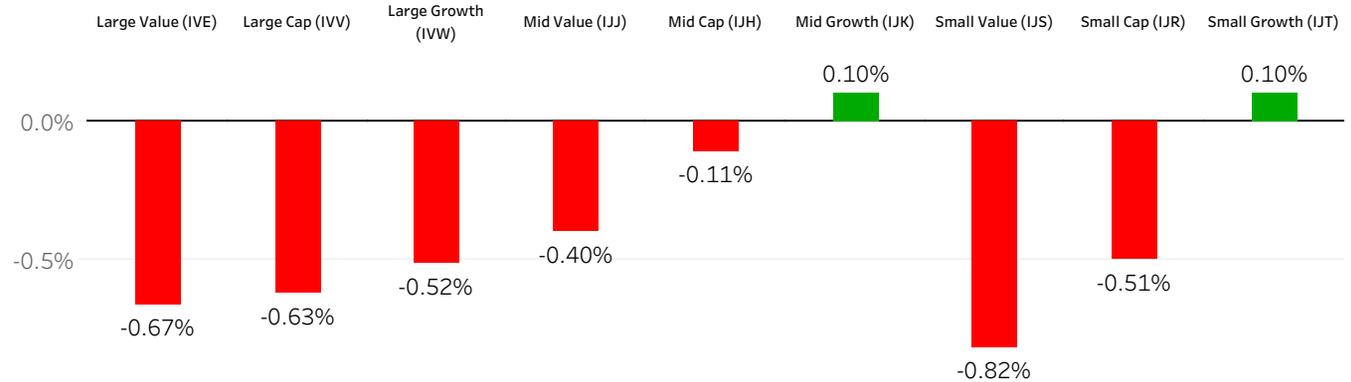


Large Cap Blend (S&P 500) IVV



U.S. Size & Style 1-Day Performance



Mid Cap Blend (S&P 400) IJH



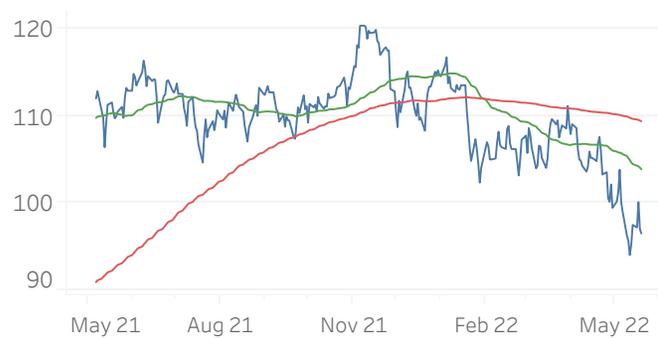
Size & Style 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
IPO	Renaissance IPO ETF	4.72%
NUMG	Nuveen ESG Mid-Cap Growth ETF	1.62%
VOT	Vanguard Mid-Cap Growth ETF	1.58%
BUZZ	VanEck Social Sentiment ETF	1.56%
MMLG	First Trust Multi-Manager Large Growth ETF	1.45%
TMFM	Motley Fool Mid-Cap Growth ETF	1.42%
FPX	First Trust US Equity Opportunities ETF	1.42%
IWP	iShares Russell Mid-Cap Growth ETF	1.40%
QQQN	VictoryShares Nasdaq Next 50 ETF	1.14%
BIBL	Inspire 100 ESG ETF	1.12%

Size & Style Most Overbought

Ticker	Fund	Value
RBUS	Nationwide Risk-Based U.S. Equity ETF	48.65
FDL	First Trust Morningstar Dividend Leaders Index Fund	46.79
ONOF	Global X Adaptive U.S. Risk Management ETF	46.79
WBIY	WBI Power Factor High Dividend ETF	45.79
DHS	WisdomTree U.S. High Dividend Fund	45.30
PEY	Invesco High Yield Equity Dividend Achievers ETF	45.16
CSD	Invesco S&P Spin-Off ETF	45.15
DDIV	First Trust Dorsey Wright Momentum & Dividend ETF	44.51
RZV	Invesco S&P Smallcap 600 Pure Value ETF	44.44
DIVZ	TrueShares Low Volatility Equity Income ETF	44.40

