

Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

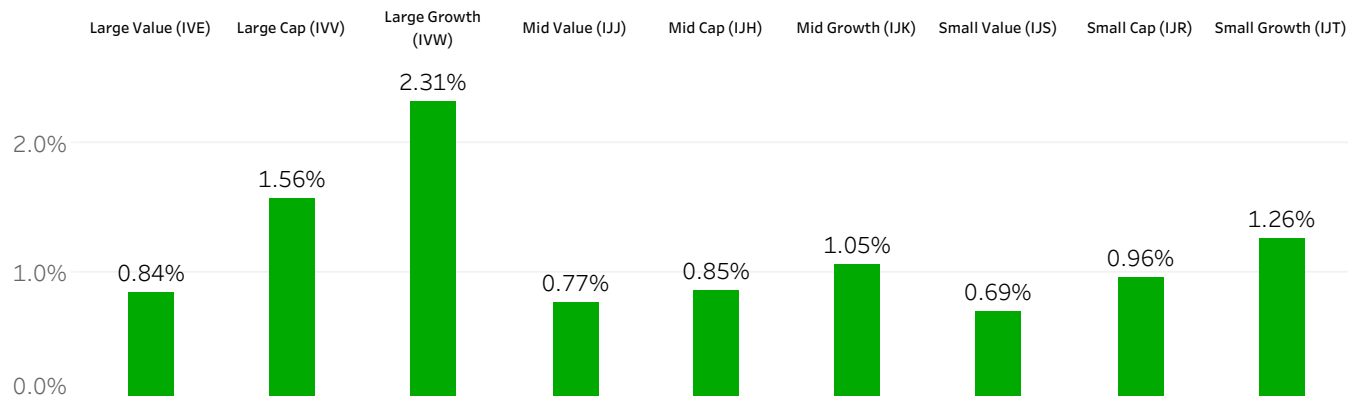


Small Cap Blend (S&P 600) IJR



■ 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 |
|--------|--------------------------------------------|-------------|
| TMFS | Motley Fool Small-Cap Growth ETF | 3.88% |
| IPO | Renaissance IPO ETF | 3.81% |
| BUZZ | VanEck Social Sentiment ETF | 3.67% |
| LCG | Sterling Capital Focus Equity ETF | 2.84% |
| QQQ | Invesco QQQ Trust | 2.72% |
| MGK | Vanguard Mega Cap Growth ETF | 2.67% |
| QQQM | Invesco NASDAQ 100 ETF | 2.66% |
| MMLG | First Trust Multi-Manager Large Growth ETF | 2.57% |
| ONEQ | Fidelity Nasdaq Composite Index ETF | 2.54% |
| VUG | Vanguard Growth ETF | 2.51% |

Size & Style Most Overbought

| Ticker | Fund | Value |
|--------|--------------------------------------------------------|-------|
| ACSI | American Customer Satisfaction ETF | 78.70 |
| GUSA | Goldman Sachs MarketBeta U.S. 1000 Equity ETF | 77.45 |
| USNZ | Xtrackers Net Zero Pathway Paris Aligned US Equity ETF | 74.49 |
| NZUS | SPDR MSCI USA Climate Paris Aligned ETF | 73.22 |
| QVMS | Invesco S&P SmallCap 600 QVM Multi-factor ETF | 72.23 |
| PWC | Invesco Dynamic Market ETF | 72.13 |
| QQXT | First Trust Nasdaq-100 Ex-Technology Sector Index Fund | 71.26 |
| ALTL | Pacer Lunt Large Cap Alternator ETF | 71.12 |
| JSML | Janus Henderson Small Cap Growth Alpha ETF | 70.66 |
| ETHO | Etho Climate Leadership U.S. ETF | 70.25 |

Size & Style 1-Day Performance Laggards

| Ticker | Fund | Performance |
|--------|--------------------------------------------------------|-------------|
| QMOM | Alpha Architect U.S. Quantitative Momentum ETF | -0.65% |
| UTRN | Vesper U.S. Large Cap Short-Term Reversal Strategy ETF | -0.29% |
| REGL | ProShares S&P MidCap 400 Dividend Aristocrats ETF | -0.14% |
| XSLV | Invesco S&P SmallCap Low Volatility ETF | -0.13% |
| DWAS | Invesco DWA SmallCap Momentum ETF | -0.12% |
| PTLC | Pacer Trendpilot US Large Cap ETF | -0.08% |
| DHS | WisdomTree U.S. High Dividend Fund | -0.06% |
| DIVZ | TrueShares Low Volatility Equity Income ETF | -0.03% |
| LFEQ | VanEck Long/Flat Trend ETF | -0.01% |
| SPC | CrossingBridge Pre-Merger SPAC ETF | 0.00% |

Size & Style Most Oversold

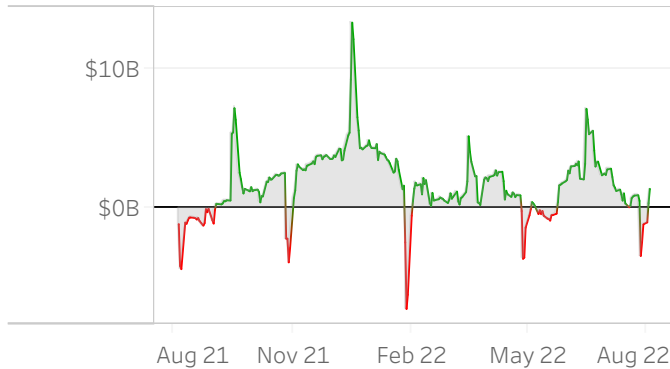
| Ticker | Fund | Value |
|--------|------------------------------------------------------|-------|
| ABEQ | Absolute Select Value ETF | 48.87 |
| PTMC | Pacer Trendpilot US Mid Cap ETF | 49.24 |
| PTLC | Pacer Trendpilot US Large Cap ETF | 49.53 |
| LFEQ | VanEck Long/Flat Trend ETF | 49.82 |
| RUFF | Alpha Dog ETF | 49.98 |
| CDC | VictoryShares US EQ Income Enhanced Volatility Wt.. | 52.56 |
| DJD | Invesco Dow Jones Industrial Average Dividend ETF | 52.59 |
| UTRN | Vesper U.S. Large Cap Short-Term Reversal Strategy.. | 54.21 |
| DHS | WisdomTree U.S. High Dividend Fund | 54.67 |
| WBIY | WBI Power Factor High Dividend ETF | 54.96 |

*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 | \$1,241B | (\$2.49B) | \$35.49B | \$31.30B | \$120.46B |
| Large Cap, Beta Growth, Beta: Growth | 10 | \$234B | \$1.08B | \$8.80B | \$12.44B | \$16.55B |
| Large Cap, Beta Growth, Beta: Value | 11 | \$215B | (\$0.67B) | \$3.18B | \$12.30B | \$25.63B |
| Mid Cap, Beta, Beta | 10 | \$178B | \$0.30B | \$2.95B | \$5.05B | \$13.16B |
| Mid Cap, Beta, Beta: Growth | 6 | \$33B | \$0.36B | \$0.91B | \$0.70B | \$0.93B |
| Mid Cap, Beta, Beta: Value | 6 | \$39B | (\$0.16B) | \$0.08B | (\$0.47B) | \$1.00B |
| Small Cap, Beta, Beta | 13 | \$193B | \$0.90B | (\$1.14B) | (\$2.18B) | \$9.00B |
| Small Cap, Beta, Beta: Growth | 7 | \$32B | \$0.02B | \$0.97B | \$1.14B | \$1.79B |
| Small Cap, Beta, Beta: Value | 7 | \$50B | (\$0.05B) | (\$1.02B) | (\$4.65B) | (\$2.52B) |

