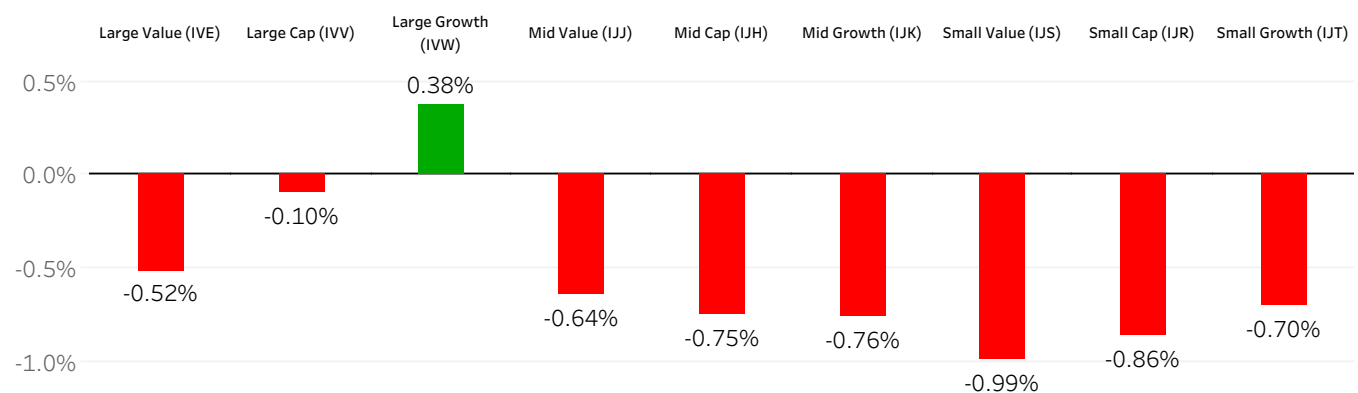


Large Cap Blend (S&P 500) IVV



U.S. Size & Style 1-Day Performance



Mid Cap Blend (S&P 400) IJH



Size & Style 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
ACSI	American Customer Satisfaction ETF	2.00%
RYJ	Invesco Raymond James SB-1 Equity ETF	1.72%
GUSA	Goldman Sachs MarketBeta U.S. 1000 Equity ETF	1.49%
IPO	Renaissance IPO ETF	1.38%
MMLG	First Trust Multi-Manager Large Growth ETF	1.05%
IWC	iShares Micro-Cap ETF	0.97%
LCG	Sterling Capital Focus Equity ETF	0.84%
BUZZ	VanEck Social Sentiment ETF	0.73%
BKMC	BNY Mellon US Mid Cap Core Equity ETF	0.67%
MGK	Vanguard Mega Cap Growth ETF	0.60%

Size & Style Most Overbought

Ticker	Fund	Value
ACSI	American Customer Satisfaction ETF	78.76
GUSA	Goldman Sachs MarketBeta U.S. 1000 Equity ETF	77.30
USNZ	Xtrackers Net Zero Pathway Paris Aligned US Equity ETF	74.50
NZUS	SPDR MSCI USA Climate Paris Aligned ETF	73.74
ALTL	Pacer Lunt Large Cap Alternator ETF	72.54
QQXT	First Trust Nasdaq-100 Ex-Technology Sector Index Fund	72.00
RYJ	Invesco Raymond James SB-1 Equity ETF	70.72
BIBL	Inspire 100 ESG ETF	70.70
ETHO	Etho Climate Leadership U.S. ETF	70.67
FYC	First Trust Small Cap Growth AlphaDEX Fund	70.49

Small Cap Blend (S&P 600) IJR



Size & Style 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
QMOM	Alpha Architect U.S. Quantitative Momentum ETF	-2.21%
XSMO	Invesco S&P SmallCap Momentum ETF	-1.84%
EQRR	ProShares Equities for Rising Rates ETF	-1.84%
SYLD	Cambria Shareholder Yield ETF	-1.53%
XSVM	Invesco S&P SmallCap Value with Momentum ETF	-1.46%
PDP	Invesco DWA Momentum ETF	-1.32%
DIVZ	TrueShares Low Volatility Equity Income ETF	-1.32%
WBIY	WBI Power Factor High Dividend ETF	-1.27%
VFMO	Vanguard U.S. Momentum Factor ETF	-1.23%
FDL	First Trust Morningstar Dividend Leaders Index Fund	-1.21%

Size & Style Most Oversold

Ticker	Fund	Value
ABEQ	Absolute Select Value ETF	46.75
CDC	VictoryShares US EQ Income Enhanced Volatility Wt..	47.52
LFEQ	VanEck Long/Flat Trend ETF	48.46
DIVZ	TrueShares Low Volatility Equity Income ETF	48.53
RUFF	Alpha Dog ETF	48.56
DHS	WisdomTree U.S. High Dividend Fund	48.83
FDL	First Trust Morningstar Dividend Leaders Index Fund	49.37
SPDV	AAM S&P 500 High Dividend Value ETF	50.25
WBIY	WBI Power Factor High Dividend ETF	50.45
RPV	Invesco S&P 500 Pure Value ETF	50.68

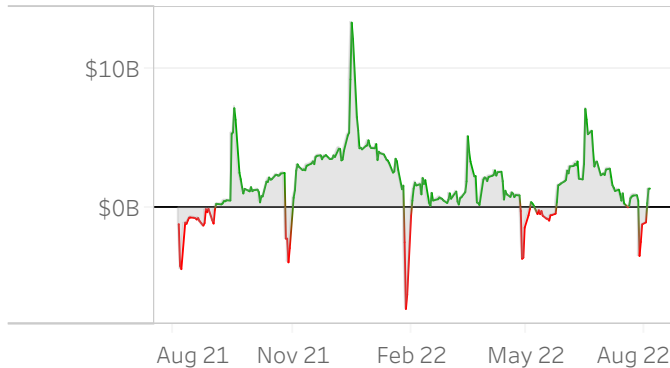
■ Closing Price ■ 50 Day Moving Average ■ 200 Day Moving Average

*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	\$1,263B	(\$1.20B)	\$35.98B	\$31.82B	\$124.39B
Large Cap, Beta Growth, Beta: Growth	10	\$240B	\$1.10B	\$9.14B	\$12.86B	\$16.76B
Large Cap, Beta Growth, Beta: Value	11	\$217B	(\$0.87B)	\$3.01B	\$12.13B	\$25.36B
Mid Cap, Beta, Beta	10	\$180B	\$0.55B	\$3.27B	\$5.39B	\$13.50B
Mid Cap, Beta, Beta: Growth	6	\$34B	\$0.45B	\$1.04B	\$0.82B	\$1.06B
Mid Cap, Beta, Beta: Value	6	\$40B	(\$0.28B)	\$0.24B	(\$0.54B)	\$0.93B
Small Cap, Beta, Beta	13	\$196B	\$1.33B	(\$0.64B)	(\$1.80B)	\$9.42B
Small Cap, Beta, Beta: Growth	7	\$33B	\$0.06B	\$0.87B	\$1.18B	\$1.86B
Small Cap, Beta, Beta: Value	7	\$50B	\$0.01B	(\$0.83B)	(\$4.59B)	(\$2.34B)

