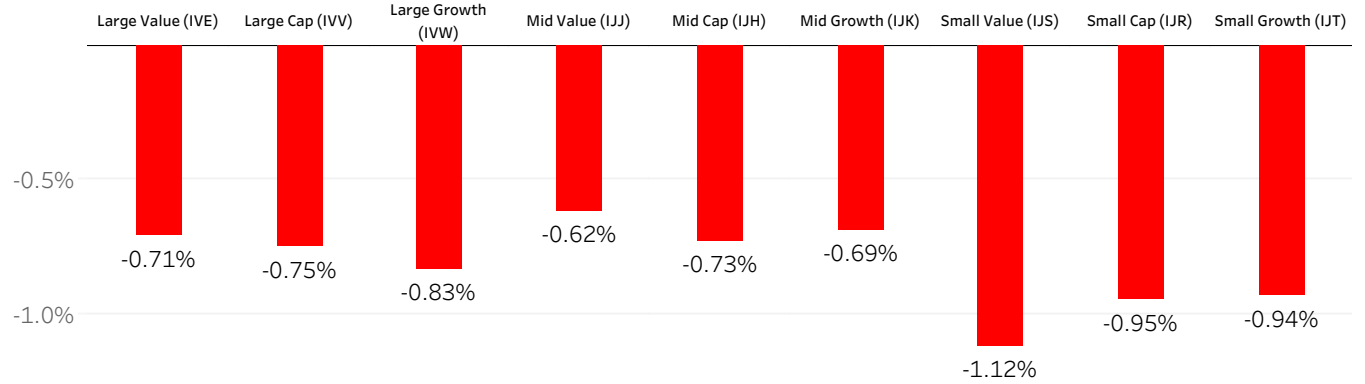


Large Cap Blend (S&P 500) IVV



U.S. Size & Style 1-Day Performance



Mid Cap Blend (S&P 400) IJH



Size & Style 1-Day Performance Leaders

| Ticker | Fund | Performance |
|--------|--|-------------|
| GURU | Global X Guru Index ETF | 0.26% |
| QMOM | Alpha Architect U.S. Quantitative Momentum ETF | 0.05% |
| LSAT | Leadershares Alphafactor Tactical Focused ETF | 0.04% |
| CSF | VictoryShares US Discovery Enhanced Volatility Wtd ETF | 0.03% |
| PTLC | Pacer Trendpilot US Large Cap ETF | 0.00% |
| SPC | CrossingBridge Pre-Merger SPAC ETF | 0.00% |
| MGMT | Ballast Small/Mid Cap ETF | -0.03% |
| PTNQ | Pacer Trendpilot 100 ETF | -0.04% |
| TPLE | Timothy Plan Us Large/Mid Cap Core Enhanced ETF | -0.04% |
| HKND | Humankind US Stock ETF | -0.07% |

Size & Style Most Overbought

| Ticker | Fund | Price |
|--------|--|-------|
| SPC | CrossingBridge Pre-Merger SPAC ETF | 56.10 |
| ONOF | Global X Adaptive U.S. Risk Management ETF | 55.49 |
| PTLC | Pacer Trendpilot US Large Cap ETF | 54.49 |
| QMOM | Alpha Architect U.S. Quantitative Momentum ETF | 52.14 |
| LSAT | Leadershares Alphafactor Tactical Focused ETF | 51.43 |
| DWAS | Invesco DWA SmallCap Momentum ETF | 46.80 |
| EQRR | ProShares Equities for Rising Rates ETF | 46.53 |
| VFMO | Vanguard U.S. Momentum Factor ETF | 45.17 |
| PWC | Invesco Dynamic Market ETF | 44.03 |
| PDP | Invesco DWA Momentum ETF | 43.98 |

Small Cap Blend (S&P 600) IJR



Size & Style 1-Day Performance Laggards

| Ticker | Fund | Performance |
|--------|--|-------------|
| QVMS | Invesco S&P SmallCap 600 QVM Multi-factor ETF | -6.22% |
| USNZ | Xtrackers Net Zero Pathway Paris Aligned US Equity ETF | -4.43% |
| QVML | Invesco S&P 500 QVM Multi-factor ETF | -4.31% |
| DEIF | Sterling Capital Diverse Multi-Manager Active ETF | -2.55% |
| ONEO | SPDR Russell 1000 Momentum Focus ETF | -2.26% |
| SSPY | Syntax Stratified LargeCap ETF | -1.77% |
| GUSA | Goldman Sachs MarketBeta U.S. 1000 Equity ETF | -1.75% |
| XRLV | Invesco S&P 500 ex-Rate Sensitive Low Volatility ETF | -1.62% |
| CALF | Pacer US Small Cap Cash Cows 100 ETF | -1.56% |
| RWJ | Invesco S&P SmallCap 600 Revenue ETF | -1.53% |

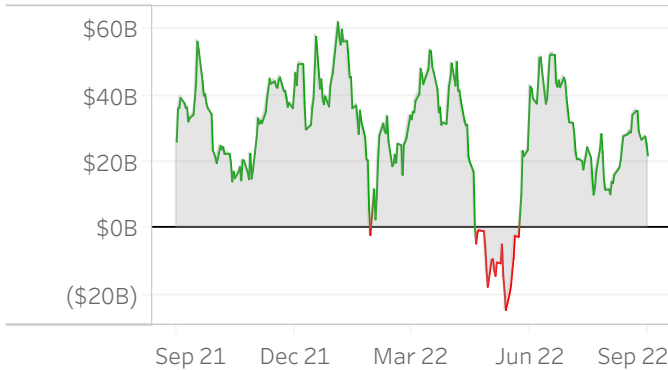
Size & Style Most Oversold

| Ticker | Fund | Price |
|--------|--|-------|
| PTMC | Pacer Trendpilot US Mid Cap ETF | 21.29 |
| USNZ | Xtrackers Net Zero Pathway Paris Aligned US Equity.. | 31.16 |
| QVML | Invesco S&P 500 QVM Multi-factor ETF | 31.25 |
| UTRN | Vesper U.S. Large Cap Short-Term Reversal Strategy.. | 31.37 |
| DJD | Invesco Dow Jones Industrial Average Dividend ETF | 31.67 |
| LGH | HCM Defender 500 Index ETF | 31.89 |
| OUSA | ALPS O'Shares U.S. Quality Dividend ETF | 32.03 |
| JEPQ | J.P. Morgan Nasdaq Equity Premium Income ETF | 32.93 |
| QQH | HCM Defender 100 Index ETF | 33.19 |
| RFDA | RiverFront Dynamic US Dividend Advantage ETF | 33.74 |

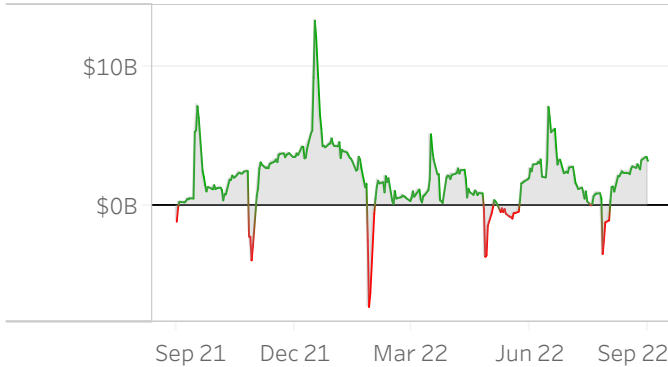
■ Closing Price
 ■ 50 Day Moving Average
 ■ 200 Day Moving Average

