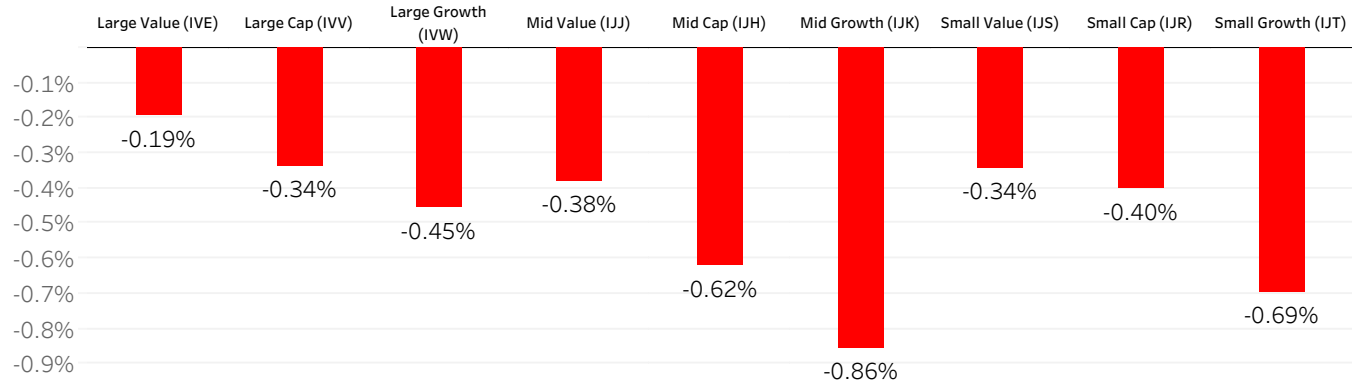


Large Cap Blend (S&P 500) IVV



U.S. Size & Style 1-Day Performance



Mid Cap Blend (S&P 400) IJH



Size & Style 1-Day Performance Leaders

| Ticker | Fund | Performance |
|--------|--|-------------|
| SPDV | AAM S&P 500 High Dividend Value ETF | 0.51% |
| SPMO | Invesco S&P 500 Momentum ETF | 0.45% |
| AUSF | Global X Adaptive U.S. Factor ETF | 0.45% |
| CALF | Pacer US Small Cap Cash Cows 100 ETF | 0.42% |
| MTUM | iShares MSCI USA Momentum Factor ETF | 0.40% |
| DGRW | WisdomTree US Quality Dividend Growth Fund | 0.38% |
| DURA | VanEck Durable High Dividend ETF | 0.37% |
| SCHD | Schwab US Dividend Equity ETF | 0.35% |
| FLQL | Franklin LibertyQ U.S. Equity ETF | 0.34% |
| RDIV | Invesco S&P Ultra Dividend Revenue ETF | 0.34% |

Size & Style Most Overbought

| Ticker | Fund | Price |
|--------|---|-------|
| PTLC | Pacer Trendpilot US Large Cap ETF | 77.55 |
| SPC | CrossingBridge Pre-Merger SPAC ETF | 70.62 |
| DJD | Invesco Dow Jones Industrial Average Dividend ETF | 68.79 |
| DEIF | Sterling Capital Diverse Multi-Manager Active ETF | 67.30 |
| DURA | VanEck Durable High Dividend ETF | 65.95 |
| EDOW | First Trust Dow 30 Equal Weight ETF | 65.86 |
| SIXS | ETC 6 Meridian Small Cap Equity ETF | 65.84 |
| DIA | SPDR Dow Jones Industrial Average ETF Trust | 65.74 |
| PWC | Invesco Dynamic Market ETF | 65.69 |
| VYM | Vanguard High Dividend Yield Index ETF | 64.09 |

Small Cap Blend (S&P 600) IJR



Size & Style 1-Day Performance Laggards

| Ticker | Fund | Performance |
|--------|--|-------------|
| SURE | AdvisorShares Insider Advantage ETF | -2.42% |
| IPO | Renaissance IPO ETF | -2.42% |
| LCG | Sterling Capital Focus Equity ETF | -1.93% |
| TMFM | Motley Fool Mid-Cap Growth ETF | -1.81% |
| NUMG | Nuveen ESG Mid-Cap Growth ETF | -1.80% |
| TMFS | Motley Fool Small-Cap Growth ETF | -1.72% |
| VFMO | Vanguard U.S. Momentum Factor ETF | -1.49% |
| VBK | Vanguard Small-Cap Growth ETF | -1.48% |
| IMCG | iShares Morningstar Mid-Cap Growth ETF | -1.40% |
| IWP | iShares Russell Mid-Cap Growth ETF | -1.36% |

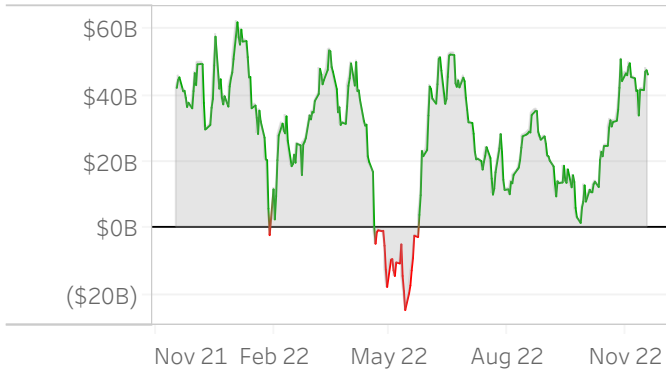
Size & Style Most Oversold

| Ticker | Fund | Price |
|--------|--|-------|
| GUSA | Goldman Sachs MarketBeta U.S. 1000 Equity ETF | 20.85 |
| IPO | Renaissance IPO ETF | 46.43 |
| LSAT | Leadershires Alphafactor Tactical Focused ETF | 47.08 |
| WBIG | WBI BullBear Yield 3000 ETF | 47.69 |
| FPX | First Trust US Equity Opportunities ETF | 48.91 |
| FFTY | Innovator IBD 50 ETF | 49.26 |
| AIEQ | AI Powered Equity ETF | 50.03 |
| QMOM | Alpha Architect U.S. Quantitative Momentum ETF | 50.23 |
| PTMC | Pacer Trendpilot US Mid Cap ETF | 50.24 |
| RUFF | Alpha Dog ETF | 50.29 |

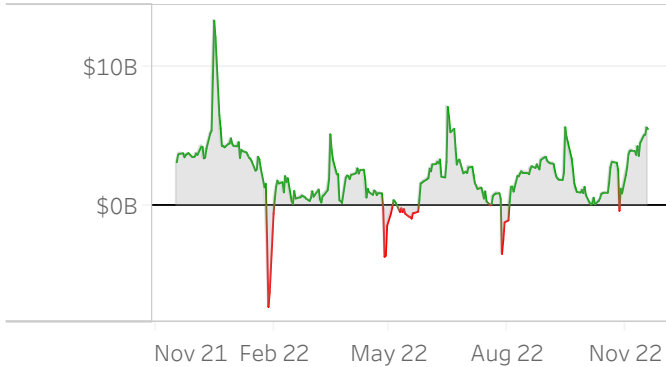
■ Closing Price ■ 50 Day Moving Average ■ 200 Day Moving Average