U.S. Size & Style Flow Leaders

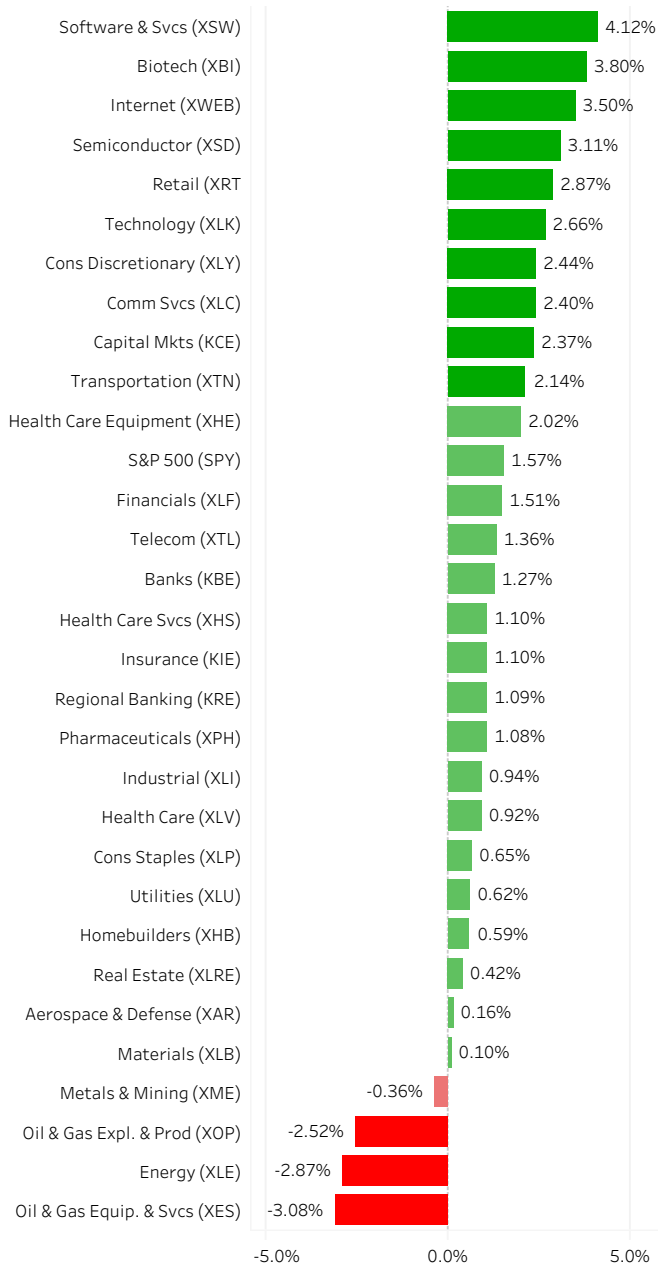
| Ticker | Fund | 1 Week | 3 Month | 6 Month | 1 Year | AUM |
|--------|----------------------------------------------|---------|-----------|-----------|-----------|-----------|
| VOO | Vanguard S&P 500 ETF | \$0.63B | \$14.75B | \$14.42B | \$43.96B | \$269.38B |
| IWM | iShares Russell 2000 ETF | \$0.55B | (\$0.88B) | (\$2.38B) | (\$1.33B) | \$54.13B |
| SPLV | Invesco S&P 500 Low Volatility ETF | \$0.54B | \$1.44B | \$1.82B | \$3.01B | \$11.05B |
| OMFL | Invesco Russell 1000 Dynamic Multifactor ETF | \$0.42B | \$0.42B | \$0.60B | \$1.00B | \$2.37B |
| VUG | Vanguard Growth ETF | \$0.36B | \$3.36B | \$6.21B | \$7.16B | \$76.91B |
| VTI | Vanguard Total Stock Market ETF | \$0.35B | \$4.13B | \$10.00B | \$35.15B | \$267.45B |
| MDYG | SPDR S&P 400 Mid Cap Growth ETF | \$0.35B | \$0.27B | \$0.27B | \$0.31B | \$1.76B |
| QQQM | Invesco NASDAQ 100 ETF | \$0.34B | \$0.99B | \$1.90B | \$4.40B | \$5.12B |
| IJR | iShares Core S&P Small Cap ETF | \$0.28B | \$0.90B | \$1.18B | \$5.90B | \$67.96B |
| VONG | Vanguard Russell 1000 Growth ETF | \$0.23B | \$0.63B | \$0.76B | \$1.37B | \$7.49B |

U.S. Size & Style Flow Laggards

| Ticker | Fund | 1 Week | 3 Month | 6 Month | 1 Year | AUM |
|--------|-------------------------------------------------|-----------|-----------|-----------|----------|-----------|
| SPY | SPDR S&P 500 ETF Trust | (\$3.83B) | (\$0.43B) | (\$5.18B) | \$13.76B | \$367.63B |
| SPYD | SPDR Portfolio S&P 500 High Dividend ETF | (\$1.47B) | \$1.77B | \$2.70B | \$3.23B | \$7.93B |
| SDY | SPDR S&P Dividend ETF | (\$1.39B) | \$0.79B | \$1.53B | \$2.02B | \$22.01B |
| SPHD | Invesco S&P 500 High Dividend Low Volatility .. | (\$0.78B) | \$0.39B | \$0.82B | \$0.87B | \$3.91B |
| IWD | iShares Russell 1000 Value ETF | (\$0.25B) | \$0.15B | (\$0.92B) | \$1.02B | \$52.74B |
| IVE | iShares S&P 500 Value ETF | (\$0.24B) | \$0.07B | \$1.27B | \$2.69B | \$24.18B |
| ITOT | iShares Core S&P Total U.S. Stock Market ETF | (\$0.24B) | \$2.40B | \$2.40B | \$5.02B | \$42.90B |
| USMV | iShares MSCI USA Min Vol Factor ETF | (\$0.22B) | \$0.95B | \$0.90B | \$0.90B | \$28.14B |
| RDIV | Invesco S&P Ultra Dividend Revenue ETF | (\$0.20B) | \$0.05B | \$0.07B | \$0.05B | \$0.81B |
| MGV | Vanguard Mega Cap Value ETF | (\$0.16B) | \$0.31B | \$0.67B | \$1.10B | \$5.45B |

* 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 | -3.40% | 16.96% | 5.28% | 5.86% | 69.91 |
| XLP | Consumer Staples Select Sector SPDR Fund | -6.53% | 9.46% | 3.54% | 1.00% | 63.35 |
| XLV | Health Care Select Sector SPDR Fund | -7.48% | 10.23% | 2.74% | -0.06% | 57.48 |
| XLI | Industrial Select Sector SPDR Fund | -10.74% | 11.84% | 5.95% | -2.94% | 68.51 |
| SPY | SPDR S&P 500 ETF Trust | -13.24% | 13.28% | 5.72% | -4.10% | 66.38 |
| XLB | Materials Select Sector SPDR Fund | -15.25% | 8.26% | -0.96% | -8.66% | 54.93 |
| XLRE | Real Estate Select Sector SPDR Fund | -15.96% | 12.07% | 4.01% | -5.42% | 61.32 |
| XLK | Technology Select Sector SPDR Fund | -16.96% | 18.79% | 9.46% | -3.14% | 68.51 |
| XLF | Financial Select Sector SPDR Fund | -18.98% | 9.17% | 2.60% | -8.99% | 59.12 |
| XLE | Energy Select Sector SPDR Fund | -19.35% | 62.52% | -3.66% | 6.12% | 50.71 |
| XLY | Consumer Discretionary Select Sector SPDR Fund | -21.26% | 23.66% | 12.75% | -5.32% | 70.47 |
| XLC | Communication Services Select Sector SPDR Fund | -33.12% | 8.42% | 1.92% | -14.45% | 56.23 |

