

### Large Cap Blend (S&P 500) IVV



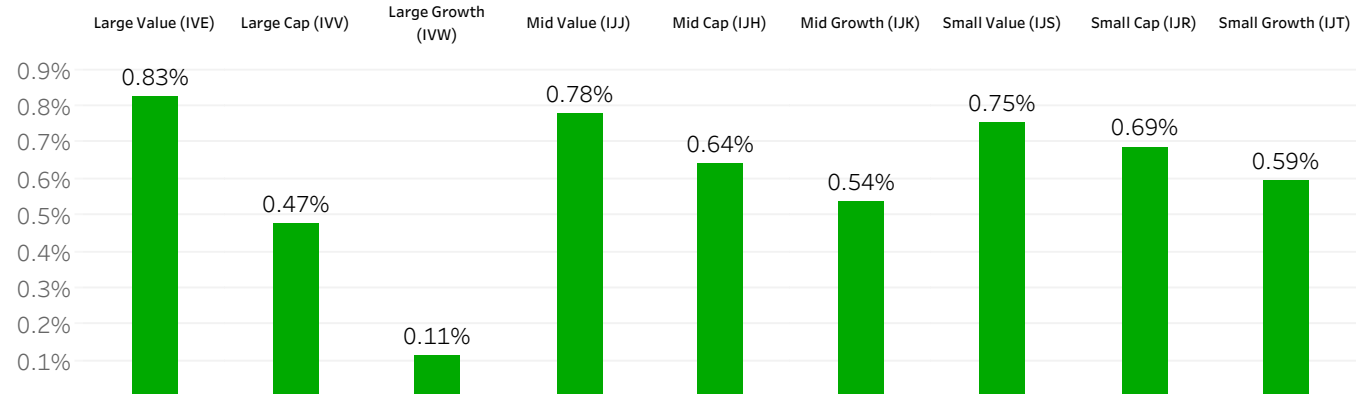
### Mid Cap Blend (S&P 400) IJH



### Small Cap Blend (S&P 600) IJR



### U.S. Size & Style 1-Day Performance



### Size & Style 1-Day Performance Leaders

Ticker	Fund	Performance
USNZ	Xtrackers Net Zero Pathway Paris Aligned US Equity ETF	6.22%
XRLV	Invesco S&P 500 ex-Rate Sensitive Low Volatility ETF	1.46%
ALTL	Pacer Lunt Large Cap Alternator ETF	1.42%
SPLV	Invesco S&P 500 Low Volatility ETF	1.36%
REGL	ProShares S&P MidCap 400 Dividend Aristocrats ETF	1.27%
DVOL	First Trust Dorsey Wright Momentum & Low Volatility E..	1.26%
PSC	Principal U.S. Small-Cap Multi-Factor ETF	1.24%
XMLV	Invesco S&P MidCap Low Volatility ETF	1.21%
HUSV	First Trust Horizon Managed Volatility Domestic ETF	1.21%
LVHD	Franklin U.S. Low Volatility High Dividend Index ETF	1.21%

### Size & Style Most Overbought

Ticker	Fund	Value
PTLC	Pacer Trendpilot US Large Cap ETF	79.55
USNZ	Xtrackers Net Zero Pathway Paris Aligned US Equity ETF	74.14
SPC	CrossingBridge Pre-Merger SPAC ETF	73.41
PTMC	Pacer Trendpilot US Mid Cap ETF	72.18
DJD	Invesco Dow Jones Industrial Average Dividend ETF	70.21
DEIF	Sterling Capital Diverse Multi-Manager Active ETF	69.75
DURA	VanEck Durable High Dividend ETF	68.74
PWC	Invesco Dynamic Market ETF	67.70
SIXS	ETC 6 Meridian Small Cap Equity ETF	67.49
EDOW	First Trust Dow 30 Equal Weight ETF	66.84

### Size & Style 1-Day Performance Laggards

Ticker	Fund	Performance
SURE	AdvisorShares Insider Advantage ETF	-2.15%
NZUS	SPDR MSCI USA Climate Paris Aligned ETF	-1.78%
ISMD	Inspire Small/Mid Cap ETF	-1.67%
IPO	Renaissance IPO ETF	-1.48%
BUZZ	VanEck Social Sentiment ETF	-0.99%
TMFM	Motley Fool Mid-Cap Growth ETF	-0.62%
FFTY	Innovator IBD 50 ETF	-0.59%
QVAL	Alpha Architect U.S. Quantitative Value ETF	-0.51%
RPHS	Regents Park Hedged Market Strategy ETF	-0.29%
COWZ	Pacer US Cash Cows 100 ETF	-0.23%

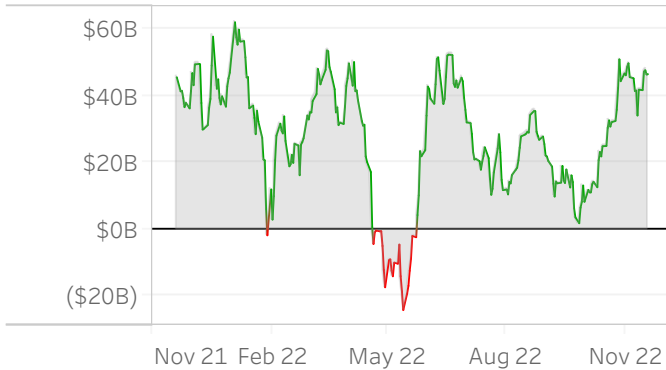
### Size & Style Most Oversold

Ticker	Fund	Value
GUSA	Goldman Sachs MarketBeta U.S. 1000 Equity ETF	29.82
IPO	Renaissance IPO ETF	44.71
LSAT	Leadershars Alphafactor Tactical Focused ETF	46.92
FFTY	Innovator IBD 50 ETF	47.61
WBIG	WBI BullBear Yield 3000 ETF	48.91
FPX	First Trust US Equity Opportunities ETF	49.42
AIEQ	AI Powered Equity ETF	50.68
RPHS	Regents Park Hedged Market Strategy ETF	50.98
QMOM	Alpha Architect U.S. Quantitative Momentum ETF	51.47
BUZZ	VanEck Social Sentiment ETF	51.56

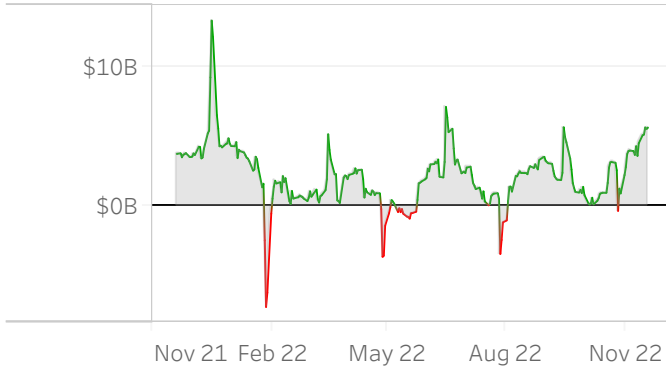
■ Closing Price    
 ■ 50 Day Moving Average    
 ■ 200 Day Moving Average