* 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 | \$1,215B | (\$4.59B) | \$22.77B | \$31.96B | \$107.88B |
| Large Cap, Beta Growth, Beta: Growth | 10 | \$228B | (\$0.81B) | \$7.35B | \$14.83B | \$17.51B |
| Large Cap, Beta Growth, Beta: Value | 11 | \$214B | \$0.31B | \$0.73B | \$5.95B | \$24.99B |
| Mid Cap, Beta, Beta | 10 | \$175B | (\$0.10B) | \$1.72B | \$5.42B | \$13.55B |
| Mid Cap, Beta, Beta: Growth | 6 | \$33B | (\$0.02B) | \$0.83B | \$1.10B | \$1.31B |
| Mid Cap, Beta, Beta: Value | 6 | \$40B | \$0.47B | \$0.67B | \$0.18B | \$1.66B |
| Small Cap, Beta, Beta | 13 | \$190B | (\$1.13B) | \$0.67B | (\$3.45B) | \$6.99B |
| Small Cap, Beta, Beta: Growth | 7 | \$32B | (\$0.04B) | \$0.41B | \$1.04B | \$1.93B |
| Small Cap, Beta, Beta: Value | 7 | \$49B | \$0.49B | (\$0.75B) | (\$3.59B) | (\$1.67B) |

U.S. Size & Style Flow Leaders

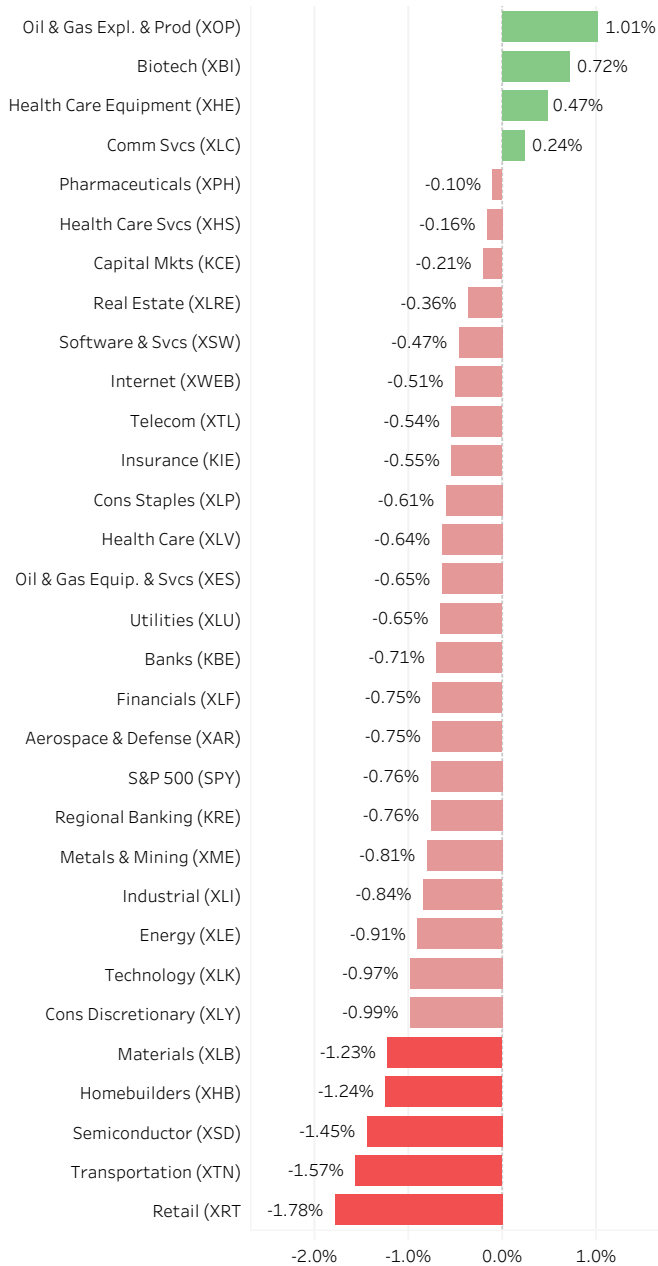
| Ticker | Fund | 1 Week | 3 Month | 6 Month | 1 Year | AUM |
|--------|--|---------|-----------|-----------|-----------|-----------|
| IJJ | iShares S&P Mid-Cap 400 Value ETF | \$0.42B | \$0.11B | \$0.40B | (\$0.58B) | \$7.67B |
| IJS | iShares S&P Small-Cap 600 Value ETF | \$0.39B | (\$0.91B) | (\$0.82B) | (\$0.63B) | \$7.40B |
| IVV | iShares Core S&P 500 ETF | \$0.35B | \$7.72B | \$8.36B | \$31.43B | \$298.26B |
| IVE | iShares S&P 500 Value ETF | \$0.32B | (\$0.11B) | \$1.15B | \$2.55B | \$24.08B |
| SCHD | Schwab US Dividend Equity ETF | \$0.26B | \$3.35B | \$5.27B | \$11.82B | \$37.43B |
| VTI | Vanguard Total Stock Market ETF | \$0.18B | \$6.14B | \$11.27B | \$32.21B | \$263.44B |
| VTV | Vanguard Value ETF | \$0.15B | \$1.99B | \$5.28B | \$17.54B | \$98.50B |
| VYM | Vanguard High Dividend Yield Index ETF | \$0.13B | \$2.84B | \$5.47B | \$8.82B | \$46.43B |
| NULV | Nuveen ESG Large-Cap Value ETF | \$0.13B | \$0.27B | \$0.41B | \$0.70B | \$1.63B |
| COWZ | Pacer US Cash Cows 100 ETF | \$0.11B | \$1.66B | \$5.19B | \$6.93B | \$7.35B |

U.S. Size & Style Flow Laggards

| Ticker | Fund | 1 Week | 3 Month | 6 Month | 1 Year | AUM |
|--------|-------------------------------------|-----------|-----------|-----------|-----------|-----------|
| SPY | SPDR S&P 500 ETF Trust | (\$3.38B) | (\$5.75B) | (\$2.64B) | \$6.29B | \$360.97B |
| QQQ | Invesco QQQ Trust | (\$1.51B) | \$2.56B | \$8.10B | \$13.23B | \$165.27B |
| IWM | iShares Russell 2000 ETF | (\$1.02B) | (\$1.50B) | (\$3.22B) | (\$3.22B) | \$52.87B |
| QUAL | iShares MSCI USA Quality Factor ETF | (\$0.57B) | (\$1.08B) | (\$0.67B) | (\$2.24B) | \$18.99B |
| SPYG | SPDR Portfolio S&P 500 Growth ETF | (\$0.50B) | \$2.31B | \$3.05B | \$3.22B | \$14.70B |
| SPLV | Invesco S&P 500 Low Volatility ETF | (\$0.27B) | \$0.88B | \$2.13B | \$3.06B | \$11.04B |
| IWF | iShares Russell 1000 Growth ETF | (\$0.25B) | \$0.18B | \$1.33B | (\$0.10B) | \$61.72B |
| IWD | iShares Russell 1000 Value ETF | (\$0.21B) | (\$0.92B) | (\$0.93B) | \$0.63B | \$51.85B |
| SPLG | SPDR Portfolio S&P 500 ETF | (\$0.16B) | \$0.96B | \$1.69B | \$3.61B | \$14.26B |
| IJR | iShares Core S&P Small Cap ETF | (\$0.14B) | \$2.93B | \$1.69B | \$6.12B | \$66.37B |

* 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 | -4.37% | 16.96% | 2.29% | 4.53% | 45.90 |
| XLP | Consumer Staples Select Sector SPDR Fund | -9.26% | 6.26% | -1.26% | -2.33% | 36.99 |
| XLV | Health Care Select Sector SPDR Fund | -12.65% | 4.06% | -4.16% | -5.46% | 31.89 |
| XLE | Energy Select Sector SPDR Fund | -12.77% | 70.41% | 7.66% | 11.45% | 55.74 |
| XLI | Industrial Select Sector SPDR Fund | -13.25% | 8.69% | 0.42% | -4.83% | 39.83 |
| XLB | Materials Select Sector SPDR Fund | -16.78% | 6.32% | -1.03% | -9.30% | 39.73 |
| SPY | SPDR S&P 500 ETF Trust | -17.28% | 8.01% | -1.32% | -7.48% | 37.08 |
| XLRE | Real Estate Select Sector SPDR Fund | -19.22% | 7.72% | -2.04% | -8.24% | 36.87 |
| XLF | Financial Select Sector SPDR Fund | -20.21% | 7.51% | -0.21% | -8.98% | 40.83 |
| XLK | Technology Select Sector SPDR Fund | -23.43% | 9.53% | -2.42% | -9.43% | 35.98 |
| XLY | Consumer Discretionary Select Sector SPDR Fund | -26.44% | 15.51% | 0.30% | -9.43% | 40.43 |
| XLC | Communication Services Select Sector SPDR Fund | -35.38% | 2.45% | -3.57% | -16.28% | 38.37 |

