

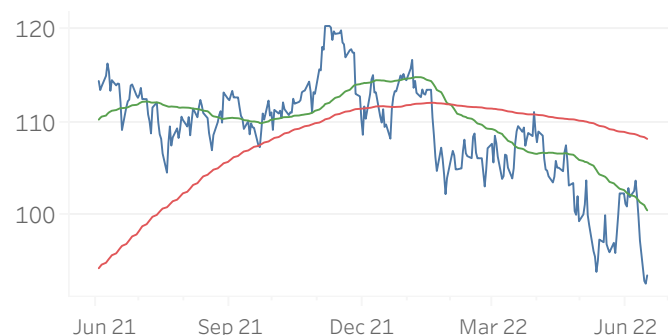
Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

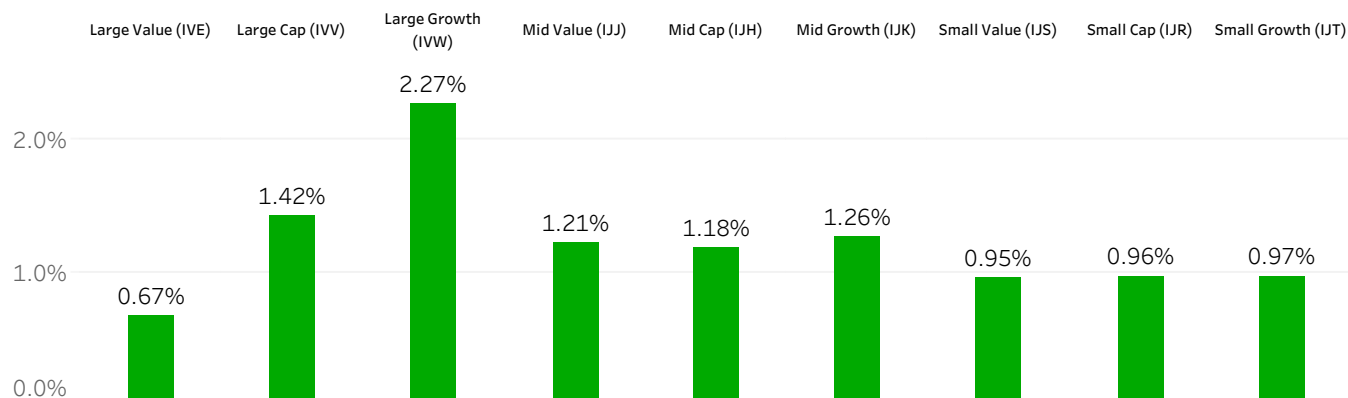


Small Cap Blend (S&P 600) IJR



■ 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	1-Day Performance
JSMD	Janus Henderson Small/Mid Cap Growth Alpha ETF	7.32%
IPO	Renaissance IPO ETF	4.10%
BUZZ	VanEck Social Sentiment ETF	3.61%
MMLG	First Trust Multi-Manager Large Growth ETF	3.03%
MGK	Vanguard Mega Cap Growth ETF	2.63%
ILCG	iShares Morningstar Growth ETF	2.57%
SCHG	Schwab U.S. Large-Cap Growth ETF	2.55%
QQQ	Invesco QQQ Trust	2.50%
VUG	Vanguard Growth ETF	2.49%
CGGR	Capital Group Growth ETF	2.48%

Size & Style Most Overbought

Ticker	Fund	Value
PTLC	Pacer Trendpilot US Large Cap ETF	45.91
PTMC	Pacer Trendpilot US Mid Cap ETF	44.07
JSMD	Janus Henderson Small/Mid Cap Growth Alpha ETF	42.67
IPO	Renaissance IPO ETF	42.55
CSF	VictoryShares US Discovery Enhanced Volatility Wtd ETF	40.55
QQXT	First Trust Nasdaq-100 Ex-Technology Sector Index Fund	39.76
CALF	Pacer US Small Cap Cash Cows 100 ETF	39.70
DWAS	Invesco DWA SmallCap Momentum ETF	39.44
QQQE	Direxion NASDAQ-100 Equal Weighted Index Shares	39.40
QQEW	First Trust Nasdaq-100 Equal Weighted Index Fund	39.38

Size & Style 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
QVML	Invesco S&P 500 QVM Multi-factor ETF	-3.09%
PTMC	Pacer Trendpilot US Mid Cap ETF	-0.17%
DHS	WisdomTree U.S. High Dividend Fund	-0.13%
EQRR	ProShares Equities for Rising Rates ETF	-0.10%
FDL	First Trust Morningstar Dividend Leaders Index Fund	-0.08%
HDV	iShares Core High Dividend ETF	-0.08%
QMOM	Alpha Architect U.S. Quantitative Momentum ETF	-0.08%
DEIF	Sterling Capital Diverse Multi-Manager Active ETF	-0.06%
DVY	iShares Select Dividend ETF	-0.03%
WBIY	WBI Power Factor High Dividend ETF	0.00%

Size & Style Most Oversold

Ticker	Fund	Value
DEIF	Sterling Capital Diverse Multi-Manager Active ETF	21.03
SPHD	Invesco S&P 500 High Dividend Low Volatility ETF	25.14
CFO	VictoryShares US 500 Enhanced Volatility Wtd ETF	26.80
RDIV	Invesco S&P Ultra Dividend Revenue ETF	27.05
ALTL	Pacer Lunt Large Cap Alternator ETF	27.09
QVML	Invesco S&P 500 QVM Multi-factor ETF	27.13
SPLV	Invesco S&P 500 Low Volatility ETF	27.20
CDL	VictoryShares US Large Cap High Dividend Volatility ..	27.61
CDC	VictoryShares US EQ Income Enhanced Volatility Wt..	27.71
DIV	Global X SuperDividend US ETF	27.74

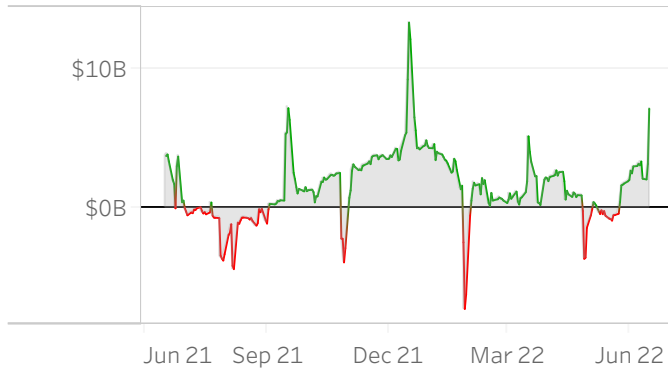
\*ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify



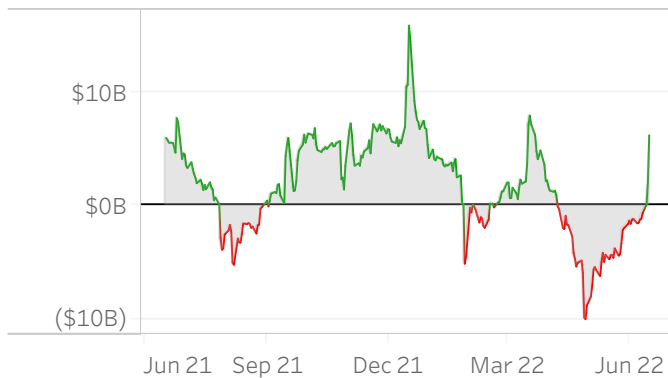
### Large-Cap 30-Day Rolling Flows



### 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	\$1,117B	(\$6.40B)	\$6.24B	\$37.94B	\$132.54B
Large Cap, Beta Growth, Beta: Growth	10	\$201B	\$0.38B	\$5.89B	(\$0.04B)	\$14.88B
Large Cap, Beta Growth, Beta: Value	11	\$207B	\$2.16B	\$4.35B	\$13.88B	\$26.34B
Mid Cap, Beta, Beta	10	\$165B	\$3.18B	\$3.60B	\$3.92B	\$13.17B
Mid Cap, Beta, Beta: Growth	6	\$29B	\$0.53B	\$0.08B	(\$1.65B)	\$0.65B
Mid Cap, Beta, Beta: Value	6	\$38B	\$1.37B	\$0.36B	(\$0.90B)	\$0.79B
Small Cap, Beta, Beta	13	\$180B	\$5.08B	(\$4.38B)	(\$2.53B)	\$9.84B
Small Cap, Beta, Beta: Growth	7	\$29B	\$0.51B	\$0.34B	(\$0.54B)	\$1.84B
Small Cap, Beta, Beta: Value	7	\$50B	\$1.65B	(\$2.00B)	(\$3.34B)	(\$1.41B)

### U.S. Size & Style Flow Leaders

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
VTI	Vanguard Total Stock Market ETF	\$4.10B	\$2.64B	\$14.04B	\$38.77B	\$244.65B
VO	Vanguard Mid-Cap ETF	\$3.19B	\$1.86B	\$2.63B	\$7.49B	\$49.45B
IWM	iShares Russell 2000 ETF	\$2.59B	(\$0.93B)	(\$1.68B)	\$0.48B	\$51.87B
VB	Vanguard Small-Cap ETF	\$2.58B	(\$0.24B)	\$0.62B	\$3.97B	\$41.65B
VTV	Vanguard Value ETF	\$1.99B	\$4.38B	\$14.24B	\$18.03B	\$95.83B
VBR	Vanguard Small Cap Value ETF	\$1.64B	(\$0.96B)	\$0.22B	\$1.98B	\$23.87B
VOE	Vanguard Mid-Cap Value ETF	\$1.38B	\$1.42B	\$2.36B	\$2.97B	\$16.47B
VBK	Vanguard Small-Cap Growth ETF	\$0.53B	\$0.17B	(\$0.03B)	\$1.09B	\$11.99B
VOT	Vanguard Mid-Cap Growth ETF	\$0.49B	(\$0.03B)	\$0.03B	\$0.92B	\$9.24B
VUG	Vanguard Growth ETF	\$0.47B	\$3.28B	\$4.31B	\$3.94B	\$65.89B

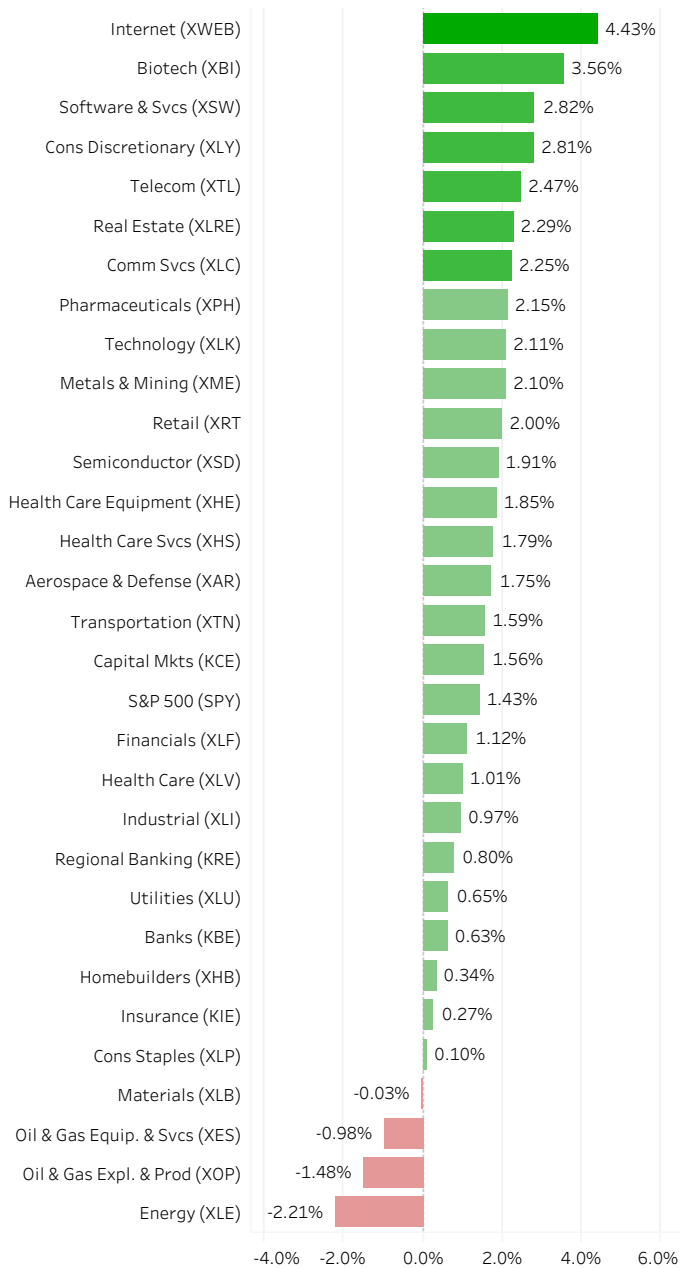
### U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	(\$5.24B)	(\$3.67B)	(\$17.48B)	\$17.74B	\$334.22B
IVV	iShares Core S&P 500 ETF	(\$1.28B)	\$2.34B	\$19.37B	\$33.06B	\$277.02B
SPLG	SPDR Portfolio S&P 500 ETF	(\$0.30B)	\$0.56B	\$1.50B	\$3.79B	\$12.39B
FNDX	Schwab Fundamental US Large Co. Index ETF	(\$0.22B)	\$0.75B	\$2.17B	\$3.32B	\$9.68B
VONV	Vanguard Russell 1000 Value ETF	(\$0.19B)	(\$0.74B)	(\$0.53B)	\$0.58B	\$5.82B
FNDA	Schwab Fundamental US Small Co. Index ETF	(\$0.14B)	\$1.11B	\$1.06B	\$1.51B	\$5.25B
IJR	iShares Core S&P Small Cap ETF	(\$0.12B)	(\$1.72B)	(\$1.23B)	\$1.95B	\$59.98B
QUAL	iShares MSCI USA Quality Factor ETF	(\$0.12B)	\$0.19B	(\$0.30B)	\$1.33B	\$18.96B
IWB	iShares Russell 1000 ETF	(\$0.12B)	\$0.44B	\$0.74B	\$0.38B	\$25.44B
IJH	iShares Core S&P Mid-Cap ETF	(\$0.11B)	\$0.62B	\$0.48B	\$3.49B	\$56.26B