U.S. Size & Style Flow Leaders

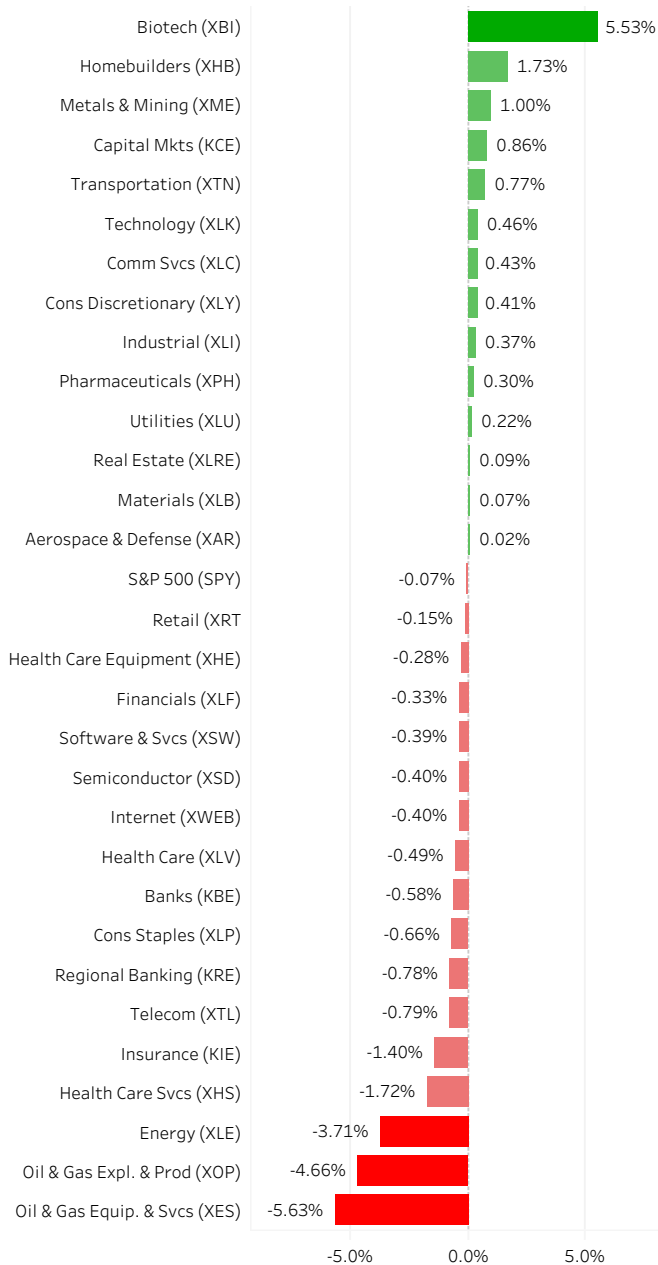
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
VOO	Vanguard S&P 500 ETF	\$1.00B	\$15.35B	\$14.80B	\$44.45B	\$273.98B
IWM	iShares Russell 2000 ETF	\$0.89B	(\$0.44B)	(\$2.13B)	(\$1.00B)	\$55.14B
IVV	iShares Core S&P 500 ETF	\$0.73B	\$14.47B	\$11.42B	\$31.55B	\$308.89B
OMFL	Invesco Russell 1000 Dynamic Multifactor ETF	\$0.42B	\$0.42B	\$0.60B	\$0.99B	\$2.40B
MDYG	SPDR S&P 400 Mid Cap Growth ETF	\$0.39B	\$0.32B	\$0.31B	\$0.35B	\$1.82B
SPYG	SPDR Portfolio S&P 500 Growth ETF	\$0.38B	\$1.86B	\$2.36B	\$2.57B	\$14.96B
VTI	Vanguard Total Stock Market ETF	\$0.34B	\$4.08B	\$10.04B	\$34.98B	\$271.80B
QQQM	Invesco NASDAQ 100 ETF	\$0.34B	\$1.00B	\$1.94B	\$4.41B	\$5.30B
SPLV	Invesco S&P 500 Low Volatility ETF	\$0.30B	\$1.43B	\$1.90B	\$3.08B	\$11.18B
SCHD	Schwab US Dividend Equity ETF	\$0.29B	\$3.39B	\$6.51B	\$11.26B	\$37.13B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	(\$1.85B)	\$0.10B	(\$5.01B)	\$15.88B	\$373.54B
QQQ	Invesco QQQ Trust	(\$1.59B)	\$1.68B	\$4.62B	\$17.83B	\$176.81B
SPYD	SPDR Portfolio S&P 500 High Dividend ETF	(\$1.48B)	\$1.60B	\$2.68B	\$3.21B	\$7.96B
SDY	SPDR S&P Dividend ETF	(\$1.38B)	\$0.82B	\$1.56B	\$2.04B	\$22.17B
SPHD	Invesco S&P 500 High Dividend Low Volatility ..	(\$0.78B)	\$0.37B	\$0.82B	\$0.86B	\$3.92B
IVE	iShares S&P 500 Value ETF	(\$0.28B)	\$0.11B	\$1.22B	\$2.62B	\$24.33B
USMV	iShares MSCI USA Min Vol Factor ETF	(\$0.28B)	\$0.90B	\$0.85B	\$0.86B	\$28.39B
IJJ	iShares S&P Mid-Cap 400 Value ETF	(\$0.27B)	(\$0.14B)	(\$0.83B)	(\$1.02B)	\$7.39B
IWD	iShares Russell 1000 Value ETF	(\$0.26B)	\$0.16B	(\$0.94B)	\$0.99B	\$53.28B
ITOT	iShares Core S&P Total U.S. Stock Market ETF	(\$0.24B)	\$2.41B	\$2.40B	\$5.02B	\$43.57B

