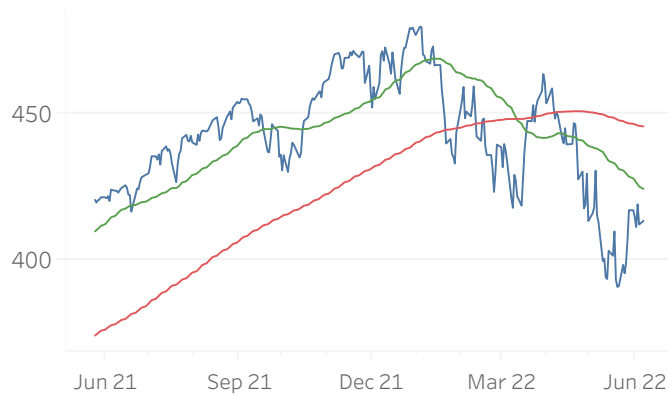


Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

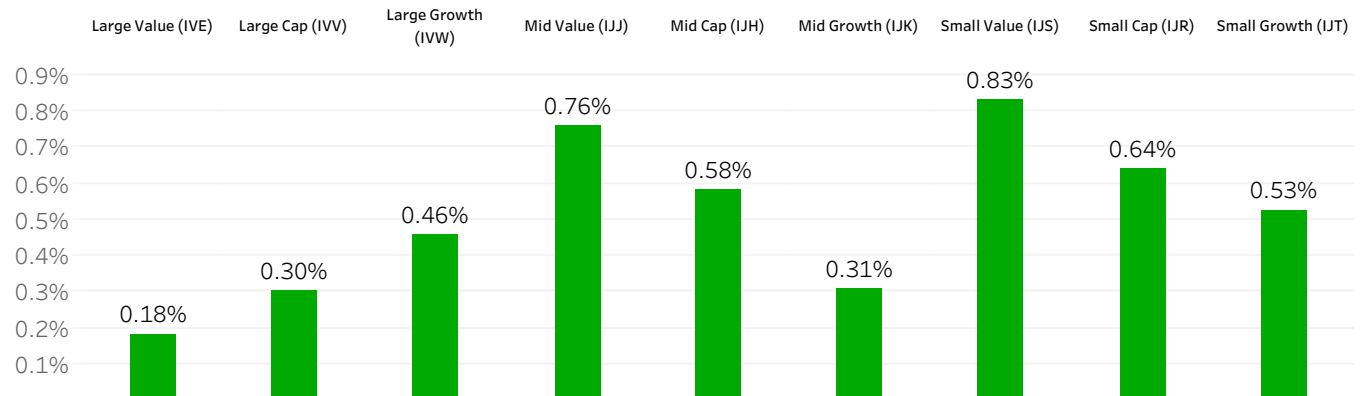


Small Cap Blend (S&P 600) IJR



■ 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
PABU	iShares Paris-Aligned Climate MSCI USA ETF	5.43%
NZUS	SPDR MSCI USA Climate Paris Aligned ETF	3.35%
IPO	Renaissance IPO ETF	1.53%
RZV	Invesco S&P Smallcap 600 Pure Value ETF	1.24%
CALF	Pacer US Small Cap Cash Cows 100 ETF	1.21%
XSVM	Invesco S&P SmallCap Value with Momentum ETF	1.21%
RWJ	Invesco S&P SmallCap 600 Revenue ETF	1.18%
AVUV	Avantis U.S. Small Cap Value ETF	1.13%
SYLD	Cambria Shareholder Yield ETF	1.10%
RFV	Invesco S&P Midcap 400 Pure Value ETF	1.09%

Size & Style Most Overbought

Ticker	Fund	Price
JMEE	JPMorgan Market Expansion Enhanced Equity ETF	61.95
AVUV	Avantis U.S. Small Cap Value ETF	61.37
XSMO	Invesco S&P SmallCap Momentum ETF	61.27
MGMT	Ballast Small/Mid Cap ETF	60.92
SVAL	iShares US Small Cap Value Factor ETF	60.41
EQRR	ProShares Equities for Rising Rates ETF	60.07
DIVZ	TrueShares Low Volatility Equity Income ETF	59.93
RWJ	Invesco S&P SmallCap 600 Revenue ETF	59.76
CSML	IQ Chaikin U.S. Small Cap ETF	59.31
DWAS	Invesco DWA SmallCap Momentum ETF	59.24

Size & Style 1-Day Performance Laggards

Ticker	Fund	Performance
IWC	iShares Micro-Cap ETF	-0.17%
HDV	iShares Core High Dividend ETF	-0.15%
VSMV	VictoryShares US Multi-Factor Minimum Volatility ETF	-0.15%
CSF	VictoryShares US Discovery Enhanced Volatility Wtd ETF	-0.14%
DVOL	First Trust Dorsey Wright Momentum & Low Volatility E..	-0.14%
DURA	VanEck Morningstar Durable Dividend ETF	-0.11%
OUSA	OShares U.S. Quality Dividend ETF	-0.10%
QDEF	FlexShares Quality Dividend Defensive Index Fund	-0.09%
TMFS	Motley Fool Small-Cap Growth ETF	-0.07%
ABEQ	Absolute Core Strategy ETF	-0.07%

Size & Style Most Oversold

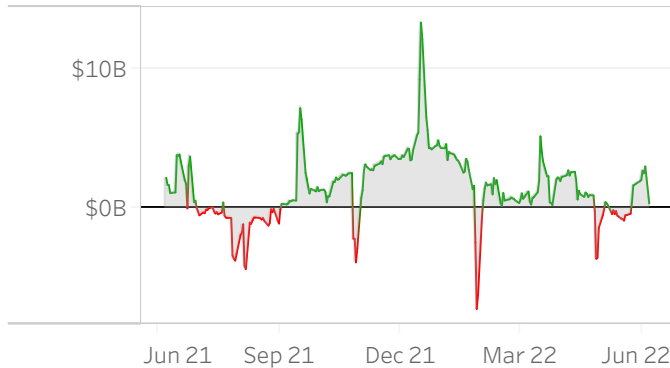
Ticker	Fund	Price
PTLC	Pacer Trendpilot US Large Cap ETF	43.76
JEPQ	J.P. Morgan Nasdaq Equity Premium Income ETF	45.03
SPLV	Invesco S&P 500 Low Volatility ETF	45.62
ALTL	Pacer Lunt Large Cap Alternator ETF	45.80
QQH	HCM Defender 100 Index ETF	46.01
TMFS	Motley Fool Small-Cap Growth ETF	46.17
DVOL	First Trust Dorsey Wright Momentum & Low Volatili..	46.35
LGH	HCM Defender 500 Index ETF	46.59
BUZZ	VanEck Social Sentiment ETF	47.68
XRLV	Invesco S&P 500 ex-Rate Sensitive Low Volatility ETF	47.75