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

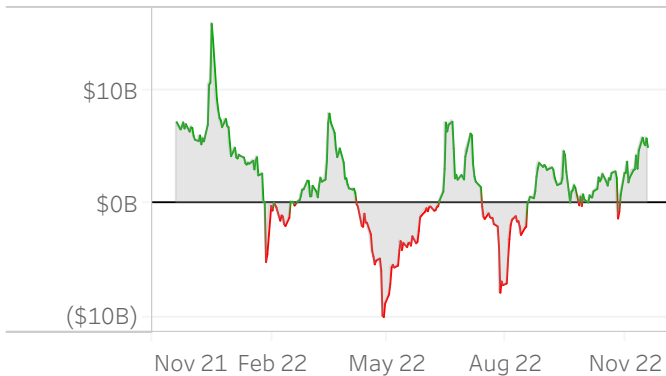
### Large-Cap 30-Day Rolling Flows



### 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	\$1,236B	\$2.58B	\$33.66B	\$72.59B	\$113.87B
Large Cap, Beta Growth, Beta: Growth	10	\$221B	\$1.42B	\$3.77B	\$13.81B	\$21.48B
Large Cap, Beta Growth, Beta: Value	11	\$224B	(\$0.39B)	\$4.24B	\$6.14B	\$23.07B
Mid Cap, Beta, Beta	10	\$180B	\$0.44B	\$3.95B	\$6.81B	\$13.94B
Mid Cap, Beta, Beta: Growth	6	\$33B	\$0.29B	\$0.08B	\$1.47B	\$0.90B
Mid Cap, Beta, Beta: Value	6	\$41B	\$0.23B	\$1.39B	\$1.97B	\$1.74B
Small Cap, Beta, Beta	13	\$194B	\$0.55B	\$3.39B	\$5.01B	\$2.63B
Small Cap, Beta, Beta: Growth	7	\$31B	(\$0.02B)	\$0.04B	\$0.66B	\$1.52B
Small Cap, Beta, Beta: Value	7	\$50B	\$0.13B	\$0.82B	(\$0.11B)	(\$2.19B)

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

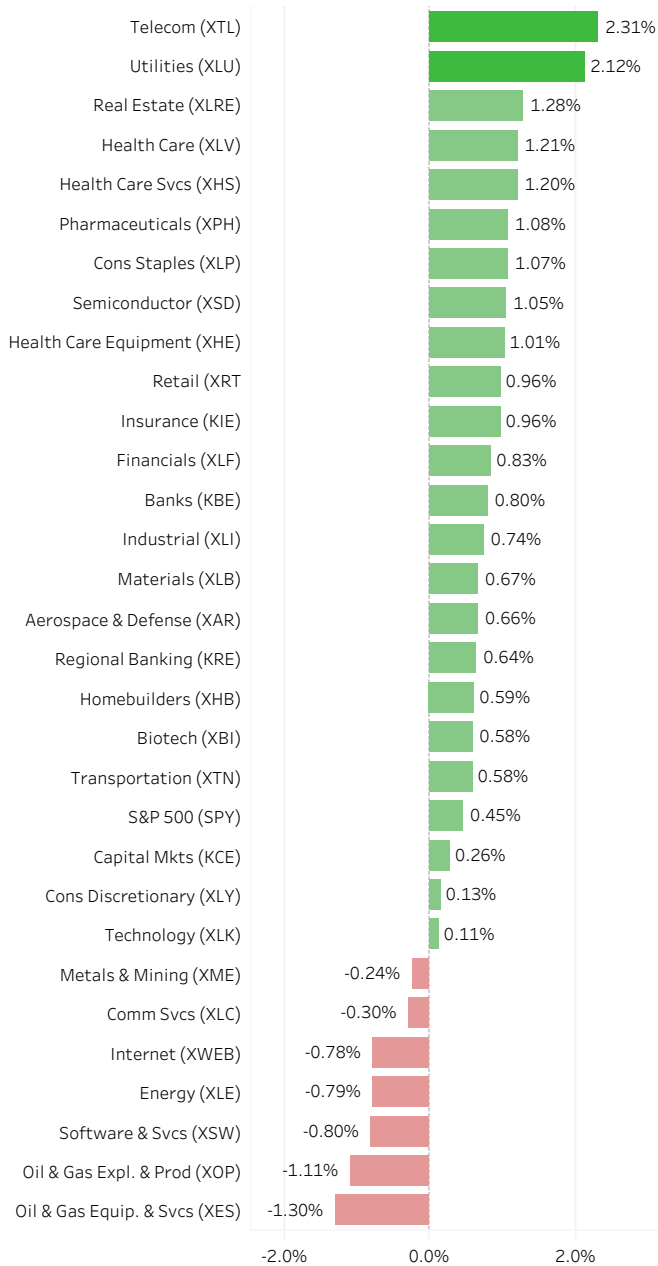
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IVV	iShares Core S&P 500 ETF	\$1.25B	\$5.39B	\$16.03B	\$27.09B	\$300.75B
VOO	Vanguard S&P 500 ETF	\$0.91B	\$10.48B	\$26.10B	\$41.35B	\$273.00B
SPYG	SPDR Portfolio S&P 500 Growth ETF	\$0.68B	(\$0.72B)	\$2.39B	\$2.41B	\$13.85B
SPLV	Invesco S&P 500 Low Volatility ETF	\$0.56B	(\$1.36B)	\$0.68B	\$2.20B	\$10.77B
MDYG	SPDR S&P 400 Mid Cap Growth ETF	\$0.45B	(\$0.09B)	\$0.58B	\$0.06B	\$2.03B
SCHD	Schwab US Dividend Equity ETF	\$0.42B	\$3.99B	\$7.27B	\$13.03B	\$42.98B
VUG	Vanguard Growth ETF	\$0.40B	\$1.40B	\$4.95B	\$9.25B	\$71.58B
VTI	Vanguard Total Stock Market ETF	\$0.37B	\$7.68B	\$13.19B	\$30.81B	\$267.58B
IJH	iShares Core S&P Mid-Cap ETF	\$0.31B	\$2.12B	\$3.33B	\$5.37B	\$64.60B
IWM	iShares Russell 2000 ETF	\$0.30B	\$1.94B	\$1.37B	(\$3.63B)	\$55.02B

