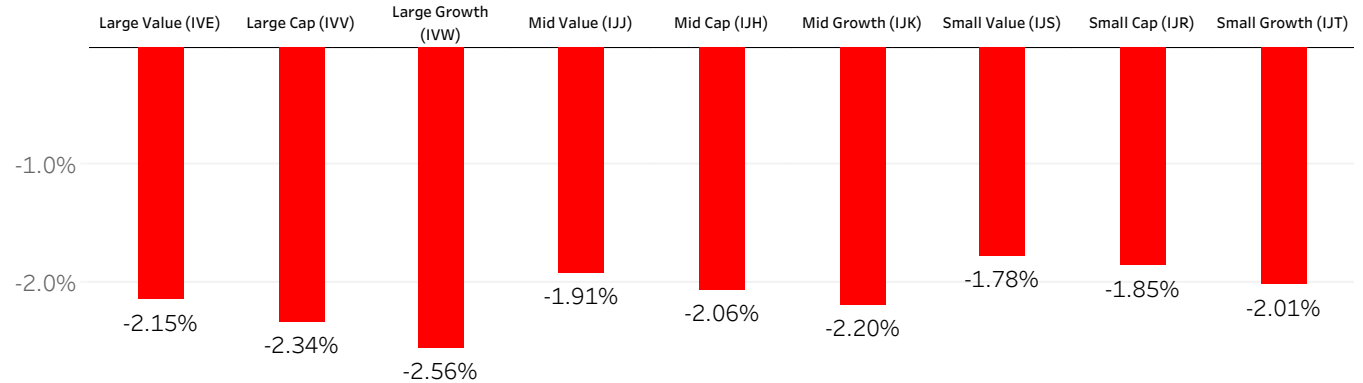


Large Cap Blend (S&P 500) IVV



U.S. Size & Style 1-Day Performance



Mid Cap Blend (S&P 400) IJH



Size & Style 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
PTMC	Pacer Trendpilot US Mid Cap ETF	0.12%
PTLC	Pacer Trendpilot US Large Cap ETF	0.03%
SPC	CrossingBridge Pre-Merger SPAC ETF	0.00%
CSF	VictoryShares US Discovery Enhanced Volatility Wtd ETF	-0.24%
TPLE	Timothy Plan US Large/Mid Cap Core Enhanced ETF	-0.42%
PTNQ	Pacer Trendpilot 100 ETF	-1.07%
CSB	VictoryShares US Small Cap High Dividend Volatility Wtd.	-1.14%
DGRS	WisdomTree US Smallcap Quality Dividend Growth Fund	-1.16%
CALF	Pacer US Small Cap Cash Cows 100 ETF	-1.21%
XSLV	Invesco S&P SmallCap Low Volatility ETF	-1.23%

Size & Style Most Overbought

Ticker	Fund	Value
AVUV	Avantis U.S. Small Cap Value ETF	52.17
JMEE	JPMorgan Market Expansion Enhanced Equity ETF	52.03
RWJ	Invesco S&P SmallCap 600 Revenue ETF	51.87
DWAS	Invesco DWA SmallCap Momentum ETF	51.83
QMOM	Alpha Architect U.S. Quantitative Momentum ETF	51.74
SPC	CrossingBridge Pre-Merger SPAC ETF	51.33
EQRR	ProShares Equities for Rising Rates ETF	51.31
XSMO	Invesco S&P SmallCap Momentum ETF	51.23
PDP	Invesco DWA Momentum ETF	51.01
PTMC	Pacer Trendpilot US Mid Cap ETF	50.84

Small Cap Blend (S&P 600) IJR



Size & Style 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
BUZZ	VanEck Social Sentiment ETF	-4.31%
IPO	Renaissance IPO ETF	-4.22%
FFTY	Innovator IBD 50 ETF	-3.63%
GURU	Global X Guru Index ETF	-3.32%
MMLG	First Trust Multi-Manager Large Growth ETF	-3.27%
QQXT	First Trust Nasdaq-100 Ex-Technology Sector Index Fund	-3.22%
DUSA	Davis Select U.S. Equity ETF	-3.21%
GVIP	Goldman Sachs Hedge Industry VIP ETF	-3.10%
RUFF	Alpha Dog ETF	-3.10%
FPX	First Trust US Equity Opportunities ETF	-3.08%

Size & Style Most Oversold

Ticker	Fund	Value
SPLV	Invesco S&P 500 Low Volatility ETF	36.74
ALTL	Pacer Lunt Large Cap Alternator ETF	36.92
DEIF	Sterling Capital Diverse Multi-Manager Active ETF	37.04
SPHD	Invesco S&P 500 High Dividend Low Volatility ETF	37.39
CFO	VictoryShares US 500 Enhanced Volatility Wtd ETF	38.84
XRLV	Invesco S&P 500 ex-Rate Sensitive Low Volatility ETF	39.26
HUSV	First Trust Horizon Managed Volatility Domestic ETF	39.55
RDIV	Invesco S&P Ultra Dividend Revenue ETF	39.59
DVOL	First Trust Dorsey Wright Momentum & Low Volatili..	39.80
FTCS	First Trust Capital Strength ETF	39.88

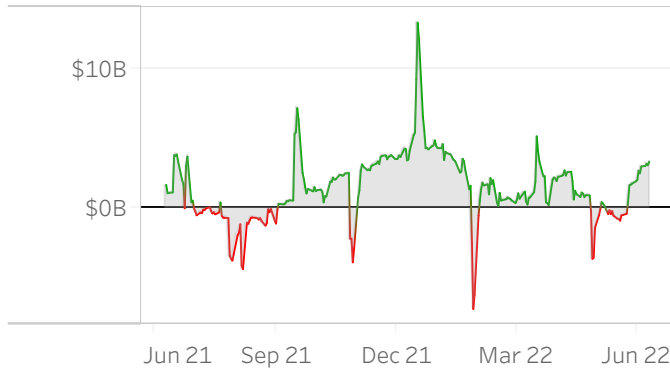
■ Closing Price
 ■ 50 Day Moving Average
 ■ 200 Day Moving Average

*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	\$1,245B	\$14.77B	\$18.47B	\$52.03B	\$143.44B
Large Cap, Beta Growth, Beta: Growth	10	\$224B	(\$0.14B)	\$6.76B	\$6.23B	\$18.55B
Large Cap, Beta Growth, Beta: Value	11	\$224B	\$0.14B	\$3.97B	\$17.30B	\$25.62B
Mid Cap, Beta, Beta	10	\$180B	(\$0.14B)	\$3.32B	\$6.60B	\$12.28B
Mid Cap, Beta, Beta: Growth	6	\$32B	(\$0.07B)	\$0.26B	(\$0.37B)	\$0.50B
Mid Cap, Beta, Beta: Value	6	\$41B	(\$0.21B)	(\$0.59B)	\$0.04B	(\$0.17B)
Small Cap, Beta, Beta	13	\$194B	(\$0.62B)	(\$7.60B)	(\$3.15B)	\$6.76B
Small Cap, Beta, Beta: Growth	7	\$31B	\$0.04B	\$0.45B	\$0.91B	\$1.79B
Small Cap, Beta, Beta: Value	7	\$53B	\$0.13B	(\$2.64B)	(\$1.60B)	(\$2.29B)