*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	\$1,245B	(\$1.73B)	\$4.45B	\$30.72B	\$129.69B
Large Cap, Beta Growth, Beta: Growth	10	\$228B	\$0.21B	\$7.29B	\$7.72B	\$18.84B
Large Cap, Beta Growth, Beta: Value	11	\$226B	(\$0.06B)	\$4.51B	\$17.97B	\$25.88B
Mid Cap, Beta, Beta	10	\$182B	\$0.68B	\$3.58B	\$6.80B	\$11.91B
Mid Cap, Beta, Beta: Growth	6	\$33B	\$0.11B	\$0.34B	(\$0.55B)	\$0.58B
Mid Cap, Beta, Beta: Value	6	\$42B	\$0.10B	(\$0.50B)	\$0.44B	\$0.09B
Small Cap, Beta, Beta	13	\$196B	\$0.20B	(\$4.24B)	(\$2.58B)	\$8.51B
Small Cap, Beta, Beta: Growth	7	\$32B	\$0.04B	\$0.52B	\$1.16B	\$1.74B
Small Cap, Beta, Beta: Value	7	\$53B	\$0.14B	(\$2.75B)	(\$1.66B)	(\$2.10B)

U.S. Size & Style Flow Leaders

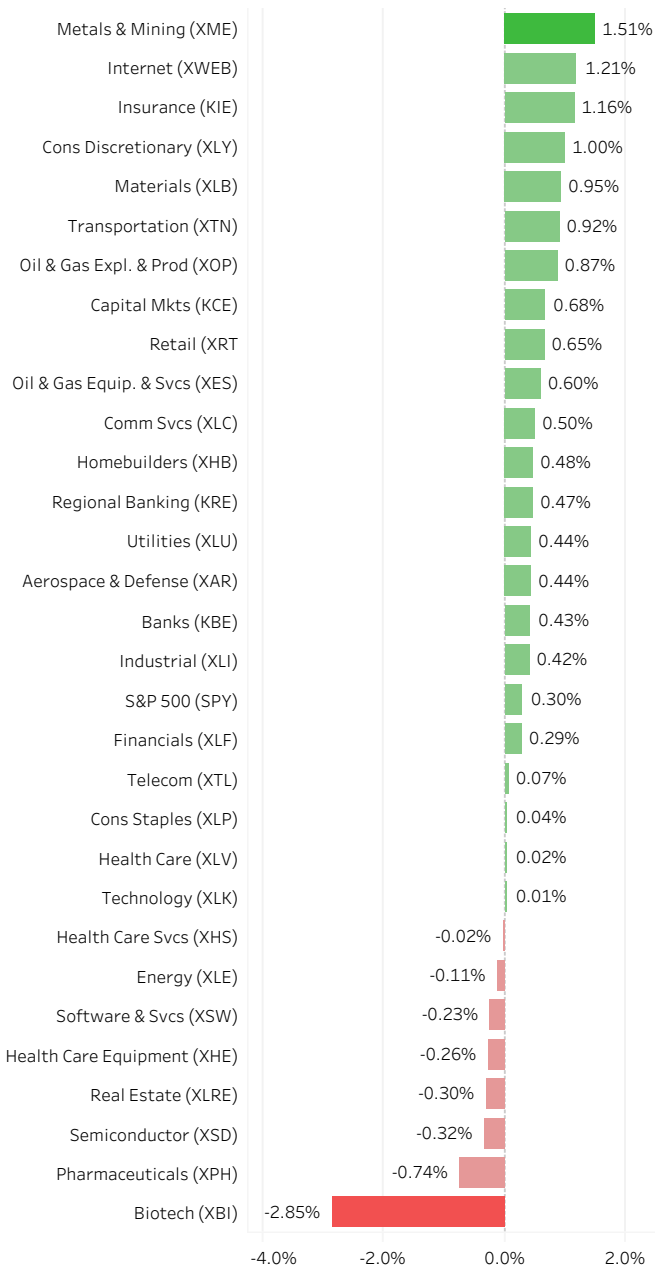
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IVV	iShares Core S&P 500 ETF	\$1.74B	\$1.75B	\$12.00B	\$28.98B	\$306.10B
VOO	Vanguard S&P 500 ETF	\$1.10B	(\$1.37B)	\$13.40B	\$42.16B	\$264.60B
VTI	Vanguard Total Stock Market ETF	\$0.68B	\$5.03B	\$14.75B	\$38.17B	\$269.65B
MTUM	iShares MSCI USA Momentum Factor ETF	\$0.58B	\$0.10B	(\$1.96B)	(\$1.88B)	\$10.94B
VO	Vanguard Mid-Cap ETF	\$0.52B	\$1.70B	\$2.71B	\$6.80B	\$52.40B
VTV	Vanguard Value ETF	\$0.34B	\$3.32B	\$12.99B	\$17.64B	\$102.59B
SPLG	SPDR Portfolio S&P 500 ETF	\$0.33B	\$0.95B	\$1.85B	\$4.09B	\$14.11B
COWZ	Pacer US Cash Cows 100 ETF	\$0.26B	\$3.53B	\$5.10B	\$5.56B	\$6.48B
SCHD	Schwab US Dividend Equity ETF	\$0.23B	\$1.90B	\$5.89B	\$10.78B	\$36.95B
VYM	Vanguard High Dividend Yield Index ETF	\$0.18B	\$2.66B	\$4.97B	\$6.87B	\$46.59B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
QQQ	Invesco QQQ Trust	(\$0.92B)	\$2.77B	\$2.79B	\$21.84B	\$168.73B
VONV	Vanguard Russell 1000 Value ETF	(\$0.56B)	(\$0.52B)	(\$0.28B)	\$0.87B	\$6.66B
USMV	iShares MSCI USA Min Vol Factor ETF	(\$0.37B)	\$0.22B	(\$0.60B)	(\$1.08B)	\$27.02B
LRGF	iShares U.S. Equity Factor ETF	(\$0.22B)	(\$0.02B)	(\$0.03B)	\$0.12B	\$1.14B
NULV	Nuveen ESG Large-Cap Value ETF	(\$0.18B)	\$0.13B	\$0.36B	\$0.53B	\$1.46B
PWV	Invesco Dynamic Large Cap Value ETF	(\$0.17B)	(\$0.04B)	\$0.03B	\$0.02B	\$0.81B
IVW	iShares S&P 500 Growth ETF	(\$0.13B)	(\$0.05B)	(\$1.09B)	(\$0.13B)	\$31.21B
QDF	FlexShares Quality Dividend Index Fund	(\$0.11B)	\$0.06B	\$0.08B	\$0.10B	\$1.65B
PWB	Invesco Dynamic Large Cap Growth ETF	(\$0.10B)	(\$0.03B)	(\$0.05B)	(\$0.07B)	\$0.62B
VTWO	Vanguard Russell 2000 ETF	(\$0.08B)	(\$0.51B)	(\$0.12B)	\$1.75B	\$5.80B

* 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	-0.11%	95.26%	11.14%	36.67%	67.37
XLU	Utilities Select Sector SPDR Fund	-2.96%	18.11%	1.13%	7.42%	58.13
XLB	Materials Select Sector SPDR Fund	-3.44%	10.59%	1.54%	2.27%	57.41
XLP	Consumer Staples Select Sector SPDR Fund	-8.34%	7.34%	-3.43%	-0.53%	44.97
XLV	Health Care Select Sector SPDR Fund	-9.09%	4.93%	-2.77%	-2.23%	45.51
XLI	Industrial Select Sector SPDR Fund	-10.43%	6.92%	-0.89%	-5.11%	54.55
SPY	SPDR S&P 500 ETF Trust	-13.80%	5.73%	-2.42%	-7.22%	51.03
XLF	Financial Select Sector SPDR Fund	-15.57%	6.23%	-2.12%	-8.42%	50.71
XLRE	Real Estate Select Sector SPDR Fund	-15.63%	4.74%	-5.45%	-7.22%	45.51
XLK	Technology Select Sector SPDR Fund	-20.75%	7.06%	-2.75%	-10.38%	50.70
XLY	Consumer Discretionary Select Sector SPDR Fund	-26.91%	12.12%	-6.31%	-16.00%	49.81
XLC	Communication Services Select Sector SPDR Fund	-30.37%	5.49%	-4.08%	-17.70%	49.36