Sector & Industry 1 Day Performance Leaders

| Ticker | Fund | 1 Day Performance |
|--------|------------------------------------------------|-------------------|
| XSW | SPDR S&P Software & Services ETF | 4.12% |
| FBT | First Trust NYSE Arca Biotechnology Index Fund | 3.88% |
| IBB | iShares Biotechnology ETF | 3.83% |
| PNQI | Invesco NASDAQ Internet ETF | 3.82% |
| XBI | SPDR S&P BIOTECH ETF | 3.80% |
| FDN | First Trust Dow Jones Internet Index Fund | 3.23% |
| IGV | iShares Expanded Tech-Software Sector ETF | 3.20% |
| XSD | SPDR S&P Semiconductor ETF | 3.11% |
| VGT | Vanguard Information Technology ETF | 2.90% |
| IYW | iShares U.S. Technology ETF | 2.89% |

Sector & Industry Most Overbought

| Ticker | Fund | RSI (14D) |
|--------|-------------------------------------------------------|-----------|
| IGN | iShares North American Tech-Multimedia Networking E.. | 77.68 |
| XTL | SPDR S&P Telecom ETF | 74.99 |
| PSCT | Invesco S&P SmallCap Information Technology ETF | 73.59 |
| XHS | SPDR S&P Health Care Services ETF | 73.01 |
| PTF | Invesco DWA Technology Momentum ETF | 72.91 |
| XSD | SPDR S&P Semiconductor ETF | 72.28 |
| IDU | iShares U.S. Utilities ETF | 71.31 |
| RYT | Invesco S&P 500 Equal Weight Technology ETF | 71.30 |
| TDV | ProShares S&P Technology Dividend Aristocrats ETF | 71.19 |
| UTES | Virtus Reaves Utilities ETF | 71.02 |

Sector & Industry 1 Day Performance Laggards

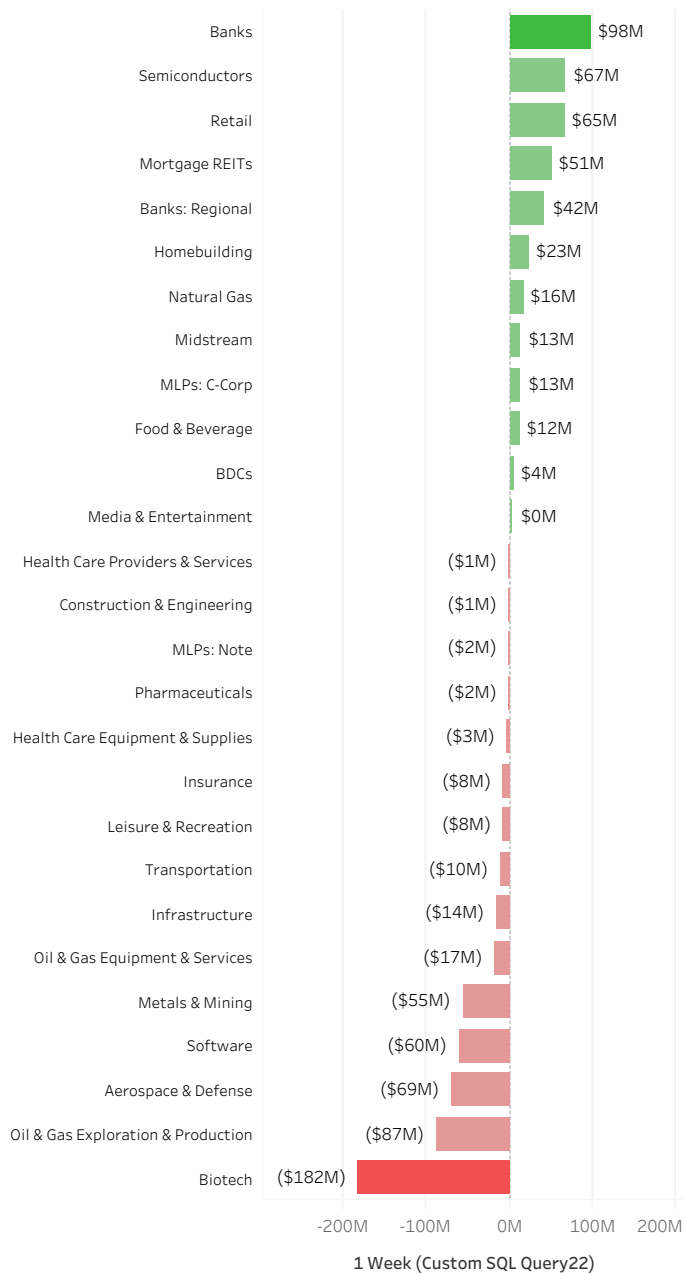
| Ticker | Fund | 1 Day Performance |
|--------|-----------------------------------------------------|-------------------|
| PSCE | Invesco S&P SmallCap Energy ETF | -3.80% |
| PXI | Invesco DWA Energy Momentum ETF | -3.21% |
| PXE | Invesco Dynamic Energy Exploration & Production ETF | -3.18% |
| XES | SPDR S&P Oil & Gas Equipment & Services ETF | -3.08% |
| XLE | Energy Select Sector SPDR Fund | -2.87% |
| VDE | Vanguard Energy ETF | -2.74% |
| FTXN | First Trust Nasdaq Oil & Gas ETF | -2.72% |
| IEO | iShares U.S. Oil & Gas Exploration & Production ETF | -2.71% |
| FCG | First Trust Natural Gas ETF | -2.67% |
| RYE | Invesco S&P 500 Equal Weight Energy ETF | -2.66% |

Sector & Industry Most Oversold

| Ticker | Fund | RSI (14D) |
|--------|-----------------------------------------------------|-----------|
| KBWP | Invesco KBW Property & Casualty Insurance ETF | 33.42 |
| IHE | iShares U.S. Pharmaceuticals ETF | 45.48 |
| IAK | iShares U.S. Insurance ETF | 48.58 |
| RYE | Invesco S&P 500 Equal Weight Energy ETF | 49.29 |
| PJP | Invesco Dynamic Pharmaceuticals ETF | 49.63 |
| KIE | SPDR S&P Insurance ETF | 50.40 |
| XLE | Energy Select Sector SPDR Fund | 50.71 |
| IEO | iShares U.S. Oil & Gas Exploration & Production ETF | 50.98 |
| FCG | First Trust Natural Gas ETF | 51.60 |
| PXI | Invesco DWA Energy Momentum ETF | 51.63 |

* 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 | \$57M | (\$210M) | (\$500M) | (\$549M) |
| Consumer Discretionary | 13 | \$24B | \$621M | (\$1,706M) | (\$3,368M) | (\$4,625M) |
| Consumer Staples | 12 | \$28B | \$324M | (\$6M) | \$3,209M | \$5,263M |
| Energy | 34 | \$72B | (\$72M) | (\$4,407M) | (\$3,867M) | \$1,107M |
| Financials | 28 | \$57B | \$338M | (\$8,513M) | (\$18,103M) | (\$7,976M) |
| Health Care | 26 | \$92B | \$1M | \$3,500M | \$7,595M | \$12,385M |
| Industrial | 14 | \$29B | \$330M | (\$2,360M) | (\$2,101M) | (\$5,264M) |
| Materials | 10 | \$14B | \$21M | (\$2,420M) | (\$437M) | (\$1,467M) |
| Multi-Sector | 19 | \$15B | \$12M | (\$492M) | (\$4,246M) | (\$3,648M) |
| Real Estate | 25 | \$69B | (\$80M) | (\$2,804M) | (\$5,127M) | \$2,108M |
| Technology | 24 | \$127B | \$729M | \$532M | \$299M | \$4,767M |
| Utilities | 10 | \$27B | (\$21M) | \$1,119M | \$3,527M | \$4,779M |