U.S. Size & Style Flow Leaders

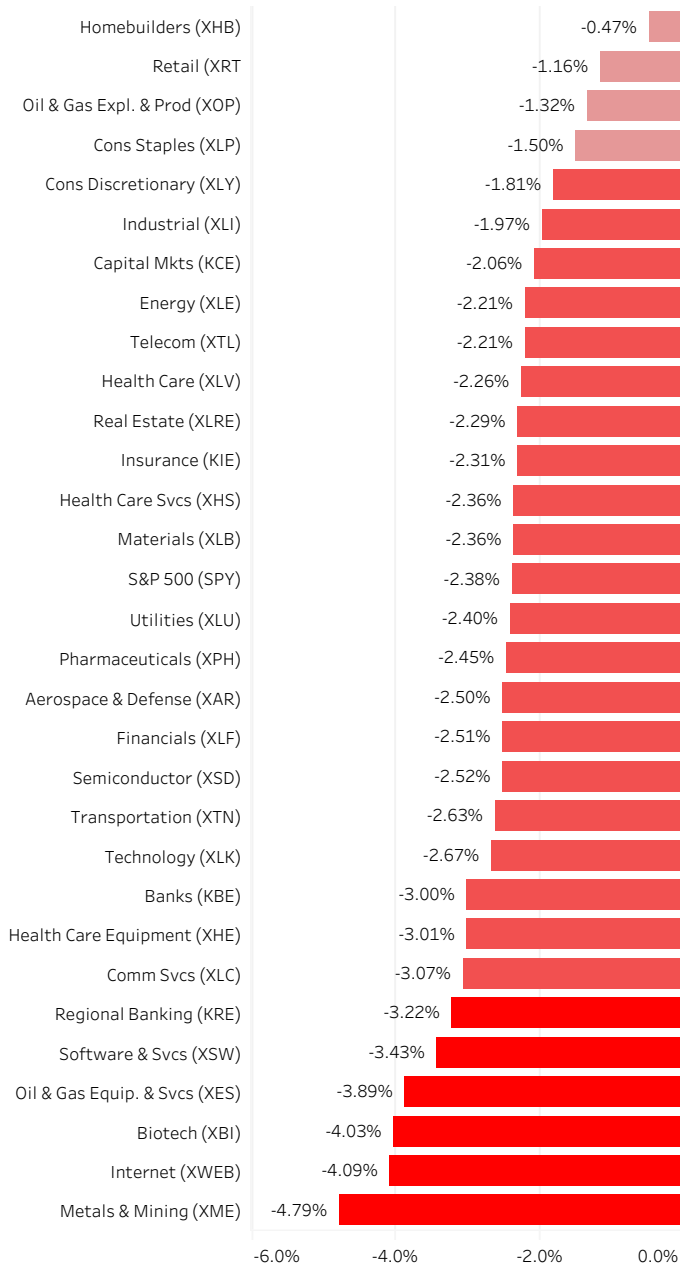
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IVV	iShares Core S&P 500 ETF	\$5.77B	\$8.01B	\$15.76B	\$36.89B	\$307.43B
VOO	Vanguard S&P 500 ETF	\$4.51B	\$2.39B	\$29.57B	\$45.52B	\$265.22B
QQQ	Invesco QQQ Trust	\$3.02B	\$4.10B	\$7.47B	\$24.20B	\$168.12B
SPY	SPDR S&P 500 ETF Trust	\$1.37B	\$1.64B	(\$6.69B)	\$22.11B	\$378.13B
VTV	Vanguard Value ETF	\$0.36B	\$3.64B	\$13.15B	\$17.89B	\$102.12B
HDV	iShares Core High Dividend ETF	\$0.28B	\$4.12B	\$5.06B	\$5.46B	\$13.50B
COWZ	Pacer US Cash Cows 100 ETF	\$0.25B	\$3.55B	\$5.25B	\$5.73B	\$6.68B
VUG	Vanguard Growth ETF	\$0.22B	\$3.49B	\$4.77B	\$7.00B	\$73.23B
IJH	iShares Core S&P Mid-Cap ETF	\$0.20B	\$0.66B	\$2.35B	\$3.62B	\$62.38B
VB	Vanguard Small-Cap ETF	\$0.18B	(\$0.72B)	\$0.24B	\$3.12B	\$43.44B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IWM	iShares Russell 2000 ETF	(\$0.64B)	(\$3.89B)	(\$4.43B)	(\$2.07B)	\$54.75B
IWF	iShares Russell 1000 Growth ETF	(\$0.38B)	\$0.88B	(\$0.17B)	\$1.54B	\$61.93B
VO	Vanguard Mid-Cap ETF	(\$0.34B)	\$1.36B	\$2.09B	\$6.41B	\$51.46B
DIA	SPDR Dow Jones Industrial Average ETF Trust	(\$0.31B)	\$0.47B	\$1.27B	(\$0.93B)	\$28.83B
VTI	Vanguard Total Stock Market ETF	(\$0.30B)	\$4.70B	\$11.32B	\$37.43B	\$265.78B
IJJ	iShares S&P Mid-Cap 400 Value ETF	(\$0.27B)	\$0.02B	(\$1.02B)	(\$1.14B)	\$7.56B
IVE	iShares S&P 500 Value ETF	(\$0.19B)	\$0.78B	\$2.47B	\$2.21B	\$25.22B
VIOO	Vanguard S&P Small-Cap 600 ETF	(\$0.19B)	(\$0.16B)	\$0.12B	\$0.27B	\$1.76B
QUAL	iShares MSCI USA Quality Factor ETF	(\$0.07B)	\$0.35B	(\$0.18B)	\$1.58B	\$21.14B
VIG	Vanguard Dividend Appreciation ETF	(\$0.07B)	\$1.56B	\$2.19B	\$4.89B	\$63.38B

* 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	-2.21%	97.07%	10.96%	36.59%	64.25
XLU	Utilities Select Sector SPDR Fund	-6.59%	13.70%	-2.59%	3.32%	41.21
XLB	Materials Select Sector SPDR Fund	-7.02%	6.50%	-2.03%	-1.52%	45.98
XLP	Consumer Staples Select Sector SPDR Fund	-10.35%	4.99%	-5.35%	-2.72%	38.66
XLV	Health Care Select Sector SPDR Fund	-10.71%	2.45%	-4.15%	-3.90%	40.36
XLI	Industrial Select Sector SPDR Fund	-12.62%	4.30%	-2.80%	-7.31%	45.73
SPY	SPDR S&P 500 ETF Trust	-15.97%	3.08%	-4.22%	-9.43%	43.91
XLF	Financial Select Sector SPDR Fund	-18.52%	2.52%	-4.82%	-11.48%	41.12
XLRE	Real Estate Select Sector SPDR Fund	-18.61%	1.05%	-8.12%	-10.34%	37.80
XLK	Technology Select Sector SPDR Fund	-22.82%	4.25%	-4.43%	-12.56%	44.95
XLY	Consumer Discretionary Select Sector SPDR Fund	-28.83%	9.18%	-7.57%	-18.00%	45.05
XLC	Communication Services Select Sector SPDR Fund	-32.20%	2.71%	-5.68%	-19.44%	43.34