\* 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	-10.73%	79.91%	0.48%	23.33%	42.47
XLU	Utilities Select Sector SPDR Fund	-13.24%	5.60%	-8.78%	-4.01%	27.29
XLP	Consumer Staples Select Sector SPDR Fund	-13.60%	1.18%	-8.16%	-6.19%	30.44
XLB	Materials Select Sector SPDR Fund	-14.07%	0.00%	-8.65%	-8.87%	32.09
XLV	Health Care Select Sector SPDR Fund	-14.76%	1.01%	-7.64%	-8.07%	32.48
XLI	Industrial Select Sector SPDR Fund	-17.16%	0.97%	-6.90%	-11.87%	35.91
SPY	SPDR S&P 500 ETF Trust	-20.62%	1.43%	-8.26%	-14.16%	35.52
XLRE	Real Estate Select Sector SPDR Fund	-23.18%	2.29%	-11.80%	-15.07%	32.88
XLF	Financial Select Sector SPDR Fund	-23.61%	1.12%	-9.51%	-16.75%	32.21
XLK	Technology Select Sector SPDR Fund	-27.13%	2.75%	-8.19%	-17.10%	38.93
XLY	Consumer Discretionary Select Sector SPDR Fund	-33.04%	2.81%	-11.10%	-22.48%	39.12
XLC	Communication Services Select Sector SPDR Fund	-35.98%	2.25%	-9.17%	-23.28%	37.00

### Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
PSJ	Invesco Dynamic Software ETF	3.94%
FDN	First Trust Dow Jones Internet Index Fund	3.69%
XBI	SPDR S&P BIOTECH ETF	3.56%
PNQI	Invesco NASDAQ Internet ETF	3.49%
KBWY	Invesco KBW Premium Yield Equity REIT ETF	3.36%
NETL	NETLease Corporate Real Estate ETF	3.28%
FDIS	Fidelity MSCI Consumer Discretionary Index ETF	2.84%
XSW	SPDR S&P Software & Services ETF	2.82%
XLY	Consumer Discretionary Select Sector SPDR Fund	2.81%
VCR	Vanguard Consumer Discretionary ETF	2.79%

### Sector & Industry Most Overbought

Ticker	Fund	Technical Value
PXE	Invesco Dynamic Energy Exploration & Production ETF	48.41
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	47.27
PXI	Invesco DWA Energy Momentum ETF	45.80
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	44.95
FCG	First Trust Natural Gas ETF	44.69
FXN	First Trust Energy AlphaDEX Fund	44.22
PSCE	Invesco S&P SmallCap Energy ETF	43.82
FTXN	First Trust Nasdaq Oil & Gas ETF	43.20
FENY	Fidelity MSCI Energy Index ETF	42.83
VDE	Vanguard Energy ETF	42.76

### Sector & Industry 1 Day Performance Laggards

Ticker	Fund	1 Day Performance
XLE	Energy Select Sector SPDR Fund	-2.21%
RYE	Invesco S&P 500 Equal Weight Energy ETF	-2.19%
PXE	Invesco Dynamic Energy Exploration & Production ETF	-2.16%
IEZ	iShares U.S. Oil Equipment & Services ETF	-2.02%
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	-1.97%
IYE	iShares U.S. Energy ETF	-1.91%
MLPA	Global X MLP ETF	-1.90%
AMZA	InfraCap MLP ETF	-1.88%
VDE	Vanguard Energy ETF	-1.88%
FENY	Fidelity MSCI Energy Index ETF	-1.84%

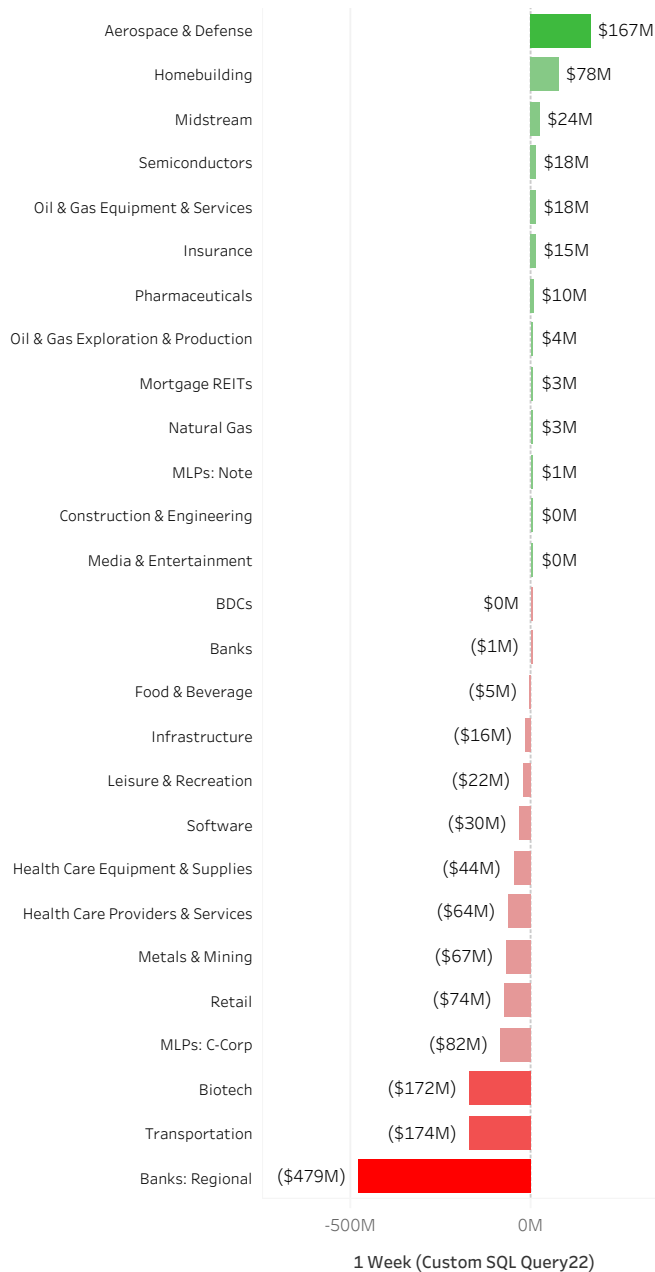
### Sector & Industry Most Oversold

Ticker	Fund	Technical Value
REM	iShares Mortgage Real Estate ETF	20.50
MORT	VanEck Mortgage REIT Income ETF	21.21
KBWD	Invesco KBW High Dividend Yield Financial ETF	24.66
RYU	Invesco S&P 500 Equal Weight Utilities ETF	25.32
FXU	First Trust Utilities AlphaDEX Fund	25.45
IDU	iShares U.S. Utilities ETF	26.55
XLU	Utilities Select Sector SPDR Fund	27.29
PUI	Invesco DWA Utilities Momentum ETF	27.64
VPU	Vanguard Utilities ETF	27.67
FUTY	Fidelity MSCI Utilities Index ETF	27.70