* 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 | \$1,239B | \$4.29B | \$36.72B | \$76.94B | \$114.34B |
| Large Cap, Beta Growth, Beta: Growth | 10 | \$222B | \$1.40B | \$3.70B | \$14.48B | \$20.95B |
| Large Cap, Beta Growth, Beta: Value | 11 | \$225B | (\$0.31B) | \$4.05B | \$6.39B | \$23.06B |
| Mid Cap, Beta, Beta | 10 | \$181B | \$0.27B | \$3.86B | \$6.61B | \$13.94B |
| Mid Cap, Beta, Beta: Growth | 6 | \$33B | \$0.30B | \$0.07B | \$1.63B | \$0.90B |
| Mid Cap, Beta, Beta: Value | 6 | \$41B | \$0.21B | \$1.37B | \$1.94B | \$1.73B |
| Small Cap, Beta, Beta | 13 | \$195B | \$0.99B | \$3.56B | \$3.21B | \$3.55B |
| Small Cap, Beta, Beta: Growth | 7 | \$31B | \$0.01B | \$0.04B | \$0.85B | \$1.59B |
| Small Cap, Beta, Beta: Value | 7 | \$51B | \$0.10B | \$0.75B | \$1.01B | (\$2.30B) |

U.S. Size & Style Flow Leaders

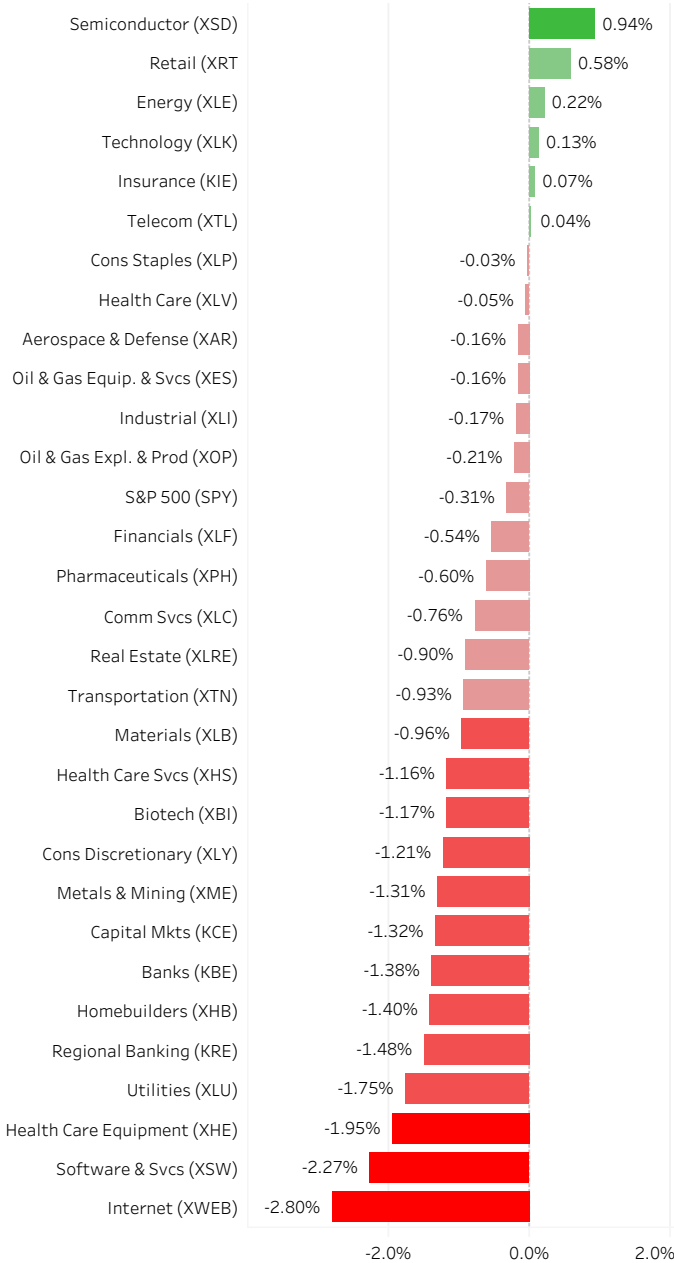
| Ticker | Fund | 1 Week | 3 Month | 6 Month | 1 Year | AUM |
|--------|------------------------------------|---------|-----------|----------|-----------|-----------|
| IVV | iShares Core S&P 500 ETF | \$1.49B | \$5.47B | \$16.21B | \$27.15B | \$301.70B |
| SPY | SPDR S&P 500 ETF Trust | \$1.11B | \$11.98B | \$18.74B | \$15.53B | \$373.98B |
| IWM | iShares Russell 2000 ETF | \$0.81B | \$2.13B | \$0.80B | (\$3.04B) | \$55.61B |
| SPYG | SPDR Portfolio S&P 500 Growth ETF | \$0.71B | (\$0.72B) | \$2.41B | \$2.40B | \$13.89B |
| VOO | Vanguard S&P 500 ETF | \$0.70B | \$10.70B | \$26.38B | \$41.38B | \$273.72B |
| QQQ | Invesco QQQ Trust | \$0.65B | \$3.64B | \$5.74B | \$14.39B | \$161.06B |
| SPLV | Invesco S&P 500 Low Volatility ETF | \$0.59B | (\$1.35B) | \$0.91B | \$2.25B | \$10.81B |
| RSP | Invesco S&P 500 Equal Weight ETF | \$0.49B | \$1.59B | \$1.87B | \$5.37B | \$33.09B |
| SCHD | Schwab US Dividend Equity ETF | \$0.48B | \$4.01B | \$7.39B | \$12.94B | \$42.71B |
| VUG | Vanguard Growth ETF | \$0.45B | \$1.42B | \$4.99B | \$8.92B | \$72.07B |

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) | \$10.63B |
| SPYD | SPDR Portfolio S&P 500 High Dividend ETF | (\$0.42B) | (\$0.17B) | \$0.11B | \$2.71B | \$7.63B |
| MTUM | iShares MSCI USA Momentum Factor ETF | (\$0.41B) | \$1.78B | \$1.47B | (\$1.08B) | \$12.19B |
| DGRO | iShares Core Dividend Growth ETF | (\$0.40B) | \$0.28B | \$1.29B | \$4.02B | \$24.10B |
| VTV | Vanguard Value ETF | (\$0.34B) | \$1.01B | \$3.39B | \$15.33B | \$103.13B |
| IWD | iShares Russell 1000 Value ETF | (\$0.22B) | \$0.77B | \$0.65B | \$0.44B | \$54.16B |
| OEF | iShares S&P 100 ETF | (\$0.18B) | (\$0.33B) | (\$0.03B) | \$0.20B | \$7.49B |
| MGK | Vanguard Mega Cap Growth ETF | (\$0.12B) | (\$0.52B) | \$0.00B | \$0.65B | \$10.22B |
| VB | Vanguard Small-Cap ETF | (\$0.11B) | \$0.33B | \$0.13B | \$0.58B | \$42.15B |
| IWP | iShares Russell Mid-Cap Growth ETF | (\$0.09B) | (\$0.14B) | \$0.25B | (\$0.10B) | \$12.08B |