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
PSCE	Invesco S&P SmallCap Energy ETF	2.29%
AIRR	First Trust RBA American Industrial Renaissance E..	2.14%
XME	SPDR S&P Metals & Mining ETF	1.51%
PXE	Invesco Dynamic Energy Exploration & Production ..	1.31%
PSCI	Invesco S&P SmallCap Industrials ETF	1.29%
KBWP	Invesco KBW Property & Casualty Insurance ETF	1.20%
IAK	iShares U.S. Insurance ETF	1.17%
KIE	SPDR S&P Insurance ETF	1.16%
PYZ	Invesco DWA Basic Materials Momentum ETF	1.09%
FXR	First Trust Industrials/Producer Durables AlphaDE..	1.05%

Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	72.49
PSCE	Invesco S&P SmallCap Energy ETF	71.68
PXE	Invesco Dynamic Energy Exploration & Production ETF	71.63
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	71.56
FCG	First Trust Natural Gas ETF	70.42
FXN	First Trust Energy AlphaDEX Fund	70.04
PXI	Invesco DWA Energy Momentum ETF	69.48
RYE	Invesco S&P 500 Equal Weight Energy ETF	68.49
IYE	iShares U.S. Energy ETF	68.35
FENY	Fidelity MSCI Energy Index ETF	68.26

Sector & Industry 1 Day Performance Laggards

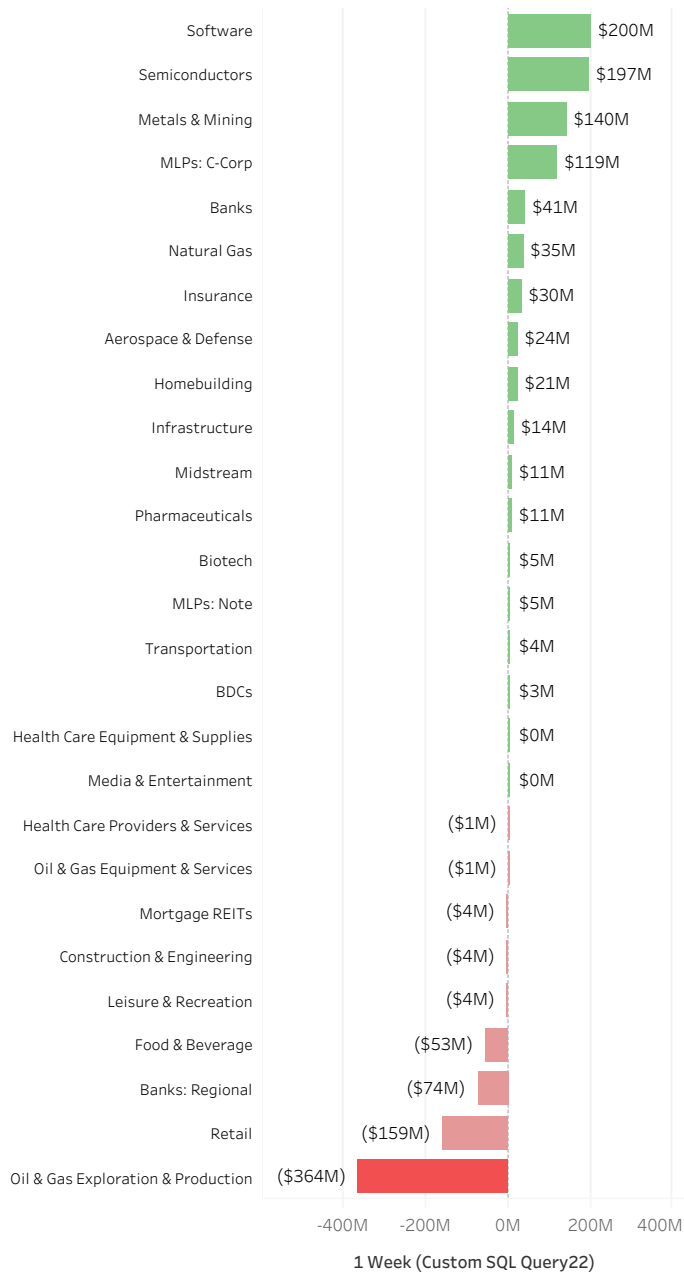
Ticker	Fund	1 Day Performance
XBI	SPDR S&P BIOTECH ETF	-2.85%
PBE	Invesco Dynamic Biotechnology & Genome ETF	-2.05%
REZ	iShares Residential and Multisector Real Estate ETF	-1.91%
FBT	First Trust NYSE Arca Biotechnology Index Fund	-1.44%
PJP	Invesco Dynamic Pharmaceuticals ETF	-1.43%
NURE	Nuveen Short-Term REIT ETF	-1.32%
IBB	iShares Biotechnology ETF	-1.08%
PSCH	Invesco S&P SmallCap Health Care ETF	-0.90%
RWR	SPDR Dow Jones REIT ETF	-0.89%
PTH	Invesco DWA Healthcare Momentum ETF	-0.76%

Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
REZ	iShares Residential and Multisector Real Estate ETF	37.66
RWR	SPDR Dow Jones REIT ETF	40.90
PPTY	US Diversified Real Estate ETF	42.14
USRT	iShares Core U.S. REIT ETF	42.62
EWRE	Invesco S&P 500 Equal Weight Real Estate ETF	42.68
FRI	First Trust S&P REIT Index Fund	42.79
BBRE	JPMorgan BetaBuilders MSCI U.S. REIT ETF	42.90
NURE	Nuveen Short-Term REIT ETF	43.08
FTXG	First Trust Nasdaq Food & Beverage ETF	43.15
PJP	Invesco Dynamic Pharmaceuticals ETF	43.80

* 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	\$15B	(\$11M)	(\$248M)	(\$925M)	\$216M
Consumer Discretionary	13	\$25B	(\$141M)	(\$2,253M)	(\$4,753M)	(\$4,260M)
Consumer Staples	12	\$27B	(\$447M)	\$1,686M	\$5,752M	\$6,569M
Energy	34	\$88B	\$429M	(\$1,074M)	\$5,160M	\$4,058M
Financials	28	\$65B	(\$144M)	(\$12,048M)	(\$7,415M)	(\$10,576M)
Health Care	26	\$89B	\$292M	\$5,739M	\$9,410M	\$14,634M
Industrial	14	\$30B	\$162M	(\$1,591M)	(\$1,551M)	(\$6,550M)
Materials	10	\$19B	\$322M	\$1,591M	\$2,311M	(\$617M)
Multi-Sector	19	\$17B	(\$9M)	(\$2,067M)	(\$3,868M)	(\$2,525M)
Real Estate	24	\$73B	(\$81M)	(\$2,140M)	(\$531M)	\$4,952M
Technology	24	\$128B	\$495M	\$1,170M	(\$1,238M)	\$7,217M
Utilities	10	\$27B	\$26M	\$3,284M	\$3,593M	\$5,358M