\* 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	\$13B	(\$16M)	(\$554M)	(\$1,626M)	\$111M
Consumer Discretionary	13	\$21B	(\$65M)	(\$1,607M)	(\$6,920M)	(\$3,899M)
Consumer Staples	12	\$25B	(\$66M)	\$1,959M	\$5,347M	\$5,787M
Energy	34	\$82B	(\$838M)	(\$1,661M)	\$4,148M	\$3,536M
Financials	28	\$57B	(\$1,000M)	(\$12,970M)	(\$10,050M)	(\$11,273M)
Health Care	26	\$81B	\$94M	\$5,095M	\$8,167M	\$14,811M
Industrial	14	\$28B	\$127M	(\$1,774M)	(\$1,838M)	(\$5,940M)
Materials	10	\$17B	(\$16M)	\$492M	\$2,209M	(\$965M)
Multi-Sector	19	\$14B	(\$29M)	(\$1,122M)	(\$5,076M)	(\$2,692M)
Real Estate	24	\$64B	(\$243M)	(\$1,502M)	(\$1,801M)	\$3,833M
Technology	24	\$111B	(\$198M)	\$1,636M	(\$4,076M)	\$6,854M
Utilities	10	\$24B	\$155M	\$3,217M	\$4,405M	\$5,598M

### U.S. Sector & Industry Flow Leaders

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLK	Technology Select Sector SPDR Fund	\$373M	\$1,469M	(\$759M)	\$2,743M	\$38,016M
VHT	Vanguard Health Care ETF	\$275M	(\$86M)	\$281M	\$1,507M	\$14,717M
XLI	Industrial Select Sector SPDR Fund	\$247M	(\$914M)	(\$1,783M)	(\$4,674M)	\$13,215M
ITA	iShares U.S. Aerospace & Defense ETF	\$190M	\$763M	\$1,464M	\$1,168M	\$3,615M
XLU	Utilities Select Sector SPDR Fund	\$154M	\$2,258M	\$2,956M	\$3,736M	\$15,041M
ITB	iShares U.S. Home Construction ETF	\$87M	(\$197M)	(\$715M)	(\$709M)	\$1,416M
XLV	Health Care Select Sector SPDR Fund	\$87M	\$4,451M	\$7,070M	\$10,363M	\$36,091M
IYM	iShares U.S. Basic Materials ETF	\$86M	\$338M	\$454M	\$231M	\$1,107M
IYR	iShares U.S. Real Estate ETF	\$58M	(\$82M)	(\$854M)	(\$1,352M)	\$4,342M
VDE	Vanguard Energy ETF	\$49M	(\$419M)	(\$110M)	\$357M	\$8,804M

### U.S. Sector & Industry Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLE	Energy Select Sector SPDR Fund	(\$872M)	(\$451M)	\$1,062M	\$347M	\$40,898M
KRE	SPDR S&P Regional Banking ETF	(\$466M)	(\$1,990M)	(\$995M)	(\$1,350M)	\$3,030M
RYT	Invesco S&P 500 Equal Weight Technology ETF	(\$312M)	(\$132M)	(\$393M)	(\$294M)	\$1,930M
XLF	Financial Select Sector SPDR Fund	(\$225M)	(\$7,516M)	(\$5,212M)	(\$7,185M)	\$30,135M
VNQ	Vanguard Real Estate ETF	(\$213M)	(\$666M)	(\$173M)	\$2,335M	\$37,276M
XBI	SPDR S&P BIOTECH ETF	(\$209M)	\$533M	\$2,364M	\$3,116M	\$5,415M
VGIT	Vanguard Information Technology ETF	(\$203M)	\$1,280M	\$96M	\$2,387M	\$39,694M
IYT	iShares US Transportation ETF	(\$166M)	(\$524M)	(\$635M)	(\$983M)	\$838M
VFH	Vanguard Financials ETF	(\$140M)	(\$1,419M)	(\$1,015M)	(\$631M)	\$8,396M
IYG	iShares US Financial Services ETF	(\$118M)	(\$589M)	(\$701M)	(\$528M)	\$1,390M

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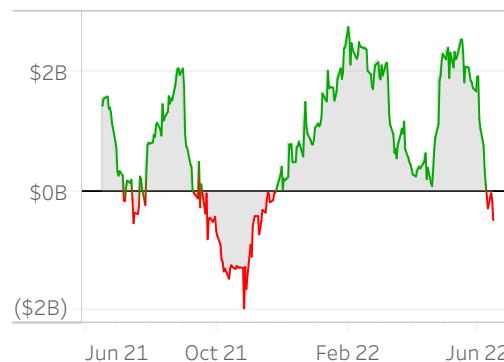
Communication Services