* 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) |
|--------|--|-----------------|----------------|--------------------|---------------------|-----------|
| XLE | Energy Select Sector SPDR Fund | -1.83% | 74.23% | 10.96% | 17.58% | 60.64 |
| XLV | Health Care Select Sector SPDR Fund | -6.91% | 10.90% | 4.26% | 2.24% | 58.65 |
| XLI | Industrial Select Sector SPDR Fund | -7.79% | 19.16% | 9.07% | 4.90% | 65.30 |
| XLP | Consumer Staples Select Sector SPDR Fund | -8.29% | 11.11% | 4.83% | 0.40% | 62.51 |
| XLB | Materials Select Sector SPDR Fund | -12.31% | 18.03% | 8.68% | 0.20% | 62.50 |
| XLU | Utilities Select Sector SPDR Fund | -13.70% | 9.59% | -0.72% | -5.09% | 51.78 |
| XLF | Financial Select Sector SPDR Fund | -15.31% | 15.81% | 7.11% | 1.78% | 60.59 |
| SPY | SPDR S&P 500 ETF Trust | -17.47% | 10.57% | 4.22% | -2.58% | 57.82 |
| XLK | Technology Select Sector SPDR Fund | -25.31% | 13.19% | 5.12% | -4.49% | 57.97 |
| XLRE | Real Estate Select Sector SPDR Fund | -27.49% | 11.25% | 1.72% | -11.57% | 54.68 |
| XLY | Consumer Discretionary Select Sector SPDR Fund | -33.05% | 6.63% | -3.17% | -10.79% | 47.99 |
| XLC | Communication Services Select Sector SPDR Fund | -37.01% | 9.40% | 0.26% | -14.10% | 53.37 |

Sector & Industry 1 Day Performance Leaders

| Ticker | Fund | 1 Day Performance |
|--------|---|-------------------|
| SOXQ | Invesco PHLX Semiconductor ETF | 1.23% |
| XSD | SPDR S&P Semiconductor ETF | 0.94% |
| PSI | Invesco Dynamic Semiconductors ETF | 0.90% |
| IYZ | iShares U.S. Telecommunications ETF | 0.84% |
| SOXX | iShares Semiconductor ETF | 0.78% |
| PJP | Invesco Dynamic Pharmaceuticals ETF | 0.70% |
| XRT | SPDR S&P Retail ETF | 0.58% |
| ITA | iShares U.S. Aerospace & Defense ETF | 0.56% |
| IEO | iShares U.S. Oil & Gas Exploration & Production ETF | 0.48% |
| FTXL | First Trust Nasdaq Semiconductor ETF | 0.45% |

Sector & Industry Most Overbought

| Ticker | Fund | RSI (14D) |
|--------|---|-----------|
| XLI | Industrial Select Sector SPDR Fund | 65.30 |
| FBT | First Trust NYSE Arca Biotechnology Index Fund | 64.61 |
| PXJ | Invesco Dynamic Oil & Gas Services ETF | 63.83 |
| PSL | Invesco DWA Consumer Staples Momentum ETF | 63.51 |
| VIS | Vanguard Industrials ETF | 63.37 |
| AIRR | First Trust RBA American Industrial Renaissance ETF | 63.36 |
| FIDU | Fidelity MSCI Industrial Index ETF | 63.28 |
| IBB | iShares Biotechnology ETF | 62.79 |
| PSCC | Invesco S&P SmallCap Consumer Staples ETF | 62.60 |
| RGI | Invesco S&P 500 Equal Weight Industrials ETF | 62.57 |

Sector & Industry 1 Day Performance Laggards

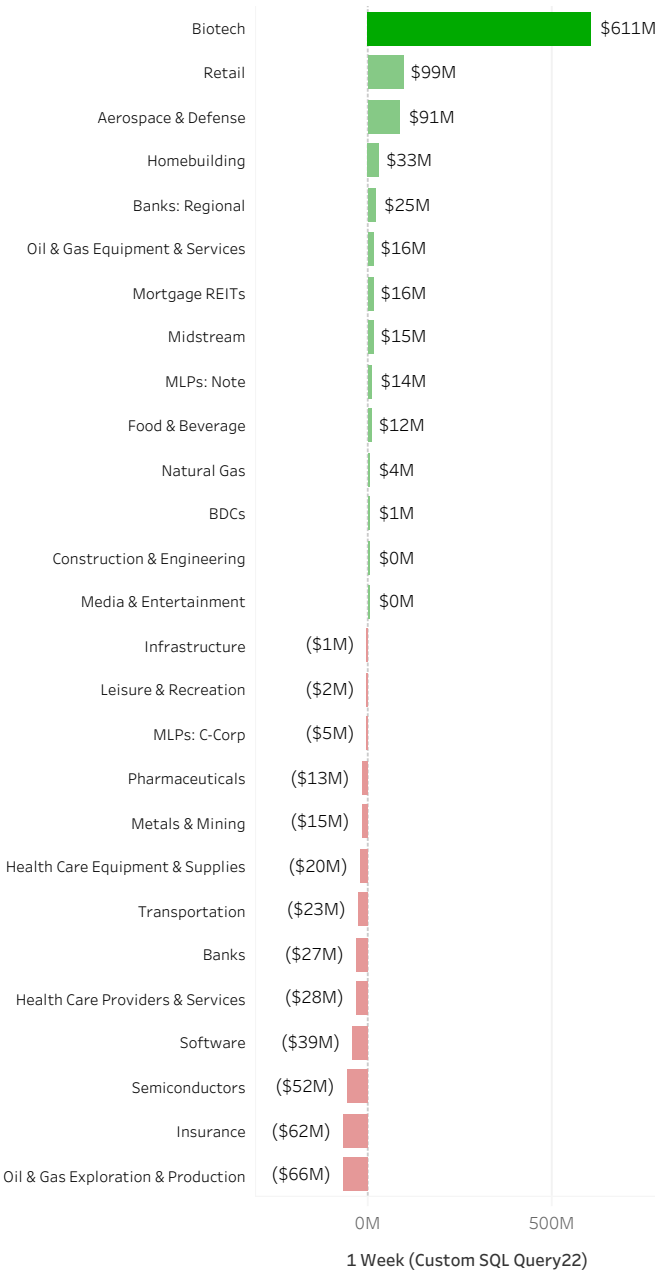
| Ticker | Fund | 1 Day Performance |
|--------|--|-------------------|
| XSW | SPDR S&P Software & Services ETF | -2.27% |
| IGV | iShares Expanded Tech-Software Sector ETF | -2.13% |
| XHE | SPDR S&P Health Care Equipment ETF | -1.95% |
| FDN | First Trust Dow Jones Internet Index Fund | -1.88% |
| REM | iShares Mortgage Real Estate ETF | -1.79% |
| XLU | Utilities Select Sector SPDR Fund | -1.75% |
| MORT | VanEck Mortgage REIT Income ETF | -1.74% |
| FUTY | Fidelity MSCI Utilities Index ETF | -1.73% |
| RYU | Invesco S&P 500 Equal Weight Utilities ETF | -1.72% |
| VPU | Vanguard Utilities ETF | -1.72% |

Sector & Industry Most Oversold

| Ticker | Fund | RSI (14D) |
|--------|---|-----------|
| XHS | SPDR S&P Health Care Services ETF | 40.22 |
| PTH | Invesco DWA Healthcare Momentum ETF | 40.77 |
| IHF | iShares U.S. Healthcare Providers ETF | 42.34 |
| NURE | Nuveen Short-Term REIT ETF | 47.01 |
| XLY | Consumer Discretionary Select Sector SPDR Fund | 47.99 |
| REZ | iShares Residential and Multisector Real Estate ETF | 47.99 |
| KRE | SPDR S&P Regional Banking ETF | 48.02 |
| XPH | SPDR S&P Pharmaceuticals ETF | 48.21 |
| XBI | SPDR S&P BIOTECH ETF | 48.32 |
| KBWR | Invesco KBW Regional Banking ETF | 48.52 |