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

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
GSLC	Goldman Sachs ActiveBeta U.S. Large Cap Eq..	(\$0.72B)	(\$1.05B)	(\$0.89B)	(\$1.46B)	\$10.60B
SPYD	SPDR Portfolio S&P 500 High Dividend ETF	(\$0.42B)	(\$0.18B)	\$0.00B	\$2.70B	\$7.58B
MTUM	iShares MSCI USA Momentum Factor ETF	(\$0.39B)	\$1.84B	\$1.53B	(\$1.00B)	\$12.26B
VTV	Vanguard Value ETF	(\$0.38B)	\$1.11B	\$3.37B	\$15.28B	\$103.22B
DGRO	iShares Core Dividend Growth ETF	(\$0.34B)	\$0.34B	\$1.29B	\$4.08B	\$24.15B
DIA	SPDR Dow Jones Industrial Average ETF Trust	(\$0.29B)	\$0.92B	\$1.24B	\$1.97B	\$30.24B
IWD	iShares Russell 1000 Value ETF	(\$0.28B)	\$0.77B	\$0.53B	\$0.40B	\$53.97B
OEF	iShares S&P 100 ETF	(\$0.18B)	(\$0.33B)	(\$0.11B)	\$0.20B	\$7.48B
RSP	Invesco S&P 500 Equal Weight ETF	(\$0.13B)	\$1.51B	\$1.80B	\$5.31B	\$32.84B
VB	Vanguard Small-Cap ETF	(\$0.11B)	\$0.33B	(\$0.08B)	\$0.33B	\$41.82B

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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)
XLE	Energy Select Sector SPDR Fund	-2.60%	72.85%	9.79%	16.49%	58.25
XLV	Health Care Select Sector SPDR Fund	-5.78%	12.24%	5.45%	3.46%	62.90
XLI	Industrial Select Sector SPDR Fund	-7.11%	20.04%	9.78%	5.67%	67.00
XLP	Consumer Staples Select Sector SPDR Fund	-7.31%	12.30%	5.93%	1.48%	65.81
XLB	Materials Select Sector SPDR Fund	-11.72%	18.82%	9.34%	0.89%	63.85
XLU	Utilities Select Sector SPDR Fund	-11.87%	11.91%	1.64%	-3.09%	56.75
XLF	Financial Select Sector SPDR Fund	-14.61%	16.77%	7.93%	2.69%	62.49
SPY	SPDR S&P 500 ETF Trust	-17.10%	11.07%	4.75%	-2.09%	58.92
XLK	Technology Select Sector SPDR Fund	-25.23%	13.32%	5.32%	-4.31%	58.17
XLRE	Real Estate Select Sector SPDR Fund	-26.56%	12.67%	3.30%	-10.36%	57.54
XLY	Consumer Discretionary Select Sector SPDR Fund	-32.96%	6.78%	-2.72%	-10.56%	48.29
XLC	Communication Services Select Sector SPDR Fund	-37.20%	9.07%	0.21%	-14.21%	52.63

### Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
IGN	iShares North American Tech-Multimedia Network..	3.51%
PTH	Invesco DWA Healthcare Momentum ETF	2.54%
XTL	SPDR S&P Telecom ETF	2.31%
RYU	Invesco S&P 500 Equal Weight Utilities ETF	2.30%
NURE	Nuveen Short-Term REIT ETF	2.25%
FXU	First Trust Utilities AlphaDEX Fund	2.16%
XLU	Utilities Select Sector SPDR Fund	2.12%
VPU	Vanguard Utilities ETF	2.11%
FUTY	Fidelity MSCI Utilities Index ETF	2.11%
IHF	iShares U.S. Healthcare Providers ETF	2.03%

### Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
XLI	Industrial Select Sector SPDR Fund	67.00
AIRR	First Trust RBA American Industrial Renaissance ETF	66.50
FBT	First Trust NYSE Arca Biotechnology Index Fund	66.13
XLP	Consumer Staples Select Sector SPDR Fund	65.81
PSL	Invesco DWA Consumer Staples Momentum ETF	65.52
VDC	Vanguard Consumer Staples ETF	65.26
VIS	Vanguard Industrials ETF	64.98
FIDU	Fidelity MSCI Industrial Index ETF	64.88
FSTA	FIDELITY COVINGTON TRUST MSCI CONSUMER STAPLES..	64.85
PAVE	Global X U.S. Infrastructure Development ETF	64.41

### Sector & Industry 1 Day Performance Laggards

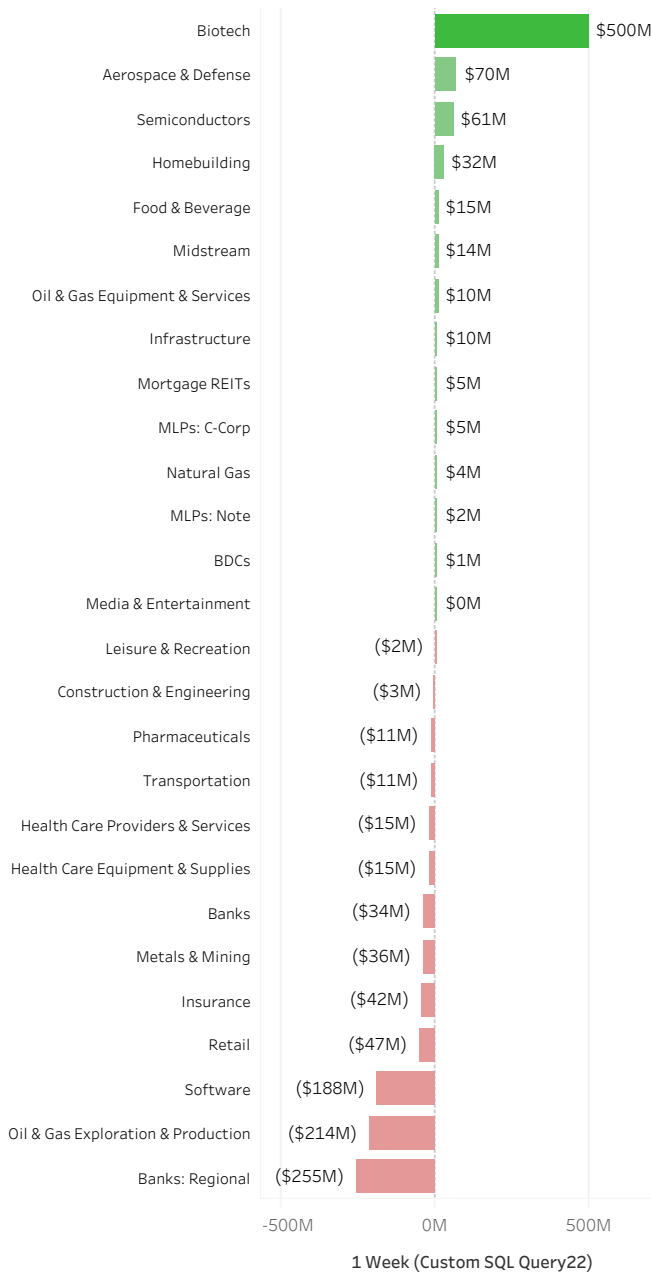
Ticker	Fund	1 Day Performance
XES	SPDR S&P Oil & Gas Equipment & Services ETF	-1.30%
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	-1.28%
FCG	First Trust Natural Gas ETF	-1.17%
PXE	Invesco Dynamic Energy Exploration & Production ETF	-1.11%
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	-1.11%
FTXN	First Trust Nasdaq Oil & Gas ETF	-1.01%
PNQI	Invesco NASDAQ Internet ETF	-0.92%
PXI	Invesco DWA Energy Momentum ETF	-0.91%
RYE	Invesco S&P 500 Equal Weight Energy ETF	-0.88%
VDE	Vanguard Energy ETF	-0.81%

### Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
XHS	SPDR S&P Health Care Services ETF	43.73
PTH	Invesco DWA Healthcare Momentum ETF	47.06
XSW	SPDR S&P Software & Services ETF	47.70
XLY	Consumer Discretionary Select Sector SPDR Fund	48.29
XBI	SPDR S&P BIOTECH ETF	49.47
FDN	First Trust Dow Jones Internet Index Fund	49.58
KRE	SPDR S&P Regional Banking ETF	49.75
FDIS	Fidelity MSCI Consumer Discretionary Index ETF	49.88
VCR	Vanguard Consumer Discretionary ETF	49.95
IHF	iShares U.S. Healthcare Providers ETF	49.95

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### U.S. Sector & Industry 1-Week Flows



### U.S. Sector Landscape

	Funds	AUM	1 Week	3 Month	6 Month	1 Year
<b>Communication Services</b>	7	\$12B	(\$196M)	(\$391M)	(\$173M)	(\$1,696M)
<b>Consumer Discretionary</b>	12	\$21B	(\$156M)	(\$238M)	(\$547M)	(\$5,722M)
<b>Consumer Staples</b>	10	\$29B	\$271M	\$799M	\$1,846M	\$8,448M
<b>Energy</b>	33	\$86B	(\$273M)	\$1,488M	(\$1,154M)	\$3,335M
<b>Financials</b>	26	\$61B	\$108M	\$102M	(\$2,248M)	(\$10,464M)
<b>Health Care</b>	23	\$95B	\$601M	\$1,547M	\$5,382M	\$12,850M
<b>Industrial</b>	13	\$30B	\$5M	(\$80M)	(\$688M)	(\$2,649M)
<b>Materials</b>	9	\$13B	\$8M	(\$991M)	(\$2,564M)	(\$1,783M)
<b>Multi-Sector</b>	19	\$13B	(\$12M)	(\$708M)	(\$1,920M)	(\$5,945M)
<b>Real Estate</b>	25	\$60B	(\$150M)	(\$596M)	(\$2,736M)	(\$2,799M)
<b>Technology</b>	23	\$117B	\$535M	\$910M	\$1,828M	\$2,815M
<b>Utilities</b>	9	\$25B	(\$102M)	\$149M	\$1,639M	\$5,157M

### U.S. Sector & Industry Flow Leaders

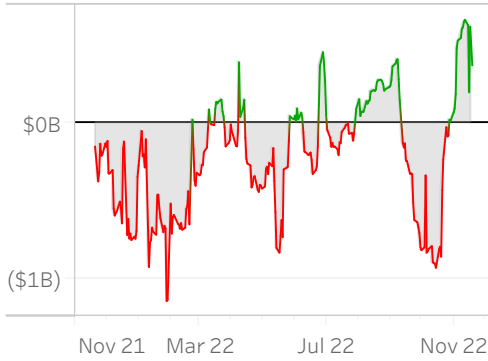
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLK	Technology Select Sector SPDR Fund	\$413M	(\$121M)	\$821M	\$2,550M	\$40,306M
XBI	SPDR S&P BIOTECH ETF	\$258M	\$554M	\$1,319M	\$3,365M	\$7,885M
IBB	iShares Biotechnology ETF	\$242M	\$356M	\$265M	\$387M	\$8,881M
VGT	Vanguard Information Technology ETF	\$229M	(\$340M)	\$720M	\$953M	\$41,865M
IAI	iShares U.S. Broker-Dealers & Securities Excha..	\$227M	\$247M	\$289M	(\$103M)	\$788M
XLP	Consumer Staples Select Sector SPDR Fund	\$217M	\$695M	\$1,037M	\$5,009M	\$16,780M
XLV	Health Care Select Sector SPDR Fund	\$213M	\$459M	\$2,460M	\$7,943M	\$40,633M
XLF	Financial Select Sector SPDR Fund	\$155M	(\$167M)	(\$1,104M)	(\$5,885M)	\$32,794M
RCD	Invesco S&P 500 Equal Weight Consumer Discr..	\$144M	\$132M	\$188M	\$113M	\$510M
SOXX	iShares Semiconductor ETF	\$75M	\$27M	(\$261M)	\$418M	\$6,476M

### U.S. Sector & Industry Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
KRE	SPDR S&P Regional Banking ETF	(\$253M)	(\$142M)	(\$522M)	(\$1,183M)	\$3,182M
XLY	Consumer Discretionary Select Sector SPDR Fu..	(\$243M)	(\$210M)	(\$364M)	(\$2,074M)	\$14,039M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	(\$218M)	(\$213M)	(\$292M)	(\$272M)	\$5,099M
IGV	iShares Expanded Tech-Software Sector ETF	(\$185M)	\$534M	\$489M	\$804M	\$4,564M
XLC	Communication Services Select Sector SPDR Fu..	(\$152M)	(\$424M)	(\$74M)	(\$1,195M)	\$8,347M
IYR	iShares U.S. Real Estate ETF	(\$129M)	(\$467M)	(\$809M)	(\$2,354M)	\$3,245M
XLI	Industrial Select Sector SPDR Fund	(\$128M)	(\$224M)	(\$350M)	(\$2,697M)	\$13,824M
XLE	Energy Select Sector SPDR Fund	(\$113M)	\$676M	(\$291M)	\$562M	\$43,997M
VHT	Vanguard Health Care ETF	(\$79M)	\$221M	\$1,012M	\$1,084M	\$16,900M
VNQ	Vanguard Real Estate ETF	(\$75M)	(\$441M)	(\$1,706M)	(\$1,095M)	\$34,626M