Consumer Discretionary



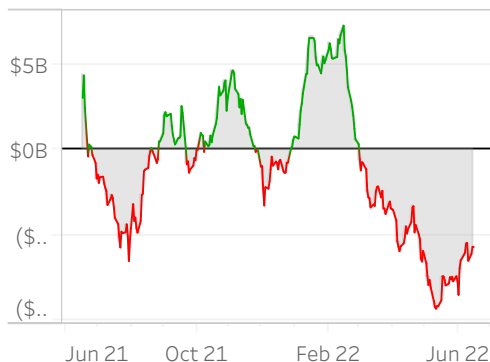
Consumer Staples



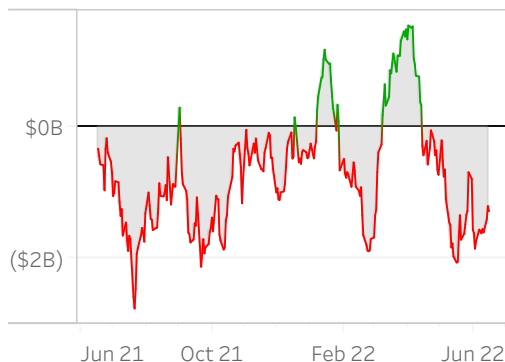
Energy



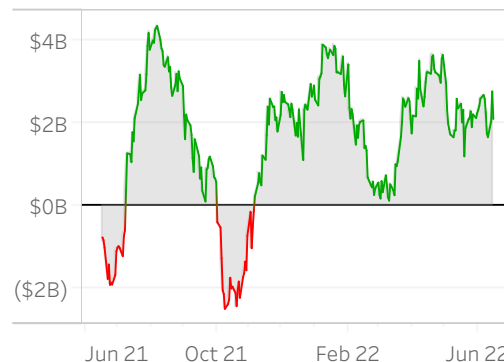
Financials



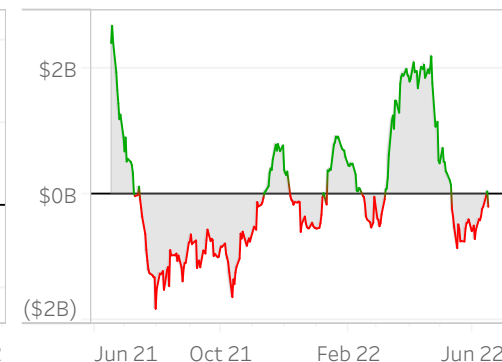
Industrial



Health Care



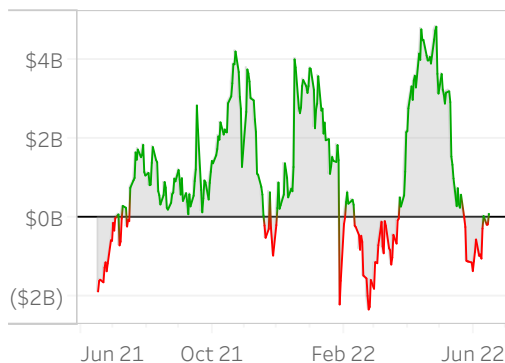
Materials



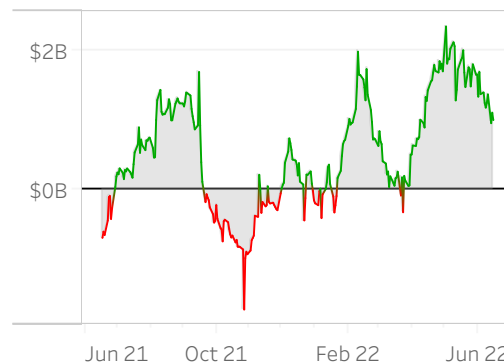
Real Estate



Technology



Utilities



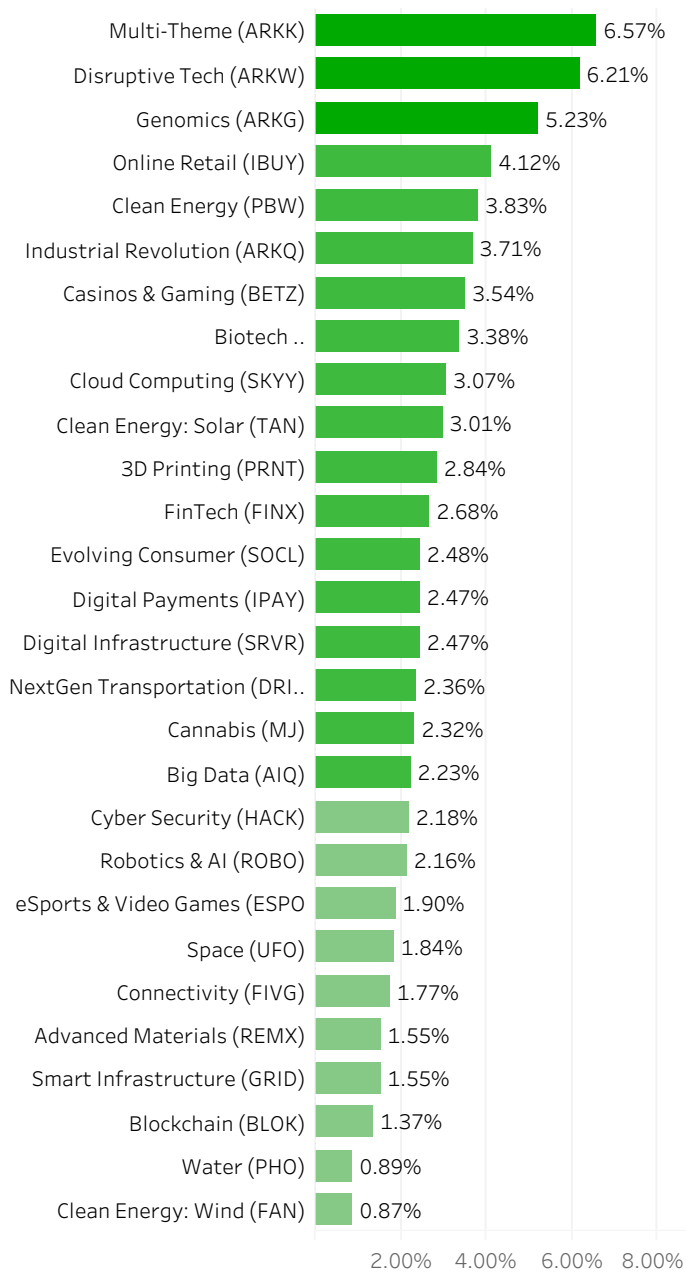
Multi-Sector



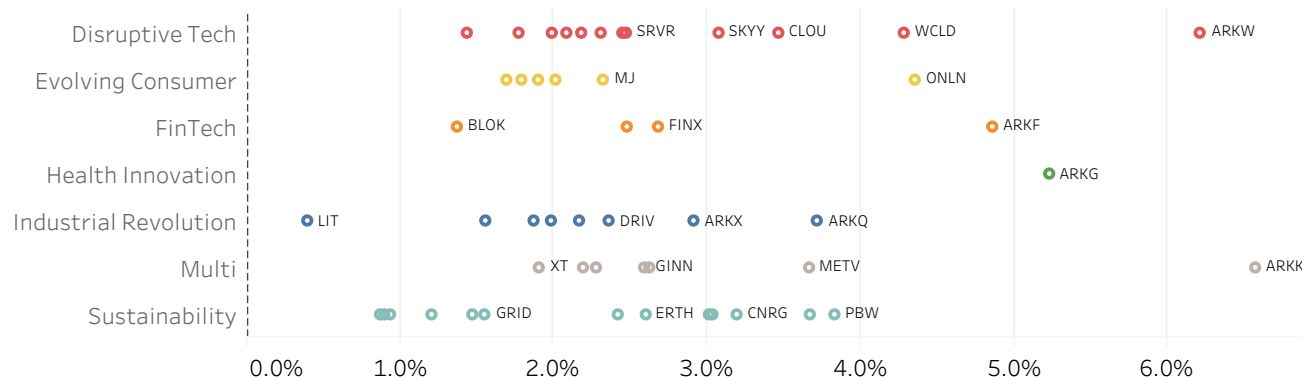
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## Global Thematic Segment 1-Day Performance



## Global Thematic 1-Day Performance Landscape



## Global Thematic 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
ARKK	ARK Innovation ETF	6.57%
ARKW	ARK Next Generation Internet ETF	6.21%
ARKG	ARK Genomic Revolution ETF	5.23%
ARKF	ARK Fintech Innovation ETF	4.86%
ONLN	ProShares Online Retail ETF	4.35%
WCLD	WisdomTree Cloud Computing Fund	4.28%
IBUY	Amplify Online Retail ETF	4.12%
GNOM	Global X Genomics & Biotechnology ETF	3.83%
PBW	Invesco WilderHill Clean Energy ETF	3.83%
XITK	SPDR FactSet Innovative Technology ETF	3.79%