* 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)
XLU	Utilities Select Sector SPDR Fund	-3.20%	17.21%	5.50%	6.03%	70.49
XLP	Consumer Staples Select Sector SPDR Fund	-7.15%	8.74%	2.83%	0.31%	58.98
XLV	Health Care Select Sector SPDR Fund	-7.93%	9.68%	2.24%	-0.54%	54.99
XLI	Industrial Select Sector SPDR Fund	-10.41%	12.25%	6.28%	-2.54%	69.37
SPY	SPDR S&P 500 ETF Trust	-13.30%	13.20%	5.60%	-4.12%	66.05
XLB	Materials Select Sector SPDR Fund	-15.20%	8.33%	-0.68%	-8.55%	55.15
XLRE	Real Estate Select Sector SPDR Fund	-15.88%	12.18%	4.10%	-5.28%	61.60
XLK	Technology Select Sector SPDR Fund	-16.58%	19.33%	9.79%	-2.66%	69.28
XLF	Financial Select Sector SPDR Fund	-19.24%	8.82%	2.36%	-9.20%	57.80
XLY	Consumer Discretionary Select Sector SPDR Fund	-20.93%	24.16%	12.92%	-4.85%	71.04
XLE	Energy Select Sector SPDR Fund	-22.35%	56.50%	-6.87%	2.08%	44.29
XLC	Communication Services Select Sector SPDR Fund	-32.83%	8.89%	2.40%	-13.94%	57.26

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
XBI	SPDR S&P BIOTECH ETF	5.53%
PBE	Invesco Dynamic Biotechnology & Genome ETF	4.43%
FBT	First Trust NYSE Arca Biotechnology Index Fund	2.61%
ITB	iShares U.S. Home Construction ETF	2.26%
IBB	iShares Biotechnology ETF	2.24%
XHB	SPDR S&P Homebuilders ETF	1.73%
PTH	Invesco DWA Healthcare Momentum ETF	1.39%
PKB	Invesco Dynamic Building & Construction ETF	1.37%
XNTK	SPDR NYSE Technology ETF	1.22%
SOXQ	Invesco PHLX Semiconductor ETF	1.08%

Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
IGN	iShares North American Tech-Multimedia Networking E..	77.82
PTF	Invesco DWA Technology Momentum ETF	73.03
RYT	Invesco S&P 500 Equal Weight Technology ETF	71.94
IDU	iShares U.S. Utilities ETF	71.85
FIDU	Fidelity MSCI Industrial Index ETF	71.48
PAVE	Global X U.S. Infrastructure Development ETF	71.31
VIS	Vanguard Industrials ETF	71.10
XSD	SPDR S&P Semiconductor ETF	71.08
XLY	Consumer Discretionary Select Sector SPDR Fund	71.04
XTL	SPDR S&P Telecom ETF	71.00

Sector & Industry 1 Day Performance Laggards

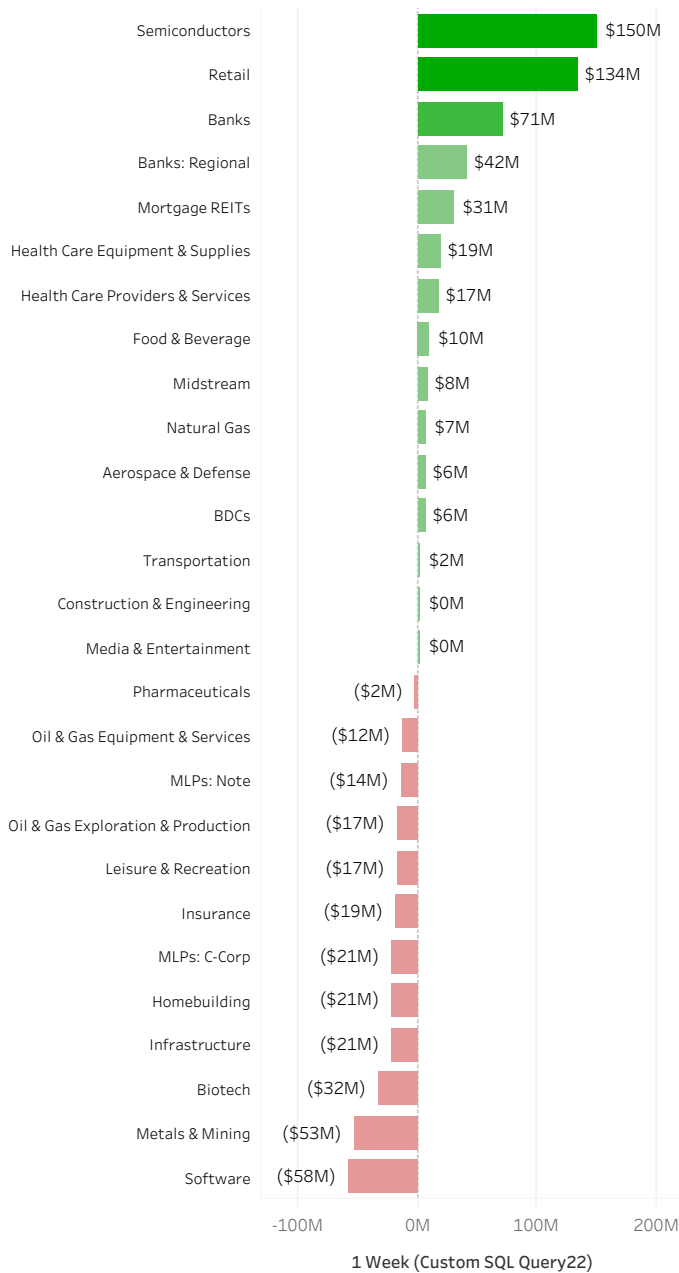
Ticker	Fund	1 Day Performance
XES	SPDR S&P Oil & Gas Equipment & Services ETF	-5.63%
PSCE	Invesco S&P SmallCap Energy ETF	-5.44%
PXI	Invesco DWA Energy Momentum ETF	-5.35%
FTXN	First Trust Nasdaq Oil & Gas ETF	-4.96%
FCG	First Trust Natural Gas ETF	-4.94%
PXE	Invesco Dynamic Energy Exploration & Production ETF	-4.84%
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	-4.66%
AMZA	InfraCap MLP ETF	-4.59%
RYE	Invesco S&P 500 Equal Weight Energy ETF	-4.26%
FXN	First Trust Energy AlphaDEX Fund	-3.92%

Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
KBWP	Invesco KBW Property & Casualty Insurance ETF	31.84
RYE	Invesco S&P 500 Equal Weight Energy ETF	42.24
XLE	Energy Select Sector SPDR Fund	44.29
FCG	First Trust Natural Gas ETF	44.44
PXI	Invesco DWA Energy Momentum ETF	44.55
FTXN	First Trust Nasdaq Oil & Gas ETF	44.57
IHE	iShares U.S. Pharmaceuticals ETF	44.61
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	45.17
PXE	Invesco Dynamic Energy Exploration & Production ETF	45.27
VDE	Vanguard Energy ETF	45.33