Sector & Industry 1 Day Performance Leaders

| Ticker | Fund | 1 Day Performance |
|--------|---|-------------------|
| PXI | Invesco DWA Energy Momentum ETF | 1.29% |
| XOP | SPDR S&P Oil & Gas Exploration & Production ETF | 1.01% |
| PTH | Invesco DWA Healthcare Momentum ETF | 1.01% |
| XBI | SPDR S&P BIOTECH ETF | 0.72% |
| PSCE | Invesco S&P SmallCap Energy ETF | 0.71% |
| FCG | First Trust Natural Gas ETF | 0.57% |
| BIZD | VanEck BDC Income ETF | 0.51% |
| PJP | Invesco Dynamic Pharmaceuticals ETF | 0.49% |
| XHE | SPDR S&P Health Care Equipment ETF | 0.47% |
| FXN | First Trust Energy AlphaDEX Fund | 0.46% |

Sector & Industry Most Overbought

| Ticker | Fund | RSI (14D) |
|--------|---|-----------|
| IEO | iShares U.S. Oil & Gas Exploration & Production ETF | 60.04 |
| PXE | Invesco Dynamic Energy Exploration & Production ETF | 58.67 |
| FXN | First Trust Energy AlphaDEX Fund | 58.25 |
| FCG | First Trust Natural Gas ETF | 58.02 |
| XOP | SPDR S&P Oil & Gas Exploration & Production ETF | 57.15 |
| PXI | Invesco DWA Energy Momentum ETF | 57.12 |
| FTXN | First Trust Nasdaq Oil & Gas ETF | 57.08 |
| IYE | iShares U.S. Energy ETF | 56.72 |
| RYE | Invesco S&P 500 Equal Weight Energy ETF | 56.30 |
| VDE | Vanguard Energy ETF | 56.27 |

Sector & Industry 1 Day Performance Laggards

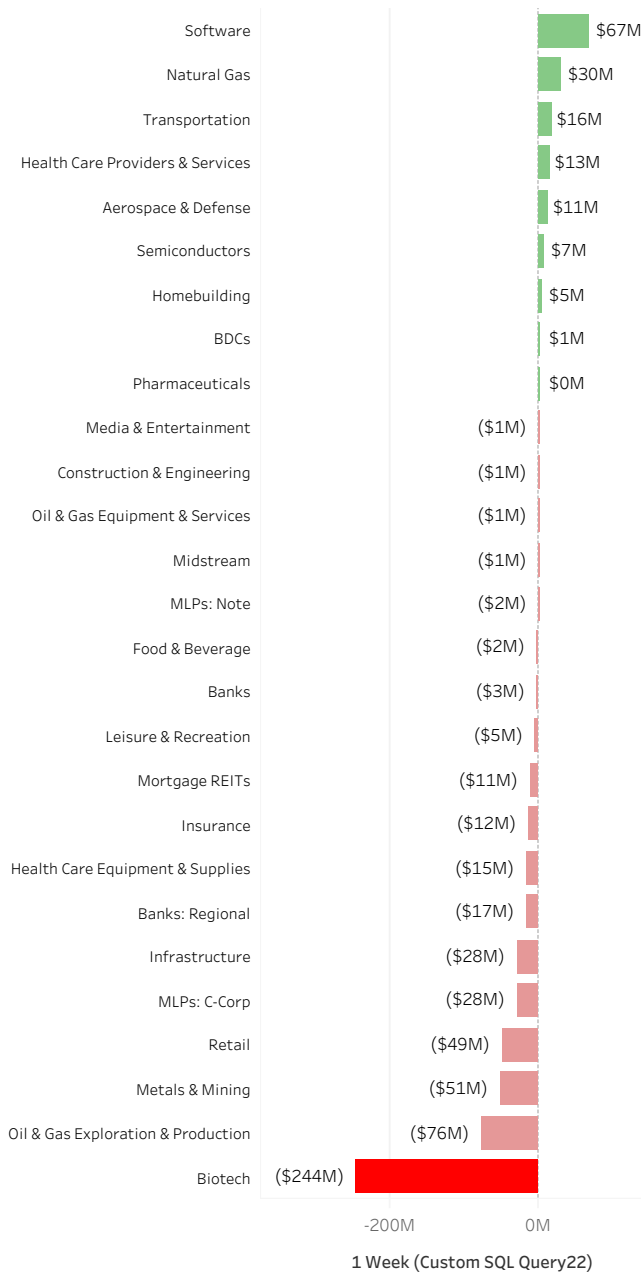
| Ticker | Fund | 1 Day Performance |
|--------|--|-------------------|
| FTXL | First Trust Nasdaq Semiconductor ETF | -2.45% |
| XRT | SPDR S&P Retail ETF | -1.78% |
| FXZ | First Trust Materials AlphaDEX Fund | -1.62% |
| XTN | SPDR S&P Transportation ETF | -1.57% |
| PYZ | Invesco DWA Basic Materials Momentum ETF | -1.53% |
| XSD | SPDR S&P Semiconductor ETF | -1.45% |
| PSCI | Invesco S&P SmallCap Industrials ETF | -1.38% |
| RTM | Invesco S&P 500 Equal Weight Materials ETF | -1.37% |
| ITB | iShares U.S. Home Construction ETF | -1.36% |
| FXD | First Trust Consumer Discretionary AlphaDEX Fund | -1.34% |

Sector & Industry Most Oversold

| Ticker | Fund | RSI (14D) |
|--------|--|-----------|
| IHE | iShares U.S. Pharmaceuticals ETF | 25.44 |
| IYH | iShares U.S. Healthcare ETF | 31.47 |
| NETL | NETlease Corporate Real Estate ETF | 31.60 |
| FXH | First Trust Health Care AlphaDEX Fund | 31.88 |
| XLV | Health Care Select Sector SPDR Fund | 31.89 |
| KBWY | Invesco KBW Premium Yield Equity REIT ETF | 32.26 |
| VHT | Vanguard Health Care ETF | 32.73 |
| PJP | Invesco Dynamic Pharmaceuticals ETF | 33.01 |
| RYH | Invesco S&P 500 Equal Weight Health Care ETF | 33.14 |
| FHLC | Fidelity MSCI Health Care Index ETF | 33.15 |

* 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 | 8 | \$13B | \$15M | \$184M | \$40M | (\$1,143M) |
| Consumer Discretionary | 13 | \$24B | \$311M | (\$346M) | (\$3,020M) | (\$4,343M) |
| Consumer Staples | 11 | \$28B | (\$176M) | \$483M | \$3,273M | \$6,090M |
| Energy | 34 | \$77B | (\$108M) | (\$3,979M) | (\$4,357M) | \$2,510M |
| Financials | 27 | \$61B | \$372M | \$731M | (\$13,362M) | (\$7,128M) |
| Health Care | 24 | \$89B | (\$424M) | \$1,762M | \$7,453M | \$11,119M |
| Industrial | 14 | \$28B | \$125M | (\$1,055M) | (\$2,339M) | (\$4,883M) |
| Materials | 10 | \$14B | (\$137M) | (\$2,460M) | (\$736M) | (\$1,642M) |
| Multi-Sector | 19 | \$14B | (\$42M) | (\$1,729M) | (\$3,749M) | (\$4,498M) |
| Real Estate | 25 | \$66B | \$16M | (\$2,592M) | (\$4,719M) | \$1,685M |
| Technology | 24 | \$122B | \$1,232M | \$1,064M | \$2,343M | \$3,954M |
| Utilities | 10 | \$28B | (\$16M) | \$1,661M | \$4,534M | \$4,823M |