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
AMLP	Alerian MLP ETF	-0.05%
ITB	iShares U.S. Home Construction ETF	-0.17%
MLPA	Global X MLP ETF	-0.30%
MORT	VanEck Mortgage REIT Income ETF	-0.39%
AMZA	InfraCap MLP ETF	-0.42%
REM	iShares Mortgage Real Estate ETF	-0.46%
XHB	SPDR S&P Homebuilders ETF	-0.47%
PKB	Invesco Dynamic Building & Construction ETF	-0.50%
AIRR	First Trust RBA American Industrial Renaissance E..	-0.93%
KBWD	Invesco KBW High Dividend Yield Financial ETF	-0.94%

Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	69.69
PXE	Invesco Dynamic Energy Exploration & Production ETF	69.05
FCG	First Trust Natural Gas ETF	65.68
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	65.63
PXI	Invesco DWA Energy Momentum ETF	64.92
PSCE	Invesco S&P SmallCap Energy ETF	64.64
FENY	Fidelity MSCI Energy Index ETF	64.58
VDE	Vanguard Energy ETF	64.43
XLE	Energy Select Sector SPDR Fund	64.25
FXN	First Trust Energy AlphaDEX Fund	63.37

Sector & Industry 1 Day Performance Laggards

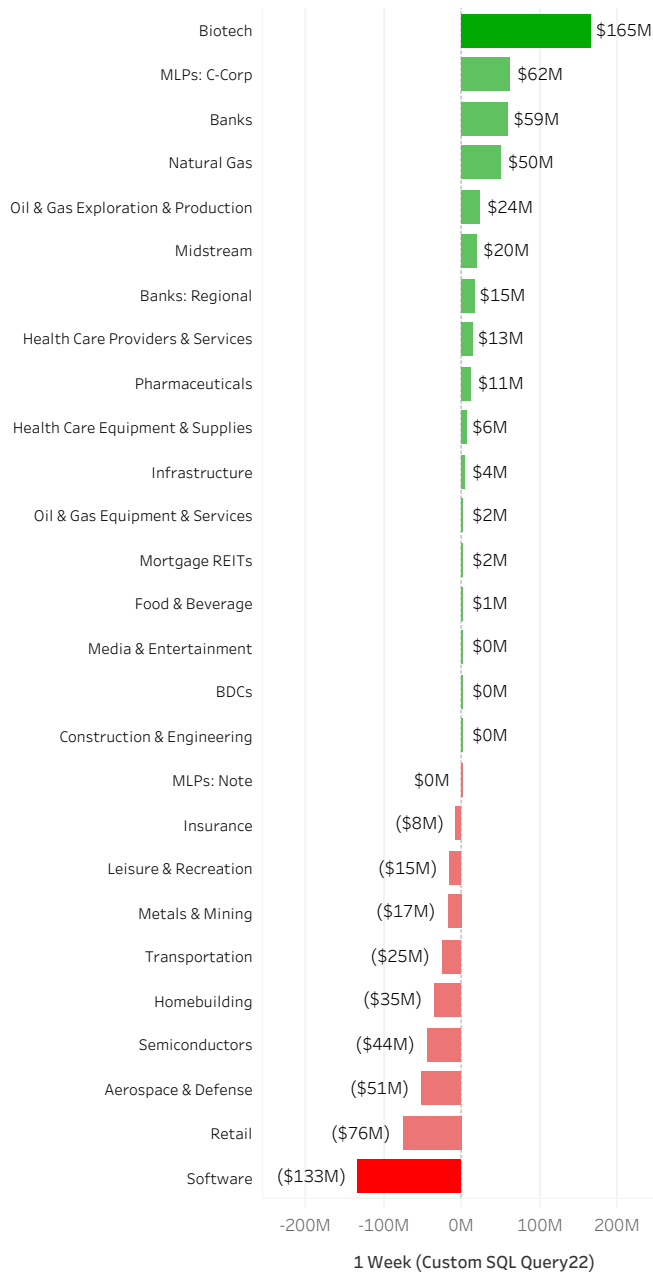
Ticker	Fund	1 Day Performance
XME	SPDR S&P Metals & Mining ETF	-4.79%
XBI	SPDR S&P BIOTECH ETF	-4.03%
PNQI	Invesco NASDAQ Internet ETF	-4.01%
PXJ	Invesco Dynamic Oil & Gas Services ETF	-4.01%
XES	SPDR S&P Oil & Gas Equipment & Services ETF	-3.89%
FDN	First Trust Dow Jones Internet Index Fund	-3.68%
IBB	iShares Biotechnology ETF	-3.49%
XSW	SPDR S&P Software & Services ETF	-3.43%
XNTK	SPDR NYSE Technology ETF	-3.39%
FTXO	First Trust Nasdaq Bank ETF	-3.34%

Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
REZ	iShares Residential and Multisector Real Estate ETF	33.50
USRT	iShares Core U.S. REIT ETF	35.53
EWRE	Invesco S&P 500 Equal Weight Real Estate ETF	35.67
RWR	SPDR Dow Jones REIT ETF	35.71
PPTY	US Diversified Real Estate ETF	36.02
BBRE	JPMorgan BetaBuilders MSCI U.S. REIT ETF	36.40
FRI	First Trust S&P REIT Index Fund	36.46
IYK	iShares U.S. Consumer Staples ETF	37.02
ICF	iShares Cohen & Steers REIT ETF	37.26
NURE	Nuveen Short-Term REIT ETF	37.78

* 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	(\$57M)	(\$409M)	(\$1,076M)	\$261M
Consumer Discretionary	13	\$24B	(\$41M)	(\$2,237M)	(\$4,934M)	(\$4,244M)
Consumer Staples	12	\$27B	(\$84M)	\$1,714M	\$5,792M	\$6,069M
Energy	34	\$92B	\$726M	(\$607M)	\$5,994M	\$4,818M
Financials	28	\$65B	\$42M	(\$11,556M)	(\$8,175M)	(\$10,224M)
Health Care	26	\$89B	(\$37M)	\$5,420M	\$8,725M	\$14,082M
Industrial	14	\$30B	(\$43M)	(\$2,064M)	(\$1,812M)	(\$6,342M)
Materials	10	\$19B	(\$3M)	\$1,302M	\$2,257M	(\$898M)
Multi-Sector	19	\$16B	(\$64M)	(\$1,856M)	(\$4,028M)	(\$2,519M)
Real Estate	24	\$71B	\$51M	(\$1,818M)	(\$949M)	\$4,452M
Technology	24	\$125B	(\$166M)	\$1,081M	(\$1,081M)	\$6,864M
Utilities	10	\$27B	\$147M	\$3,369M	\$4,064M	\$5,524M