U.S. Sector & Industry Flow Leaders

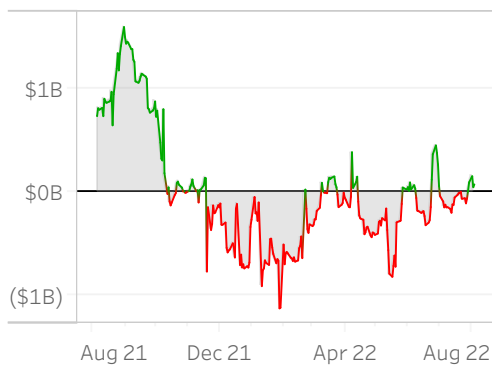
| Ticker | Fund | 1 Week | 3 Month | 6 Month | 1 Year | AUM |
|--------|------------------------------------------------|--------|------------|-------------|------------|-----------|
| XLK | Technology Select Sector SPDR Fund | \$631M | \$678M | \$1,314M | \$2,311M | \$43,579M |
| XLY | Consumer Discretionary Select Sector SPDR Fu.. | \$564M | (\$1,058M) | (\$1,450M) | (\$1,041M) | \$16,139M |
| XLI | Industrial Select Sector SPDR Fund | \$376M | (\$1,070M) | (\$2,539M) | (\$4,626M) | \$13,357M |
| XLP | Consumer Staples Select Sector SPDR Fund | \$270M | (\$605M) | \$622M | \$1,871M | \$15,637M |
| XLF | Financial Select Sector SPDR Fund | \$158M | (\$4,945M) | (\$10,980M) | (\$5,124M) | \$29,714M |
| VGT | Vanguard Information Technology ETF | \$138M | \$694M | \$1,120M | \$2,127M | \$45,808M |
| XLV | Health Care Select Sector SPDR Fund | \$118M | \$2,642M | \$5,609M | \$7,578M | \$39,546M |
| KBWB | Invesco KBW Bank ETF | \$88M | (\$446M) | (\$952M) | (\$109M) | \$1,837M |
| XLB | Materials Select Sector SPDR Fund | \$69M | (\$758M) | (\$1,023M) | (\$1,773M) | \$6,065M |
| XRT | SPDR S&P Retail ETF | \$65M | \$13M | \$306M | (\$460M) | \$461M |

U.S. Sector & Industry Flow Laggards

| Ticker | Fund | 1 Week | 3 Month | 6 Month | 1 Year | AUM |
|--------|-------------------------------------------------|----------|------------|------------|------------|-----------|
| XBI | SPDR S&P BIOTECH ETF | (\$120M) | \$1,011M | \$1,612M | \$3,279M | \$7,453M |
| XOP | SPDR S&P Oil & Gas Exploration & Production E.. | (\$87M) | (\$888M) | (\$902M) | (\$1,017M) | \$4,447M |
| VNQ | Vanguard Real Estate ETF | (\$79M) | (\$1,943M) | (\$2,314M) | \$598M | \$40,132M |
| ITA | iShares U.S. Aerospace & Defense ETF | (\$77M) | \$100M | \$1,381M | \$1,023M | \$3,827M |
| IGV | iShares Expanded Tech-Software Sector ETF | (\$59M) | \$97M | (\$197M) | \$1,191M | \$4,493M |
| IBB | iShares Biotechnology ETF | (\$55M) | \$27M | (\$184M) | (\$205M) | \$7,903M |
| XME | SPDR S&P Metals & Mining ETF | (\$55M) | (\$725M) | (\$175M) | (\$113M) | \$1,910M |
| IYR | iShares U.S. Real Estate ETF | (\$54M) | (\$588M) | (\$1,815M) | (\$680M) | \$4,272M |
| XLU | Utilities Select Sector SPDR Fund | (\$48M) | \$520M | \$2,147M | \$2,855M | \$16,650M |
| FTEC | Fidelity MSCI Information Technology Index ETF | (\$38M) | (\$135M) | (\$140M) | \$186M | \$5,665M |

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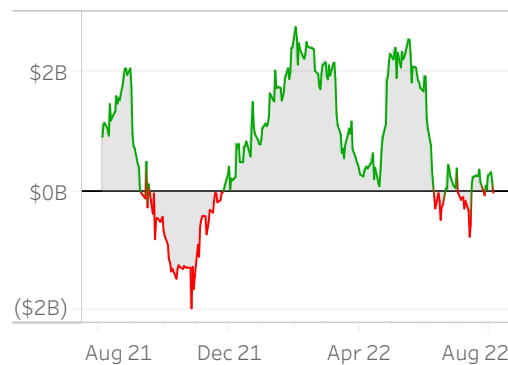
Communication Services