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Communication Services



Consumer Discretionary



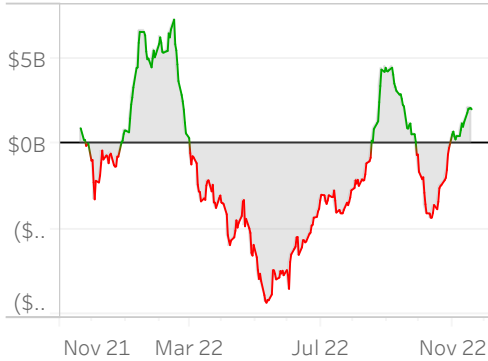
Consumer Staples



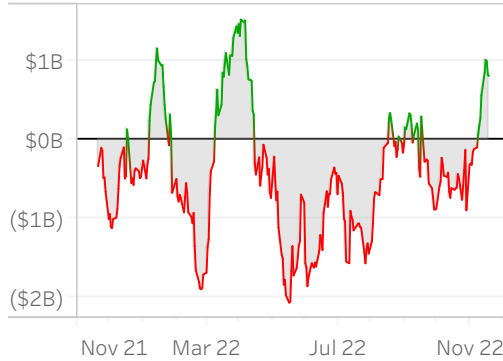
Energy



Financials



Industrial



Health Care



Materials



Real Estate



Technology



Utilities

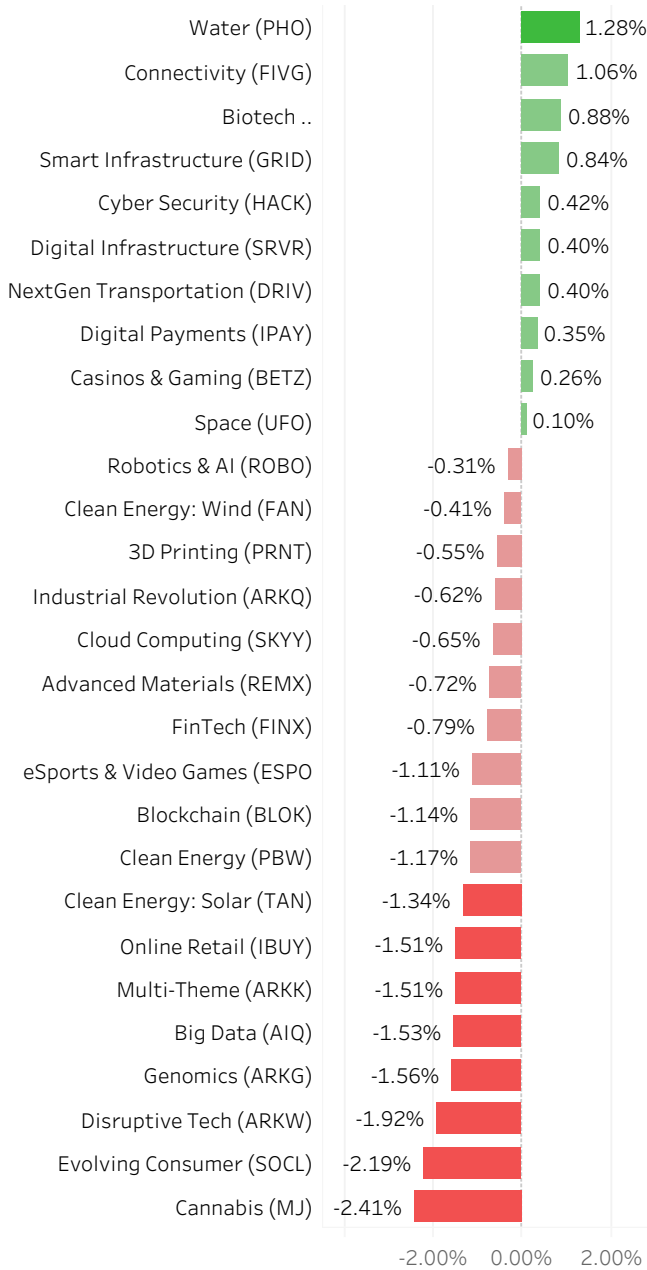


Multi-Sector

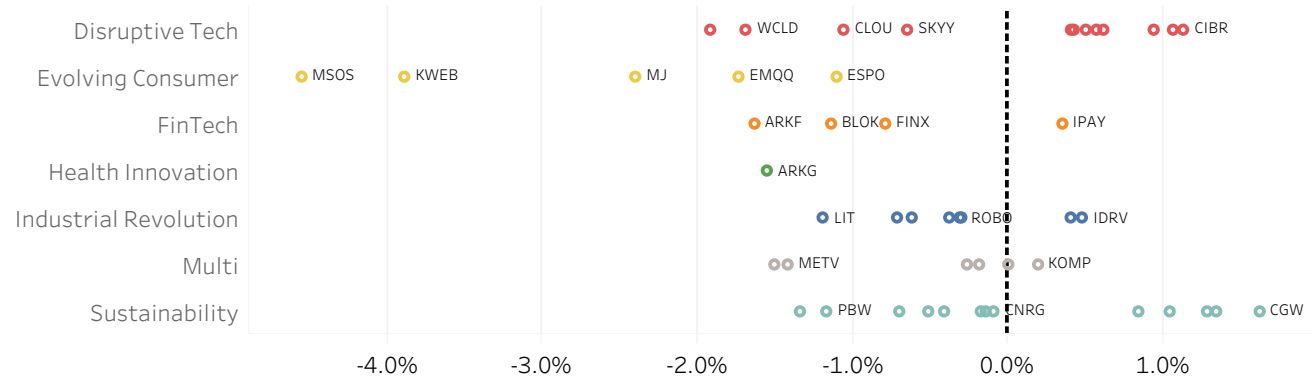


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### Global Thematic Segment 1-Day Performance



### Global Thematic 1-Day Performance Landscape



### Global Thematic 1-Day Performance Leaders

Ticker	Fund	Performance
CGW	Invesco S&P Global Water Index ETF	1.62%
VPN	Global X Data Center REITs & Digital Infrastructure ETF	1.55%
EBLU	Ecofin Global Water ESG Fund	1.44%
FIW	First Trust Water ETF	1.34%
PHO	Invesco Water Resources ETF	1.28%
CIBR	First Trust NASDAQ Cybersecurity ETF	1.13%
FIVG	Defiance Next Gen Connectivity ETF	1.06%
PIO	Invesco Global Water ETF	1.04%
GDOC	Goldman Sachs Future Health Care Equity ETF	0.99%
SNSR	Global X Internet of Things ETF	0.94%

### Thematic Most Overbought

Ticker	Fund	Value
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure ..	71.64
LEGR	First Trust Indxx Innovative Transaction & Process ETF	67.02
SNSR	Global X Internet of Things ETF	66.05
CTEC	Global X CleanTech ETF	65.26
KLDW	Knowledge Leaders Developed World ETF	64.52
BJK	VanEck Gaming ETF	64.38
CGW	Invesco S&P Global Water Index ETF	63.91
TAN	Invesco Solar ETF	63.87
EBLU	Ecofin Global Water ESG Fund	63.57
NXTG	First Trust Indxx NextG ETF	63.47

### Global Thematic 1-Day Performance Laggards

Ticker	Fund	Performance
MJUS	ETFMG U.S. Alternative Harvest ETF	-5.14%
MSOS	AdvisorShares Pure US Cannabis ETF	-4.56%
KWEB	KraneShares CSI China Internet ETF	-3.89%
MJ	ETFMG Alternative Harvest ETFMG Alternative Harvest	-2.41%
SOCL	Global X Social Media ETF	-2.19%
ARKW	ARK Next Generation Internet ETF	-1.92%
POTX	Global X Cannabis ETF	-1.84%
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce E..	-1.74%
WCLD	WisdomTree Cloud Computing Fund	-1.69%
ARKF	ARK Fintech Innovation ETF	-1.64%

### Thematic Most Oversold

Ticker	Fund	Value
BLOK	Amplify Transformational Data Sharing ETF	38.64
LIT	Global X Lithium & Battery Tech ETF	44.74
FINX	Global X FinTech ETF	45.00
WCLD	WisdomTree Cloud Computing Fund	45.11
ARKW	ARK Next Generation Internet ETF	45.71
ARKG	ARK Genomic Revolution ETF	46.14
BUG	Global X Cybersecurity ETF	46.33
ARKF	ARK Fintech Innovation ETF	47.35
ARKK	ARK Innovation ETF	47.38
ARKQ	ARK Autonomous Technology & Robotics ETF	47.47