U.S. Sector & Industry Flow Leaders

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLE	Energy Select Sector SPDR Fund	\$470M	\$12M	\$1,910M	\$1,445M	\$45,757M
VGT	Vanguard Information Technology ETF	\$180M	\$1,622M	\$333M	\$2,648M	\$44,598M
IYR	iShares U.S. Real Estate ETF	\$166M	(\$362M)	(\$736M)	(\$1,222M)	\$4,770M
XBI	SPDR S&P BIOTECH ETF	\$131M	\$707M	\$2,506M	\$2,782M	\$6,258M
VDE	Vanguard Energy ETF	\$84M	(\$633M)	(\$114M)	\$322M	\$9,635M
XLY	Consumer Discretionary Select Sector SPDR Fu..	\$69M	(\$299M)	(\$2,108M)	(\$1,121M)	\$16,231M
AMLP	Alerian MLP ETF	\$65M	\$249M	\$731M	\$678M	\$7,249M
XLU	Utilities Select Sector SPDR Fund	\$56M	\$2,352M	\$2,597M	\$3,654M	\$16,768M
KBWB	Invesco KBW Bank ETF	\$56M	(\$341M)	(\$401M)	(\$106M)	\$2,099M
IEO	iShares U.S. Oil & Gas Exploration & Production..	\$52M	\$200M	\$492M	\$433M	\$1,176M

U.S. Sector & Industry Flow Laggards

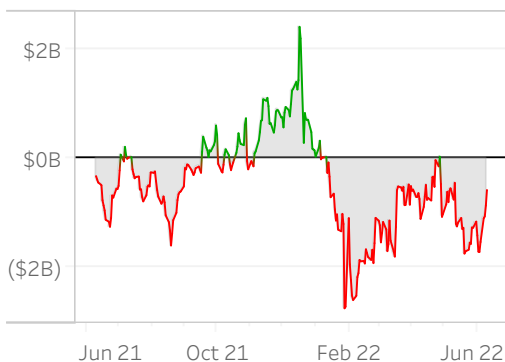
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IGV	iShares Expanded Tech-Software Sector ETF	(\$132M)	\$306M	\$347M	\$922M	\$4,642M
XLV	Health Care Select Sector SPDR Fund	(\$130M)	\$4,833M	\$6,835M	\$10,390M	\$39,331M
XLK	Technology Select Sector SPDR Fund	(\$112M)	\$578M	\$331M	\$2,229M	\$42,188M
VHT	Vanguard Health Care ETF	(\$97M)	(\$355M)	(\$58M)	\$1,214M	\$15,706M
XLP	Consumer Staples Select Sector SPDR Fund	(\$81M)	(\$106M)	\$3,045M	\$3,048M	\$15,527M
XRT	SPDR S&P Retail ETF	(\$76M)	(\$59M)	(\$274M)	(\$229M)	\$353M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	(\$56M)	(\$1,382M)	\$97M	(\$1,171M)	\$5,939M
XLRE	Real Estate Select Sector SPDR Fund	(\$55M)	\$367M	\$557M	\$2,472M	\$5,454M
JPRE	JPMorgan Realty Income ETF	(\$48M)	(\$1,012M)	(\$1,080M)	(\$1,415M)	\$1,086M
IYZ	iShares U.S. Telecommunications ETF	(\$43M)	(\$54M)	(\$148M)	\$10M	\$402M