## Thematic Most Overbought

Ticker	Fund	Price
KGRN	KraneShares MSCI China Clean Technology Index ETF	59.19
KWEB	KraneShares CSI China Internet ETF	58.80
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	54.47
KSTR	KraneShares SSE STAR Market 50 Index ETF	54.09
LIT	Global X Lithium & Battery Tech ETF	50.06
TAN	Invesco Solar ETF	49.88
KARS	KraneShares Electric Vehicles & Future Mobility Index ETF	48.74
BATT	Amplify Lithium & Battery Technology ETF	47.01
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	46.14
ONLN	ProShares Online Retail ETF	45.73

## Global Thematic 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
VPN	Global X Data Center REITs & Digital Infrastructure ETF	-0.07%
LIT	Global X Lithium & Battery Tech ETF	0.39%
EVX	VanEck Environmental Services ETF	0.82%
FAN	First Trust Global Wind Energy ETF	0.87%
PHO	Invesco Water Resources ETF	0.89%
FIW	First Trust Water ETF	0.93%
CGW	Invesco S&P Global Water Index ETF	1.20%
BLCN	Siren ETF Trust Siren Nasdaq NexGen Economy ETF	1.23%
HERO	Global X Video Games & Esports ETF	1.25%
KGRN	KraneShares MSCI China Clean Technology Index ETF	1.30%

## Thematic Most Oversold

Ticker	Fund	Price
YOLO	AdvisorShares Pure Cannabis ETF	25.05
BLOK	Amplify Transformational Data Sharing ETF	29.95
BITQ	Bitwise Crypto Industry Innovators ETF	30.33
MJ	ETFMG Alternative Harvest ETF	30.55
VPN	Global X Data Center REITs & Digital Infrastructure ETF	30.99
MSOS	AdvisorShares Pure US Cannabis ETF	31.04
CGW	Invesco S&P Global Water Index ETF	31.16
FIW	First Trust Water ETF	32.64
EVX	VanEck Environmental Services ETF	33.03
BLCN	Siren ETF Trust Siren Nasdaq NexGen Economy ETF	33.42

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## Thematic 1 Week Flow Leaders

Ticker	Fund	
KWEB	KraneShares CSI China Internet ETF	\$469M
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure Index	\$34M
ARKG	ARK Genomic Revolution ETF	\$17M
TARK	AXS 2X Innovation ETF	\$10M
ACES	ALPS Clean Energy ETF	\$8M
MSOS	AdvisorShares Pure US Cannabis ETF	\$8M
ARKF	ARK Fintech Innovation ETF	\$6M
KOMP	SPDR S&P Kensho New Economies Composite ETF	\$4M
BKCH	Global X Blockchain ETF	\$3M
BITQ	Bitwise Crypto Industry Innovators ETF	\$2M

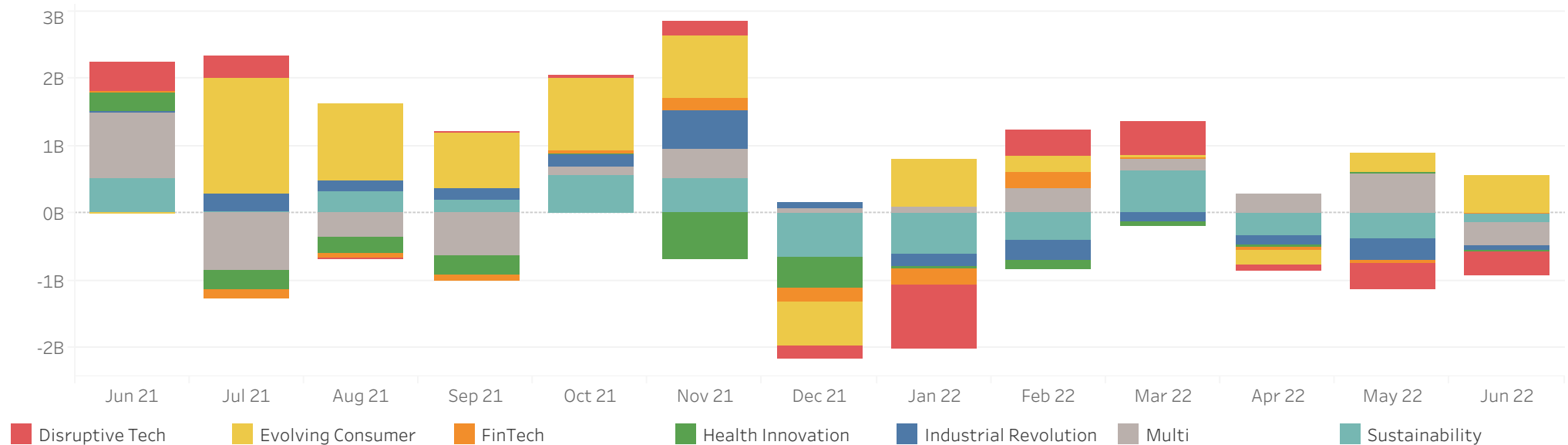
## Thematic 1 Week Flow Laggards

Ticker	Fund	
ARKK	ARK Innovation ETF	(\$122M)
SKYY	First Trust Cloud Computing ETF	(\$36M)
CIBR	First Trust NASDAQ Cybersecurity ETF	(\$27M)
ARKW	ARK Next Generation Internet ETF	(\$27M)
SRVR	Pacer Benchmark Data & Infrastructure Real Estate SCTR ETF	(\$20M)
TAN	Invesco Solar ETF	(\$19M)
ICLN	iShares Global Clean Energy ETF	(\$16M)
REMX	VanEck Rare Earth/Strategic Metals ETF	(\$14M)
LIT	Global X Lithium & Battery Tech ETF	(\$12M)
IPAY	ETFMG Prime Mobile Payments ETF	(\$11M)

## Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	35	\$17B	(\$130M)	(\$689M)	(\$1,412M)	(\$63M)
Evolving Consumer	48	\$12B	\$240M	\$1,360M	\$964M	\$6,628M
FinTech	24	\$3B	\$2M	(\$35M)	(\$257M)	(\$314M)
Health Innovation	19	\$3B	\$5M	\$35M	(\$557M)	(\$1,891M)
Industrial Revolution	32	\$12B	(\$47M)	(\$598M)	(\$1,219M)	\$287M
Multi	42	\$14B	(\$138M)	\$242M	\$551M	\$908M
Sustainability	41	\$16B	(\$21M)	(\$812M)	(\$1,634M)	\$273M
Grand Total	241	\$77B	(\$88M)	(\$498M)	(\$3,564M)	\$5,827M