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### Thematic 1 Week Flow Leaders

Ticker	Fund	Flow
ARKK	ARK Innovation ETF	\$277M
TAN	Invesco Solar ETF	\$162M
ARKG	ARK Genomic Revolution ETF	\$78M
MSOS	AdvisorShares Pure US Cannabis ETF	\$23M
KWEB	KraneShares CSI China Internet ETF	\$22M
SBIO	ALPS Medical Breakthroughs ETF	\$13M
ARKF	ARK Fintech Innovation ETF	\$5M
KOMP	SPDR S&P Kensho New Economies Composite ETF	\$5M
CNRG	SPDR S&P Kensho Clean Power ETF	\$3M
HJEN	Direxion Hydrogen ETF	\$2M

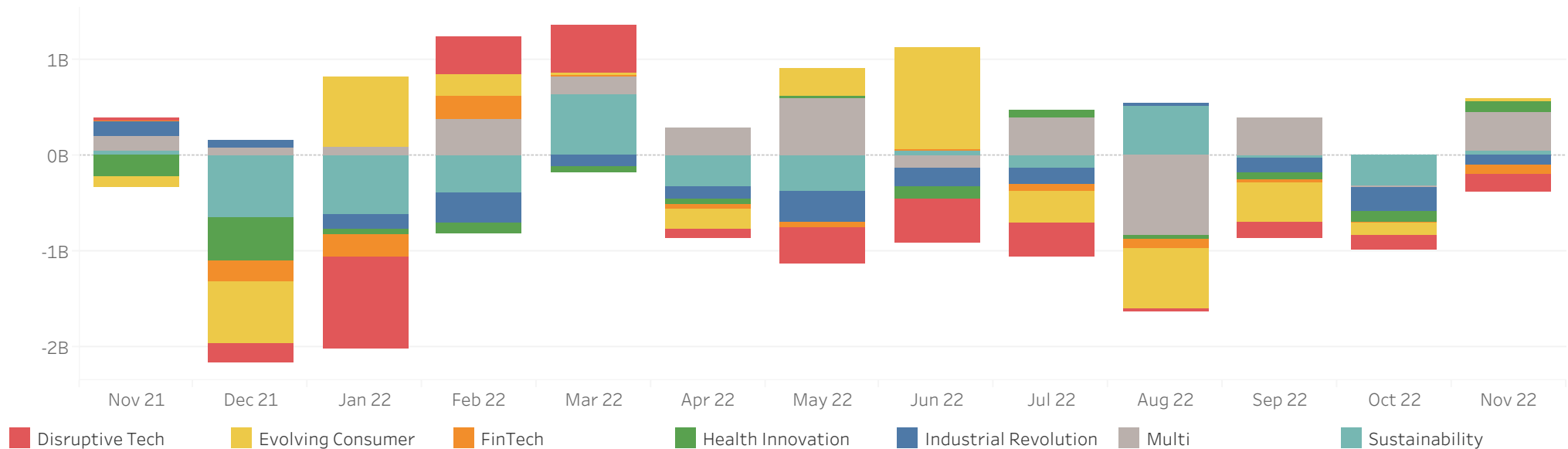
### Thematic 1 Week Flow Laggards

Ticker	Fund	Flow
SKYY	First Trust Cloud Computing ETF	(\$54M)
CIBR	First Trust NASDAQ Cybersecurity ETF	(\$14M)
WCLD	WisdomTree Cloud Computing Fund	(\$12M)
PBW	Invesco WilderHill Clean Energy ETF	(\$10M)
FINX	Global X FinTech ETF	(\$9M)
BOTZ	Global X Robotics & Artificial Intelligence ETF	(\$9M)
ESPO	VanEck Video Gaming and eSports ETF	(\$9M)
TARK	AXS 2X Innovation ETF	(\$9M)
ICLN	iShares Global Clean Energy ETF	(\$8M)
DRIV	Global X Autonomous & Electric Vehicles ETF	(\$7M)

### Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	35	\$16B	(\$93M)	(\$602M)	(\$1,399M)	(\$2,039M)
Evolving Consumer	46	\$9B	\$26M	(\$552M)	(\$622M)	(\$104M)
FinTech	23	\$3B	(\$4M)	(\$171M)	(\$286M)	(\$595M)
Health Innovation	19	\$3B	\$48M	(\$122M)	(\$240M)	(\$1,105M)
Industrial Revolution	32	\$11B	(\$27M)	(\$547M)	(\$894M)	(\$1,693M)
Multi	41	\$14B	\$77M	\$826M	\$312M	\$1,929M
Sustainability	40	\$19B	\$53M	(\$280M)	\$130M	(\$1,605M)
<b>Grand Total</b>	<b>236</b>	<b>\$75B</b>	<b>\$80M</b>	<b>(\$1,449M)</b>	<b>(\$3,000M)</b>	<b>(\$5,212M)</b>

### Thematic Monthly Flows

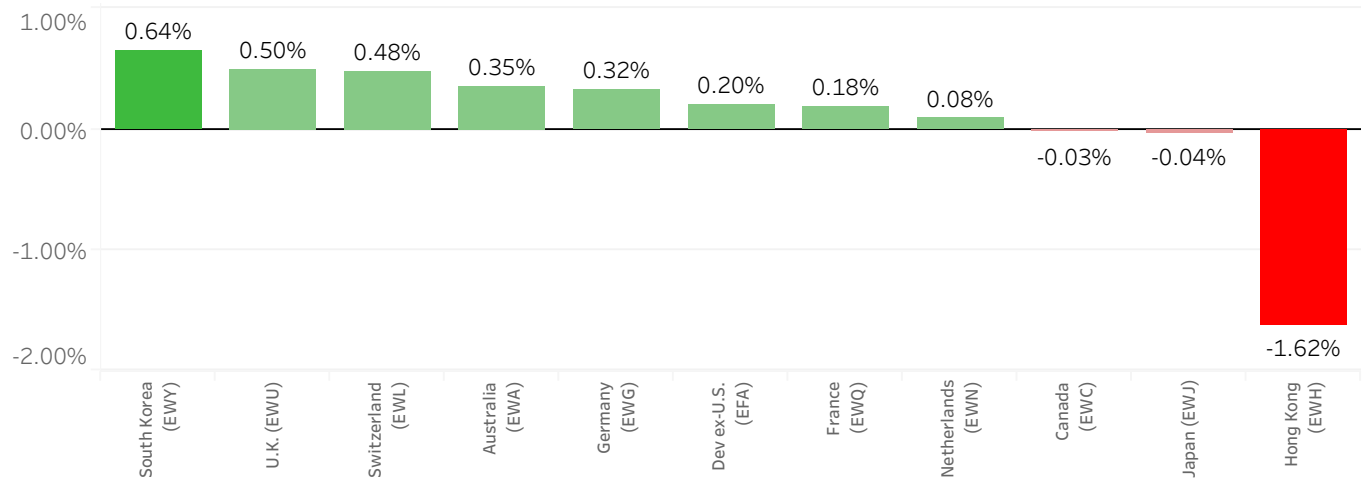


\* ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day

Developed ex-U.S. (EFA)