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

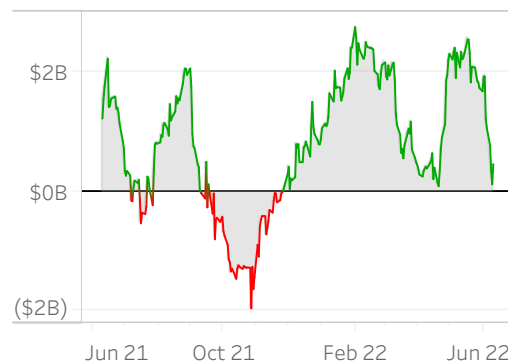
Communication Services



Consumer Discretionary



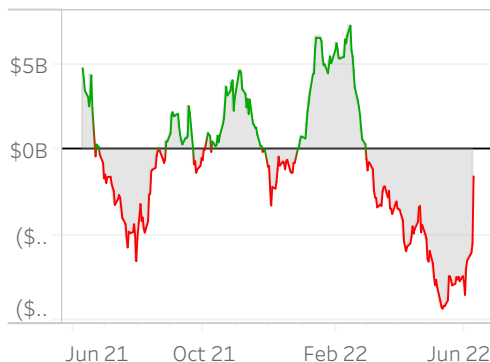
Consumer Staples



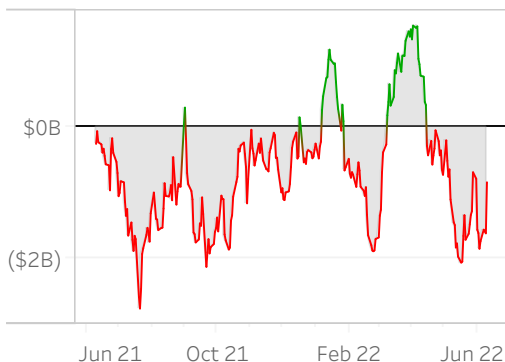
Energy



Financials



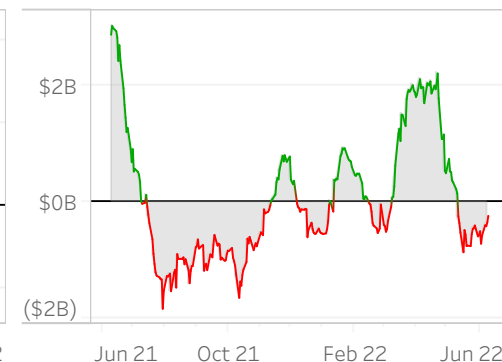
Industrial



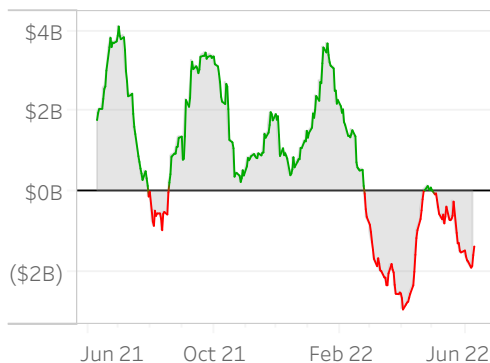
Health Care



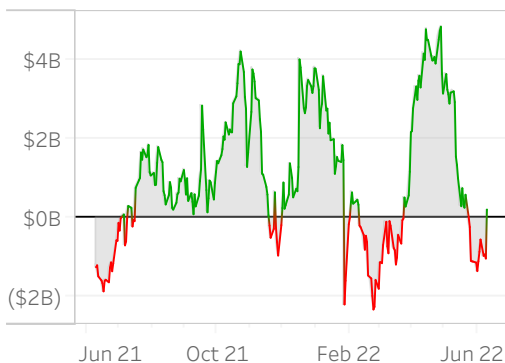
Materials



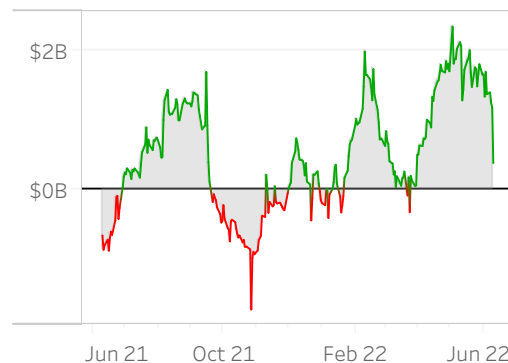
Real Estate



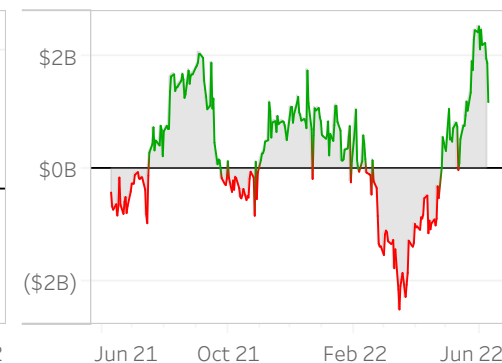
Technology



Utilities

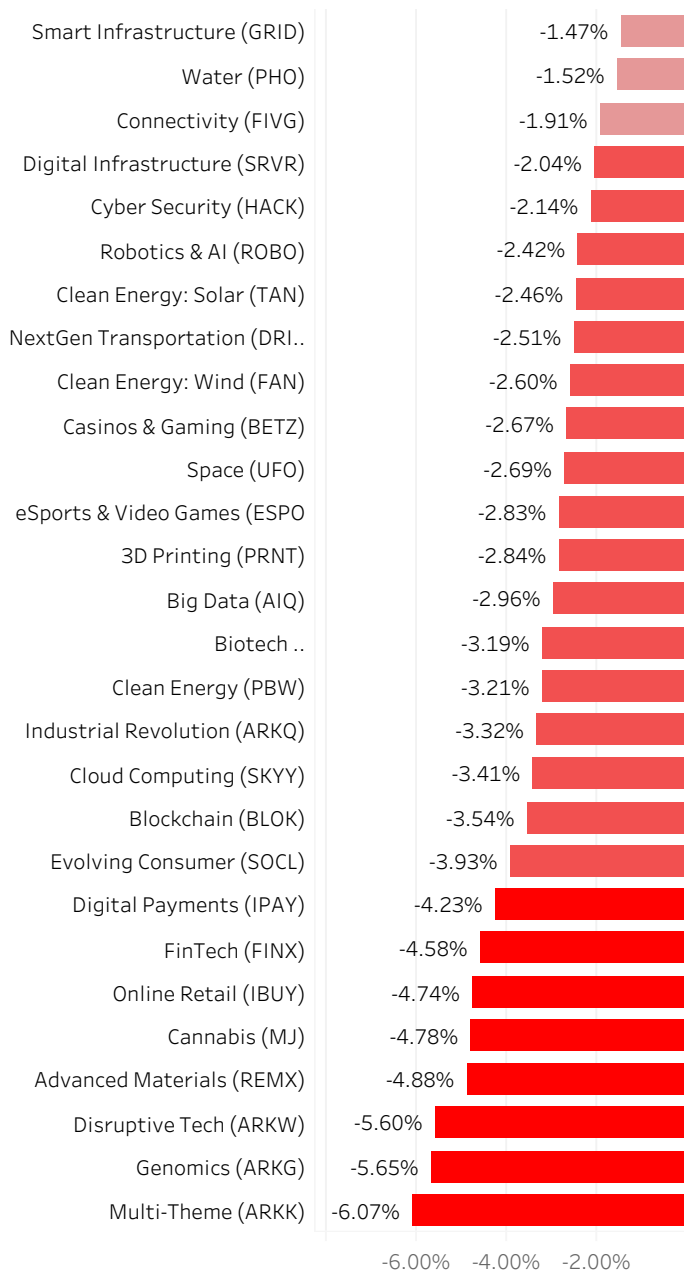


Multi-Sector

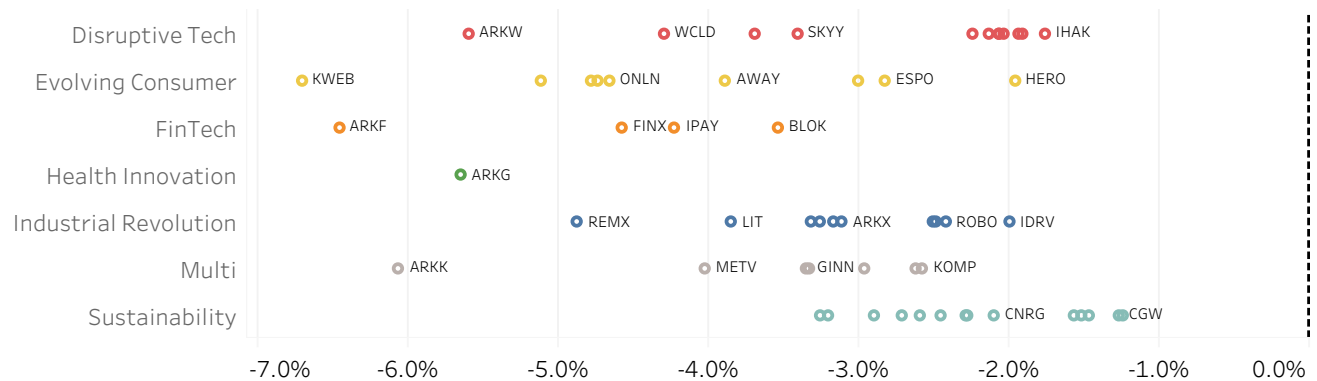


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
RNRG	Global X Funds Global X Renewable Energy Producers ETF	-1.19%
PIO	Invesco Global Water ETF	-1.25%
CGW	Invesco S&P Global Water Index ETF	-1.27%
EBLU	Ecofin Global Water ESG Fund	-1.35%
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure..	-1.47%
PHO	Invesco Water Resources ETF	-1.52%
FIW	First Trust Water ETF	-1.57%
IHAK	iShares Cybersecurity & Tech ETF	-1.76%
KLDW	Knowledge Leaders Developed World ETF	-1.81%
VPN	Global X Data Center REITs & Digital Infrastructure ETF	-1.90%

Thematic Most Overbought

Ticker	Fund	Price
TAN	Invesco Solar ETF	60.63
KWEB	KraneShares CSI China Internet ETF	59.96
KGRN	KraneShares MSCI China Clean Technology Index ETF	59.46
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	58.54
CNRG	SPDR S&P Kensho Clean Power ETF	56.91
KEMQ	KraneShares Emerging Markets Consumer Technology Ind..	55.87
KSTR	KraneShares SSE STAR Market 50 Index ETF	55.86
ACES	ALPS Clean Energy ETF	53.31
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	53.30
ICLN	iShares Global Clean Energy ETF	52.65

Global Thematic 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
HDRO	Defiance Next Gen H2 ETF	-6.87%
KWEB	KraneShares CSI China Internet ETF	-6.70%
ARKF	ARK Fintech Innovation ETF	-6.45%
ARKK	ARK Innovation ETF	-6.07%
BITQ	Bitwise Crypto Industry Innovators ETF	-6.02%
ARKG	ARK Genomic Revolution ETF	-5.65%
ARKW	ARK Next Generation Internet ETF	-5.60%
BKCH	Global X Blockchain ETF	-5.56%
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce E..	-5.12%
EBIZ	Global X E-Commerce ETF	-4.99%