Consumer Discretionary



Consumer Staples



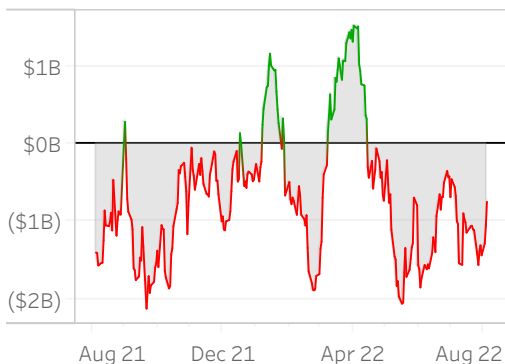
Energy



Financials



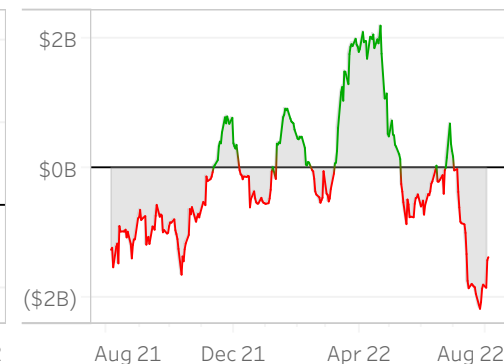
Industrial



Health Care



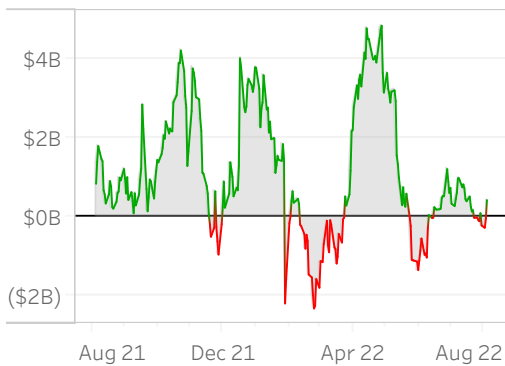
Materials



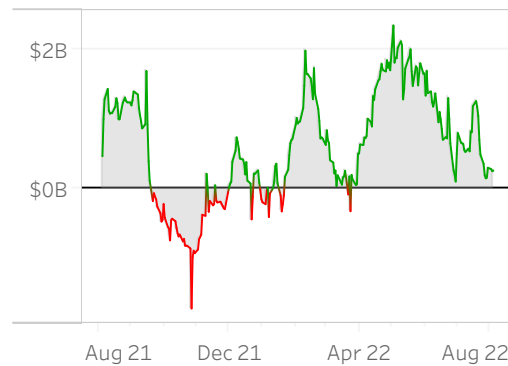
Real Estate



Technology



Utilities

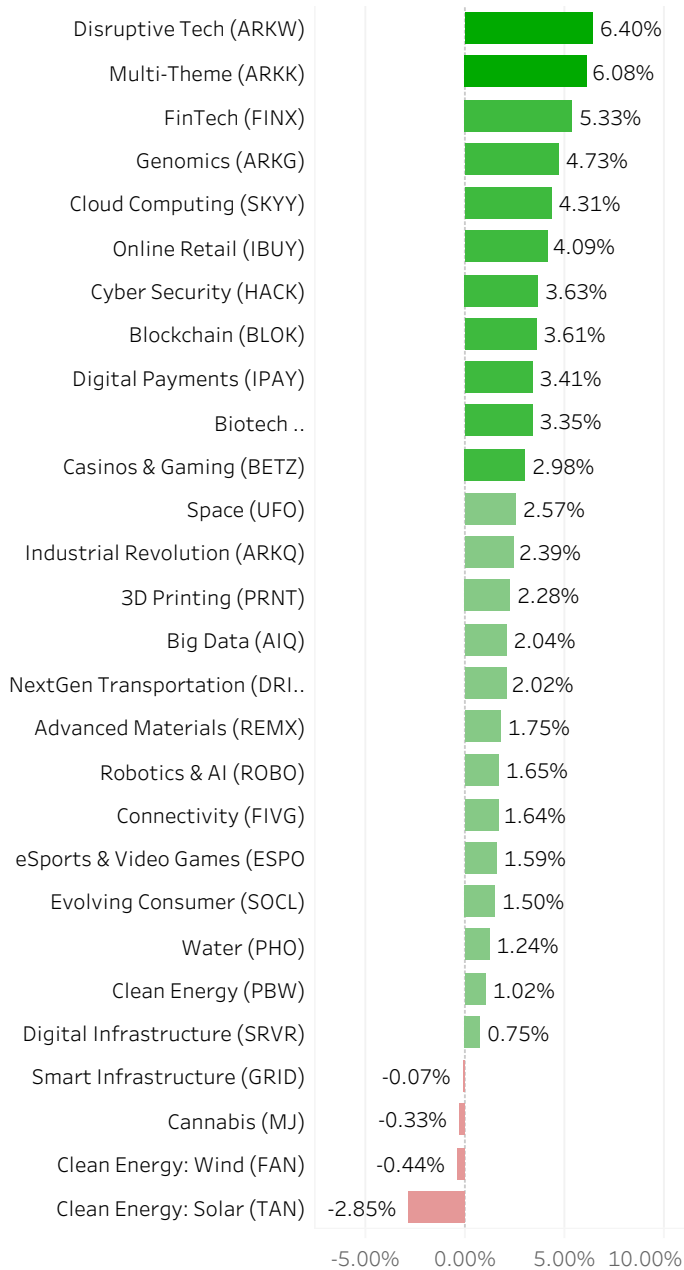


Multi-Sector

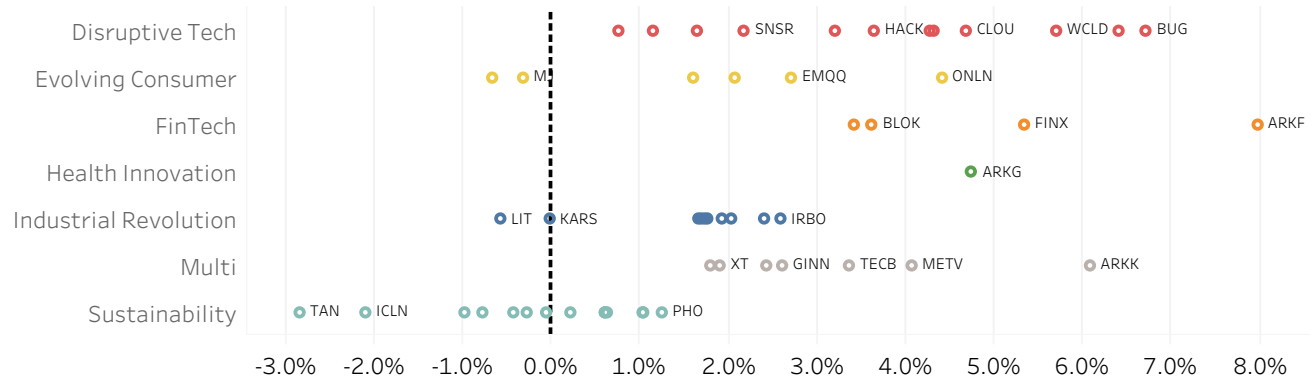


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

| Ticker | Fund | Performance |
|--------|----------------------------------------|-------------|
| ARKF | ARK Fintech Innovation ETF | 7.97% |
| BITQ | Bitwise Crypto Industry Innovators ETF | 6.78% |
| BUG | Global X Cybersecurity ETF | 6.70% |
| ARKW | ARK Next Generation Internet ETF | 6.40% |
| ARKK | ARK Innovation ETF | 6.08% |
| WCLD | WisdomTree Cloud Computing Fund | 5.69% |
| BKCH | Global X Blockchain ETF | 5.65% |
| FINX | Global X FinTech ETF | 5.33% |
| GNOM | Global X Genomics & Biotechnology ETF | 5.27% |
| ARKG | ARK Genomic Revolution ETF | 4.73% |

Thematic Most Overbought

| Ticker | Fund | Price |
|--------|------------------------------------------------------------|-------|
| EVX | VanEck Environmental Services ETF | 75.55 |
| FIW | First Trust Water ETF | 73.16 |
| ACES | ALPS Clean Energy ETF | 72.87 |
| PHO | Invesco Water Resources ETF | 72.26 |
| GRID | First Trust Nasdaq Clean Edge Smart GRID Infrastructure .. | 72.12 |
| CGW | Invesco S&P Global Water Index ETF | 71.73 |
| ARKX | ARK Space Exploration & Innovation ETF | 70.88 |
| SNSR | Global X Internet of Things ETF | 70.83 |
| IPAY | ETFMG Prime Mobile Payments ETF | 70.27 |
| HAIL | SPDR S&P Kensho Smart Mobility ETF | 69.55 |

Global Thematic 1-Day Performance Laggards

| Ticker | Fund | Performance |
|--------|---------------------------------------------------|-------------|
| TAN | Invesco Solar ETF | -2.85% |
| ICLN | iShares Global Clean Energy ETF | -2.11% |
| KGRN | KraneShares MSCI China Clean Technology Index ETF | -2.04% |
| CTEC | Global X CleanTech ETF | -1.54% |
| ERTH | Invesco MSCI Sustainable Future ETF | -0.99% |
| CNRG | SPDR S&P Kensho Clean Power ETF | -0.79% |
| MSOS | AdvisorShares Pure US Cannabis ETF | -0.68% |
| LIT | Global X Lithium & Battery Tech ETF | -0.58% |
| FAN | First Trust Global Wind Energy ETF | -0.44% |
| YOLO | AdvisorShares Pure Cannabis ETF | -0.34% |

Thematic Most Oversold

| Ticker | Fund | Price |
|--------|----------------------------------------------------|-------|
| KGRN | KraneShares MSCI China Clean Technology Index ETF | 37.21 |
| KWEB | KraneShares CSI China Internet ETF | 42.71 |
| MSOS | AdvisorShares Pure US Cannabis ETF | 48.98 |
| EMQQ | EMQQ The Emerging Markets Internet & Ecommerce ETF | 49.86 |
| SOCL | Global X Social Media ETF | 50.96 |
| MJ | ETFMG Alternative Harvest ETF | 51.21 |
| YOLO | AdvisorShares Pure Cannabis ETF | 51.87 |
| AGNG | Global X Aging Population ETF | 55.17 |
| KSTR | KraneShares SSE STAR Market 50 Index ETF | 55.67 |
| POTX | Global X Cannabis ETF | 56.35 |