U.S. Sector & Industry Flow Leaders

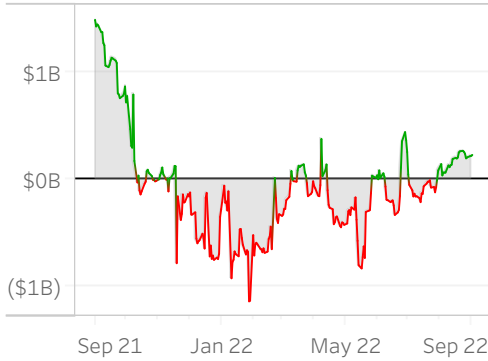
| Ticker | Fund | 1 Week | 3 Month | 6 Month | 1 Year | AUM |
|--------|--|----------|----------|------------|------------|-----------|
| VGT | Vanguard Information Technology ETF | \$1,149M | \$1,952M | \$2,908M | \$3,092M | \$45,176M |
| XLF | Financial Select Sector SPDR Fund | \$442M | \$1,735M | (\$6,779M) | (\$3,540M) | \$33,513M |
| XLY | Consumer Discretionary Select Sector SPDR Fu.. | \$371M | \$91M | (\$908M) | (\$575M) | \$16,182M |
| XLI | Industrial Select Sector SPDR Fund | \$128M | (\$521M) | (\$2,223M) | (\$4,330M) | \$13,074M |
| FTEC | Fidelity MSCI Information Technology Index ETF | \$110M | \$62M | (\$13M) | \$299M | \$5,579M |
| IGV | iShares Expanded Tech-Software Sector ETF | \$71M | (\$352M) | (\$194M) | \$716M | \$4,062M |
| VDE | Vanguard Energy ETF | \$40M | (\$373M) | (\$859M) | (\$186M) | \$7,976M |
| FCG | First Trust Natural Gas ETF | \$30M | \$90M | \$261M | \$439M | \$947M |
| FXN | First Trust Energy AlphaDEX Fund | \$29M | (\$35M) | \$917M | \$1,226M | \$1,843M |
| VDC | Vanguard Consumer Staples ETF | \$24M | \$366M | \$235M | \$841M | \$6,814M |

U.S. Sector & Industry Flow Laggards

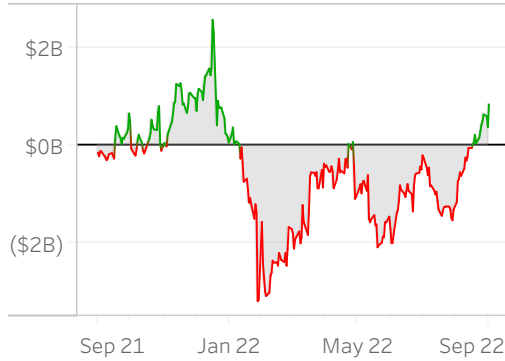
| Ticker | Fund | 1 Week | 3 Month | 6 Month | 1 Year | AUM |
|--------|---|----------|------------|------------|------------|-----------|
| XLP | Consumer Staples Select Sector SPDR Fund | (\$220M) | (\$185M) | \$714M | \$2,458M | \$15,782M |
| XLV | Health Care Select Sector SPDR Fund | (\$158M) | \$401M | \$5,725M | \$7,303M | \$37,882M |
| XBI | SPDR S&P BIOTECH ETF | (\$144M) | \$140M | \$724M | \$2,639M | \$7,281M |
| XLE | Energy Select Sector SPDR Fund | (\$107M) | (\$1,714M) | (\$3,101M) | (\$94M) | \$37,804M |
| XOP | SPDR S&P Oil & Gas Exploration & Production E.. | (\$96M) | (\$580M) | (\$768M) | (\$575M) | \$4,735M |
| IBB | iShares Biotechnology ETF | (\$85M) | \$104M | \$15M | (\$118M) | \$7,775M |
| XLK | Technology Select Sector SPDR Fund | (\$82M) | \$588M | \$1,231M | \$1,489M | \$41,347M |
| XLB | Materials Select Sector SPDR Fund | (\$68M) | (\$1,065M) | (\$918M) | (\$2,001M) | \$5,623M |
| XME | SPDR S&P Metals & Mining ETF | (\$51M) | (\$711M) | (\$549M) | (\$89M) | \$1,935M |
| XRT | SPDR S&P Retail ETF | (\$49M) | (\$271M) | (\$140M) | (\$724M) | \$242M |

