF	iShares Latin America 40 ETF	36.60
EWT	iShares MSCI Taiwan ETF	37.07
FBZ	First Trust Brazil AlphaDEX Fund	37.57
FLLA	Franklin FTSE Latin America ETF	38.02
FLN	First Trust Latin America AlphaDEX Fund	38.63
EWZS	iShares MSCI Brazil Small-Cap ETF	38.89
KBA	KraneShares Bosera MSCI China A 50 Connect Index ..	38.96

\*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	0.55%	-0.97%	1.14%
SHY	1-3 Year Treasury Bonds	0.10%	0.11%	0.18%
IEF	7-10 Year Treasury Bonds	0.77%	-1.24%	1.56%
TLT	20+ Year Treasury Bonds	1.37%	-3.73%	3.30%
TIP	TIPS Bonds	0.07%	-2.67%	0.42%
FLOT	Floating Rate Bonds	0.02%	0.74%	0.06%
LQD	Investment Grade Corporate	0.73%	-1.98%	1.42%
HYG	High Yield Corporate	1.15%	-0.72%	1.34%
BKLN	Senior Loan	0.53%	0.18%	0.97%
PFF	Preferred & Income Securities	2.12%	-2.21%	2.62%
MUB	Municipal Bonds	0.32%	0.21%	0.69%
MBB	MBS	0.67%	-0.77%	1.14%
EMB	Dollar Denominated EM Bonds	1.22%	-1.25%	1.67%
LEMB	Local Currency EM Bond	0.38%	0.23%	0.20%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	-2.03%	-5.45%	-4.30%
DBE	Energy	-2.85%	-9.26%	-6.75%
USO	WTI Crude Oil	-4.94%	-7.93%	-8.29%
BNO	Brent Crude Oil	-5.31%	-9.16%	-9.16%
UNG	Natural Gas	3.52%	-30.66%	-6.17%
UGA	Gasoline	-4.14%	-1.49%	-8.73%
DBP	Precious Metals	0.69%	2.99%	1.15%
GLD	Gold	0.94%	3.23%	1.79%
SLV	Silver	-0.73%	2.82%	-0.59%
PPLT	abrdn Physical Platin..	-0.51%	6.05%	0.78%
PALL	abrdn Physical Palla..	5.04%	-5.75%	0.68%
DBB	Base Metals	-0.98%	-5.66%	-1.59%
CPER	Copper	-0.57%	-2.75%	-1.86%
LD	Lead	-1.19%	5.23%	-1.15%
JJN	Nickel	-5.91%	4.30%	-2.28%
JJU	Aluminum	-1.92%	-11.68%	-5.64%
JJT	Tin	-0.67%	7.04%	0.14%
DBA	Agriculture	-1.20%	-0.37%	-2.28%
CORN	Corn	-1.95%	1.01%	-3.04%
SOYB	Soybeans	-0.71%	2.13%	-2.35%
WEAT	Wheat	-3.94%	-2.33%	-5.39%
CANE	Sugar	-0.47%	0.77%	-1.82%
BAL	Cotton	-2.98%	-2.98%	-3.50%
NIB	Cocoa	2.08%	3.42%	0.72%
JO	Coffee	-3.53%	-1.21%	-4.15%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	-0.36%	0.09%	0.72%
UDN	Short Dollar	0.33%	0.42%	-0.70%
FXE	Euro	0.43%	0.65%	-0.98%
FXB	British Pound Sterling	0.57%	-1.72%	-0.16%
FXF	Swiss Franc	0.66%	0.76%	-0.61%
FXJ	Japanese Yen	-1.28%	1.30%	-1.04%
FXC	Canadian Dollar	1.40%	-0.02%	0.41%
FXA	Australian Dollar	1.66%	0.56%	0.43%

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