U.S. Sector & Industry Flow Leaders

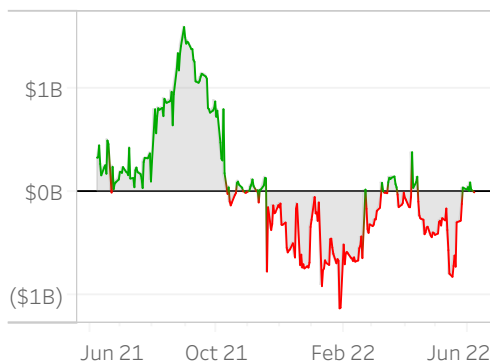
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLE	Energy Select Sector SPDR Fund	\$558M	(\$1,083M)	\$1,471M	\$1,008M	\$43,407M
IGV	iShares Expanded Tech-Software Sector ETF	\$221M	\$213M	\$421M	\$1,272M	\$4,840M
SOXX	iShares Semiconductor ETF	\$193M	(\$213M)	\$451M	\$1,603M	\$7,950M
XLV	Health Care Select Sector SPDR Fund	\$185M	\$5,217M	\$7,320M	\$10,374M	\$39,403M
XLB	Materials Select Sector SPDR Fund	\$150M	\$311M	(\$4M)	(\$1,937M)	\$7,824M
XME	SPDR S&P Metals & Mining ETF	\$140M	(\$91M)	\$798M	\$206M	\$3,032M
XLI	Industrial Select Sector SPDR Fund	\$134M	(\$1,569M)	(\$1,833M)	(\$5,469M)	\$14,055M
VGT	Vanguard Information Technology ETF	\$125M	\$1,061M	\$209M	\$2,422M	\$45,440M
IYR	iShares U.S. Real Estate ETF	\$115M	(\$753M)	(\$729M)	(\$1,091M)	\$4,730M
AML	Alerian MLP ETF	\$105M	\$207M	\$649M	\$597M	\$7,142M

U.S. Sector & Industry Flow Laggards

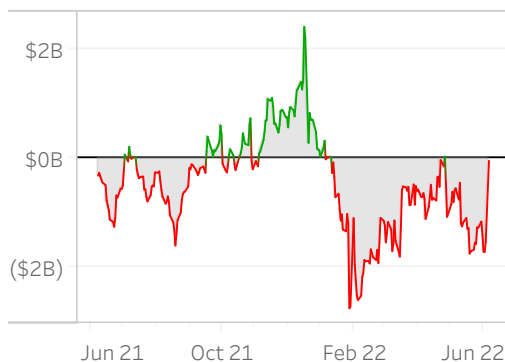
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLP	Consumer Staples Select Sector SPDR Fund	(\$461M)	(\$153M)	\$3,042M	\$3,534M	\$15,674M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	(\$318M)	(\$966M)	(\$163M)	(\$1,164M)	\$5,661M
XRT	SPDR S&P Retail ETF	(\$159M)	\$137M	(\$177M)	(\$133M)	\$432M
XLRE	Real Estate Select Sector SPDR Fund	(\$151M)	\$408M	\$765M	\$2,575M	\$5,531M
VNQ	Vanguard Real Estate ETF	(\$128M)	(\$577M)	\$488M	\$2,904M	\$42,780M
XL	Financial Select Sector SPDR Fund	(\$119M)	(\$7,267M)	(\$3,567M)	(\$7,408M)	\$34,432M
PXE	Invesco Dynamic Energy Exploration & Producti..	(\$81M)	\$35M	\$86M	\$135M	\$345M
IBB	iShares Biotechnology ETF	(\$70M)	(\$103M)	(\$61M)	(\$392M)	\$7,371M
KRE	SPDR S&P Regional Banking ETF	(\$60M)	(\$1,020M)	(\$616M)	(\$1,232M)	\$3,801M
PBJ	Invesco Dynamic Food & Beverage ETF	(\$56M)	\$133M	\$200M	\$201M	\$299M