* 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



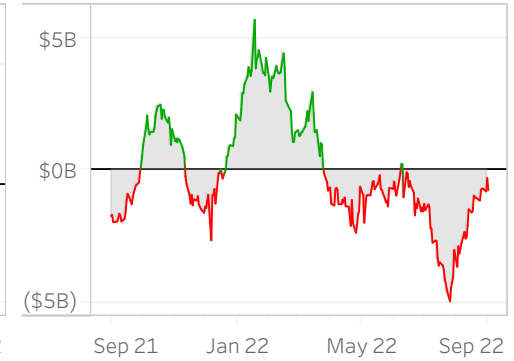
Consumer Discretionary



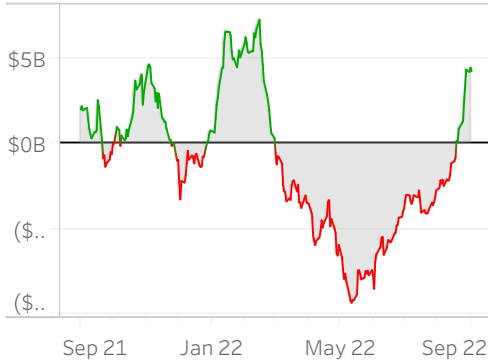
Consumer Staples



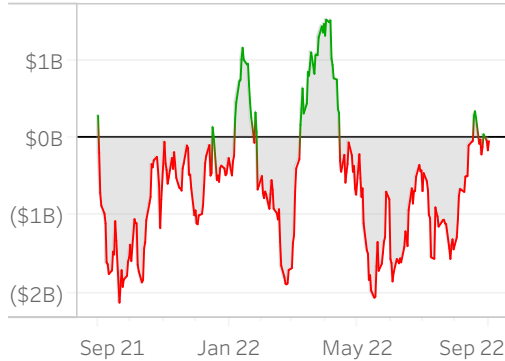
Energy



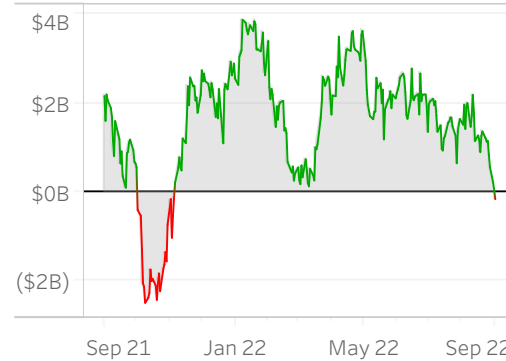
Financials



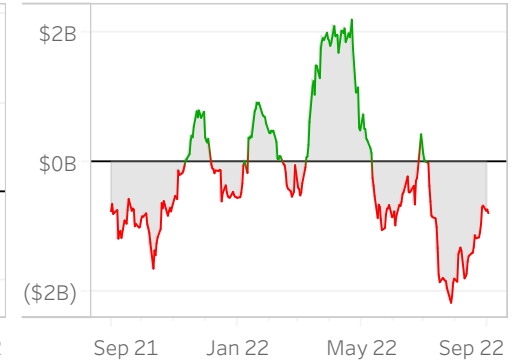
Industrial



Health Care



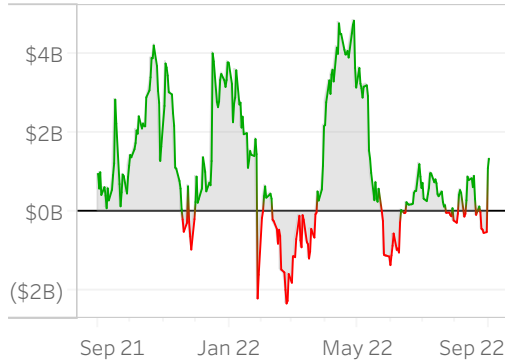
Materials



Real Estate



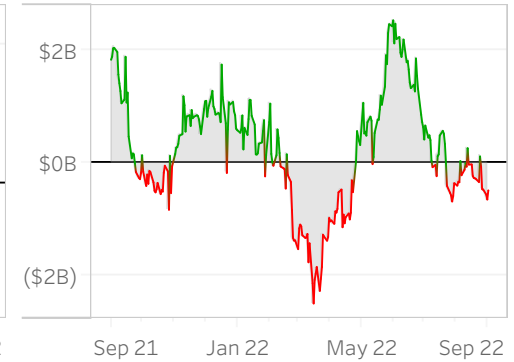
Technology



Utilities

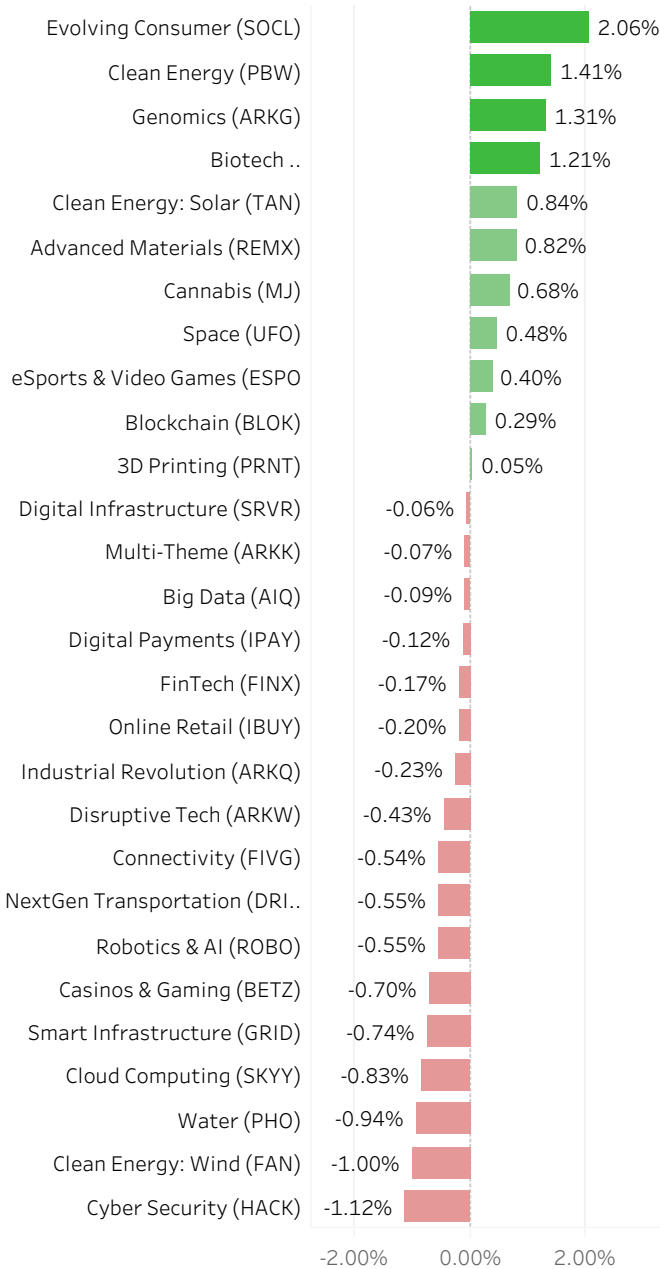


Multi-Sector

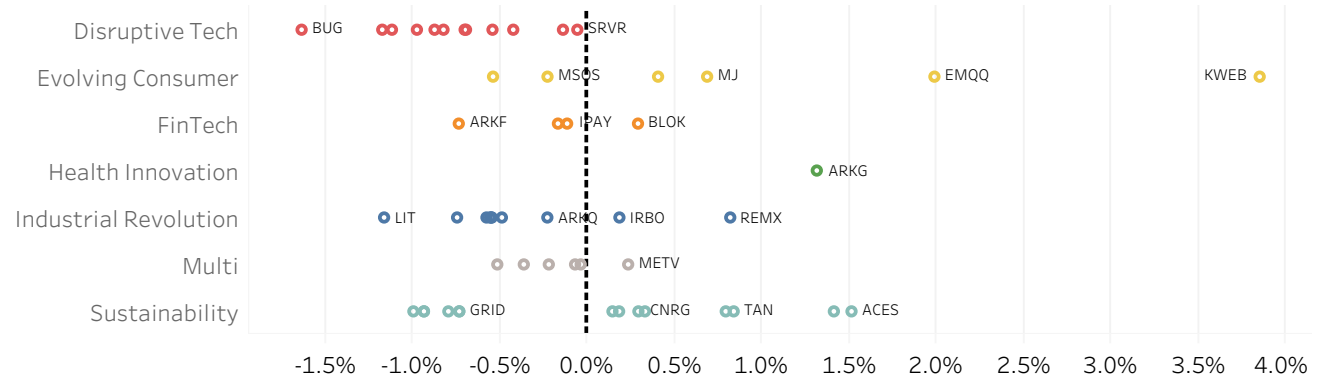


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

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 | 3.85% |
| BKCH | Global X Blockchain ETF | 2.70% |
| POTX | Global X Cannabis ETF | 2.24% |
| SOCL | Global X Social Media ETF | 2.06% |
| EMQQ | EMQQ The Emerging Markets Internet & Ecommerce ETF | 1.99% |
| ACES | ALPS Clean Energy ETF | 1.51% |
| PBW | Invesco WilderHill Clean Energy ETF | 1.41% |
| ARKG | ARK Genomic Revolution ETF | 1.31% |
| SBIO | ALPS Medical Breakthroughs ETF | 1.21% |
| BTEC | Principal Healthcare Innovators ETF | 1.00% |

Thematic Most Overbought

| Ticker | Fund | Value |
|--------|---|-------|
| MSOS | AdvisorShares Pure US Cannabis ETF | 58.87 |
| KWEB | KraneShares CSI China Internet ETF | 55.17 |
| ACES | ALPS Clean Energy ETF | 54.91 |
| CTEC | Global X CleanTech ETF | 54.09 |
| MJUS | ETFMG U.S. Alternative Harvest ETF | 52.98 |
| CNRG | SPDR S&P Kensho Clean Power ETF | 52.48 |
| QLCN | First Trust Nasdaq Clean Edge Green Energy Index Fund | 52.34 |
| TAN | Invesco Solar ETF | 52.19 |
| EMQQ | EMQQ The Emerging Markets Internet & Ecommerce ETF | 52.06 |
| ICLN | iShares Global Clean Energy ETF | 50.69 |

Global Thematic 1-Day Performance Laggards

| Ticker | Fund | Performance |
|--------|---|-------------|
| MJUS | ETFMG U.S. Alternative Harvest ETF | -4.62% |
| KSTR | KraneShares SSE STAR Market 50 Index ETF | -1.98% |
| BUG | Global X Cybersecurity ETF | -1.64% |
| KGRN | KraneShares MSCI China Clean Technology Index ETF | -1.27% |
| CIBR | First Trust NASDAQ Cybersecurity ETF | -1.18% |
| HDRO | Defiance Next Gen H2 ETF | -1.17% |
| LIT | Global X Lithium & Battery Tech ETF | -1.17% |
| HACK | ETFMG Prime Cyber Security ETF | -1.12% |
| PAWZ | ProShares Pet Care ETF | -1.11% |
| FAN | First Trust Global Wind Energy ETF | -1.00% |

Thematic Most Oversold

| Ticker | Fund | Value |
|--------|--|-------|
| KGRN | KraneShares MSCI China Clean Technology Index ETF | 26.73 |
| PAWZ | ProShares Pet Care ETF | 28.92 |
| KSTR | KraneShares SSE STAR Market 50 Index ETF | 30.53 |
| EBLU | Ecofin Global Water ESG Fund | 33.15 |
| PIO | Invesco Global Water ETF | 33.53 |
| KLDW | Knowledge Leaders Developed World ETF | 34.45 |
| NXTG | First Trust Indxx NextG ETF | 34.59 |
| CGW | Invesco S&P Global Water Index ETF | 34.64 |
| BOTZ | Global X Robotics & Artificial Intelligence ETF | 34.72 |
| SRVR | Pacer Benchmark Data & Infrastructure Real Estate SCTR.. | 34.77 |