* 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	9	\$14B	\$115M	(\$150M)	(\$467M)	(\$580M)
Consumer Discretionary	13	\$25B	\$698M	(\$1,528M)	(\$3,187M)	(\$4,427M)
Consumer Staples	12	\$28B	\$172M	\$104M	\$3,216M	\$5,183M
Energy	34	\$71B	(\$613M)	(\$4,184M)	(\$3,840M)	\$1,019M
Financials	28	\$58B	\$219M	(\$8,620M)	(\$18,098M)	(\$7,417M)
Health Care	26	\$94B	\$242M	\$3,776M	\$7,876M	\$12,660M
Industrial	14	\$29B	\$488M	(\$2,329M)	(\$2,052M)	(\$5,162M)
Materials	10	\$14B	\$7M	(\$2,315M)	(\$456M)	(\$1,399M)
Multi-Sector	19	\$15B	(\$110M)	(\$513M)	(\$4,290M)	(\$3,736M)
Real Estate	25	\$69B	(\$7M)	(\$2,515M)	(\$5,131M)	\$2,160M
Technology	24	\$130B	\$711M	\$574M	\$288M	\$4,732M
Utilities	10	\$27B	\$135M	\$1,189M	\$3,697M	\$4,525M

U.S. Sector & Industry Flow Leaders

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLK	Technology Select Sector SPDR Fund	\$608M	\$522M	\$1,277M	\$2,220M	\$44,704M
XLY	Consumer Discretionary Select Sector SPDR Fu..	\$573M	(\$985M)	(\$1,308M)	(\$962M)	\$16,672M
XLI	Industrial Select Sector SPDR Fund	\$456M	(\$1,061M)	(\$2,515M)	(\$4,525M)	\$13,511M
XLV	Health Care Select Sector SPDR Fund	\$184M	\$2,708M	\$5,748M	\$7,723M	\$40,049M
SOXX	iShares Semiconductor ETF	\$145M	(\$102M)	(\$14M)	\$1,125M	\$7,526M
XRT	SPDR S&P Retail ETF	\$134M	\$101M	\$349M	(\$361M)	\$518M
XLP	Consumer Staples Select Sector SPDR Fund	\$120M	(\$418M)	\$630M	\$1,793M	\$15,749M
XLC	Communication Services Select Sector SPDR Fu..	\$102M	\$379M	(\$160M)	(\$86M)	\$10,019M
XLF	Financial Select Sector SPDR Fund	\$75M	(\$5,146M)	(\$11,002M)	(\$4,584M)	\$30,134M
VPU	Vanguard Utilities ETF	\$61M	(\$366M)	\$2M	\$430M	\$5,972M

U.S. Sector & Industry Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLE	Energy Select Sector SPDR Fund	(\$531M)	(\$982M)	(\$2,989M)	(\$311M)	\$34,691M
IGV	iShares Expanded Tech-Software Sector ETF	(\$60M)	\$66M	(\$227M)	\$1,181M	\$4,607M
XBI	SPDR S&P BIOTECH ETF	(\$58M)	\$1,038M	\$1,684M	\$3,360M	\$7,810M
XME	SPDR S&P Metals & Mining ETF	(\$53M)	(\$660M)	(\$166M)	(\$42M)	\$1,911M
FDN	First Trust Dow Jones Internet Index Fund	(\$50M)	(\$209M)	(\$1,953M)	(\$2,512M)	\$4,575M
VNQ	Vanguard Real Estate ETF	(\$50M)	(\$1,871M)	(\$2,294M)	\$639M	\$40,251M
ITB	iShares U.S. Home Construction ETF	(\$44M)	\$2M	(\$544M)	(\$576M)	\$1,469M
FTEC	Fidelity MSCI Information Technology Index ETF	(\$38M)	(\$124M)	(\$140M)	\$180M	\$5,825M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	(\$21M)	(\$782M)	(\$876M)	(\$1,022M)	\$4,355M
AMPLP	Alerian MLP ETF	(\$19M)	(\$42M)	\$266M	\$447M	\$6,499M