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

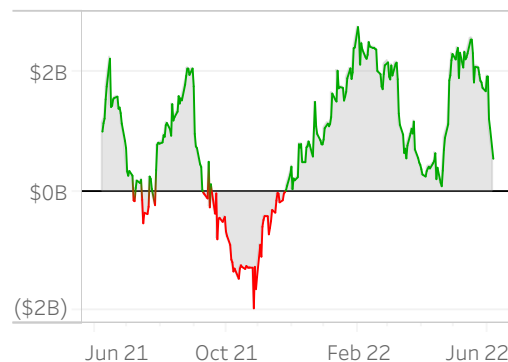
Communication Services



Consumer Discretionary



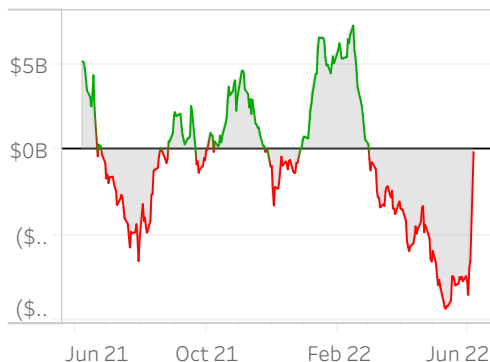
Consumer Staples



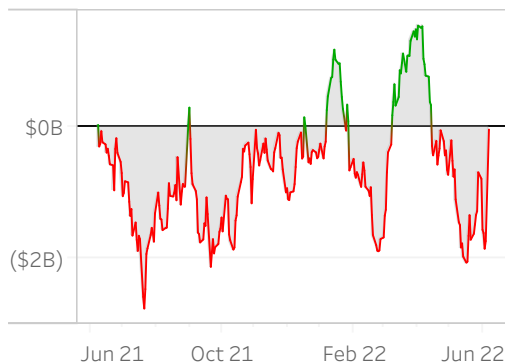
Energy



Financials



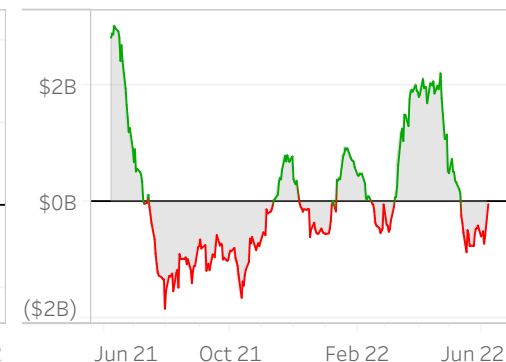
Industrial



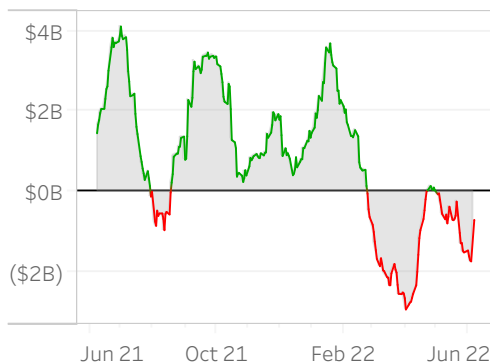
Health Care



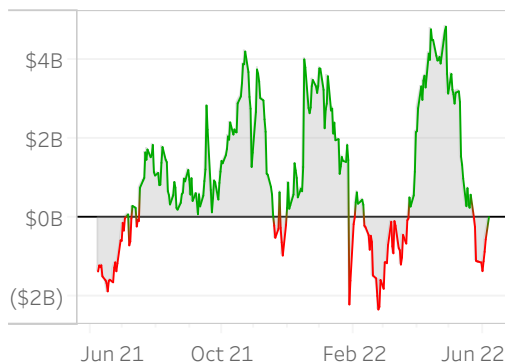
Materials



Real Estate



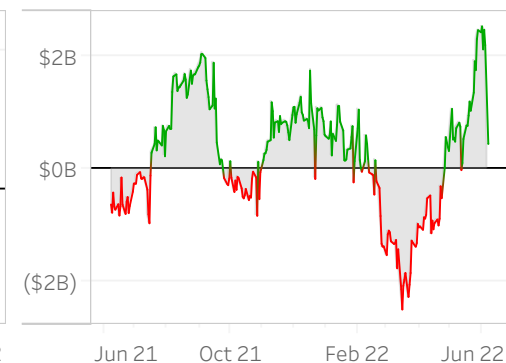
Technology



Utilities

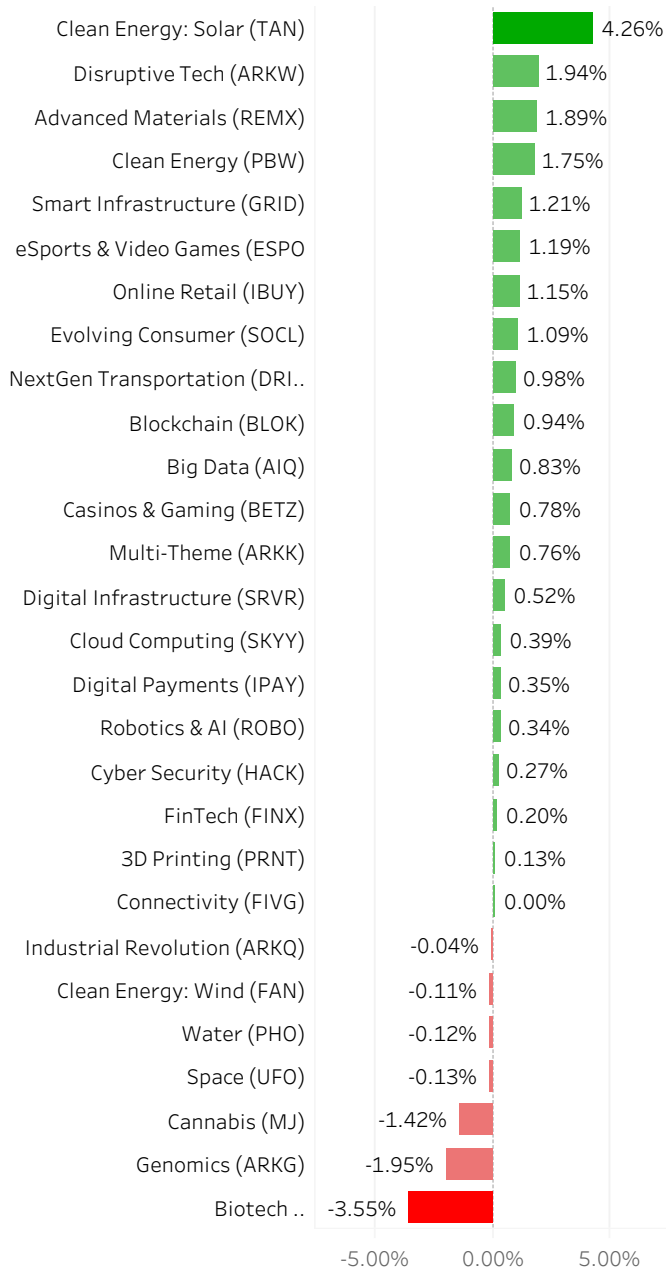


Multi-Sector

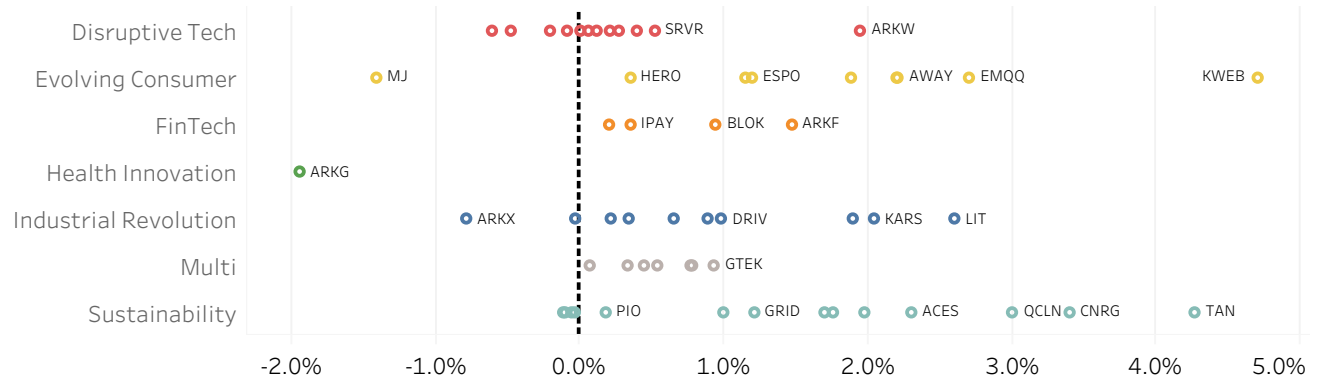


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
KWEB	KraneShares CSI China Internet ETF	4.70%
TAN	Invesco Solar ETF	4.26%
KGRN	KraneShares MSCI China Clean Technology Index ETF	3.70%
CNRG	SPDR S&P Kensho Clean Power ETF	3.40%
KSTR	KraneShares SSE STAR Market 50 Index ETF	3.26%
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	3.00%
CTEC	Global X CleanTech ETF	2.75%
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	2.70%
KEMQ	KraneShares Emerging Markets Consumer Technology In..	2.65%
LIT	Global X Lithium & Battery Tech ETF	2.60%

Thematic Most Overbought

Ticker	Fund	Price
TAN	Invesco Solar ETF	68.63
KSTR	KraneShares SSE STAR Market 50 Index ETF	67.67
KGRN	KraneShares MSCI China Clean Technology Index ETF	65.28
CNRG	SPDR S&P Kensho Clean Power ETF	64.78
ICLN	iShares Global Clean Energy ETF	63.11
LIT	Global X Lithium & Battery Tech ETF	62.67
KWEB	KraneShares CSI China Internet ETF	62.16
CTEC	Global X CleanTech ETF	61.71
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	59.91
ERTH	Invesco MSCI Sustainable Future ETF	59.69