* 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 | 7 | \$12B | (\$112M) | (\$271M) | \$252M | (\$1,577M) |
| Consumer Discretionary | 12 | \$22B | \$19M | (\$314M) | (\$854M) | (\$5,490M) |
| Consumer Staples | 10 | \$29B | \$295M | \$765M | \$1,864M | \$8,271M |
| Energy | 33 | \$86B | \$297M | \$1,869M | (\$1,750M) | \$3,609M |
| Financials | 26 | \$62B | \$619M | \$1,064M | (\$3,409M) | (\$10,401M) |
| Health Care | 23 | \$95B | \$530M | \$1,561M | \$5,209M | \$13,182M |
| Industrial | 13 | \$30B | \$225M | (\$89M) | (\$799M) | (\$2,717M) |
| Materials | 9 | \$14B | \$57M | (\$963M) | (\$2,695M) | (\$1,740M) |
| Multi-Sector | 19 | \$13B | \$1M | (\$726M) | (\$1,369M) | (\$5,900M) |
| Real Estate | 25 | \$60B | (\$289M) | (\$518M) | (\$2,607M) | (\$2,802M) |
| Technology | 23 | \$117B | \$973M | \$628M | \$1,959M | \$2,946M |
| Utilities | 9 | \$25B | (\$167M) | \$354M | \$1,483M | \$5,285M |

U.S. Sector & Industry Flow Leaders

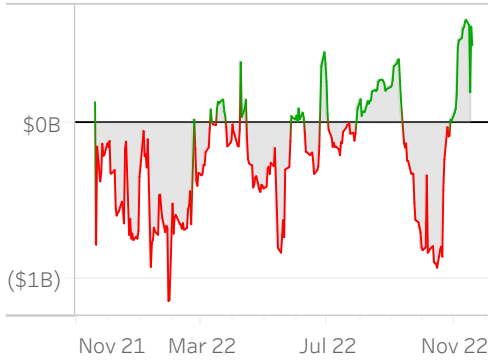
| Ticker | Fund | 1 Week | 3 Month | 6 Month | 1 Year | AUM |
|--------|--|--------|----------|------------|------------|-----------|
| VGT | Vanguard Information Technology ETF | \$564M | (\$420M) | \$652M | \$925M | \$41,826M |
| XLK | Technology Select Sector SPDR Fund | \$459M | (\$301M) | \$950M | \$2,467M | \$40,229M |
| XBI | SPDR S&P BIOTECH ETF | \$449M | \$535M | \$1,157M | \$3,477M | \$8,006M |
| XLF | Financial Select Sector SPDR Fund | \$378M | \$598M | (\$1,997M) | (\$6,132M) | \$32,846M |
| XLE | Energy Select Sector SPDR Fund | \$287M | \$815M | (\$224M) | \$730M | \$44,034M |
| XLP | Consumer Staples Select Sector SPDR Fund | \$272M | \$660M | \$968M | \$4,843M | \$16,789M |
| IAI | iShares U.S. Broker-Dealers & Securities Excha.. | \$242M | \$262M | \$291M | (\$93M) | \$803M |
| IBB | iShares Biotechnology ETF | \$155M | \$363M | \$254M | \$409M | \$8,941M |
| RCD | Invesco S&P 500 Equal Weight Consumer Discr.. | \$144M | \$132M | \$187M | \$107M | \$513M |
| XRT | SPDR S&P Retail ETF | \$99M | \$112M | \$221M | (\$376M) | \$563M |

U.S. Sector & Industry Flow Laggards

| Ticker | Fund | 1 Week | 3 Month | 6 Month | 1 Year | AUM |
|--------|---|----------|----------|------------|------------|-----------|
| IYR | iShares U.S. Real Estate ETF | (\$232M) | (\$419M) | (\$733M) | (\$2,361M) | \$3,312M |
| XLY | Consumer Discretionary Select Sector SPDR Fu.. | (\$221M) | (\$304M) | (\$571M) | (\$2,074M) | \$14,205M |
| XLU | Utilities Select Sector SPDR Fund | (\$107M) | \$438M | \$989M | \$3,477M | \$15,903M |
| VNQ | Vanguard Real Estate ETF | (\$100M) | (\$406M) | (\$1,694M) | (\$1,076M) | \$34,822M |
| VHT | Vanguard Health Care ETF | (\$97M) | \$215M | \$1,006M | \$1,117M | \$16,929M |
| XOP | SPDR S&P Oil & Gas Exploration & Production E.. | (\$69M) | (\$20M) | (\$289M) | (\$142M) | \$5,185M |
| XLC | Communication Services Select Sector SPDR Fu.. | (\$60M) | (\$315M) | \$345M | (\$1,093M) | \$8,516M |
| IYM | iShares U.S. Basic Materials ETF | (\$59M) | (\$222M) | (\$235M) | \$85M | \$764M |
| KIE | SPDR S&P Insurance ETF | (\$59M) | (\$13M) | \$53M | \$14M | \$516M |
| FXU | First Trust Utilities AlphaDEX Fund | (\$54M) | (\$56M) | \$34M | \$184M | \$363M |