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

Thematic 1 Week Flow Leaders

| Ticker | Fund | Flow |
|--------|---|-------|
| PBW | Invesco WilderHill Clean Energy ETF | \$28M |
| MSOS | AdvisorShares Pure US Cannabis ETF | \$19M |
| MJUS | ETFMG U.S. Alternative Harvest ETF | \$19M |
| ICLN | iShares Global Clean Energy ETF | \$18M |
| ERTH | Invesco MSCI Sustainable Future ETF | \$17M |
| OCLN | First Trust Nasdaq Clean Edge Green Energy Index Fund | \$13M |
| KOMP | SPDR S&P Kensho New Economies Composite ETF | \$13M |
| SAMT | Strategas Macro Thematic Opportunities ETF | \$12M |
| CIBR | First Trust NASDAQ Cybersecurity ETF | \$11M |
| MJ | ETFMG Alternative Harvest ETF | \$10M |

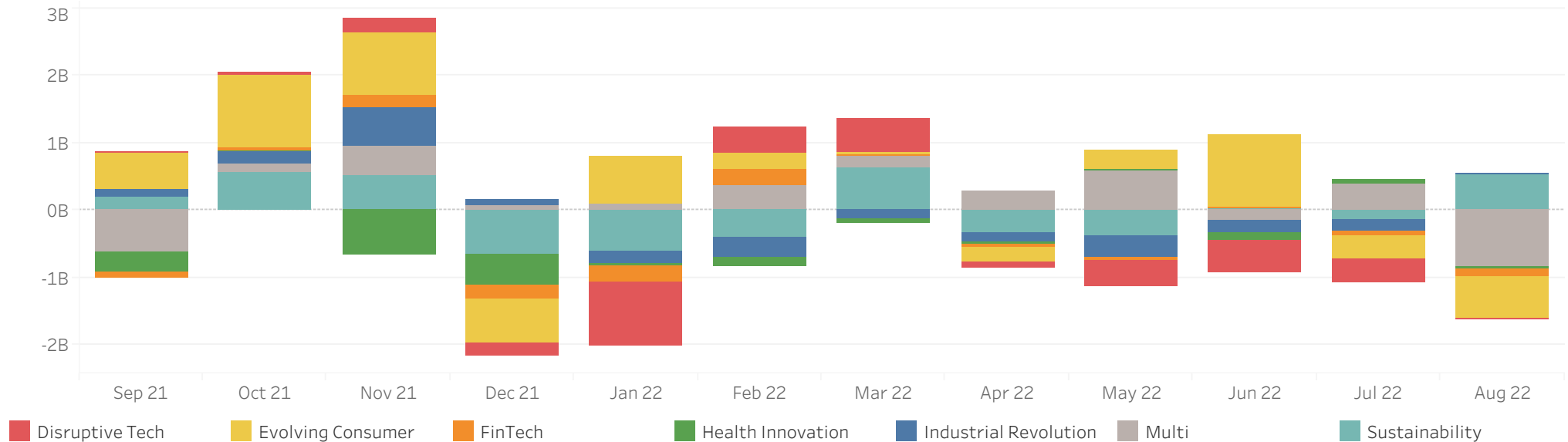
Thematic 1 Week Flow Laggards

| Ticker | Fund | Flow |
|--------|---|---------|
| ARKK | ARK Innovation ETF | (\$21M) |
| ARKW | ARK Next Generation Internet ETF | (\$21M) |
| DRIV | Global X Autonomous & Electric Vehicles ETF | (\$11M) |
| NXTG | First Trust Indxx NextG ETF | (\$10M) |
| PHO | Invesco Water Resources ETF | (\$9M) |
| ONLN | ProShares Online Retail ETF | (\$9M) |
| ARKG | ARK Genomic Revolution ETF | (\$9M) |
| FIVG | Defiance Next Gen Connectivity ETF | (\$9M) |
| ARKF | ARK Fintech Innovation ETF | (\$8M) |
| SOCL | Global X Social Media ETF | (\$6M) |

Thematic Landscape Assets & Flows

| Segment | Funds | AUM | 1 Week | 3 Month | 6 Month | 1 Year |
|-----------------------|------------|--------------|----------------|-------------------|-------------------|---------------|
| Disruptive Tech | 35 | \$18B | (\$16M) | (\$809M) | (\$909M) | (\$1,293M) |
| Evolving Consumer | 47 | \$11B | \$32M | \$90M | \$259M | \$3,074M |
| FinTech | 24 | \$3B | (\$8M) | (\$191M) | (\$242M) | (\$341M) |
| Health Innovation | 19 | \$4B | (\$6M) | (\$66M) | (\$261M) | (\$1,746M) |
| Industrial Revolution | 32 | \$12B | (\$10M) | (\$356M) | (\$911M) | (\$455M) |
| Multi | 41 | \$15B | (\$79M) | (\$533M) | \$390M | \$940M |
| Sustainability | 42 | \$20B | \$42M | \$496M | \$375M | (\$73M) |
| Grand Total | 240 | \$83B | (\$44M) | (\$1,370M) | (\$1,300M) | \$106M |

Thematic Monthly Flows

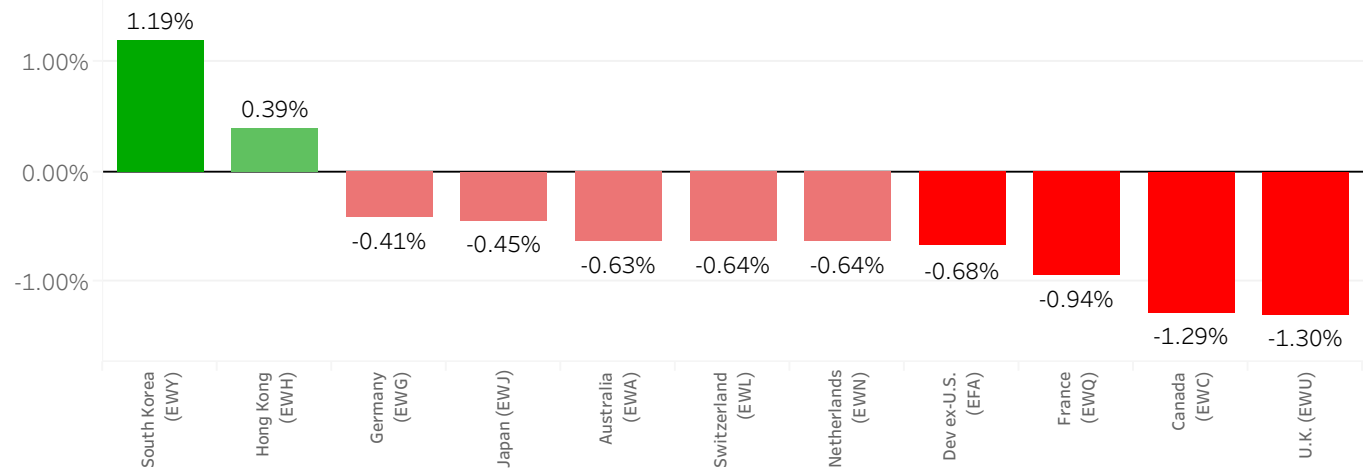


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

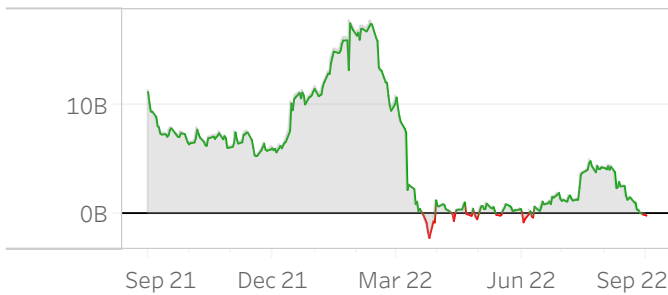
Developed ex-U.S. (EFA)