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



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



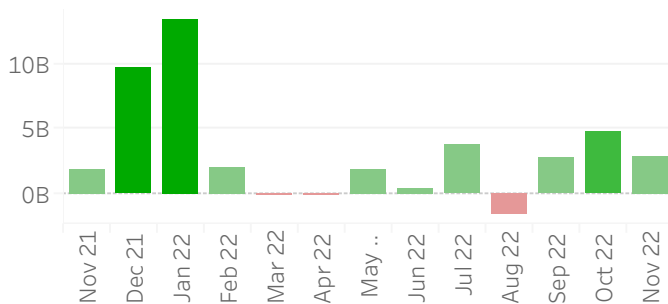
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
ENZL	iShares MSCI New Zealand ETF	1.35%
FSZ	First Trust Switzerland AlphaDEX Fund	1.18%
HEDJ	WisdomTree Europe Hedged Equity Fund	1.07%
EIRL	iShares MSCI Ireland ETF	0.91%
HEZU	iShares Currency Hedged MSCI Eurozone ETF	0.80%
JIRE	JPMorgan International Research Enhanced Equity ETF	0.79%
CIL	VictoryShares International Volatility Wtd ETF	0.77%
EWY	iShares MSCI South Korea ETF	0.64%
FLGB	Franklin FTSE United Kingdom ETF	0.58%
EWI	iShares MSCI Italy ETF	0.55%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
GSID	Goldman Sachs MarketBeta International Equity ETF	73.69
EWI	iShares MSCI Italy ETF	73.29
FEZ	SPDR EURO STOXX 50 ETF	73.08
EWS	iShares MSCI Singapore ETF	72.64
EWG	iShares MSCI Germany ETF	72.40
HEZU	iShares Currency Hedged MSCI Eurozone ETF	72.02
HDEF	Xtrackers MSCI EAFE High Dividend Yield Equity ETF	71.37
LVHI	Franklin International Low Volatility High Dividend Index ..	71.27
EZU	iShares MSCI Eurozone ETF	70.92
DBEU	Xtrackers MSCI Europe Hedged Equity ETF	70.89

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
EWH	iShares MSCI Hong Kong ETF	-1.62%
AIA	iShares Asia 50 ETF	-1.38%
NORW	Global X MSCI Norway ETF	-1.27%
AAXJ	iShares MSCI All Country Asia ex Japan ETF	-0.96%
EWS	iShares MSCI Singapore ETF	-0.57%
BKCI	BNY Mellon Concentrated International ETF	-0.50%
EPP	iShares MSCI Pacific ex-Japan ETF	-0.30%
BBAX	JPMorgan BetaBuilders Developed Asia Pacific-ex Japan E..	-0.27%
BBCA	JPMorgan BetaBuilders Canada ETF	-0.18%
IPAC	iShares Core MSCI Pacific ETF	-0.15%

Developed ex-U.S. Most Oversold

Ticker	Fund	Value
PTIN	Pacer Trendpilot International ETF	34.18
EIS	iShares MSCI Israel ETF	49.58
ISRA	VanEck Israel ETF	52.19
NORW	Global X MSCI Norway ETF	52.62
IVAL	Alpha Architect International Quantitative Value ETF	58.87
IMOM	Alpha Architect International Quantitative Moment..	60.34
EWC	iShares MSCI Canada ETF	60.39
EWD	iShares MSCI Sweden ETF	61.13
FSZ	First Trust Switzerland AlphaDEX Fund	61.15
BBCA	JPMorgan BetaBuilders Canada ETF	61.38

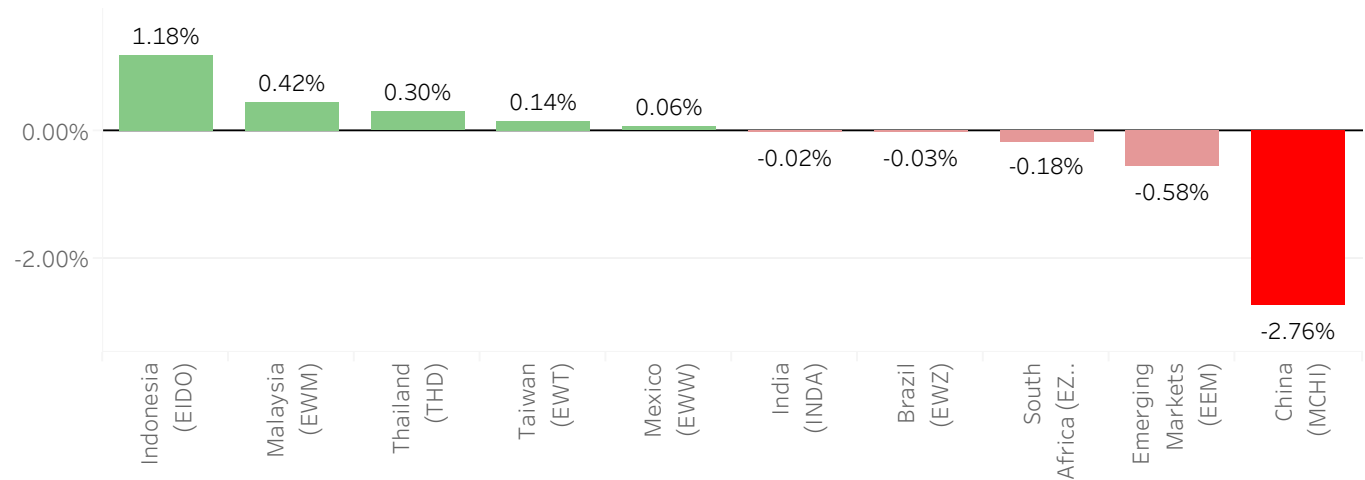
\* ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day



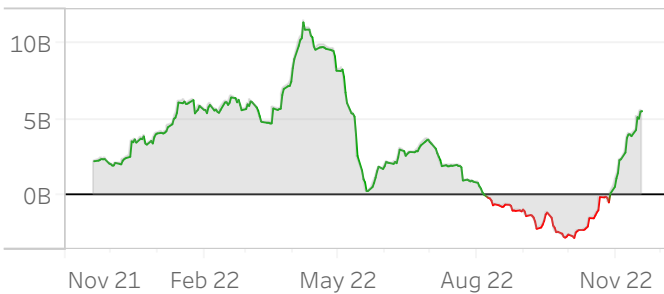
Emerging (EEM)