## Thematic Monthly Flows



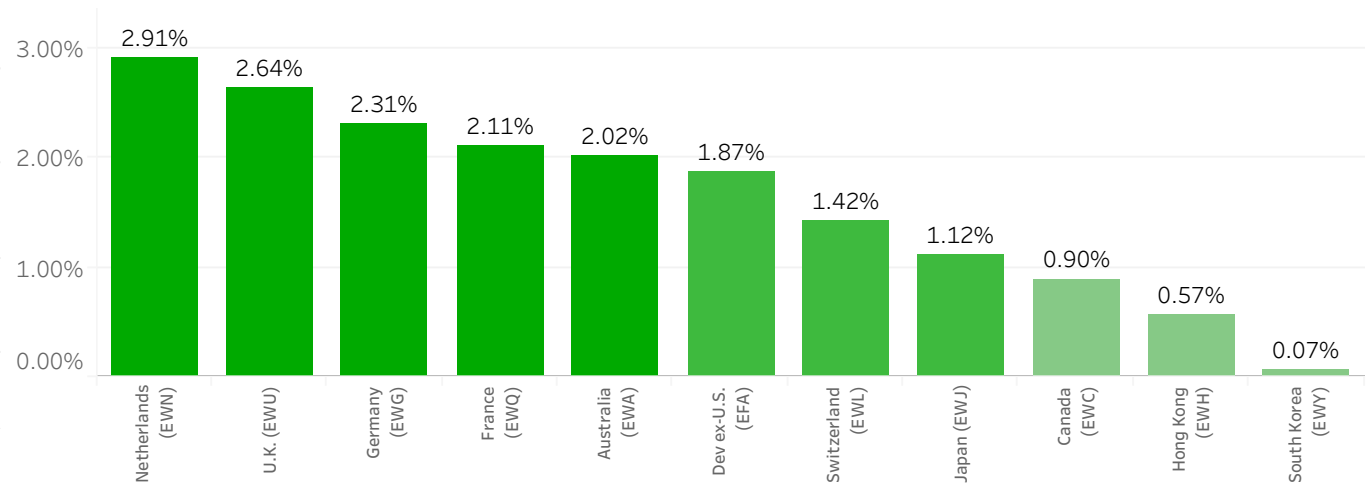
\* ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day



Developed ex-U.S. (EFA)



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



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



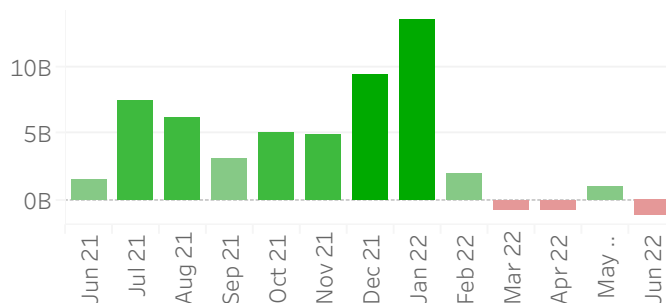
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EWUS	iShares MSCI United Kingdom Small Cap ETF	3.99%
GREK	Global X MSCI Greece ETF	3.91%
FKU	First Trust United Kingdom AlphaDEX Fund	3.75%
EWI	iShares MSCI Italy ETF	3.63%
FLGB	Franklin FTSE United Kingdom ETF	2.95%
EWN	iShares MSCI Netherlands ETF	2.91%
IEUS	iShares MSCI Europe Small-Cap ETF	2.90%
EIS	iShares MSCI Israel ETF	2.67%
ISRA	VanEck Israel ETF	2.66%
DFE	WisdomTree Europe SmallCap Dividend Fund	2.66%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
AIA	iShares Asia 50 ETF	49.19
AAXJ	iShares MSCI All Country Asia ex Japan ETF	47.42
DXJ	WisdomTree Japan Hedged Equity Fund	45.20
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	42.24
EWJ	iShares MSCI Hong Kong ETF	42.13
HEWJ	iShares Currency Hedged MSCI Japan ETF	41.51
HEZU	iShares Currency Hedged MSCI Eurozone ETF	39.44
FLGB	Franklin FTSE United Kingdom ETF	39.20
DFJ	WisdomTree Japan SmallCap Dividend Fund	39.16
GREK	Global X MSCI Greece ETF	38.91

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
DXJ	WisdomTree Japan Hedged Equity Fund	-0.17%
HEWJ	iShares Currency Hedged MSCI Japan ETF	-0.08%
PTIN	Pacer Trendpilot International ETF	-0.06%
EWY	iShares MSCI South Korea ETF	0.07%
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	0.13%
CIL	VictoryShares International Volatility Wtd ETF	0.14%
FLKR	Franklin FTSE South Korea ETF	0.21%
ISDX	Invesco RAFI Strategic Developed ex-US ETF	0.36%
EWH	iShares MSCI Hong Kong ETF	0.57%
BBCA	JPMorgan BetaBuilders Canada ETF	0.69%

Developed ex-U.S. Most Oversold

Ticker	Fund	Value
ENZL	iShares MSCI New Zealand ETF	26.28
WPS	iShares International Developed Property ETF	26.43
EWL	iShares MSCI Switzerland ETF	27.59
EFAV	iShares MSCI EAFE Min Vol Factor ETF	29.20
EWA	iShares MSCI Australia ETF	29.93
QLVD	FlexShares Developed Markets ex-US Quality Low V..	30.47
SCJ	iShares MSCI Japan Small-Cap ETF	31.09
EPP	iShares MSCI Pacific ex-Japan ETF	31.91
IPAC	iShares Core MSCI Pacific ETF	31.92
IDLV	Invesco S&P International Developed Low Volatility ..	31.94

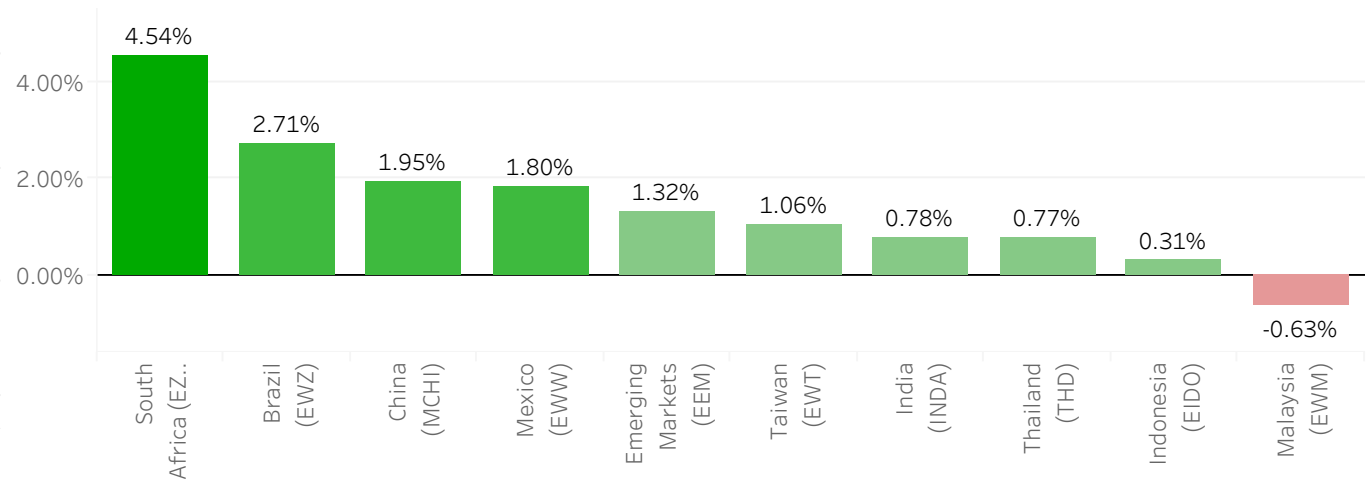
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Emerging (EEM)



Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



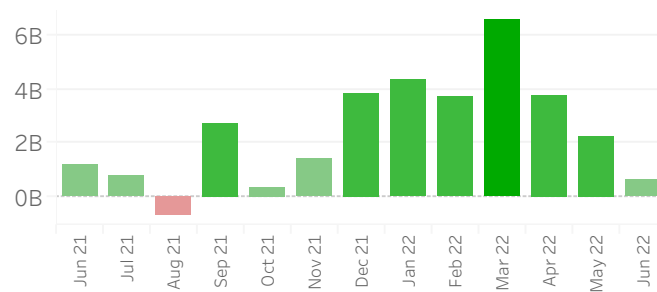
Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
EZA	iShares MSCI South Africa ETF	4.54%
EWZS	iShares MSCI Brazil Small-Cap ETF	4.35%
KBA	KraneShares Boser MSCI China A 50 Connect Index ETF	3.89%
RAYC	Rayliant Quantamental China Equity ETF	3.67%
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	3.46%
CNYA	iShares MSCI China A ETF	3.11%
FLBR	Franklin FTSE Brazil ETF	2.72%
EWZ	iShares MSCI Brazil ETF	2.71%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	2.66%
ECNS	iShares MSCI China Small-Cap ETF	2.29%

Emerging Most Overbought

Ticker	Fund	Price
RAYC	Rayliant Quantamental China Equity ETF	64.67
CNYA	iShares MSCI China A ETF	63.95
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	63.17
KBA	KraneShares Boser MSCI China A 50 Connect Index E..	62.42
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	59.80
FLCH	Franklin FTSE China ETF	58.58
GXC	SPDR S&P China ETF	58.36
PGJ	Invesco Golden Dragon China ETF	58.09
MCHI	iShares MSCI China ETF	57.47
FXI	iShares China Large-Cap ETF	57.29

Emerging Monthly Flows



Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
EPHE	iShares MSCI Philippines ETF	-1.12%
EWM	iShares MSCI Malaysia ETF	-0.63%
AFK	VanEck Africa Index ETF	0.12%
QAT	iShares MSCI Qatar ETF	0.19%
IDX	VanEck Indonesia Index ETF	0.30%
EIDO	iShares MSCI Indonesia ETF	0.31%
EYLD	Cambria Emerging Shareholder Yield ETF	0.59%
DGRE	WisdomTree Emerging Markets Quality Dividend Growt..	0.69%
NUEM	Nuveen ESG Emerging Markets Equity ETF	0.76%
THD	iShares MSCI Thailand ETF	0.77%

Emerging Most Oversold

Ticker	Fund	Price
EWM	iShares MSCI Malaysia ETF	23.19
FM	iShares MSCI Frontier and Select EM ETF	25.13
EPHE	iShares MSCI Philippines ETF	25.92
AFK	VanEck Africa Index ETF	29.31
DVYE	iShares Emerging Markets Dividend ETF	29.92
ILF	iShares Latin America 40 ETF	31.14
EWW	iShares MSCI Mexico ETF	31.35
EWZ	iShares MSCI Brazil ETF	31.37
QAT	iShares MSCI Qatar ETF	31.44
VNM	VanEck Vietnam ETF	31.61

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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	1.11%	-2.16%	-11.54%
SHY	1-3 Year Treasury Bonds	0.39%	-0.95%	-3.58%
IEF	7-10 Year Treasury Bonds	1.40%	-2.89%	-12.99%
TLT	20+ Year Treasury Bonds	1.87%	-4.26%	-24.62%
TIP	TIPS Bonds	1.38%	-1.99%	-8.16%
FLOT	Floating Rate Bonds	-0.46%	-1.15%	-1.47%
LQD	Investment Grade Corporate	1.56%	-2.06%	-16.79%
HYG	High Yield Corporate	1.94%	-1.96%	-12.13%
BKLN	Senior Loan	0.24%	-1.09%	-5.10%
PFF	Preferred & Income Securities	2.21%	-0.52%	-15.25%
MUB	Municipal Bonds	0.20%	0.34%	-8.78%
MBB	MBS	1.01%	-2.82%	-10.59%
EMB	Dollar Denominated EM Bonds	2.99%	-1.76%	-18.33%
LEMB	Local Currency EM Bond	1.57%	0.67%	-12.49%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	1.38%	1.43%	36.10%
DBE	Energy	-0.47%	11.00%	71.90%
USO	WTI Crude Oil	-1.72%	6.95%	59.92%
BNO	Brent Crude Oil	-1.67%	8.51%	65.81%
UNG	Natural Gas	2.95%	-3.12%	103.76%
UGA	Gasoline	-3.21%	2.37%	75.85%
DBP	Precious Metals	1.62%	1.24%	-2.34%
GLD	Gold	1.31%	1.17%	-0.11%
SLV	Silver	3.05%	2.78%	-7.21%
PPLT	abrdn Physical Platin..	2.56%	0.13%	-2.54%
PALL	abrdn Physical Palla..	2.61%	-3.73%	-2.07%
DBB	Base Metals	1.97%	-1.63%	-2.25%
CPER	Copper	0.76%	0.00%	-7.20%
LD	Lead	-2.71%	-1.52%	-7.95%
JJN	Nickel	2.99%	-5.87%	25.52%
JJU	Aluminum	5.41%	-7.40%	-5.79%
JJT	Tin	2.65%	-3.84%	-16.03%
DBA	Agriculture	0.05%	-2.12%	9.92%
CORN	Corn	0.42%	-2.25%	33.01%
SOYB	Soybeans	0.21%	1.54%	24.40%
WEAT	Wheat	0.19%	-7.30%	46.01%
CANE	Sugar	-1.58%	-2.50%	1.85%
BAL	Cotton	-0.79%	-7.66%	28.54%
NIB	Cocoa	1.32%	-5.96%	-12.02%
JO	Coffee	0.13%	6.76%	2.02%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	-0.78%	-0.11%	9.01%
UDN	Short Dollar	0.74%	0.00%	-9.04%
FXE	Euro	0.35%	0.37%	-8.56%
FXB	British Pound Sterling	1.68%	-0.47%	-9.98%
FXF	Swiss Franc	0.69%	0.75%	-8.78%
FXJ	Japanese Yen	1.10%	-3.29%	-14.07%
FXC	Canadian Dollar	0.52%	0.17%	-2.13%
FXA	Australian Dollar	2.03%	1.06%	-3.79%

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