Global Thematic 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
SBIO	ALPS Medical Breakthroughs ETF	-3.55%
ARKG	ARK Genomic Revolution ETF	-1.95%
POTX	Global X Cannabis ETF	-1.83%
BTEC	Principal Healthcare Innovators ETF	-1.62%
MJ	ETFMG Alternative Harvest ETF	-1.42%
IDNA	iShares Genomics Immunology and Healthcare ETF Ge..	-1.38%
GNOM	Global X Genomics & Biotechnology ETF	-1.25%
CNBS	Amplify Seymour Cannabis ETF	-0.84%
ARKX	ARK Space Exploration & Innovation ETF	-0.79%
WCLD	WisdomTree Cloud Computing Fund	-0.61%

Thematic Most Oversold

Ticker	Fund	Price
POTX	Global X Cannabis ETF	31.47
YOLO	AdvisorShares Pure Cannabis ETF	35.88
CNBS	Amplify Seymour Cannabis ETF	35.97
MJ	ETFMG Alternative Harvest ETF	36.60
BKCH	Global X Blockchain ETF	39.15
BITQ	Bitwise Crypto Industry Innovators ETF	39.73
IDNA	iShares Genomics Immunology and Healthcare ETF Geno..	40.10
SBIO	ALPS Medical Breakthroughs ETF	43.01
BLOK	Amplify Transformational Data Sharing ETF	43.10
AGNG	Global X Aging Population ETF	43.66

* 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
KWEB	KraneShares CSI China Internet ETF	\$53M
ARKF	ARK Fintech Innovation ETF	\$20M
LIT	Global X Lithium & Battery Tech ETF	\$19M
SAMT	Strategas Macro Thematic Opportunities ETF	\$16M
CNRG	SPDR S&P Kensho Clean Power ETF	\$16M
WCLD	WisdomTree Cloud Computing Fund	\$13M
XITK	SPDR FactSet Innovative Technology ETF	\$10M
TARK	AXS 2X Innovation ETF	\$6M
TAN	Invesco Solar ETF	\$6M
KOMP	SPDR S&P Kensho New Economies Composite ETF	\$5M

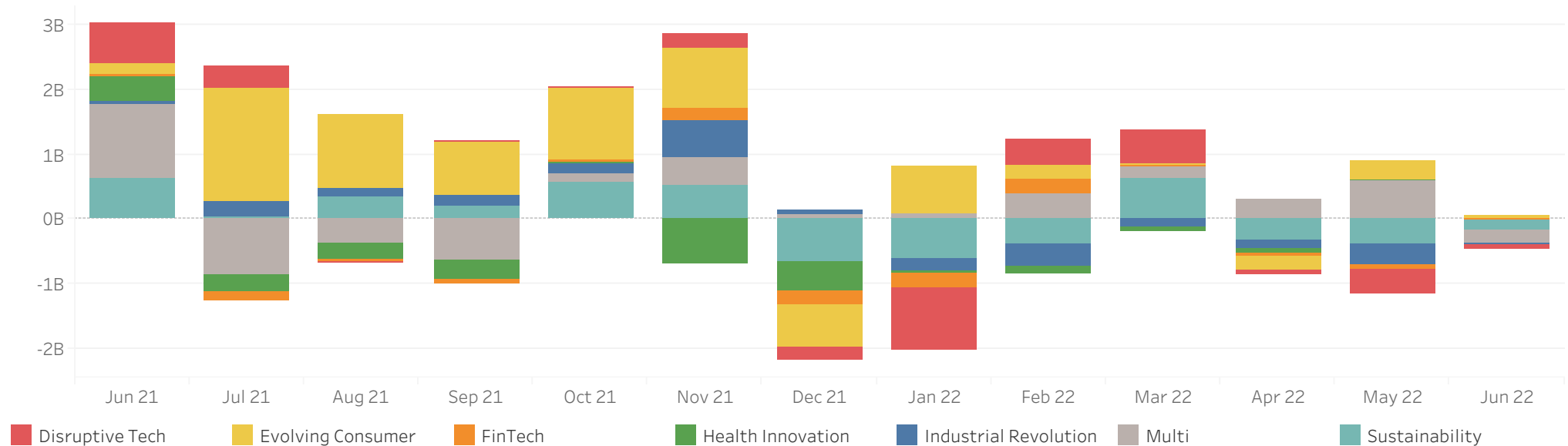
Thematic 1 Week Flow Laggards

Ticker	Fund	Flow
PBW	Invesco WilderHill Clean Energy ETF	(\$104M)
ARKK	ARK Innovation ETF	(\$98M)
ARKG	ARK Genomic Revolution ETF	(\$49M)
ICLN	iShares Global Clean Energy ETF	(\$32M)
SKYY	First Trust Cloud Computing ETF	(\$28M)
NXTG	First Trust Indxx NextG ETF	(\$25M)
ACES	ALPS Clean Energy ETF	(\$24M)
CIBR	First Trust NASDAQ Cybersecurity ETF	(\$17M)
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure Index	(\$13M)
FIVG	Defiance Next Gen Connectivity ETF	(\$9M)

Thematic Landscape Assets & Flows

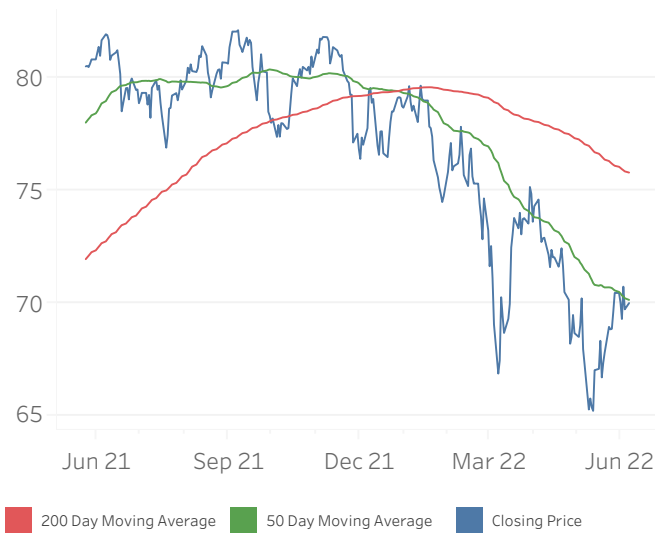
Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	35	\$20B	(\$75M)	(\$367M)	(\$744M)	\$417M
Evolving Consumer	48	\$11B	\$36M	\$384M	\$462M	\$6,310M
FinTech	24	\$4B	\$11M	(\$53M)	(\$235M)	(\$280M)
Health Innovation	19	\$4B	(\$6M)	(\$12M)	(\$507M)	(\$1,796M)
Industrial Revolution	32	\$13B	(\$8M)	(\$619M)	(\$1,039M)	\$352M
Multi	42	\$16B	(\$202M)	\$849M	\$1,434M	\$1,239M
Sustainability	41	\$18B	(\$172M)	(\$301M)	(\$1,669M)	\$354M
Grand Total	241	\$86B	(\$416M)	(\$120M)	(\$2,298M)	\$6,596M