* 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



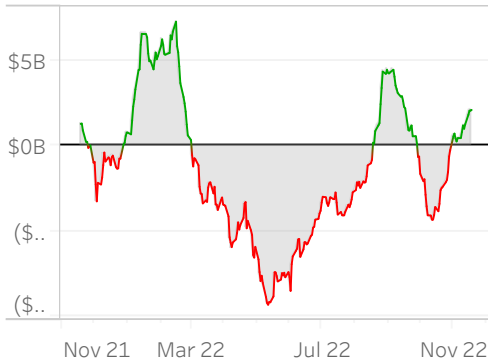
Consumer Staples



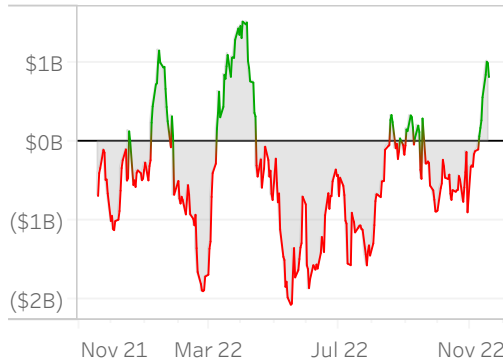
Energy



Financials



Industrial



Health Care



Materials



Real Estate



Technology



Utilities

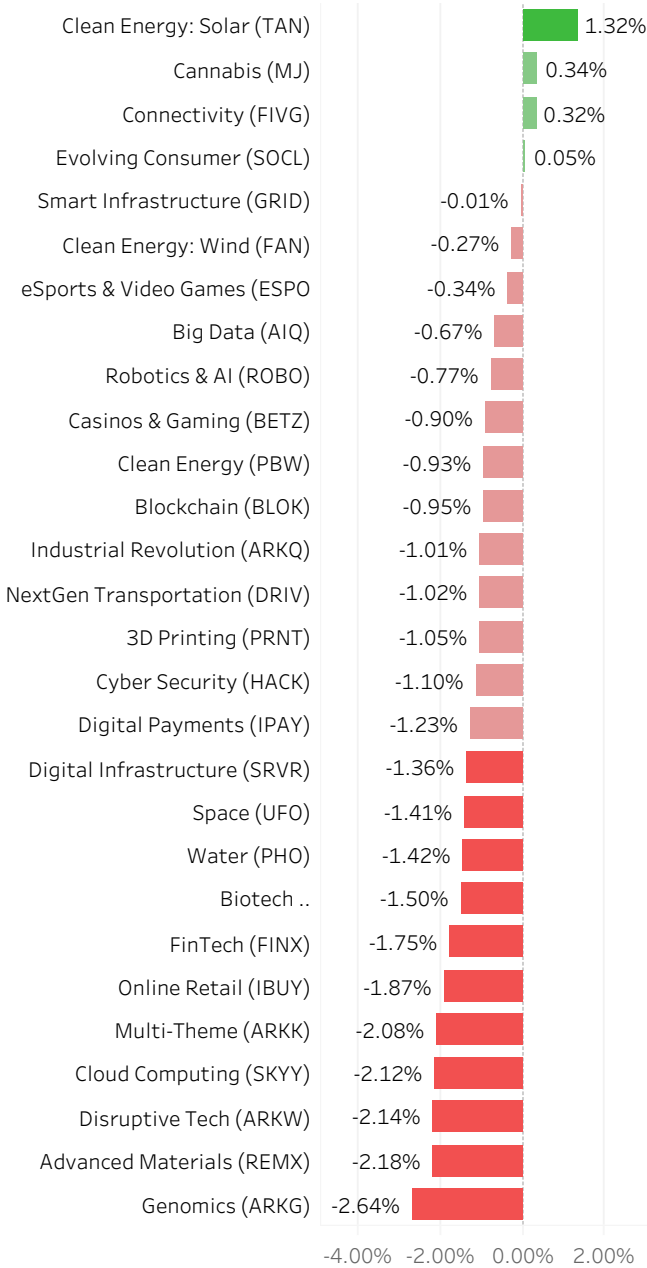


Multi-Sector

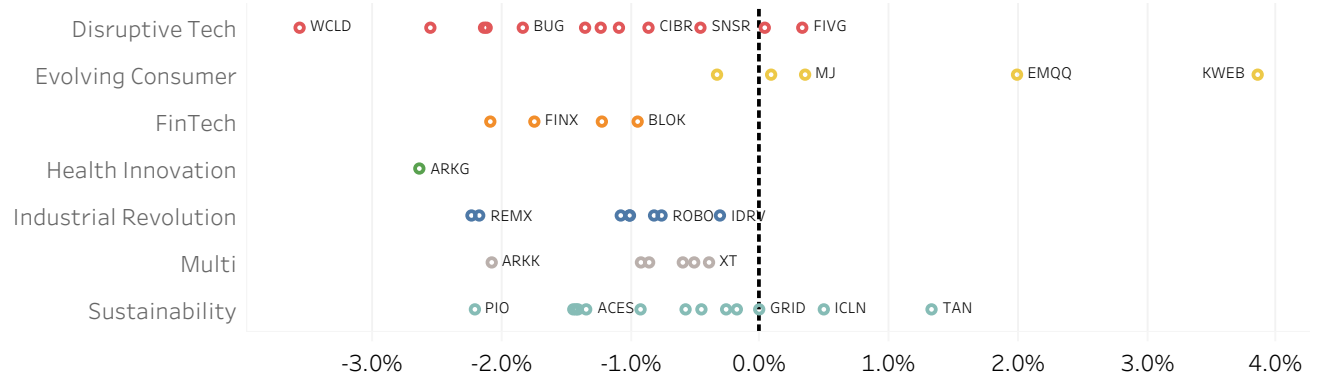


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

| Ticker | Fund | 1-Day Performance |
|--------|--|-------------------|
| KWEB | KraneShares CSI China Internet ETF | 3.85% |
| EMQQ | EMQQ The Emerging Markets Internet & Ecommerce ETF | 1.99% |
| TAN | Invesco Solar ETF | 1.32% |
| ICLN | iShares Global Clean Energy ETF | 0.49% |
| BJK | VanEck Gaming ETF | 0.36% |
| MJ | ETFMG Alternative Harvest | 0.34% |
| MJUS | ETFMG U.S. Alternative Harvest | 0.34% |
| FIVG | Defiance Next Gen Connectivity ETF | 0.32% |
| LEGR | First Trust Indxx Innovative Transaction & Process | 0.26% |
| KGRN | KraneShares MSCI China Clean Technology Index | 0.26% |

Thematic Most Overbought

| Ticker | Fund | Price |
|--------|---|-------|
| GRID | First Trust Nasdaq Clean Edge Smart GRID Infrastructure | 70.17 |
| MJUS | ETFMG U.S. Alternative Harvest | 68.60 |
| CTEC | Global X CleanTech | 67.35 |
| TAN | Invesco Solar | 67.19 |
| LEGR | First Trust Indxx Innovative Transaction & Process | 66.49 |
| BJK | VanEck Gaming | 65.12 |
| EMQQ | EMQQ The Emerging Markets Internet & Ecommerce | 65.06 |
| KWEB | KraneShares CSI China Internet | 64.96 |
| MSOS | AdvisorShares Pure US Cannabis | 64.70 |
| SNSR | Global X Internet of Things | 64.54 |

Global Thematic 1-Day Performance Laggards

| Ticker | Fund | 1-Day Performance |
|--------|------------------------------------|-------------------|
| WCLD | WisdomTree Cloud Computing | -3.57% |
| ARKG | ARK Genomic Revolution | -2.64% |
| CLOU | Global X Cloud Computing | -2.56% |
| PAWZ | ProShares Pet Care | -2.35% |
| GNOM | Global X Genomics & Biotechnology | -2.31% |
| LIT | Global X Lithium & Battery Tech | -2.24% |
| PIO | Invesco Global Water | -2.21% |
| REMX | VanEck Rare Earth/Strategic Metals | -2.18% |
| ARKW | ARK Next Generation Internet | -2.14% |
| SKYY | First Trust Cloud Computing | -2.12% |

Thematic Most Oversold

| Ticker | Fund | Price |
|--------|---------------------------------------|-------|
| BKCH | Global X Blockchain | 35.16 |
| BLOK | Amplify Transformational Data Sharing | 39.81 |
| BUG | Global X Cybersecurity | 45.40 |
| FINX | Global X FinTech | 46.07 |
| BTEC | Principal Healthcare Innovators | 46.44 |
| LIT | Global X Lithium & Battery Tech | 46.59 |
| WCLD | WisdomTree Cloud Computing | 46.78 |
| ARKW | ARK Next Generation Internet | 47.52 |
| SBIO | ALPS Medical Breakthroughs | 47.59 |
| ARKG | ARK Genomic Revolution | 47.91 |

* 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 |
|--------|---|--------|
| ARKK | ARK Innovation ETF | \$454M |
| TAN | Invesco Solar ETF | \$155M |
| ARKG | ARK Genomic Revolution ETF | \$86M |
| MSOS | AdvisorShares Pure US Cannabis ETF | \$25M |
| SBIO | ALPS Medical Breakthroughs ETF | \$13M |
| KWEB | KraneShares CSI China Internet ETF | \$12M |
| ICLN | iShares Global Clean Energy ETF | \$6M |
| KOMP | SPDR S&P Kensho New Economies Composite ETF | \$5M |
| XT | iShares Exponential Technologies ETF | \$5M |
| ONLN | ProShares Online Retail ETF | \$5M |