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

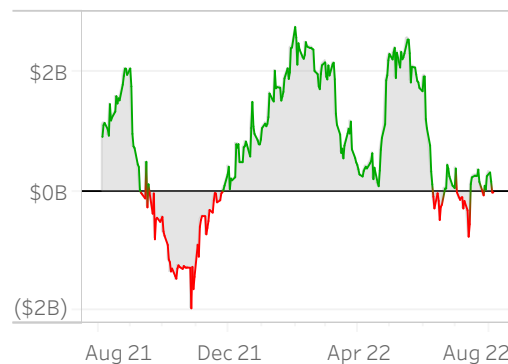
Communication Services



Consumer Discretionary



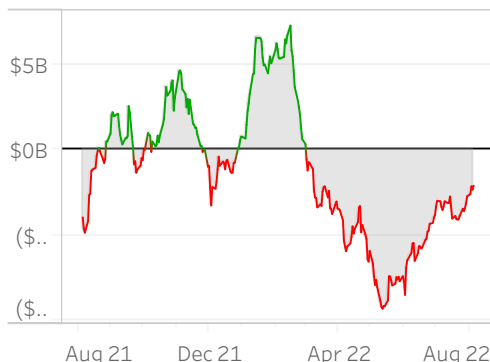
Consumer Staples



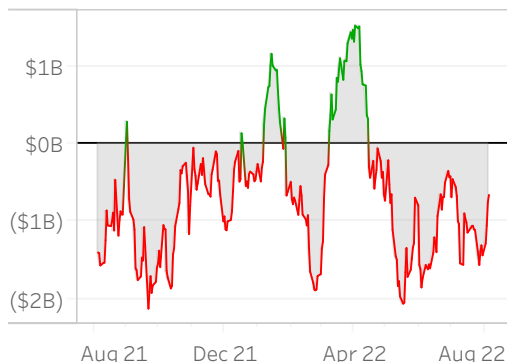
Energy



Financials



Industrial



Health Care



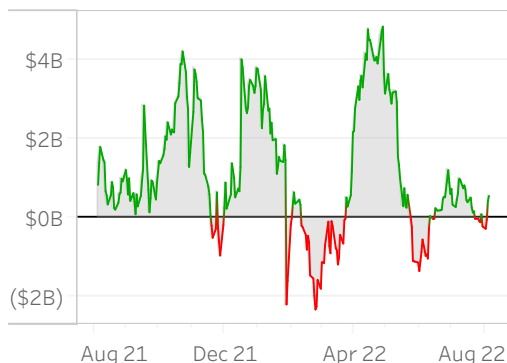
Materials



Real Estate



Technology



Utilities

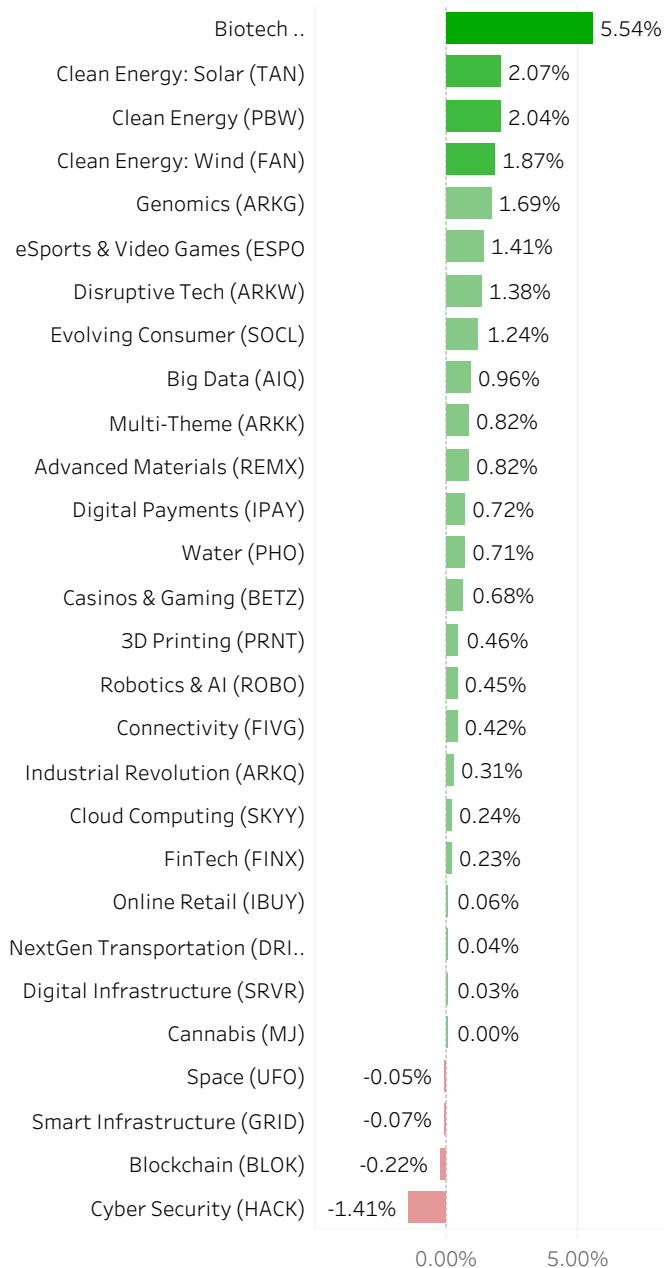


Multi-Sector

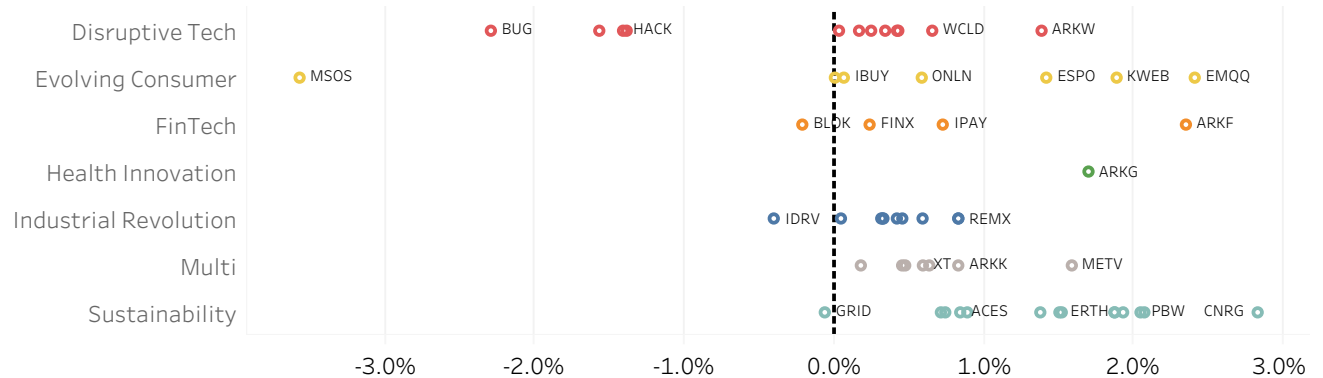


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
SBIO	ALPS Medical Breakthroughs ETF	5.54%
CNRG	SPDR S&P Kensho Clean Power ETF	2.82%
BTEC	Principal Healthcare Innovators ETF	2.54%
GNOM	Global X Genomics & Biotechnology ETF	2.47%
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	2.40%
ARKF	ARK Fintech Innovation ETF	2.34%
TAN	Invesco Solar ETF	2.07%
PBW	Invesco WilderHill Clean Energy ETF	2.04%
CTEC	Global X CleanTech ETF	1.94%
ICLN	iShares Global Clean Energy ETF	1.92%

Thematic Most Overbought

Ticker	Fund	Value
EVX	VanEck Environmental Services ETF	75.66
CGW	Invesco S&P Global Water Index ETF	74.68
FIW	First Trust Water ETF	74.54
ACES	ALPS Clean Energy ETF	73.72
PHO	Invesco Water Resources ETF	73.59
CNRG	SPDR S&P Kensho Clean Power ETF	71.99
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure ..	71.79
ARKX	ARK Space Exploration & Innovation ETF	71.41
SNSR	Global X Internet of Things ETF	71.40
IPAY	ETFMG Prime Mobile Payments ETF	71.40

Global Thematic 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
MSOS	AdvisorShares Pure US Cannabis ETF	-3.57%
BUG	Global X Cybersecurity ETF	-2.30%
YOLO	AdvisorShares Pure Cannabis ETF	-1.89%
CIBR	First Trust NASDAQ Cybersecurity ETF	-1.57%
HACK	ETFMG Prime Cyber Security ETF	-1.41%
IHAK	iShares Cybersecurity & Tech ETF	-1.39%
SAMT	Strategas Macro Thematic Opportunities ETF	-1.21%
IDRV	iShares Self-driving EV & Tech ETF	-0.41%
POTX	Global X Cannabis ETF	-0.27%
BLOK	Amplify Transformational Data Sharing ETF	-0.22%