Small Cap Blend (S&P 600) IJR



Size & Style 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
SIXA	ETC 6 Meridian Mega Cap Equity ETF	-4.56%
CLRG	IQ Chaikin U.S. Large Cap ETF	-4.13%
QVMM	Invesco S&P MidCap 400 QVM Multi-factor ETF	-3.89%
SIXS	ETC 6 Meridian Small Cap Equity ETF	-3.71%
SIXL	ETC 6 Meridian Low Beta Equity ETF	-3.02%
PABU	iShares Paris-Aligned Climate MSCI USA ETF	-2.93%
QVML	Invesco S&P 500 QVM Multi-factor ETF	-2.57%
NZUS	SPDR MSCI USA Climate Paris Aligned ETF	-2.07%
DGRW	WisdomTree US Quality Dividend Growth Fund	-1.51%
SCHD	Schwab US Dividend Equity ETF	-1.48%

Size & Style Most Oversold

Ticker	Fund	Value
PABU	iShares Paris-Aligned Climate MSCI USA ETF	16.82
NZUS	SPDR MSCI USA Climate Paris Aligned ETF	19.61
QVML	Invesco S&P 500 QVM Multi-factor ETF	27.58
ACSI	American Customer Satisfaction ETF	28.37
DVOL	First Trust Dorsey Wright Momentum & Low Volatili..	29.32
MXDU	Nationwide Maximum Diversification US Core Equit..	30.14
GUSA	Goldman Sachs MarketBeta U.S. 1000 Equity ETF	30.84
PTNQ	Pacer Trendpilot 100 ETF	30.88
QLV	FlexShares US Quality Low Volatility Index Fund	31.79
SPC	CrossingBridge Pre-Merger SPAC ETF	32.19

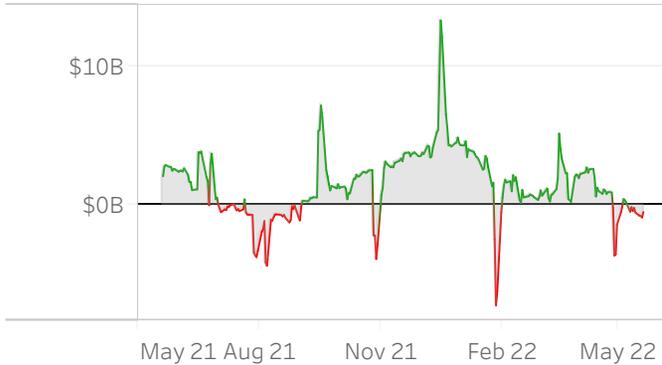
■ Closing Price    ■ 50 Day Moving Average    ■ 200 Day Moving Average

\* 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	\$1,158B	\$5.43B	\$0.70B	\$38.72B	\$126.75B
Large Cap, Beta Growth, Beta: Growth	10	\$209B	\$0.78B	\$5.23B	\$7.22B	\$15.56B
Large Cap, Beta Growth, Beta: Value	11	\$214B	\$0.92B	\$4.01B	\$16.78B	\$26.45B
Mid Cap, Beta, Beta	10	\$169B	\$0.04B	\$2.27B	\$7.27B	\$10.75B
Mid Cap, Beta, Beta: Growth	6	\$30B	\$0.10B	(\$0.16B)	(\$0.72B)	(\$0.26B)
Mid Cap, Beta, Beta: Value	6	\$39B	(\$0.06B)	(\$0.90B)	(\$0.22B)	(\$0.20B)
Small Cap, Beta, Beta	13	\$184B	(\$2.54B)	(\$3.93B)	(\$3.25B)	\$8.54B
Small Cap, Beta, Beta: Growth	7	\$29B	\$0.20B	\$0.44B	\$0.82B	\$1.43B
Small Cap, Beta, Beta: Value	7	\$50B	\$0.78B	(\$3.47B)	(\$2.31B)	(\$2.12B)