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



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



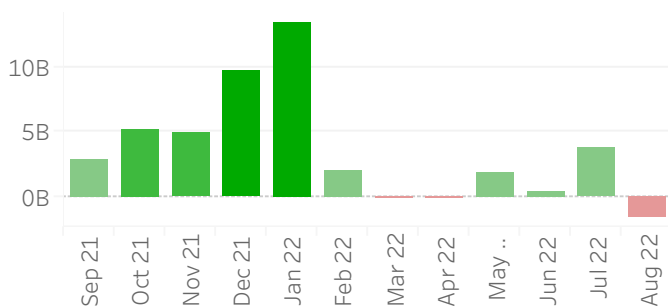
Developed ex-U.S. 1-Day Performance Leaders

| Ticker | Fund | Performance |
|--------|---|-------------|
| AIA | iShares Asia 50 ETF | 1.98% |
| FLKR | Franklin FTSE South Korea ETF | 1.39% |
| EWY | iShares MSCI South Korea ETF | 1.19% |
| AAXJ | iShares MSCI All Country Asia ex Japan ETF | 0.93% |
| EWO | iShares MSCI Austria ETF | 0.58% |
| CIL | VictoryShares International Volatility Wtd ETF | 0.42% |
| EWH | iShares MSCI Hong Kong ETF | 0.39% |
| EDED | iShares MSCI Denmark ETF | 0.36% |
| DMXF | iShares ESG Advanced MSCI EAFE ETF | 0.19% |
| HSCZ | iShares Currency Hedged MSCI EAFE Small-Cap ETF | 0.02% |

Developed ex-U.S. Most Overbought

| Ticker | Fund | Price |
|--------|--|-------|
| PTIN | Pacer Trendpilot International ETF | 49.36 |
| DXJ | WisdomTree Japan Hedged Equity Fund | 48.90 |
| EIS | iShares MSCI Israel ETF | 47.68 |
| DBJP | Xtrackers MSCI Japan Hedged Equity ETF | 46.42 |
| AIA | iShares Asia 50 ETF | 46.17 |
| HEWJ | iShares Currency Hedged MSCI Japan ETF | 45.95 |
| ISRA | VanEck Israel ETF | 45.60 |
| AAXJ | iShares MSCI All Country Asia ex Japan ETF | 44.89 |
| NORW | Global X MSCI Norway ETF | 42.81 |
| EWY | iShares MSCI South Korea ETF | 42.54 |

Developed ex-U.S. Monthly Flows



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

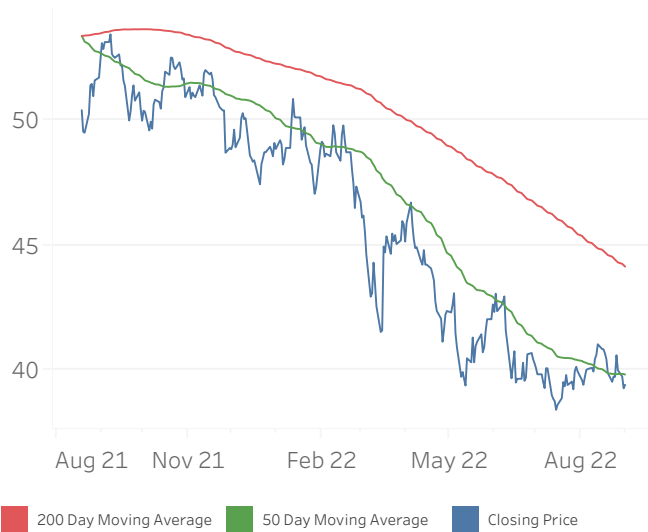
| Ticker | Fund | Performance |
|--------|---|-------------|
| FKU | First Trust United Kingdom AlphaDEX Fund | -1.99% |
| IMOM | Alpha Architect International Quantitative Momentum ETF | -1.58% |
| IVAL | Alpha Architect International Quantitative Value ETF | -1.39% |
| EWU | iShares MSCI United Kingdom ETF | -1.30% |
| EWC | iShares MSCI Canada ETF | -1.29% |
| FLGB | Franklin FTSE United Kingdom ETF | -1.28% |
| BBCA | JPMorgan BetaBuilders Canada ETF | -1.21% |
| EWP | iShares MSCI Spain ETF | -1.18% |
| FIDI | Fidelity International High Dividend ETF | -1.18% |
| EWI | iShares MSCI Italy ETF | -1.15% |

Developed ex-U.S. Most Oversold

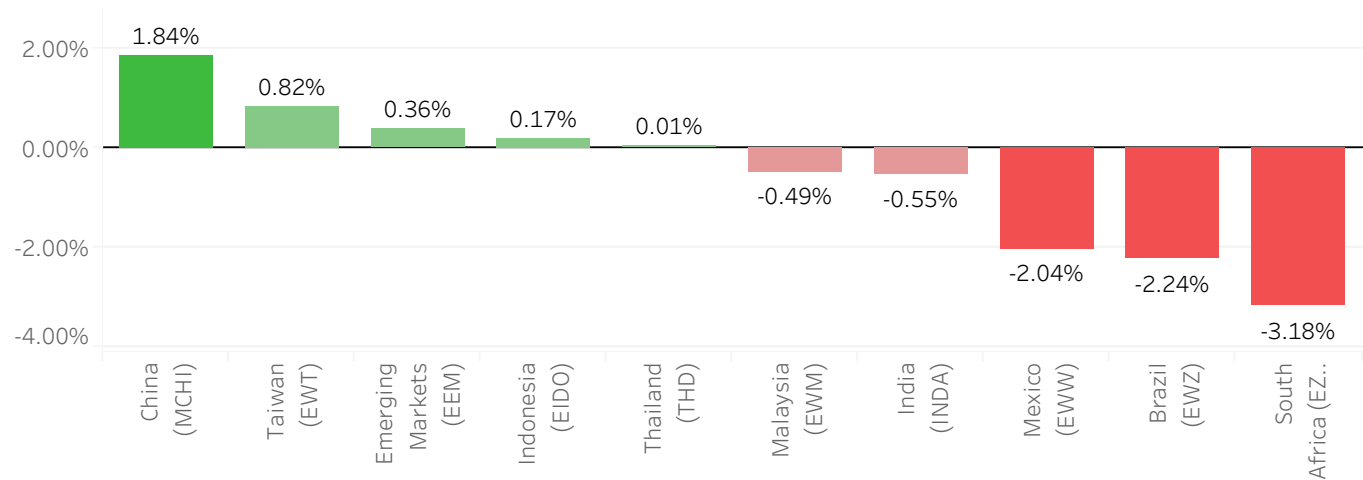
| Ticker | Fund | Price |
|--------|---|-------|
| QLVD | FlexShares Developed Markets ex-US Quality Low V.. | 29.81 |
| EWU | iShares MSCI United Kingdom ETF | 30.36 |
| IMFL | Invesco International Developed Dynamic Multifact.. | 30.67 |
| EFAV | iShares MSCI EAFE Min Vol Factor ETF | 30.78 |
| FLGB | Franklin FTSE United Kingdom ETF | 30.88 |
| EUDG | WisdomTree Europe Quality Dividend Growth Fund | 30.91 |
| RODM | Hartford Multifactor Developed Markets (ex-US) ETF | 31.05 |
| RFDI | First Trust Riverfront Dynamic Developed Internatio.. | 31.63 |
| EFAD | ProShares MSCI EAFE Dividend Growers ETF | 31.67 |
| IDLV | Invesco S&P International Developed Low Volatility .. | 31.83 |

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

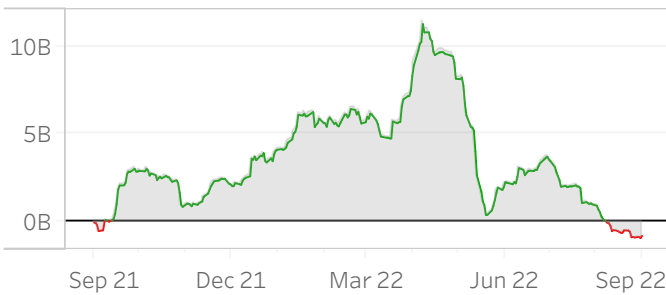
Emerging (EEM)