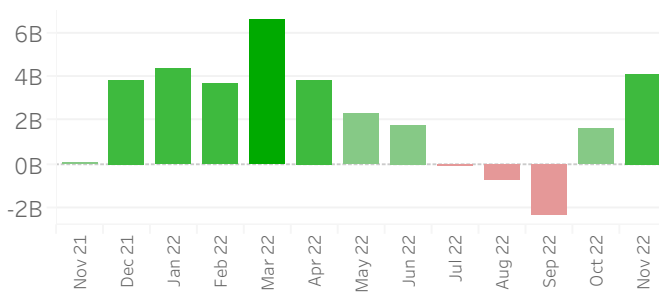
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
TUR	iShares MSCI Turkey ETF	1.38%
EIDO	iShares MSCI Indonesia ETF	1.18%
EPHE	iShares MSCI Philippines ETF	0.99%
EWZS	iShares MSCI Brazil Small-Cap ETF	0.50%
EWM	iShares MSCI Malaysia ETF	0.42%
XCEM	Columbia EM Core ex-China ETF	0.31%
THD	iShares MSCI Thailand ETF	0.30%
FLLA	Franklin FTSE Latin America ETF	0.24%
EMXC	iShares MSCI Emerging Markets ex China ETF	0.16%
EWT	iShares MSCI Taiwan ETF	0.14%

Emerging Most Overbought

Ticker	Fund	Value
EPOL	iShares MSCI Poland ETF	70.93
EWW	iShares MSCI Mexico ETF	70.78
EWT	iShares MSCI Taiwan ETF	69.90
EZA	iShares MSCI South Africa ETF	66.74
EPHE	iShares MSCI Philippines ETF	65.46
JEMA	JPMorgan ActiveBuilders Emerging Markets Equity E..	64.31
TUR	iShares MSCI Turkey ETF	64.11
EWM	iShares MSCI Malaysia ETF	63.86
ADRE	Invesco BLDRS Emerging Markets 50 ADR Index Fund	63.58
DGRE	WisdomTree Emerging Markets Quality Dividend Gro..	62.58

Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
FXI	iShares China Large-Cap ETF	-3.12%
PGJ	Invesco Golden Dragon China ETF	-2.88%
MCHI	iShares MSCI China ETF	-2.76%
FLCH	Franklin FTSE China ETF	-2.40%
GXC	SPDR S&P China ETF	-2.21%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	-2.16%
BKF	iShares MSCI BIC ETF	-1.53%
FNI	First Trust Chindia ETF	-1.51%
ECNS	iShares MSCI China Small-Cap ETF	-1.44%
EPU	iShares MSCI Peru ETF	-1.27%

Emerging Most Oversold

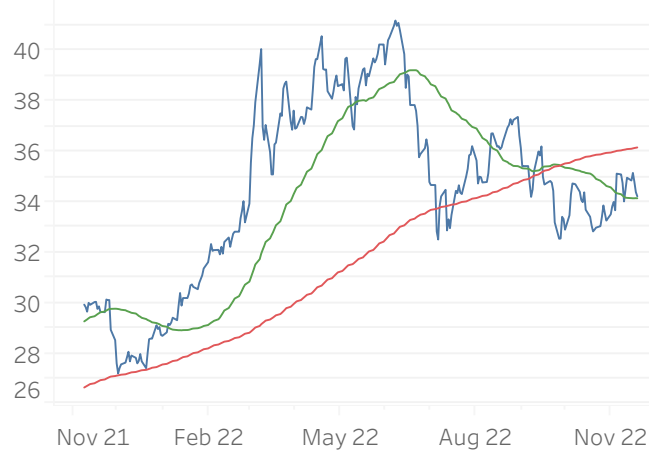
Ticker	Fund	Value
EWZS	iShares MSCI Brazil Small-Cap ETF	36.84
KSA	iShares MSCI Saudi Arabia ETF	39.34
FLBR	Franklin FTSE Brazil ETF	40.00
EWZ	iShares MSCI Brazil ETF	40.40
QAT	iShares MSCI Qatar ETF	41.34
ILF	iShares Latin America 40 ETF	43.18
VNM	VanEck Vietnam ETF	43.66
FLLA	Franklin FTSE Latin America ETF	44.72
ECH	iShares MSCI Chile ETF	45.34
SMIN	iShares MSCI India Small Cap ETF	45.37

\* 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	-0.14%	2.32%	-13.41%
SHY	1-3 Year Treasury Bonds	-0.11%	0.30%	-4.41%
IEF	7-10 Year Treasury Bonds	-0.35%	1.81%	-15.18%
TLT	20+ Year Treasury Bonds	-0.69%	1.59%	-31.51%
TIP	TIPS Bonds	-0.51%	0.27%	-13.00%
FLOT	Floating Rate Bonds	-0.02%	0.70%	0.42%
LQD	Investment Grade Corporate	-0.01%	4.60%	-18.15%
HYG	High Yield Corporate	0.22%	2.21%	-11.11%
BKLN	Senior Loan	0.05%	1.00%	-2.23%
PFF	Preferred & Income Securities	0.00%	3.28%	-16.46%
MUB	Municipal Bonds	0.08%	1.61%	-8.28%
MBB	MBS	-0.08%	3.08%	-12.18%
EMB	Dollar Denominated EM Bonds	0.00%	6.23%	-20.23%
LEMB	Local Currency EM Bond	0.92%	4.85%	-13.49%

### Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	-0.49%	3.48%	19.27%
DBE	Energy	-1.47%	-1.11%	39.37%
USO	WTI Crude Oil	-1.58%	0.48%	26.99%
BNO	Brent Crude Oil	-2.01%	-0.21%	37.78%
UNG	Natural Gas	-0.19%	2.59%	64.61%
UGA	Gasoline	-2.06%	-0.40%	39.01%
DBP	Precious Metals	-0.50%	7.07%	-7.04%
GLD	Gold	-0.69%	5.88%	-4.78%
SLV	Silver	-0.21%	11.72%	-10.51%
PPLT	abrdrn Physical Platin..	-0.12%	7.81%	1.17%
PALL	abrdrn Physical Palla..	-2.99%	-3.41%	2.28%
DBB	Base Metals	0.31%	9.96%	-12.17%
CPER	Copper	-1.04%	8.61%	-19.29%
LD	Lead	1.30%	6.55%	-4.39%
JJN	Nickel	1.29%	18.66%	24.65%
JJU	Aluminum	1.22%	11.22%	-13.94%
JJT	Tin	1.25%	17.49%	-39.13%
DBA	Agriculture	0.05%	-0.70%	0.71%
CORN	Corn	-0.08%	-2.35%	23.26%
SOYB	Soybeans	0.63%	3.13%	18.73%
WEAT	Wheat	-0.48%	-4.61%	11.91%
CANE	Sugar	1.28%	4.06%	3.15%
BAL	Cotton	-1.40%	4.27%	-7.46%
NIB	Cocoa	0.65%	8.49%	-9.21%
JO	Coffee	-0.11%	-18.15%	-27.47%

### Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.28%	-4.38%	12.41%
UDN	Short Dollar	-0.28%	4.89%	-11.02%
FXE	Euro	-0.40%	4.76%	-9.89%
FXB	British Pound Sterling	0.14%	5.04%	-12.08%
FXF	Swiss Franc	-0.20%	4.24%	-5.23%
FXY	Japanese Yen	-0.09%	6.21%	-18.39%
FXC	Canadian Dollar	-0.44%	2.75%	-5.53%
FXA	Australian Dollar	-0.26%	5.85%	-8.42%

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