Thematic Monthly Flows

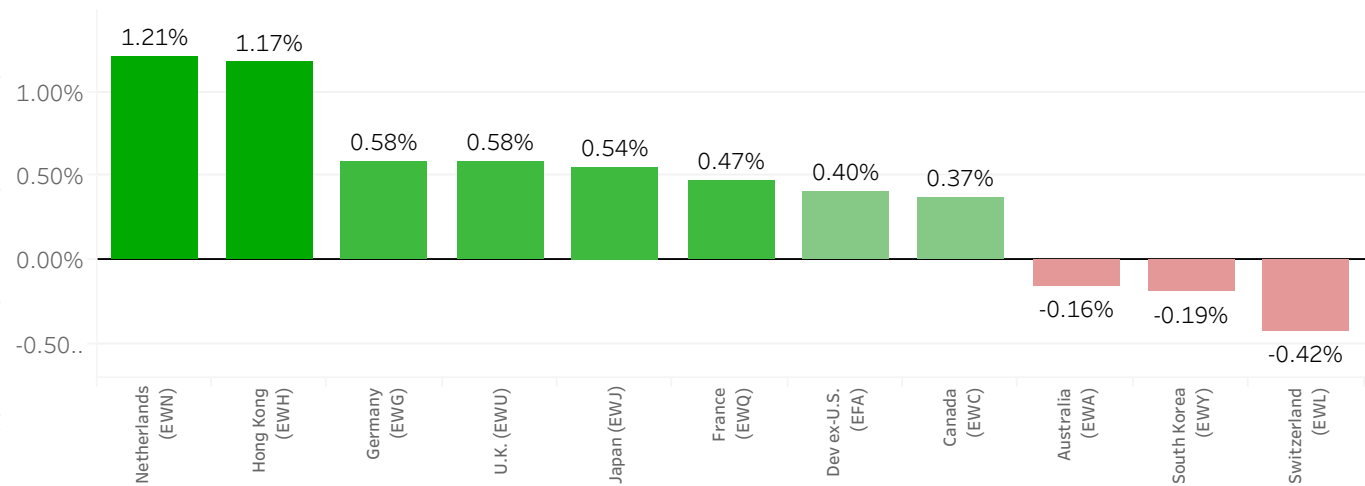


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

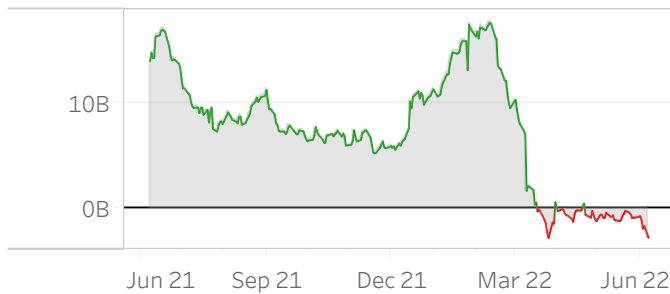
Developed ex-U.S. (EFA)



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



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



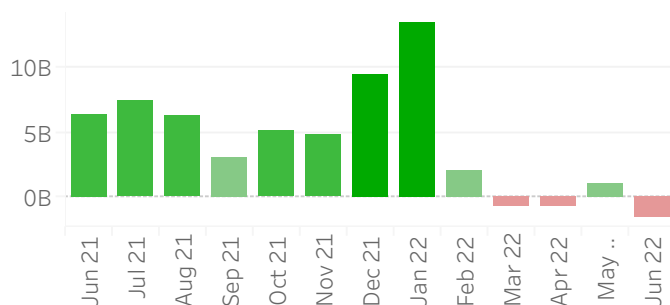
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
AIA	iShares Asia 50 ETF	1.40%
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	1.34%
CIL	VictoryShares International Volatility Wtd ETF	1.27%
DXJ	WisdomTree Japan Hedged Equity Fund	1.24%
EWI	iShares MSCI Italy ETF	1.23%
HEWJ	iShares Currency Hedged MSCI Japan ETF	1.22%
EWN	iShares MSCI Netherlands ETF	1.21%
EWH	iShares MSCI Hong Kong ETF	1.17%
AAXJ	iShares MSCI All Country Asia ex Japan ETF	1.01%
IVAL	Alpha Architect International Quantitative Value ETF	0.97%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
IVAL	Alpha Architect International Quantitative Value ETF	63.60
EWO	iShares MSCI Austria ETF	63.51
EWH	iShares MSCI Hong Kong ETF	62.27
DXJ	WisdomTree Japan Hedged Equity Fund	62.03
FYLD	Cambria Foreign Shareholder Yield ETF	60.31
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	60.27
HEWJ	iShares Currency Hedged MSCI Japan ETF	59.62
ICOW	Pacer Developed Markets International Cash Cows 100 ETF	59.59
DFIV	Dimensional International Value ETF	59.52
EUSC	WisdomTree Europe Hedged SmallCap Equity Fund	58.99

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
FLSW	Franklin FTSE Switzerland ETF	-0.77%
FSZ	First Trust Switzerland AlphaDEX Fund	-0.71%
ENZL	iShares MSCI New Zealand ETF	-0.61%
EWL	iShares MSCI Switzerland ETF	-0.42%
GREK	Global X MSCI Greece ETF	-0.22%
EWY	iShares MSCI South Korea ETF	-0.19%
PTIN	Pacer Trendpilot International ETF	-0.16%
EWA	iShares MSCI Australia ETF	-0.16%
TTAI	FCF International Quality ETF	-0.16%
FLKR	Franklin FTSE South Korea ETF	-0.11%

Developed ex-U.S. Most Oversold

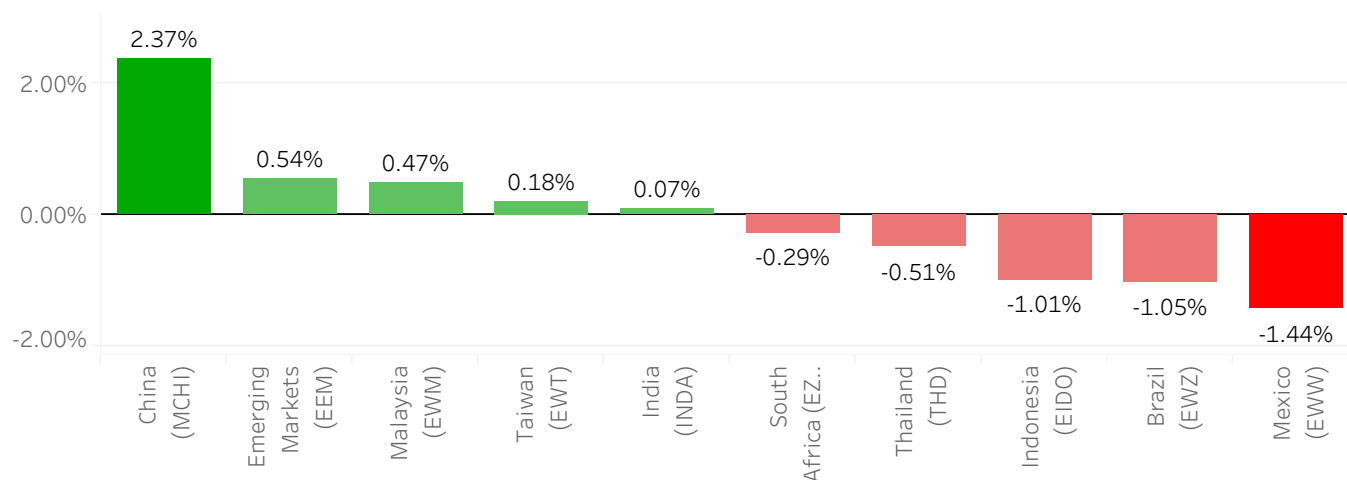
Ticker	Fund	Value
PTIN	Pacer Trendpilot International ETF	38.83
FLSW	Franklin FTSE Switzerland ETF	45.17
LVHI	Legg Mason International Low Volatility High Divide..	46.16
EWL	iShares MSCI Switzerland ETF	46.19
EFAD	ProShares MSCI EAFE Dividend Growers ETF	46.54
WPS	iShares International Developed Property ETF	46.58
QEFA	SPDR MSCI EAFE StrategicFactors ETF	47.43
EWS	iShares MSCI Singapore ETF	47.85
QLVD	FlexShares Developed Markets ex-US Quality Low V..	48.03