Thematic Most Oversold

Ticker	Fund	Value
KGRN	KraneShares MSCI China Clean Technology Index ETF	40.36
MSOS	AdvisorShares Pure US Cannabis ETF	43.61
KWEB	KraneShares CSI China Internet ETF	45.87
YOLO	AdvisorShares Pure Cannabis ETF	48.64
MJ	ETFMG Alternative Harvest ETF	51.21
SOCL	Global X Social Media ETF	53.37
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	54.50
SAMT	Strategas Macro Thematic Opportunities ETF	55.36
POTX	Global X Cannabis ETF	55.88
AGNG	Global X Aging Population ETF	57.23

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Thematic 1 Week Flow Leaders

Ticker	Fund	
TAN	Invesco Solar ETF	\$269M
ICLN	iShares Global Clean Energy ETF	\$22M
ONLN	ProShares Online Retail ETF	\$17M
WCLD	WisdomTree Cloud Computing Fund	\$14M
DRIV	Global X Autonomous & Electric Vehicles ETF	\$10M
IDRV	iShares Self-driving EV & Tech ETF	\$8M
FIW	First Trust Water ETF	\$8M
LIT	Global X Lithium & Battery Tech ETF	\$7M
CIBR	First Trust NASDAQ Cybersecurity ETF	\$6M
PHO	Invesco Water Resources ETF	\$5M

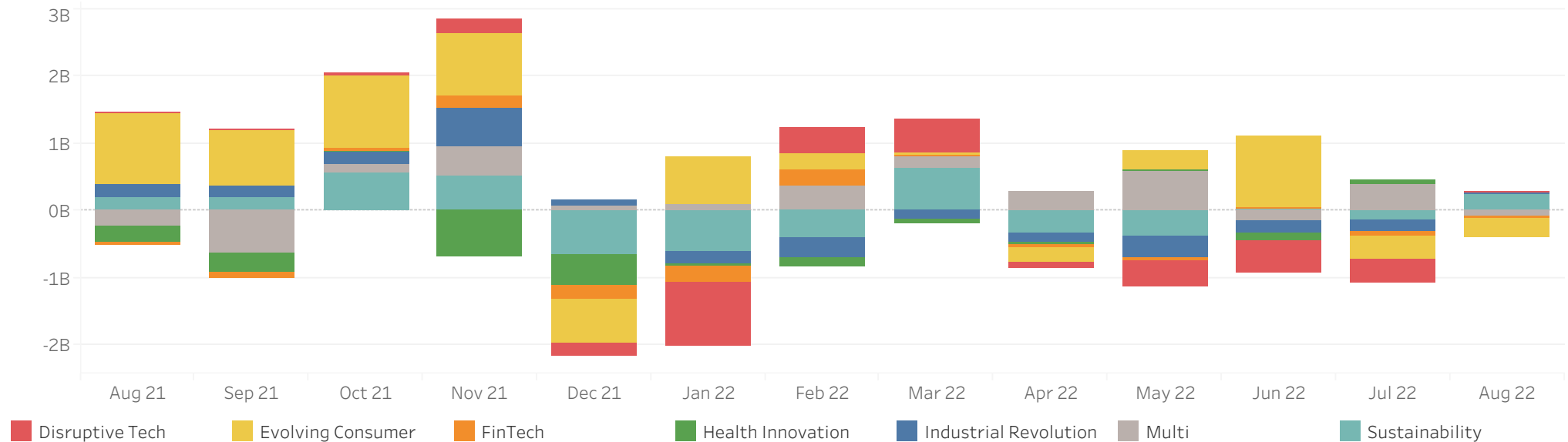
Thematic 1 Week Flow Laggards

Ticker	Fund	
KWEB	KraneShares CSI China Internet ETF	(\$307M)
ARKK	ARK Innovation ETF	(\$89M)
FINX	Global X FinTech ETF	(\$29M)
ARKG	ARK Genomic Revolution ETF	(\$23M)
SRVR	Pacer Benchmark Data & Infrastructure Real Estate SCTR ETF	(\$11M)
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	(\$9M)
PBW	Invesco WilderHill Clean Energy ETF	(\$6M)
TARK	AXS 2X Innovation ETF	(\$6M)
ARKF	ARK Fintech Innovation ETF	(\$5M)
REMX	VanEck Rare Earth/Strategic Metals ETF	(\$5M)

Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	35	\$20B	\$4M	(\$1,134M)	(\$313M)	(\$1,255M)
Evolving Consumer	48	\$11B	(\$288M)	\$706M	\$762M	\$4,756M
FinTech	24	\$4B	(\$36M)	(\$162M)	(\$20M)	(\$291M)
Health Innovation	19	\$4B	\$8M	(\$25M)	(\$241M)	(\$1,928M)
Industrial Revolution	32	\$13B	\$25M	(\$636M)	(\$1,050M)	(\$209M)
Multi	42	\$18B	(\$83M)	\$329M	\$2,008M	\$1,441M
Sustainability	42	\$20B	\$248M	(\$221M)	(\$264M)	(\$111M)
Grand Total	242	\$88B	(\$122M)	(\$1,143M)	\$882M	\$2,404M