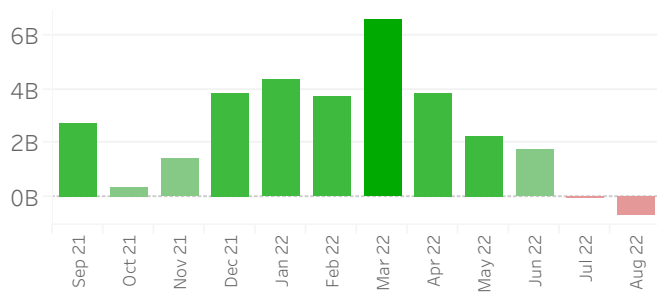
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

| Ticker | Fund | Performance |
|--------|--|-------------|
| PGJ | Invesco Golden Dragon China ETF | 3.21% |
| FXI | iShares China Large-Cap ETF | 2.06% |
| MCHI | iShares MSCI China ETF | 1.84% |
| FNI | First Trust Chindia ETF | 1.81% |
| GXC | SPDR S&P China ETF | 1.67% |
| FLCH | Franklin FTSE China ETF | 1.65% |
| ECNS | iShares MSCI China Small-Cap ETF | 1.54% |
| CXSE | WisdomTree China ex-State-Owned Enterprises Fund | 1.51% |
| EEMA | iShares MSCI Emerging Markets Asia ETF | 1.31% |
| NFTY | First Trust India NIFTY 50 Equal Weight ETF | 1.20% |

Emerging Most Overbought

| Ticker | Fund | Price |
|--------|---|-------|
| TUR | iShares MSCI Turkey ETF | 67.74 |
| ECH | iShares MSCI Chile ETF | 58.00 |
| PGJ | Invesco Golden Dragon China ETF | 57.45 |
| SMIN | iShares MSCI India Small Cap ETF | 56.95 |
| FNI | First Trust Chindia ETF | 56.00 |
| EIDO | iShares MSCI Indonesia ETF | 55.99 |
| NFTY | First Trust India NIFTY 50 Equal Weight ETF | 54.95 |
| PIN | Invesco India ETF | 53.85 |
| FLIN | Franklin FTSE India ETF | 53.28 |
| EPI | WisdomTree India Earnings Fund | 52.92 |

Emerging 1-Day Performance Laggards

| Ticker | Fund | Performance |
|--------|-----------------------------------|-------------|
| EZA | iShares MSCI South Africa ETF | -3.18% |
| EWZS | iShares MSCI Brazil Small-Cap ETF | -2.96% |
| FLBR | Franklin FTSE Brazil ETF | -2.28% |
| FLLA | Franklin FTSE Latin America ETF | -2.26% |
| EWZ | iShares MSCI Brazil ETF | -2.24% |
| ILF | iShares Latin America 40 ETF | -2.21% |
| ECH | iShares MSCI Chile ETF | -2.18% |
| EWW | iShares MSCI Mexico ETF | -2.04% |
| EPHE | iShares MSCI Philippines ETF | -1.87% |
| EPU | iShares MSCI Peru ETF | -1.43% |

Emerging Most Oversold

| Ticker | Fund | Price |
|--------|--|-------|
| EPOL | iShares MSCI Poland ETF | 31.79 |
| EWW | iShares MSCI Mexico ETF | 33.68 |
| CNYA | iShares MSCI China A ETF | 33.92 |
| ASHR | Xtrackers Harvest CSI 300 China A-Shares ETF | 34.60 |
| EDIV | SPDR S&P Emerging Markets Dividend ETF | 35.40 |
| EZA | iShares MSCI South Africa ETF | 35.88 |
| RAYC | Rayliant Quantamental China Equity ETF | 36.94 |
| KBA | KraneShares Boser MSCI China A 50 Connect Index .. | 37.24 |
| EEMV | iShares MSCI Emerging Markets Min Vol Factor ETF | 38.08 |
| DGRE | WisdomTree Emerging Markets Quality Dividend Gr.. | 39.30 |

* 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 | -0.53% | -3.04% | -10.68% |
| SHY | 1-3 Year Treasury Bonds | -0.01% | -0.81% | -3.38% |
| IEF | 7-10 Year Treasury Bonds | -0.41% | -3.85% | -11.46% |
| TLT | 20+ Year Treasury Bonds | -0.96% | -4.56% | -23.63% |
| TIP | TIPS Bonds | -0.89% | -2.70% | -7.69% |
| FLOT | Floating Rate Bonds | 0.06% | 0.44% | -0.27% |
| LQD | Investment Grade Corporate | -1.05% | -4.43% | -16.23% |
| HYG | High Yield Corporate | -0.55% | -4.31% | -11.96% |
| BKLN | Senior Loan | -0.10% | 0.37% | -2.81% |
| PFF | Preferred & Income Securities | -0.36% | -3.80% | -13.28% |
| MUB | Municipal Bonds | 0.09% | -2.44% | -8.06% |
| MBB | MBS | -0.40% | -3.54% | -9.03% |
| EMB | Dollar Denominated EM Bonds | -0.80% | -2.71% | -19.65% |
| LEMB | Local Currency EM Bond | -0.24% | -0.59% | -13.56% |

Commodities Performance

| Ticker | Name | 1 Day | 1 Month | YTD |
|--------|--------------------------|--------|---------|---------|
| DJP | Broad Commodities | -1.31% | -0.17% | 25.99% |
| DBE | Energy | -3.16% | -1.88% | 46.90% |
| USO | WTI Crude Oil | -3.13% | -6.33% | 34.49% |
| BNO | Brent Crude Oil | -3.29% | -7.47% | 43.28% |
| UNG | Natural Gas | 0.80% | 10.59% | 153.40% |
| UGA | Gasoline | -4.57% | -15.07% | 29.05% |
| DBP | Precious Metals | -1.09% | -4.81% | -11.24% |
| GLD | Gold | -0.77% | -2.94% | -6.84% |
| SLV | Silver | -2.24% | -11.34% | -22.92% |
| PPLT | abrdrn Physical Platin.. | -0.55% | -5.73% | -12.95% |
| PALL | abrdrn Physical Palla.. | -0.32% | -2.09% | 9.35% |
| DBB | Base Metals | -0.36% | -0.81% | -12.35% |
| CPER | Copper | -1.12% | -2.63% | -22.34% |
| LD | Lead | -7.01% | -3.67% | -16.07% |
| JJN | Nickel | -0.09% | -10.61% | 3.43% |
| JJU | Aluminum | -0.47% | -4.21% | -15.54% |
| JJT | Tin | -6.42% | -6.92% | -39.74% |
| DBA | Agriculture | -0.34% | 2.18% | 4.46% |
| CORN | Corn | -0.81% | 7.48% | 24.74% |
| SOYB | Soybeans | -0.71% | -2.30% | 17.58% |
| WEAT | Wheat | 1.30% | 0.95% | 15.56% |
| CANE | Sugar | -1.01% | 1.37% | -3.80% |
| BAL | Cotton | 0.97% | 17.88% | 21.72% |
| NIB | Cocoa | 0.65% | 2.86% | -12.22% |
| JO | Coffee | 0.09% | 10.36% | 6.82% |

Currencies Performance

| Ticker | Name | 1 Day | 1 Month | YTD |
|--------|------------------------|--------|---------|---------|
| UUP | Long Dollar | -0.07% | 2.90% | 13.58% |
| UDN | Short Dollar | 0.06% | -2.75% | -12.50% |
| FXE | Euro | 0.28% | -1.76% | -12.27% |
| FXB | British Pound Sterling | -0.36% | -4.57% | -14.19% |
| FXF | Swiss Franc | -0.46% | -2.69% | -7.45% |
| FXJ | Japanese Yen | -0.16% | -4.09% | -17.41% |
| FXC | Canadian Dollar | -0.27% | -2.43% | -3.90% |
| FXA | Australian Dollar | -0.17% | -2.02% | -6.01% |

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