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Thematic 1 Week Flow Leaders

| Ticker | Fund | |
|--------|-------------------------------------------------|--------|
| TAN | Invesco Solar ETF | \$217M |
| ICLN | iShares Global Clean Energy ETF | \$29M |
| ONLN | ProShares Online Retail ETF | \$16M |
| BUG | Global X Cybersecurity ETF | \$10M |
| DRIV | Global X Autonomous & Electric Vehicles ETF | \$9M |
| BOTZ | Global X Robotics & Artificial Intelligence ETF | \$9M |
| FIW | First Trust Water ETF | \$8M |
| CIBR | First Trust NASDAQ Cybersecurity ETF | \$6M |
| PHO | Invesco Water Resources ETF | \$5M |
| KOMP | SPDR S&P Kensho New Economies Composite ETF | \$4M |

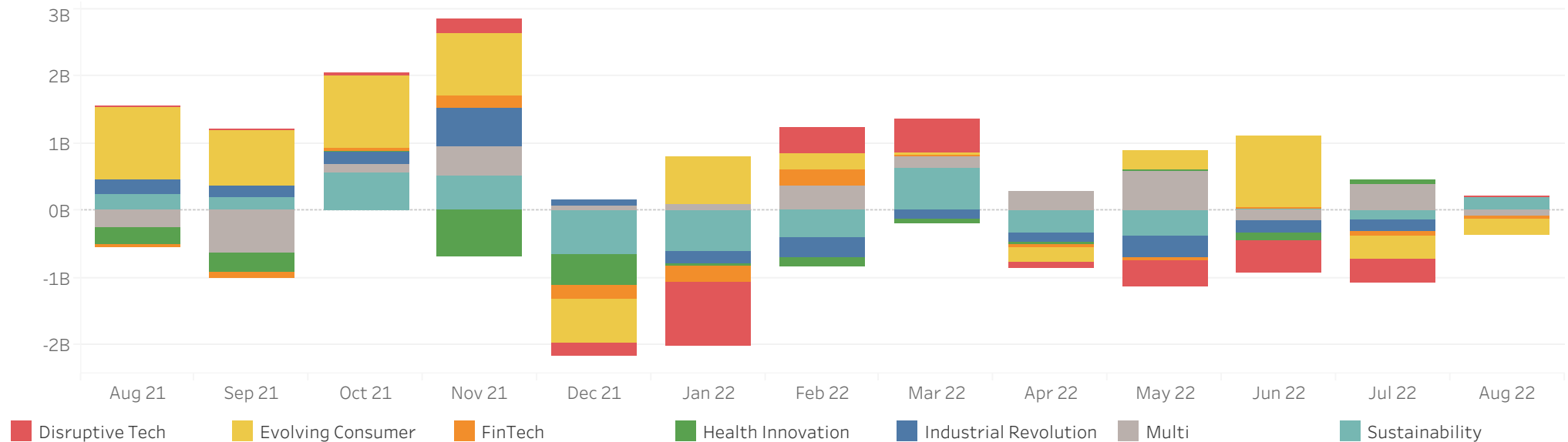
Thematic 1 Week Flow Laggards

| Ticker | Fund | |
|--------|---------------------------------------------------------------|----------|
| KWEB | KraneShares CSI China Internet ETF | (\$301M) |
| ARKG | ARK Genomic Revolution ETF | (\$34M) |
| ARKK | ARK Innovation ETF | (\$32M) |
| FINX | Global X FinTech ETF | (\$24M) |
| IPAY | ETFMG Prime Mobile Payments ETF | (\$17M) |
| ARKW | ARK Next Generation Internet ETF | (\$8M) |
| ARKQ | ARK Autonomous Technology & Robotics ETF | (\$5M) |
| REMX | VanEck Rare Earth/Strategic Metals ETF | (\$5M) |
| GRID | First Trust Nasdaq Clean Edge Smart GRID Infrastructure Index | (\$4M) |
| HERO | Global X Video Games & Esports ETF | (\$4M) |

Thematic Landscape Assets & Flows

| Segment | Funds | AUM | 1 Week | 3 Month | 6 Month | 1 Year |
|-----------------------|-------|-------|----------|------------|------------|------------|
| Disruptive Tech | 35 | \$19B | \$9M | (\$1,143M) | (\$315M) | (\$1,255M) |
| Evolving Consumer | 48 | \$11B | (\$276M) | \$747M | \$796M | \$4,821M |
| FinTech | 24 | \$3B | (\$25M) | (\$151M) | (\$9M) | (\$304M) |
| Health Innovation | 19 | \$4B | (\$19M) | (\$22M) | (\$242M) | (\$1,929M) |
| Industrial Revolution | 32 | \$13B | \$10M | (\$652M) | (\$1,064M) | (\$200M) |
| Multi | 42 | \$17B | (\$100M) | \$697M | \$2,002M | \$1,408M |
| Sustainability | 42 | \$20B | \$250M | (\$257M) | (\$309M) | (\$128M) |
| Grand Total | 242 | \$86B | (\$151M) | (\$780M) | \$858M | \$2,412M |

Thematic Monthly Flows

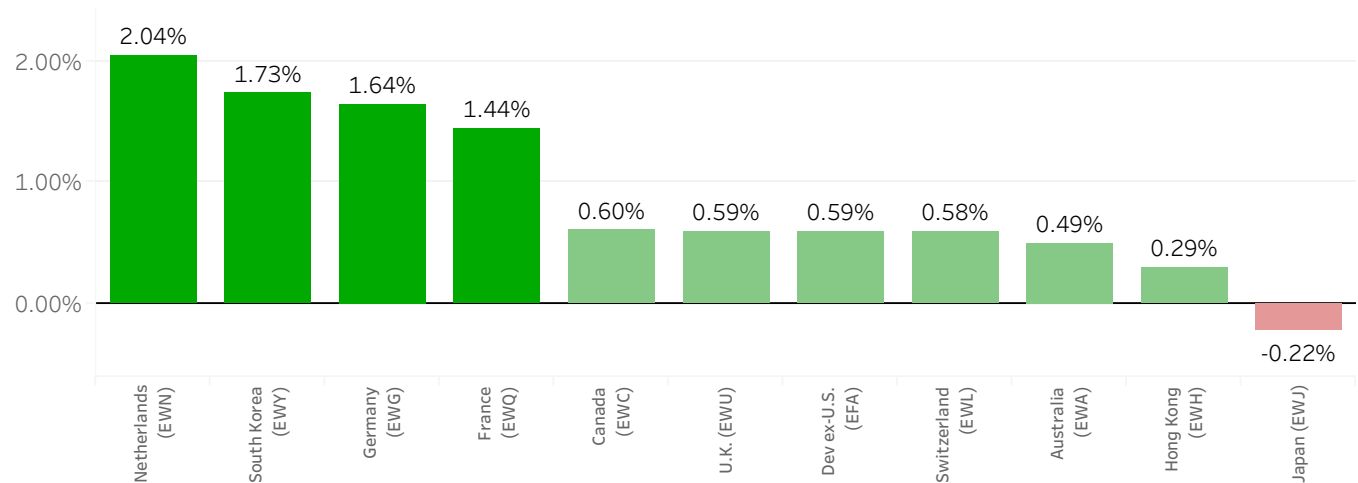


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

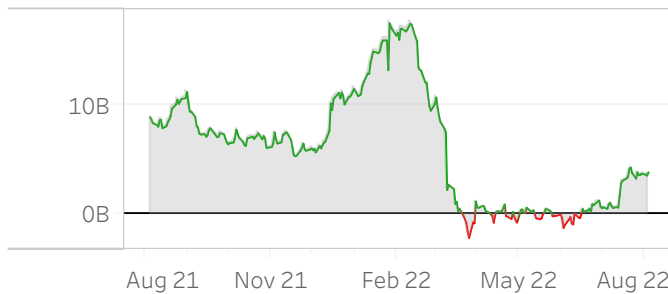
Developed ex-U.S. (EFA)