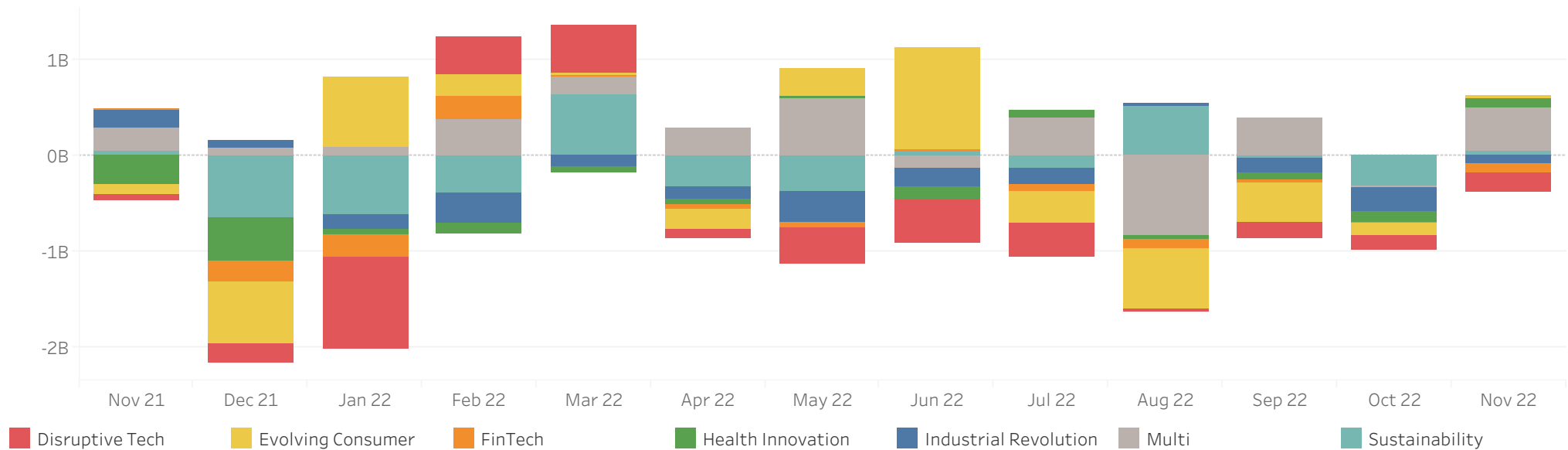
Thematic 1 Week Flow Laggards

| Ticker | Fund | Flow |
|--------|---|---------|
| SKYY | First Trust Cloud Computing ETF | (\$54M) |
| CIBR | First Trust NASDAQ Cybersecurity ETF | (\$26M) |
| TARK | AXS 2X Innovation ETF | (\$14M) |
| PBW | Invesco WilderHill Clean Energy ETF | (\$14M) |
| ESPO | VanEck Video Gaming and eSports ETF | (\$11M) |
| BLOK | Amplify Transformational Data Sharing ETF | (\$8M) |
| DRIV | Global X Autonomous & Electric Vehicles ETF | (\$7M) |
| FINX | Global X FinTech ETF | (\$7M) |
| BOTZ | Global X Robotics & Artificial Intelligence ETF | (\$7M) |
| PHO | Invesco Water Resources ETF | (\$7M) |

Thematic Landscape Assets & Flows

| Segment | Funds | AUM | 1 Week | 3 Month | 6 Month | 1 Year |
|-----------------------|------------|--------------|---------------|-------------------|-------------------|-------------------|
| Disruptive Tech | 35 | \$16B | (\$87M) | (\$644M) | (\$1,420M) | (\$2,157M) |
| Evolving Consumer | 46 | \$9B | \$34M | (\$603M) | (\$519M) | (\$89M) |
| FinTech | 23 | \$3B | (\$5M) | (\$187M) | (\$296M) | (\$601M) |
| Health Innovation | 19 | \$3B | \$65M | (\$149M) | (\$248M) | (\$1,202M) |
| Industrial Revolution | 32 | \$11B | (\$34M) | (\$538M) | (\$900M) | (\$1,635M) |
| Multi | 41 | \$15B | \$339M | \$773M | \$160M | \$2,094M |
| Sustainability | 40 | \$19B | \$111M | (\$293M) | \$99M | (\$1,623M) |
| Grand Total | 236 | \$76B | \$424M | (\$1,642M) | (\$3,125M) | (\$5,213M) |

Thematic Monthly Flows

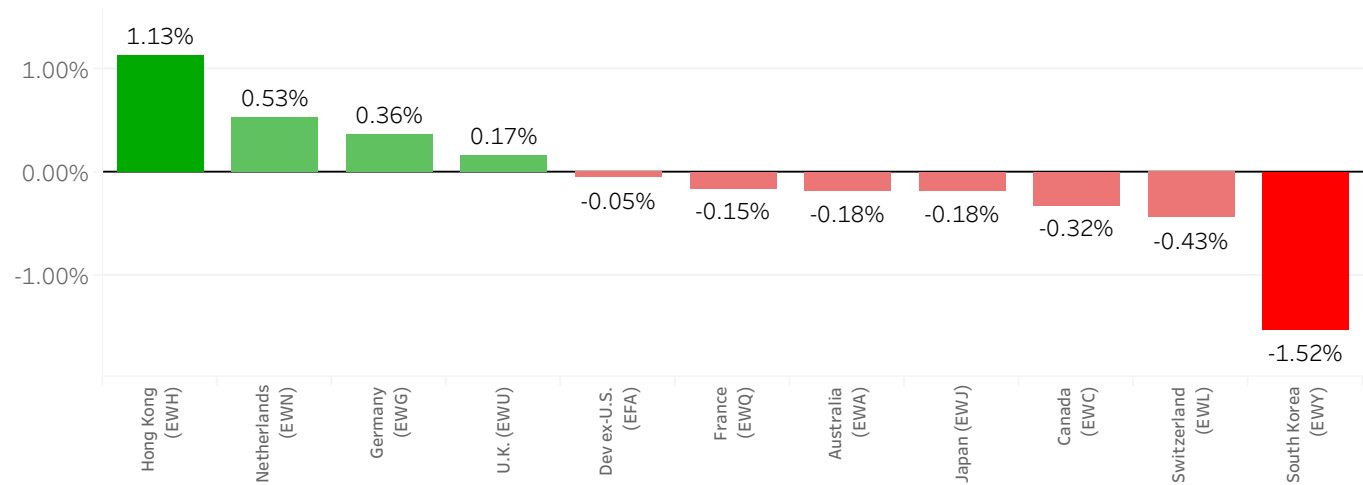


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

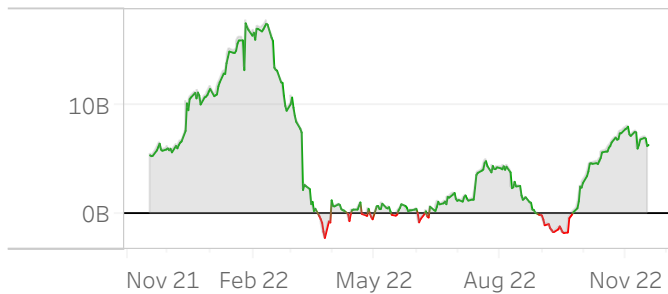
Developed ex-U.S. (EFA)