Thematic Monthly Flows

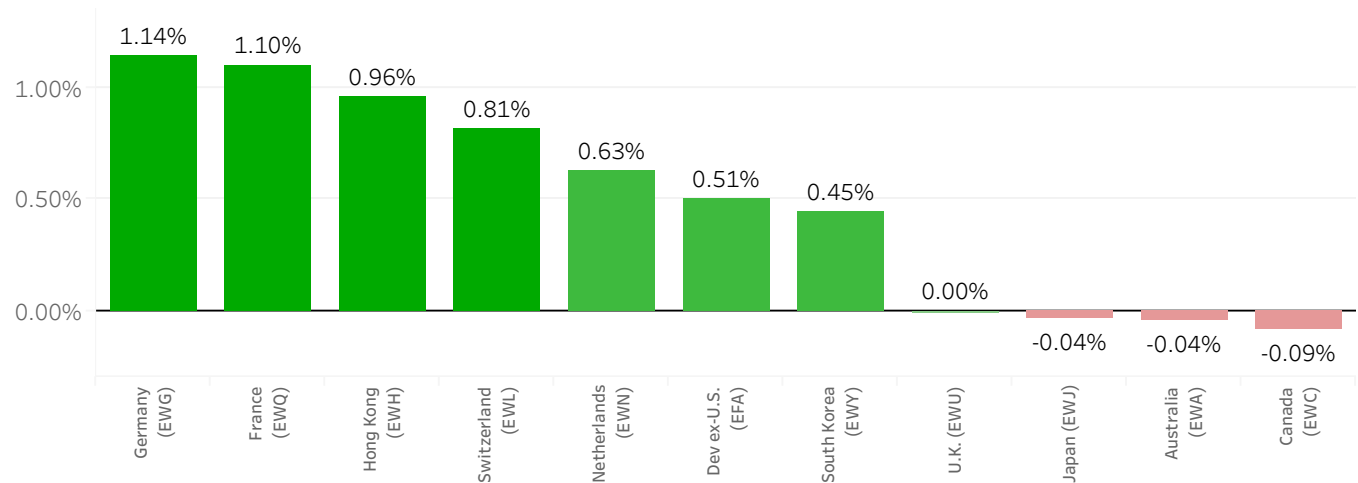


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

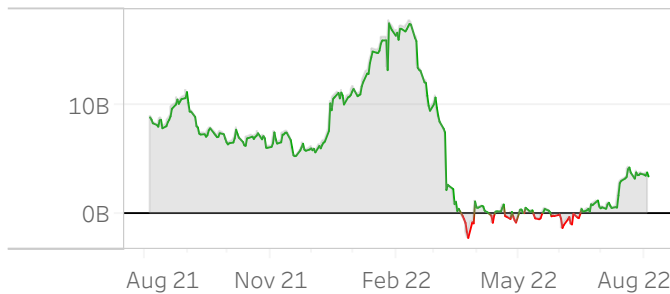
Developed ex-U.S. (EFA)



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



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



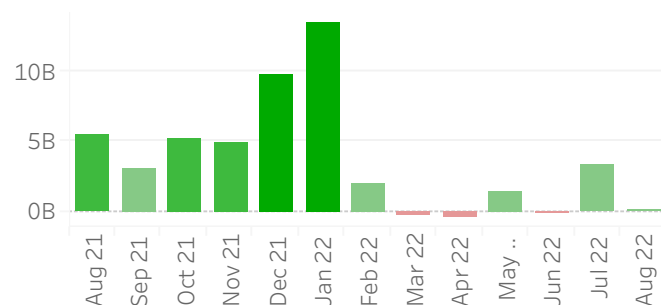
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
FKU	First Trust United Kingdom AlphaDEX Fund	5.23%
EDEN	iShares MSCI Denmark ETF	2.47%
CIL	VictoryShares International Volatility Wtd ETF	2.09%
EIRL	iShares MSCI Ireland ETF	1.61%
EWS	iShares MSCI Singapore ETF	1.52%
IQDG	WisdomTree International Quality Dividend Growth Fund	1.36%
EWD	iShares MSCI Sweden ETF	1.35%
EWG	iShares MSCI Germany ETF	1.14%
EWQ	iShares MSCI France ETF	1.10%
ISRA	VanEck Israel ETF	1.03%

Developed ex-U.S. Most Overbought

Ticker	Fund	Price
EWS	iShares MSCI Singapore ETF	72.58
ENZL	iShares MSCI New Zealand ETF	70.58
ISRA	VanEck Israel ETF	66.14
EIS	iShares MSCI Israel ETF	66.10
TOK	iShares MSCI Kokusai ETF	65.45
EFG	iShares MSCI EAFE Growth ETF	64.81
EFAD	ProShares MSCI EAFE Dividend Growers ETF	64.05
IHDG	WisdomTree International Hedged Quality Dividend Grow..	63.18
EWN	iShares MSCI Netherlands ETF	63.07
HEDJ	WisdomTree Europe Hedged Equity Fund	62.66

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
GREK	Global X MSCI Greece ETF	-1.25%
DXJ	WisdomTree Japan Hedged Equity Fund	-1.15%
HEWJ	iShares Currency Hedged MSCI Japan ETF	-1.01%
NORW	Global X MSCI Norway ETF	-0.97%
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	-0.92%
EWJV	iShares MSCI Japan Value ETF	-0.70%
LVHI	Franklin International Low Volatility High Dividend Index ..	-0.39%
FDT	First Trust Developed Markets ex-US AlphaDEX Fund	-0.24%
IVLU	iShares MSCI Intl Value Factor ETF	-0.22%
FLCA	Franklin FTSE Canada ETF	-0.18%

Developed ex-U.S. Most Oversold

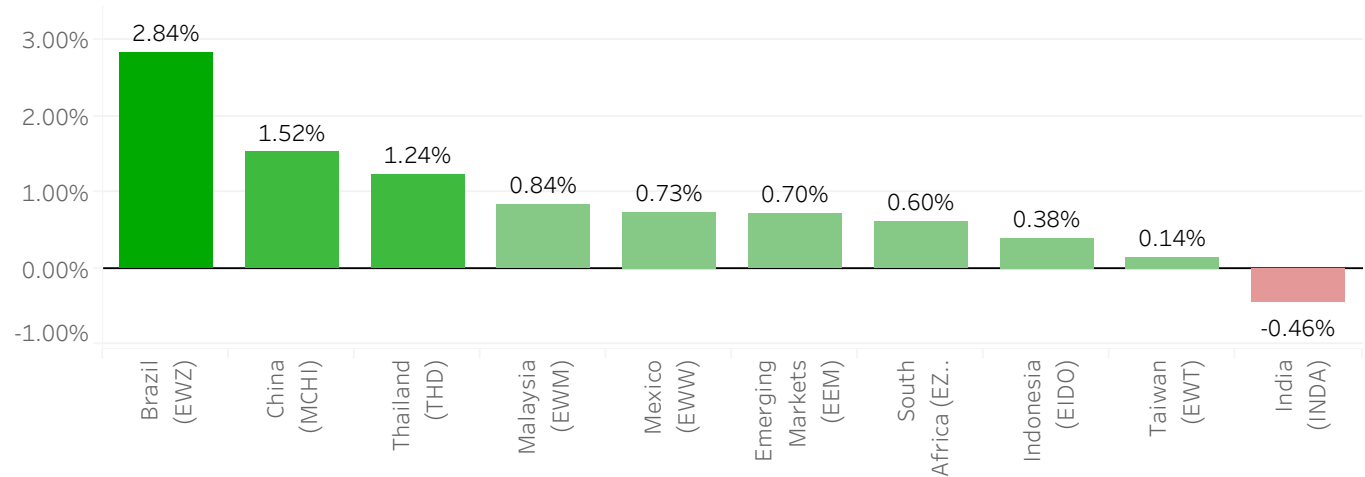
Ticker	Fund	Price
EWK	iShares MSCI Hong Kong ETF	42.58
DXJ	WisdomTree Japan Hedged Equity Fund	47.04
AIA	iShares Asia 50 ETF	47.20
IDOG	ALPS International Sector Dividend Dogs ETF	49.02
FIDI	Fidelity International High Dividend ETF	50.27
AAXJ	iShares MSCI All Country Asia ex Japan ETF	51.05
HEWJ	iShares Currency Hedged MSCI Japan ETF	51.08
LVHI	Franklin International Low Volatility High Dividend I..	51.09
DTH	WisdomTree International High Dividend Fund	51.12
FYLD	Cambria Foreign Shareholder Yield ETF	51.15