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



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



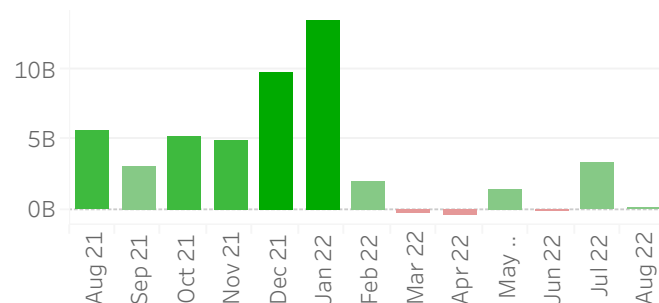
Developed ex-U.S. 1-Day Performance Leaders

| Ticker | Fund | 1-Day Performance |
|--------|-------------------------------------------|-------------------|
| IEUS | iShares MSCI Europe Small-Cap ETF | 2.15% |
| EWN | iShares MSCI Netherlands ETF | 2.04% |
| EIRL | iShares MSCI Ireland ETF | 1.89% |
| FLKR | Franklin FTSE South Korea ETF | 1.86% |
| ENZL | iShares MSCI New Zealand ETF | 1.85% |
| FEZ | SPDR EURO STOXX 50 ETF | 1.82% |
| EWD | iShares MSCI Sweden ETF | 1.81% |
| EWS | iShares MSCI Singapore ETF | 1.76% |
| EWUS | iShares MSCI United Kingdom Small Cap ETF | 1.74% |
| EWY | iShares MSCI South Korea ETF | 1.73% |

Developed ex-U.S. Most Overbought

| Ticker | Fund | Value |
|--------|-----------------------------------------|-------|
| ENZL | iShares MSCI New Zealand ETF | 69.17 |
| EWS | iShares MSCI Singapore ETF | 68.82 |
| TOK | iShares MSCI Kokusai ETF | 65.33 |
| GREK | Global X MSCI Greece ETF | 64.91 |
| EIS | iShares MSCI Israel ETF | 64.12 |
| ISRA | VanEck Israel ETF | 63.85 |
| EFG | iShares MSCI EAFE Growth ETF | 62.11 |
| HEDJ | WisdomTree Europe Hedged Equity Fund | 61.94 |
| EWN | iShares MSCI Netherlands ETF | 61.83 |
| DBEU | Xtrackers MSCI Europe Hedged Equity ETF | 61.81 |

Developed ex-U.S. Monthly Flows



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

| Ticker | Fund | 1-Day Performance |
|--------|---------------------------------------------------------|-------------------|
| FKU | First Trust United Kingdom AlphaDEX Fund | -4.38% |
| EDEN | iShares MSCI Denmark ETF | -2.21% |
| IMFL | Invesco International Developed Dynamic Multifactor ETF | -1.44% |
| CIL | VictoryShares International Volatility Wtd ETF | -0.98% |
| DFJ | WisdomTree Japan SmallCap Dividend Fund | -0.76% |
| SCJ | iShares MSCI Japan Small-Cap ETF | -0.66% |
| EWJV | iShares MSCI Japan Value ETF | -0.53% |
| IMTM | iShares MSCI Intl Momentum Factor ETF | -0.43% |
| IMOM | Alpha Architect International Quantitative Momentum ETF | -0.38% |
| FLJP | Franklin FTSE Japan ETF | -0.32% |

Developed ex-U.S. Most Oversold

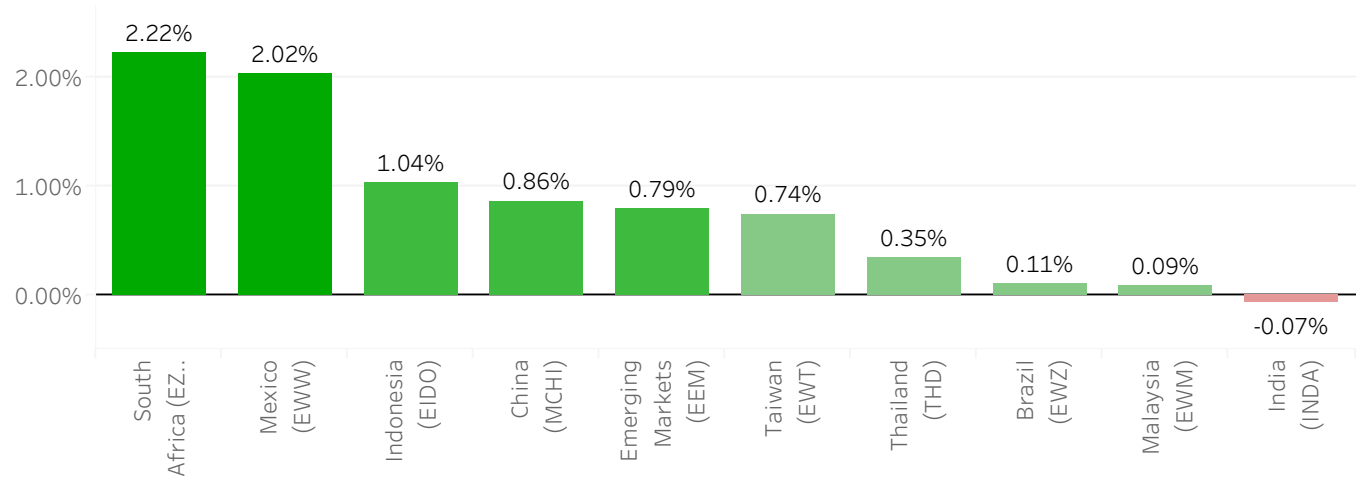
| Ticker | Fund | Value |
|--------|---------------------------------------------|-------|
| EWH | iShares MSCI Hong Kong ETF | 37.28 |
| AIA | iShares Asia 50 ETF | 43.53 |
| FKU | First Trust United Kingdom AlphaDEX Fund | 44.60 |
| AAXJ | iShares MSCI All Country Asia ex Japan ETF | 47.35 |
| PTIN | Pacer Trendpilot International ETF | 47.62 |
| IDOG | ALPS International Sector Dividend Dogs ETF | 48.65 |
| EWP | iShares MSCI Spain ETF | 49.16 |
| FIDI | Fidelity International High Dividend ETF | 50.01 |
| DTH | WisdomTree International High Dividend Fund | 50.25 |
| FYLD | Cambria Foreign Shareholder Yield ETF | 51.31 |