*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)



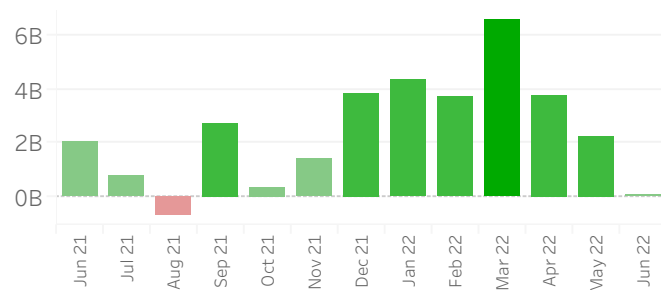
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
PGJ	Invesco Golden Dragon China ETF	5.43%
FNI	First Trust Chindia ETF	3.12%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	3.08%
FXI	iShares China Large-Cap ETF	2.76%
FLCH	Franklin FTSE China ETF	2.48%
MCHI	iShares MSCI China ETF	2.37%
GXC	SPDR S&P China ETF	2.05%
RAYC	Rayliant Quantamental China Equity ETF	2.01%
KBA	KraneShares Boser MSCI China A 50 Connect Index ETF	1.87%
BKF	iShares MSCI BIC ETF	1.65%

Emerging Most Overbought

Ticker	Fund	Value
ECH	iShares MSCI Chile ETF	64.37
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	62.70
PGJ	Invesco Golden Dragon China ETF	62.53
FXI	iShares China Large-Cap ETF	62.23
FNI	First Trust Chindia ETF	61.79
FLCH	Franklin FTSE China ETF	61.56
MCHI	iShares MSCI China ETF	61.53
GXC	SPDR S&P China ETF	61.35
CNYA	iShares MSCI China A ETF	60.50
KBA	KraneShares Boser MSCI China A 50 Connect Index E..	60.22

Emerging 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
EWZS	iShares MSCI Brazil Small-Cap ETF	-2.36%
EWZ	iShares MSCI Brazil ETF	-1.44%
QAT	iShares MSCI Qatar ETF	-1.32%
ECH	iShares MSCI Chile ETF	-1.30%
EPU	iShares MSCI Peru ETF	-1.24%
DVYE	iShares Emerging Markets Dividend ETF	-1.21%
ILF	iShares Latin America 40 ETF	-1.13%
EWZ	iShares MSCI Brazil ETF	-1.05%
EIDO	iShares MSCI Indonesia ETF	-1.01%
FLBR	Franklin FTSE Brazil ETF	-1.01%

Emerging Most Oversold

Ticker	Fund	Value
QAT	iShares MSCI Qatar ETF	35.60
EWZ	iShares MSCI Brazil ETF	39.11
EPHE	iShares MSCI Philippines ETF	40.54
GLIN	VanEck India Growth Leaders ETF	41.21
FM	iShares MSCI Frontier and Select EM ETF	41.55
VNM	VanEck Vietnam ETF	42.30
EDIV	SPDR S&P Emerging Markets Dividend ETF	42.98
SMIN	iShares MSCI India Small Cap ETF	43.02
KSA	iShares MSCI Saudi Arabia ETF	44.36
EPI	WisdomTree India Earnings Fund	44.52

*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	-0.61%	0.79%	-9.71%
SHY	1-3 Year Treasury Bonds	-0.13%	0.23%	-2.73%
IEF	7-10 Year Treasury Bonds	-0.75%	0.82%	-11.00%
TLT	20+ Year Treasury Bonds	-1.84%	0.37%	-22.55%
TIP	TIPS Bonds	-0.65%	0.62%	-6.14%
FLOT	Floating Rate Bonds	-0.04%	-0.45%	-0.62%
LQD	Investment Grade Corporate	-0.71%	1.67%	-14.28%
HYG	High Yield Corporate	-0.75%	0.98%	-8.57%
BKLN	Senior Loan	0.09%	-0.22%	-2.58%
PFF	Preferred & Income Securities	-0.23%	4.36%	-11.07%
MUB	Municipal Bonds	-0.25%	1.97%	-6.66%
MBB	MBS	-0.69%	0.97%	-8.28%
EMB	Dollar Denominated EM Bonds	-1.32%	0.89%	-16.09%
LEMB	Local Currency EM Bond	-0.47%	1.69%	-10.26%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	1.11%	4.78%	42.82%
DBE	Energy	0.31%	9.66%	72.78%
USO	WTI Crude Oil	-1.21%	7.62%	62.60%
BNO	Brent Crude Oil	-1.55%	7.62%	66.81%
UNG	Natural Gas	9.56%	14.63%	154.04%
UGA	Gasoline	-2.19%	15.59%	91.19%
DBP	Precious Metals	-0.25%	-2.01%	-1.31%
GLD	Gold	-0.44%	-2.05%	0.50%
SLV	Silver	0.69%	-1.40%	-5.30%
PPLT	abrdn Physical Platin..	1.12%	6.77%	6.13%
PALL	abrdn Physical Palla..	1.93%	-1.48%	5.58%
DBB	Base Metals	-0.35%	1.95%	3.59%
CPER	Copper	-0.67%	4.39%	-1.21%
LD	Lead	8.49%	0.19%	-1.34%
JJN	Nickel	3.76%	-0.93%	43.59%
JJU	Aluminum	-1.67%	-2.67%	-1.96%
JJT	Tin	-0.23%	-11.78%	-8.43%
DBA	Agriculture	1.33%	1.47%	12.20%
CORN	Corn	1.45%	-3.35%	29.81%
SOYB	Soybeans	0.49%	2.66%	25.36%
WEAT	Wheat	4.96%	1.91%	51.69%
CANE	Sugar	1.12%	3.87%	7.93%
BAL	Cotton	2.84%	-1.07%	32.82%
NIB	Cocoa	0.49%	1.77%	-4.77%
JO	Coffee	1.08%	12.05%	4.54%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.22%	-1.26%	6.75%
UDN	Short Dollar	-0.19%	1.37%	-6.84%
FXE	Euro	-0.23%	1.34%	-6.39%
FXB	British Pound Sterling	0.31%	1.55%	-7.40%
FXF	Swiss Franc	-0.86%	1.70%	-6.55%
FXJ	Japanese Yen	-0.76%	-1.07%	-12.90%
FXC	Canadian Dollar	0.09%	2.36%	0.30%
FXA	Australian Dollar	-0.17%	1.54%	-1.12%

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