*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)



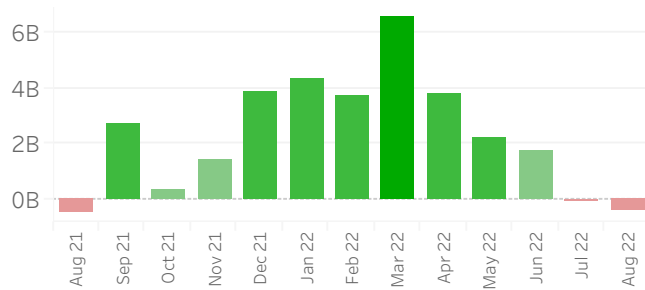
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EWZS	iShares MSCI Brazil Small-Cap ETF	5.34%
FLBR	Franklin FTSE Brazil ETF	3.18%
EWZ	iShares MSCI Brazil ETF	2.84%
FLLA	Franklin FTSE Latin America ETF	2.41%
PGJ	Invesco Golden Dragon China ETF	2.18%
ILF	iShares Latin America 40 ETF	2.00%
TUR	iShares MSCI Turkey ETF	1.72%
NFTY	First Trust India NIFTY 50 Equal Weight ETF	1.71%
FXI	iShares China Large-Cap ETF	1.57%
MCHI	iShares MSCI China ETF	1.52%

Emerging Most Overbought

Ticker	Fund	Price
PIN	Invesco India ETF	71.27
FLIN	Franklin FTSE India ETF	70.33
INDA	iShares MSCI India ETF	68.11
NFTY	First Trust India NIFTY 50 Equal Weight ETF	67.94
EIDO	iShares MSCI Indonesia ETF	67.56
QAT	iShares MSCI Qatar ETF	66.81
EWZS	iShares MSCI Brazil Small-Cap ETF	66.54
INDY	iShares India 50 ETF	66.32
TUR	iShares MSCI Turkey ETF	65.72
SMIN	iShares MSCI India Small Cap ETF	65.71

Emerging 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
EPOL	iShares MSCI Poland ETF	-0.84%
INDY	iShares India 50 ETF	-0.83%
INDA	iShares MSCI India ETF	-0.46%
EPI	WisdomTree India Earnings Fund	-0.34%
FLIN	Franklin FTSE India ETF	-0.23%
QAT	iShares MSCI Qatar ETF	-0.13%
SMIN	iShares MSCI India Small Cap ETF	-0.13%
PIN	Invesco India ETF	-0.08%
KSA	iShares MSCI Saudi Arabia ETF	-0.02%
PIE	Invesco DWA Emerging Markets Momentum ETF	0.10%

Emerging Most Oversold

Ticker	Fund	Price
ECNS	iShares MSCI China Small-Cap ETF	34.98
KBA	KraneShares Bosera MSCI China A 50 Connect Index ..	35.18
RAYC	Rayliant Quantamental China Equity ETF	36.30
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	36.73
CNYA	iShares MSCI China A ETF	36.80
GXC	SPDR S&P China ETF	38.39
SDEM	Global X MSCI SuperDividend Emerging Markets ETF	38.81
FLCH	Franklin FTSE China ETF	39.30
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	39.93
MCHI	iShares MSCI China ETF	40.24

*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	0.24%	1.69%	-7.88%
SHY	1-3 Year Treasury Bonds	0.13%	-0.07%	-2.77%
IEF	7-10 Year Treasury Bonds	0.51%	1.98%	-7.81%
TLT	20+ Year Treasury Bonds	-0.03%	3.20%	-18.56%
TIP	TIPS Bonds	-0.02%	2.01%	-5.72%
FLOT	Floating Rate Bonds	0.08%	0.62%	-0.63%
LQD	Investment Grade Corporate	0.16%	3.35%	-12.17%
HYG	High Yield Corporate	0.27%	6.44%	-7.34%
BKLN	Senior Loan	0.52%	4.13%	-2.11%
PFF	Preferred & Income Securities	0.00%	7.56%	-7.92%
MUB	Municipal Bonds	0.02%	2.05%	-5.58%
MBB	MBS	0.10%	1.92%	-6.18%
EMB	Dollar Denominated EM Bonds	0.21%	3.31%	-16.50%
LEMB	Local Currency EM Bond	0.64%	0.79%	-12.37%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	-0.06%	0.89%	21.92%
DBE	Energy	-2.53%	-10.04%	40.11%
USO	WTI Crude Oil	-2.72%	-12.42%	31.59%
BNO	Brent Crude Oil	-3.01%	-11.94%	40.41%
UNG	Natural Gas	-1.26%	45.88%	125.54%
UGA	Gasoline	-4.90%	-20.39%	36.56%
DBP	Precious Metals	1.40%	-0.47%	-5.43%
GLD	Gold	1.65%	-0.68%	-2.22%
SLV	Silver	0.81%	1.80%	-13.34%
PPLT	abrdn Physical Platin..	3.39%	4.60%	-3.89%
PALL	abrdn Physical Palla..	2.58%	6.13%	9.10%
DBB	Base Metals	1.78%	1.04%	-12.44%
CPER	Copper	0.33%	-3.30%	-22.46%
LD	Lead	5.38%	5.78%	-10.73%
JJN	Nickel	-1.44%	1.04%	8.03%
JJU	Aluminum	0.90%	-4.03%	-14.61%
JJT	Tin	0.44%	-7.13%	-35.99%
DBA	Agriculture	1.52%	0.40%	1.57%
CORN	Corn	1.53%	-0.33%	13.88%
SOYB	Soybeans	3.35%	2.07%	16.79%
WEAT	Wheat	1.99%	-4.87%	11.10%
CANE	Sugar	-1.35%	-4.17%	-5.00%
BAL	Cotton	0.22%	-2.14%	1.38%
NIB	Cocoa	3.44%	1.60%	-13.79%
JO	Coffee	2.18%	-2.12%	-2.11%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	-0.63%	0.75%	10.26%
UDN	Short Dollar	0.66%	-0.61%	-9.89%
FXE	Euro	0.74%	-1.86%	-10.49%
FXB	British Pound Sterling	0.24%	0.65%	-10.11%
FXF	Swiss Franc	0.59%	0.43%	-5.14%
FXJ	Japanese Yen	0.81%	1.75%	-13.60%
FXC	Canadian Dollar	-0.11%	0.28%	-1.86%
FXA	Australian Dollar	0.33%	2.21%	-4.23%

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

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