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



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



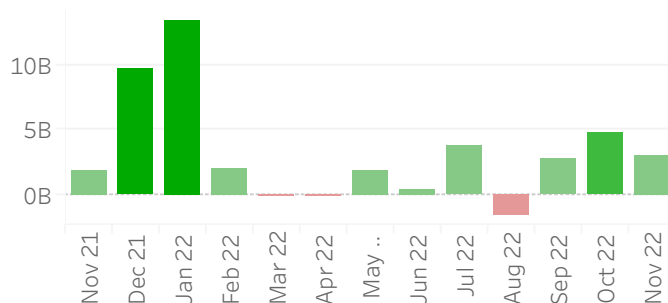
Developed ex-U.S. 1-Day Performance Leaders

| Ticker | Fund | 1-Day Performance |
|--------|---|-------------------|
| AIA | iShares Asia 50 ETF | 1.16% |
| EWH | iShares MSCI Hong Kong ETF | 1.13% |
| BKCI | BNY Mellon Concentrated International ETF | 0.71% |
| SCJ | iShares MSCI Japan Small-Cap ETF | 0.67% |
| EWS | iShares MSCI Singapore ETF | 0.63% |
| AAXJ | iShares MSCI All Country Asia ex Japan ETF | 0.55% |
| JIRE | JPMorgan International Research Enhanced Equity ETF | 0.53% |
| EWN | iShares MSCI Netherlands ETF | 0.53% |
| DBEF | Xtrackers MSCI EAFE Hedged Equity ETF | 0.46% |
| ENZL | iShares MSCI New Zealand ETF | 0.44% |

Developed ex-U.S. Most Overbought

| Ticker | Fund | Value |
|--------|---|-------|
| EWS | iShares MSCI Singapore ETF | 75.54 |
| GSID | Goldman Sachs MarketBeta International Equity ETF | 73.44 |
| EWI | iShares MSCI Italy ETF | 72.46 |
| FEZ | SPDR EURO STOXX 50 ETF | 72.37 |
| EWG | iShares MSCI Germany ETF | 71.95 |
| HDEF | Xtrackers MSCI EAFE High Dividend Yield Equity ETF | 70.86 |
| EWN | iShares MSCI Netherlands ETF | 70.47 |
| EZU | iShares MSCI Eurozone ETF | 70.44 |
| HEZU | iShares Currency Hedged MSCI Eurozone ETF | 70.23 |
| NUDM | Nuveen ESG International Developed Markets Equity ETF | 70.11 |

Developed ex-U.S. Monthly Flows



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

| Ticker | Fund | 1-Day Performance |
|--------|--|-------------------|
| EIS | iShares MSCI Israel ETF | -2.37% |
| ISRA | VanEck Israel ETF | -1.99% |
| CIL | VictoryShares International Volatility Wtd ETF | -1.83% |
| IVAL | Alpha Architect International Quantitative Value ETF | -1.60% |
| EWY | iShares MSCI South Korea ETF | -1.52% |
| FLKR | Franklin FTSE South Korea ETF | -1.52% |
| NORW | Global X MSCI Norway ETF | -1.47% |
| EWD | iShares MSCI Sweden ETF | -1.25% |
| PIZ | Invesco DWA Developed Markets Momentum ETF | -1.24% |
| FSZ | First Trust Switzerland AlphaDEX Fund | -1.18% |

Developed ex-U.S. Most Oversold

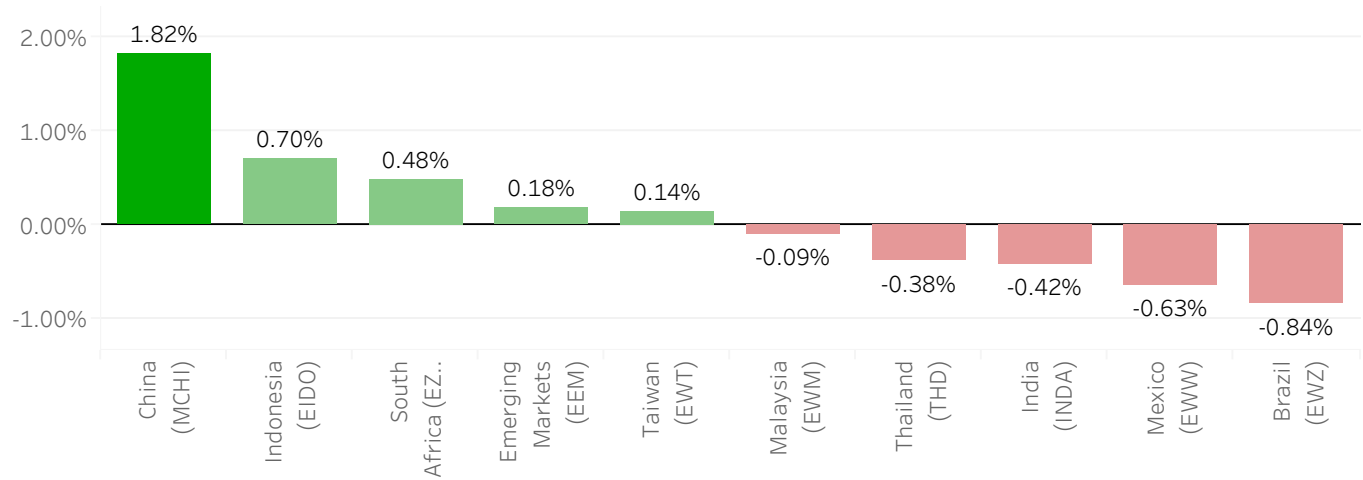
| Ticker | Fund | Value |
|--------|---|-------|
| PTIN | Pacer Trendpilot International ETF | 26.60 |
| EIS | iShares MSCI Israel ETF | 49.61 |
| ISRA | VanEck Israel ETF | 51.93 |
| NORW | Global X MSCI Norway ETF | 55.74 |
| IVAL | Alpha Architect International Quantitative Value ETF | 59.26 |
| FSZ | First Trust Switzerland AlphaDEX Fund | 59.30 |
| EWD | iShares MSCI Sweden ETF | 60.45 |
| EWC | iShares MSCI Canada ETF | 60.50 |
| IMOM | Alpha Architect International Quantitative Moment.. | 60.51 |
| RFDI | First Trust Riverfront Dynamic Developed Internatio.. | 61.28 |

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

Emerging (EEM)