*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



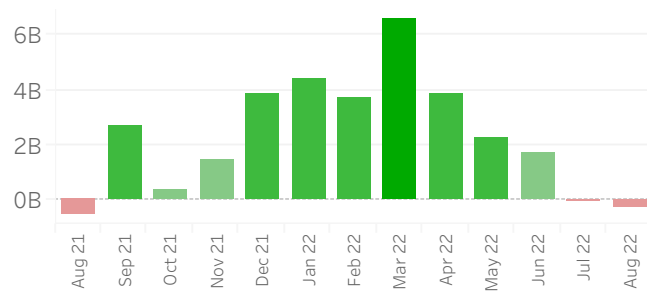
Emerging 1-Day Performance Leaders

| Ticker | Fund | Performance |
|--------|-----------------------------------------------------|-------------|
| EWZS | iShares MSCI Brazil Small-Cap ETF | 2.28% |
| EZA | iShares MSCI South Africa ETF | 2.22% |
| EWW | iShares MSCI Mexico ETF | 2.02% |
| FNI | First Trust Chindia ETF | 1.62% |
| PGJ | Invesco Golden Dragon China ETF | 1.59% |
| EPOL | iShares MSCI Poland ETF | 1.35% |
| TUR | iShares MSCI Turkey ETF | 1.33% |
| XCEM | Columbia EM Core ex-China ETF | 1.28% |
| ADRE | Invesco BLDRE Emerging Markets 50 ADR Index Fund | 1.24% |
| XSOE | WisdomTree Emerging Markets ex-State-Owned Enterp.. | 1.17% |

Emerging Most Overbought

| Ticker | Fund | Value |
|--------|---------------------------------------------|-------|
| PIN | Invesco India ETF | 71.77 |
| FLIN | Franklin FTSE India ETF | 71.73 |
| INDY | iShares India 50 ETF | 71.26 |
| INDA | iShares MSCI India ETF | 70.82 |
| QAT | iShares MSCI Qatar ETF | 67.59 |
| EPI | WisdomTree India Earnings Fund | 67.45 |
| SMIN | iShares MSCI India Small Cap ETF | 66.38 |
| EIDO | iShares MSCI Indonesia ETF | 66.24 |
| NFTY | First Trust India NIFTY 50 Equal Weight ETF | 64.13 |
| KSA | iShares MSCI Saudi Arabia ETF | 62.45 |

Emerging Monthly Flows



Emerging 1-Day Performance Laggards

| Ticker | Fund | Performance |
|--------|------------------------------------------------------|-------------|
| NFTY | First Trust India NIFTY 50 Equal Weight ETF | -1.77% |
| ECH | iShares MSCI Chile ETF | -1.11% |
| RAYC | Rayliant Quantamental China Equity ETF | -1.05% |
| KBA | KraneShares Bosera MSCI China A 50 Connect Index ETF | -0.84% |
| SMIN | iShares MSCI India Small Cap ETF | -0.74% |
| ASHR | Xtrackers Harvest CSI 300 China A-Shares ETF | -0.71% |
| CNYA | iShares MSCI China A ETF | -0.58% |
| DGRE | WisdomTree Emerging Markets Quality Dividend Growt.. | -0.55% |
| KSA | iShares MSCI Saudi Arabia ETF | -0.45% |
| EPI | WisdomTree India Earnings Fund | -0.37% |

Emerging Most Oversold

| Ticker | Fund | Value |
|--------|-----------------------------------------------------|-------|
| ECNS | iShares MSCI China Small-Cap ETF | 30.19 |
| RAYC | Rayliant Quantamental China Equity ETF | 30.35 |
| ASHR | Xtrackers Harvest CSI 300 China A-Shares ETF | 30.97 |
| KBA | KraneShares Bosera MSCI China A 50 Connect Index .. | 31.26 |
| CNYA | iShares MSCI China A ETF | 31.59 |
| GXC | SPDR S&P China ETF | 32.94 |
| CXSE | WisdomTree China ex-State-Owned Enterprises Fund | 34.52 |
| FLCH | Franklin FTSE China ETF | 34.84 |
| MCHI | iShares MSCI China ETF | 35.00 |
| SDEM | Global X MSCI SuperDividend Emerging Markets ETF | 35.79 |

* 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 | 0.45% | 1.45% | -8.10% |
| SHY | 1-3 Year Treasury Bonds | 0.04% | -0.21% | -2.90% |
| IEF | 7-10 Year Treasury Bonds | 0.41% | 1.46% | -8.27% |
| TLT | 20+ Year Treasury Bonds | 1.57% | 3.23% | -18.53% |
| TIP | TIPS Bonds | 0.53% | 2.03% | -5.70% |
| FLOT | Floating Rate Bonds | 0.00% | 0.54% | -0.71% |
| LQD | Investment Grade Corporate | 1.09% | 3.19% | -12.31% |
| HYG | High Yield Corporate | 0.88% | 6.16% | -7.59% |
| BKLN | Senior Loan | 0.48% | 3.59% | -2.62% |
| PFF | Preferred & Income Securities | 0.94% | 7.56% | -7.92% |
| MUB | Municipal Bonds | 0.20% | 2.03% | -5.60% |
| MBB | MBS | 0.40% | 1.82% | -6.28% |
| EMB | Dollar Denominated EM Bonds | 1.92% | 3.08% | -16.68% |
| LEMB | Local Currency EM Bond | 0.77% | 0.14% | -12.93% |

Commodities Performance

| Ticker | Name | 1 Day | 1 Month | YTD |
|--------|-------------------------|--------|---------|---------|
| DJP | Broad Commodities | 0.78% | 0.95% | 21.99% |
| DBE | Energy | -1.60% | -7.71% | 43.74% |
| USO | WTI Crude Oil | -3.16% | -9.97% | 35.26% |
| BNO | Brent Crude Oil | -3.35% | -9.21% | 44.76% |
| UNG | Natural Gas | 8.03% | 47.75% | 128.42% |
| UGA | Gasoline | -4.11% | -16.28% | 43.60% |
| DBP | Precious Metals | 0.24% | -1.85% | -6.73% |
| GLD | Gold | 0.24% | -2.30% | -3.81% |
| SLV | Silver | 0.43% | 0.98% | -14.04% |
| PPLT | abrdn Physical Platin.. | 0.11% | 1.17% | -7.04% |
| PALL | abrdn Physical Palla.. | -1.65% | 3.46% | 6.35% |
| DBB | Base Metals | -0.31% | -0.73% | -13.97% |
| CPER | Copper | -0.10% | -3.62% | -22.71% |
| LD | Lead | -5.12% | 0.37% | -15.29% |
| JJN | Nickel | 1.45% | 2.52% | 9.61% |
| JJU | Aluminum | -1.30% | -4.88% | -15.37% |
| JJT | Tin | 0.65% | -7.53% | -36.27% |
| DBA | Agriculture | 0.41% | -1.10% | 0.05% |
| CORN | Corn | 0.50% | -1.83% | 12.16% |
| SOYB | Soybeans | -0.77% | -1.23% | 13.01% |
| WEAT | Wheat | -0.49% | -6.72% | 8.93% |
| CANE | Sugar | 0.68% | -2.85% | -3.70% |
| BAL | Cotton | -0.02% | -2.36% | 1.16% |
| NIB | Cocoa | -2.23% | -1.78% | -16.66% |
| JO | Coffee | 2.93% | -4.21% | -4.20% |

Currencies Performance

| Ticker | Name | 1 Day | 1 Month | YTD |
|--------|------------------------|--------|---------|---------|
| UUP | Long Dollar | 0.28% | 1.39% | 10.96% |
| UDN | Short Dollar | -0.14% | -1.27% | -10.49% |
| FXE | Euro | 0.01% | -2.58% | -11.15% |
| FXB | British Pound Sterling | -0.20% | 0.40% | -10.32% |
| FXF | Swiss Franc | -0.37% | -0.16% | -5.70% |
| FXJ | Japanese Yen | -0.62% | 0.93% | -14.29% |
| FXC | Canadian Dollar | 0.22% | 0.39% | -1.75% |
| FXA | Australian Dollar | 0.40% | 1.87% | -4.54% |

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