Thematic Most Oversold

Ticker	Fund	Price
YOLO	AdvisorShares Pure Cannabis ETF	30.11
CNBS	Amplify Seymour Cannabis ETF	30.74
POTX	Global X Cannabis ETF	31.53
MJ	ETFMG Alternative Harvest ETF	32.43
BKCH	Global X Blockchain ETF	34.44
MSOS	AdvisorShares Pure US Cannabis ETF	35.24
BITQ	Bitwise Crypto Industry Innovators ETF	35.55
BLOK	Amplify Transformational Data Sharing ETF	37.42
AGNG	Global X Aging Population ETF	39.66
HDRO	Defiance Next Gen H2 ETF	39.92

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Thematic 1 Week Flow Leaders

Ticker	Fund	
KWEB	KraneShares CSI China Internet ETF	\$289M
TAN	Invesco Solar ETF	\$62M
ARKG	ARK Genomic Revolution ETF	\$17M
WCLD	WisdomTree Cloud Computing Fund	\$14M
PBW	Invesco WilderHill Clean Energy ETF	\$14M
XITK	SPDR FactSet Innovative Technology ETF	\$12M
ARKW	ARK Next Generation Internet ETF	\$9M
BUG	Global X Cybersecurity ETF	\$6M
FINX	Global X FinTech ETF	\$6M
CNRG	SPDR S&P Kensho Clean Power ETF	\$5M

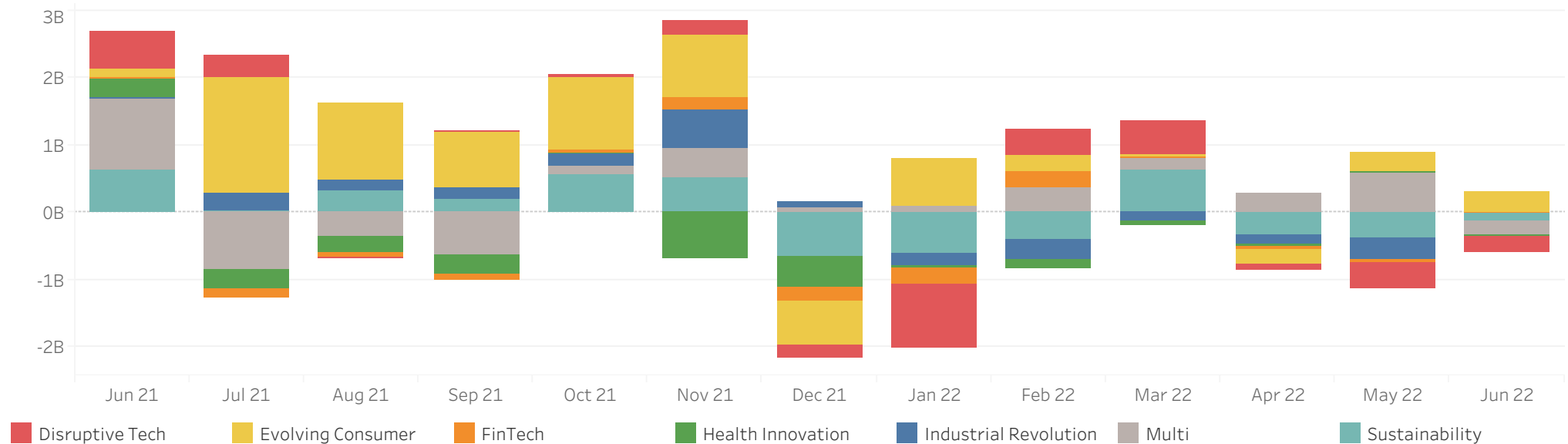
Thematic 1 Week Flow Laggards

Ticker	Fund	
CIBR	First Trust NASDAQ Cybersecurity ETF	(\$219M)
NXTG	First Trust Indxx NextG ETF	(\$160M)
KOMP	SPDR S&P Kensho New Economies Composite ETF	(\$38M)
ACES	ALPS Clean Energy ETF	(\$27M)
ICLN	iShares Global Clean Energy ETF	(\$18M)
LIT	Global X Lithium & Battery Tech ETF	(\$16M)
SKYY	First Trust Cloud Computing ETF	(\$15M)
BLCN	Siren ETF Trust Siren Nasdaq NexGen Economy ETF	(\$12M)
DTEC	ALPS Disruptive Technologies ETF	(\$12M)
CLOU	Global X Cloud Computing ETF	(\$12M)

Thematic Landscape Assets & Flows

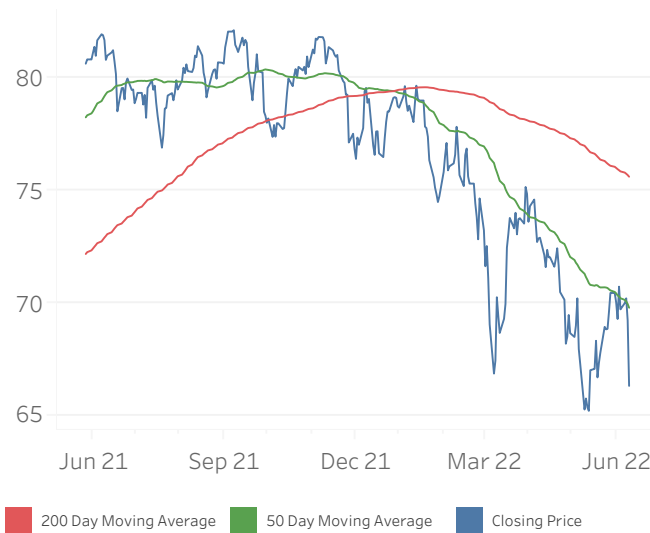
Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	35	\$20B	(\$174M)	(\$576M)	(\$942M)	\$189M
Evolving Consumer	48	\$12B	\$273M	\$851M	\$682M	\$6,531M
FinTech	24	\$4B	(\$6M)	(\$70M)	(\$263M)	(\$291M)
Health Innovation	19	\$4B	\$12M	\$28M	(\$688M)	(\$1,914M)
Industrial Revolution	32	\$13B	(\$9M)	(\$596M)	(\$1,137M)	\$351M
Multi	42	\$16B	(\$94M)	\$504M	\$1,526M	\$1,124M
Sustainability	41	\$19B	\$57M	(\$755M)	(\$1,549M)	\$406M
Grand Total	241	\$88B	\$58M	(\$613M)	(\$2,370M)	\$6,396M