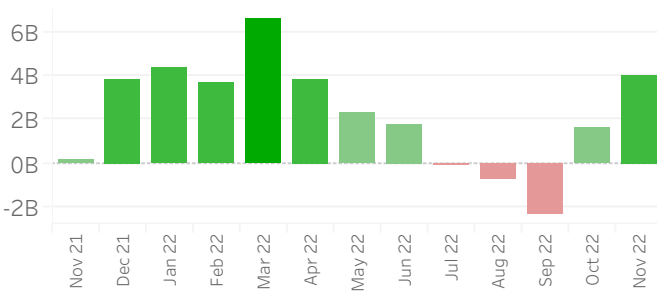
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

| Ticker | Fund | 1-Day Performance |
|--------|---|-------------------|
| PGJ | Invesco Golden Dragon China ETF | 3.69% |
| FXI | iShares China Large-Cap ETF | 2.36% |
| CXSE | WisdomTree China ex-State-Owned Enterprises Fund | 2.02% |
| MCHI | iShares MSCI China ETF | 1.82% |
| ECNS | iShares MSCI China Small-Cap ETF | 1.74% |
| FNI | First Trust Chindia ETF | 1.64% |
| FLCH | Franklin FTSE China ETF | 1.59% |
| ADRE | Invesco BLDERS Emerging Markets 50 ADR Index Fund | 1.55% |
| GXC | SPDR S&P China ETF | 1.48% |
| KSA | iShares MSCI Saudi Arabia ETF | 0.89% |

Emerging Most Overbought

| Ticker | Fund | Value |
|--------|---|-------|
| EPOL | iShares MSCI Poland ETF | 72.71 |
| EWW | iShares MSCI Mexico ETF | 70.64 |
| EWT | iShares MSCI Taiwan ETF | 69.67 |
| EZA | iShares MSCI South Africa ETF | 67.34 |
| EPU | iShares MSCI Peru ETF | 65.85 |
| ADRE | Invesco BLDERS Emerging Markets 50 ADR Index Fund | 65.44 |
| JEMA | JPMorgan ActiveBuilders Emerging Markets Equity E.. | 65.31 |
| EEMA | iShares MSCI Emerging Markets Asia ETF | 65.11 |
| ECNS | iShares MSCI China Small-Cap ETF | 65.09 |
| HEEM | iShares Currency Hedged MSCI Emerging Markets ETF | 64.90 |

Emerging 1-Day Performance Laggards

| Ticker | Fund | 1-Day Performance |
|--------|---|-------------------|
| ECH | iShares MSCI Chile ETF | -4.01% |
| TUR | iShares MSCI Turkey ETF | -3.53% |
| EWZS | iShares MSCI Brazil Small-Cap ETF | -1.94% |
| EPOL | iShares MSCI Poland ETF | -1.36% |
| EPU | iShares MSCI Peru ETF | -1.25% |
| ILF | iShares Latin America 40 ETF | -1.12% |
| KBA | KraneShares Boserer MSCI China A 50 Connect Index ETF | -1.09% |
| FRDM | Freedom 100 Emerging Markets ETF | -0.94% |
| EWZ | iShares MSCI Brazil ETF | -0.84% |
| FEM | First Trust Emerging Markets AlphaDEX Fund | -0.84% |

Emerging Most Oversold

| Ticker | Fund | Value |
|--------|-----------------------------------|-------|
| EWZS | iShares MSCI Brazil Small-Cap ETF | 36.04 |
| FLBR | Franklin FTSE Brazil ETF | 40.06 |
| EWZ | iShares MSCI Brazil ETF | 40.44 |
| KSA | iShares MSCI Saudi Arabia ETF | 40.46 |
| EIDO | iShares MSCI Indonesia ETF | 41.55 |
| QAT | iShares MSCI Qatar ETF | 42.14 |
| ILF | iShares Latin America 40 ETF | 43.46 |
| FLLA | Franklin FTSE Latin America ETF | 44.19 |
| VNM | VanEck Vietnam ETF | 45.51 |
| SMIN | iShares MSCI India Small Cap ETF | 46.33 |

* 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 | -0.42% | 2.64% | -13.29% |
| SHY | 1-3 Year Treasury Bonds | -0.12% | 0.46% | -4.30% |
| IEF | 7-10 Year Treasury Bonds | -0.68% | 2.43% | -14.88% |
| TLT | 20+ Year Treasury Bonds | -1.06% | 2.53% | -31.04% |
| TIP | TIPS Bonds | -0.68% | 0.52% | -12.56% |
| FLOT | Floating Rate Bonds | 0.00% | 0.66% | 0.44% |
| LQD | Investment Grade Corporate | -0.54% | 5.23% | -18.14% |
| HYG | High Yield Corporate | -0.43% | 2.71% | -11.31% |
| BKLN | Senior Loan | -0.29% | 1.54% | -2.28% |
| PFF | Preferred & Income Securities | -0.69% | 3.48% | -16.46% |
| MUB | Municipal Bonds | 0.11% | 1.68% | -8.35% |
| MBB | MBS | -0.38% | 3.33% | -12.11% |
| EMB | Dollar Denominated EM Bonds | -0.90% | 7.36% | -20.23% |
| LEMB | Local Currency EM Bond | -1.09% | 4.12% | -14.28% |

Commodities Performance

| Ticker | Name | 1 Day | 1 Month | YTD |
|--------|--------------------------|--------|---------|---------|
| DJP | Broad Commodities | -1.18% | 2.93% | 19.86% |
| DBE | Energy | -2.30% | -1.31% | 41.45% |
| USO | WTI Crude Oil | -2.64% | 0.01% | 29.03% |
| BNO | Brent Crude Oil | -2.78% | 0.20% | 40.60% |
| UNG | Natural Gas | 2.54% | -1.15% | 64.93% |
| UGA | Gasoline | -2.25% | 0.81% | 41.94% |
| DBP | Precious Metals | -1.01% | 7.79% | -6.57% |
| GLD | Gold | -0.73% | 6.84% | -4.12% |
| SLV | Silver | -2.28% | 12.68% | -10.32% |
| PPLT | abrdrn Physical Platin.. | -2.24% | 7.51% | 1.29% |
| PALL | abrdrn Physical Palla.. | -3.25% | 0.61% | 5.44% |
| DBB | Base Metals | -1.02% | 8.82% | -12.44% |
| CPER | Copper | -2.20% | 8.40% | -18.45% |
| LD | Lead | -2.79% | 5.18% | -5.62% |
| JJN | Nickel | -4.45% | 18.59% | 23.05% |
| JJU | Aluminum | -0.97% | 7.06% | -14.97% |
| JJT | Tin | -3.83% | 12.63% | -39.88% |
| DBA | Agriculture | -0.90% | -0.90% | 0.66% |
| CORN | Corn | 0.00% | -2.71% | 23.35% |
| SOYB | Soybeans | -0.78% | 1.90% | 17.98% |
| WEAT | Wheat | -1.31% | -5.25% | 12.45% |
| CANE | Sugar | -2.19% | 2.55% | 1.85% |
| BAL | Cotton | -2.06% | 4.28% | -6.14% |
| NIB | Cocoa | -2.81% | 6.47% | -9.80% |
| JO | Coffee | -1.24% | -18.68% | -27.39% |

Currencies Performance

| Ticker | Name | 1 Day | 1 Month | YTD |
|--------|------------------------|--------|---------|---------|
| UUP | Long Dollar | 0.38% | -4.71% | 12.10% |
| UDN | Short Dollar | -0.44% | 5.24% | -10.77% |
| FXE | Euro | -0.25% | 5.46% | -9.53% |
| FXB | British Pound Sterling | -0.49% | 4.62% | -12.20% |
| FXF | Swiss Franc | -0.74% | 4.61% | -5.05% |
| FXJ | Japanese Yen | -0.55% | 6.22% | -18.32% |
| FXC | Canadian Dollar | -0.08% | 3.02% | -5.11% |
| FXA | Australian Dollar | -0.94% | 6.47% | -8.18% |

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