Thematic Monthly Flows

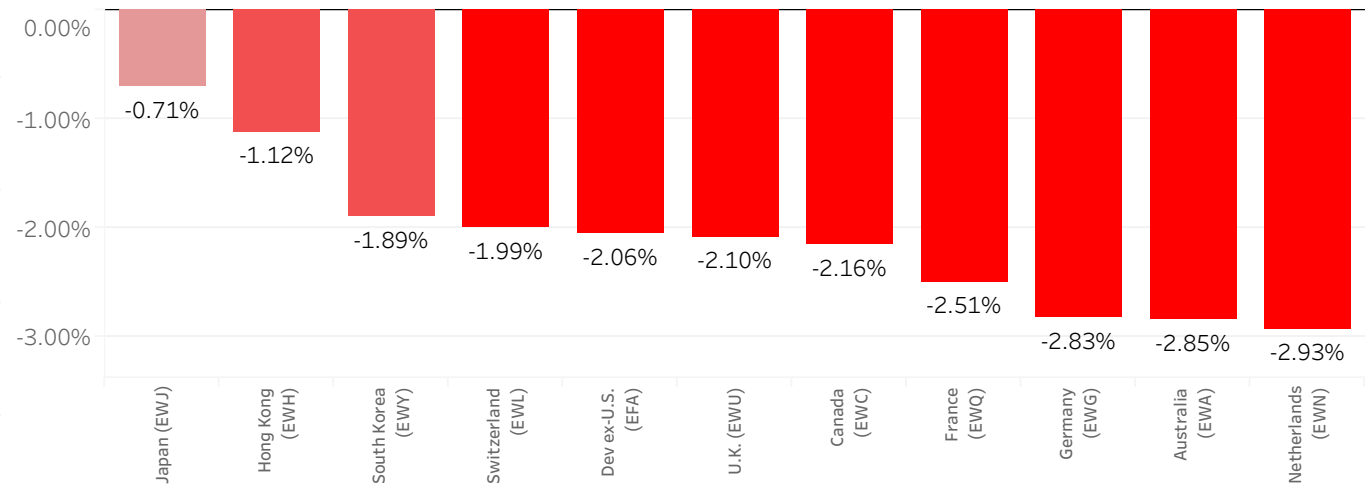


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

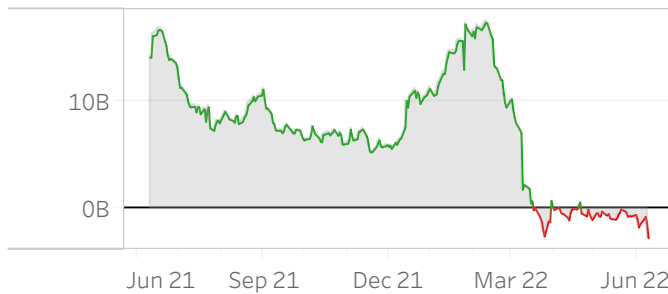
Developed ex-U.S. (EFA)



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



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



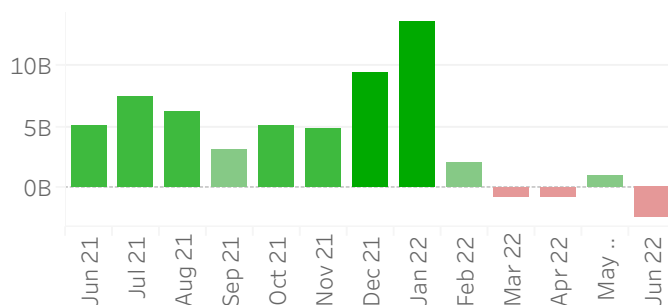
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	Performance
PTIN	Pacer Trendpilot International ETF	-0.05%
EWJV	iShares MSCI Japan Value ETF	-0.36%
SCJ	iShares MSCI Japan Small-Cap ETF	-0.47%
DFJ	WisdomTree Japan SmallCap Dividend Fund	-0.51%
JPXN	iShares JPX-Nikkei 400 ETF	-0.52%
HEWJ	iShares Currency Hedged MSCI Japan ETF	-0.53%
BBJP	JPMorgan BetaBuilders Japan ETF	-0.58%
DXJ	WisdomTree Japan Hedged Equity Fund	-0.60%
FLJP	Franklin FTSE Japan ETF	-0.68%
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	-0.68%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
DXJ	WisdomTree Japan Hedged Equity Fund	60.71
HEWJ	iShares Currency Hedged MSCI Japan ETF	59.09
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	58.60
AIA	iShares Asia 50 ETF	52.99
AAXJ	iShares MSCI All Country Asia ex Japan ETF	50.09
IVAL	Alpha Architect International Quantitative Value ETF	49.03
ICOW	Pacer Developed Markets International Cash Cows 100 ETF	49.02
IDOG	ALPS International Sector Dividend Dogs ETF	48.69
FYLD	Cambria Foreign Shareholder Yield ETF	48.43
ISDX	Invesco RAFI Strategic Developed ex-US ETF	48.34

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	Performance
EWD	iShares MSCI Sweden ETF	-3.20%
EWI	iShares MSCI Italy ETF	-3.06%
EDEN	iShares MSCI Denmark ETF	-2.99%
FEZ	SPDR EURO STOXX 50 ETF	-2.94%
EWN	iShares MSCI Netherlands ETF	-2.93%
AIA	iShares Asia 50 ETF	-2.89%
NORW	Global X MSCI Norway ETF	-2.88%
CIL	VictoryShares International Volatility Wtd ETF	-2.88%
EWA	iShares MSCI Australia ETF	-2.85%
EIS	iShares MSCI Israel ETF	-2.84%

Developed ex-U.S. Most Oversold

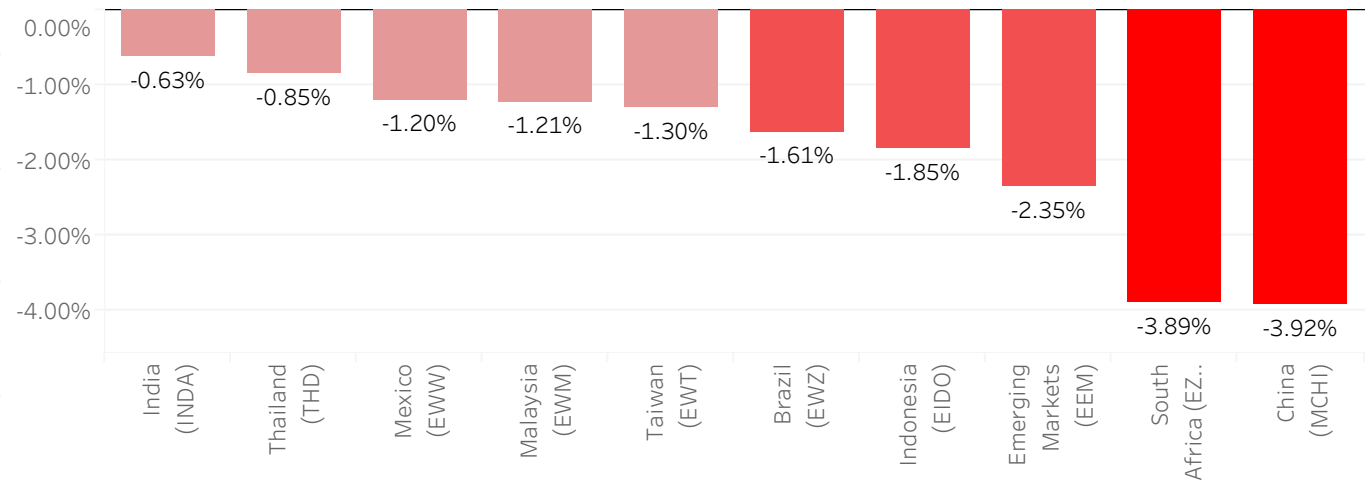
Ticker	Fund	Value
EFAV	iShares MSCI EAFE Min Vol Factor ETF	31.11
EWL	iShares MSCI Switzerland ETF	31.44
WPS	iShares International Developed Property ETF	32.27
EWA	iShares MSCI Australia ETF	33.86
FLSW	Franklin FTSE Switzerland ETF	34.69
ENZL	iShares MSCI New Zealand ETF	35.11
QLVD	FlexShares Developed Markets ex-US Quality Low V..	35.43
EPP	iShares MSCI Pacific ex-Japan ETF	35.79
EWI	iShares MSCI Italy ETF	36.43
INTF	iShares International Equity Factor ETF	36.56

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Emerging (EEM)



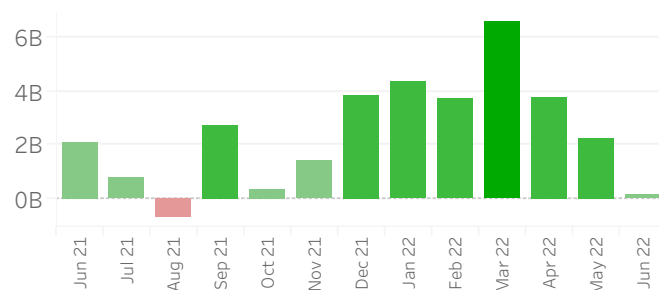
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EYLD	Cambria Emerging Shareholder Yield ETF	2.02%
QAT	iShares MSCI Qatar ETF	0.29%
PIN	Invesco India ETF	-0.55%
FEMS	First Trust Emerging Markets Small Cap AlphaDEX Fund	-0.57%
INDY	iShares India 50 ETF	-0.60%
FLIN	Franklin FTSE India ETF	-0.63%
INDA	iShares MSCI India ETF	-0.63%
EPI	WisdomTree India Earnings Fund	-0.81%
KSA	iShares MSCI Saudi Arabia ETF	-0.82%
THD	iShares MSCI Thailand ETF	-0.85%

Emerging Most Overbought

Ticker	Fund	Value
EYLD	Cambria Emerging Shareholder Yield ETF	60.12
PGJ	Invesco Golden Dragon China ETF	59.54
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	59.53
FLCH	Franklin FTSE China ETF	59.32
FNI	First Trust Chindia ETF	58.95
GXC	SPDR S&P China ETF	58.42
FXI	iShares China Large-Cap ETF	57.87
MCHI	iShares MSCI China ETF	57.62
CNYA	iShares MSCI China A ETF	55.92
KBA	KraneShares Boseria MSCI China A 50 Connect Index E..	55.13

Emerging 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
PGJ	Invesco Golden Dragon China ETF	-6.79%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	-4.41%
FNI	First Trust Chindia ETF	-4.38%
ADRE	Invesco BLDERS Emerging Markets 50 ADR Index Fund	-4.01%
MCHI	iShares MSCI China ETF	-3.92%
EZA	iShares MSCI South Africa ETF	-3.89%
FXI	iShares China Large-Cap ETF	-3.79%
GXC	SPDR S&P China ETF	-3.72%
FLCH	Franklin FTSE China ETF	-3.65%
EPOL	iShares MSCI Poland ETF	-3.11%

Emerging Most Oversold

Ticker	Fund	Value
EWM	iShares MSCI Malaysia ETF	24.59
FM	iShares MSCI Frontier and Select EM ETF	30.11
TUR	iShares MSCI Turkey ETF	30.54
QAT	iShares MSCI Qatar ETF	31.36
DVYE	iShares Emerging Markets Dividend ETF	33.18
EWZ	iShares MSCI Brazil ETF	34.08
ILF	iShares Latin America 40 ETF	34.60
EDIV	SPDR S&P Emerging Markets Dividend ETF	35.49
KSA	iShares MSCI Saudi Arabia ETF	35.57
THD	iShares MSCI Thailand ETF	36.15

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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	-0.11%	0.16%	-9.83%
SHY	1-3 Year Treasury Bonds	-0.07%	-0.15%	-2.86%
IEF	7-10 Year Treasury Bonds	-0.09%	0.02%	-11.05%
TLT	20+ Year Treasury Bonds	0.33%	0.01%	-22.15%
TIP	TIPS Bonds	-0.02%	0.99%	-6.16%
FLOT	Floating Rate Bonds	0.04%	-0.33%	-0.62%
LQD	Investment Grade Corporate	-0.66%	0.60%	-14.88%
HYG	High Yield Corporate	-0.80%	0.61%	-9.87%
BKLN	Senior Loan	-0.19%	0.29%	-2.94%
PFF	Preferred & Income Securities	-1.40%	4.20%	-12.44%
MUB	Municipal Bonds	-0.39%	1.31%	-7.33%
MBB	MBS	0.27%	0.65%	-8.09%
EMB	Dollar Denominated EM Bonds	-0.83%	0.54%	-17.11%
LEMB	Local Currency EM Bond	-0.52%	1.05%	-11.45%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	0.29%	11.05%	43.24%
DBE	Energy	0.33%	19.48%	77.75%
USO	WTI Crude Oil	-0.99%	18.95%	67.55%
BNO	Brent Crude Oil	-0.96%	19.24%	71.88%
UNG	Natural Gas	3.26%	24.93%	143.16%
UGA	Gasoline	1.01%	22.77%	93.75%
DBP	Precious Metals	-0.61%	-0.43%	-1.50%
GLD	Gold	-0.32%	-0.38%	0.74%
SLV	Silver	-1.87%	-0.30%	-7.16%
PPLT	abrdn Physical Platin..	-3.63%	2.22%	0.53%
PALL	abrdn Physical Palla..	-0.94%	-8.97%	1.29%
DBB	Base Metals	-2.04%	2.64%	1.21%
CPER	Copper	-1.64%	3.65%	-3.01%
LD	Lead	-0.51%	5.91%	-2.58%
JJN	Nickel	-2.74%	0.47%	36.37%
JJU	Aluminum	-6.30%	-5.15%	-6.15%
JJT	Tin	-2.60%	-0.77%	-5.45%
DBA	Agriculture	0.00%	3.99%	12.30%
CORN	Corn	0.04%	1.10%	32.36%
SOYB	Soybeans	0.52%	7.86%	28.53%
WEAT	Wheat	-0.72%	2.90%	48.71%
CANE	Sugar	1.34%	4.80%	6.74%
BAL	Cotton	4.82%	1.07%	34.46%
NIB	Cocoa	-0.19%	0.24%	-7.22%
JO	Coffee	1.42%	15.06%	4.81%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.73%	-0.40%	7.73%
UDN	Short Dollar	-0.85%	0.32%	-7.81%
FXE	Euro	-0.93%	0.42%	-7.13%
FXB	British Pound Sterling	-0.37%	1.28%	-7.73%
FXF	Swiss Franc	-0.18%	1.23%	-7.46%
FXJ	Japanese Yen	-0.09%	-3.18%	-14.54%
FXC	Canadian Dollar	-1.17%	2.37%	-0.63%
FXA	Australian Dollar	-1.34%	2.05%	-2.45%

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