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

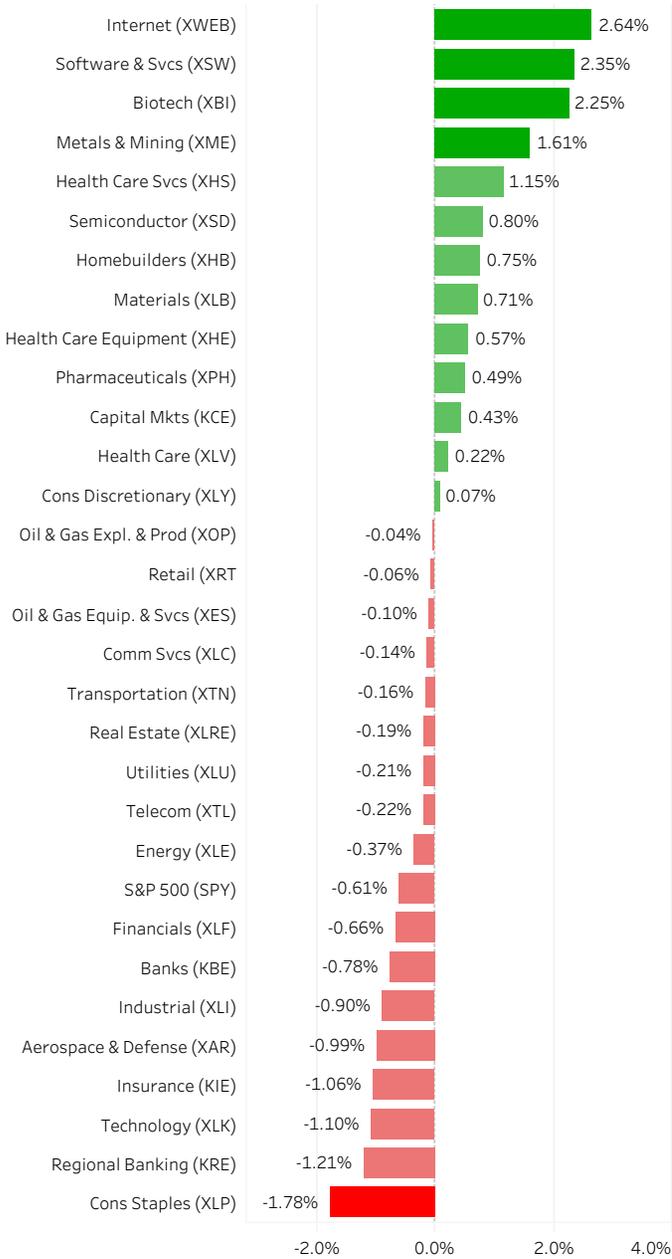
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IVV	iShares Core S&P 500 ETF	\$4.84B	(\$3.39B)	\$10.90B	\$24.81B	\$283.26B
HDV	iShares Core High Dividend ETF	\$1.46B	\$3.10B	\$3.67B	\$4.06B	\$11.64B
QQQ	Invesco QQQ Trust	\$1.05B	\$6.55B	\$7.58B	\$25.38B	\$158.99B
IJS	iShares S&P Small-Cap 600 Value ETF	\$0.96B	(\$0.35B)	(\$0.06B)	(\$0.32B)	\$8.00B
SPLV	Invesco S&P 500 Low Volatility ETF	\$0.60B	\$1.48B	\$1.67B	\$0.22B	\$10.43B
VTV	Vanguard Value ETF	\$0.52B	\$3.38B	\$11.90B	\$17.96B	\$97.49B
IWF	iShares Russell 1000 Growth ETF	\$0.49B	\$0.76B	\$0.66B	\$0.45B	\$58.30B
VOO	Vanguard S&P 500 ETF	\$0.40B	(\$2.02B)	\$15.02B	\$39.94B	\$245.44B
RSP	Invesco S&P 500 Equal Weight ETF	\$0.36B	\$0.91B	\$3.51B	\$4.49B	\$30.59B
SCHD	Schwab US Dividend Equity ETF	\$0.32B	\$1.72B	\$5.69B	\$10.62B	\$34.85B

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

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IWM	iShares Russell 2000 ETF	(\$1.31B)	(\$1.69B)	(\$5.29B)	(\$1.59B)	\$51.51B
IJR	iShares Core S&P Small Cap ETF	(\$1.24B)	(\$0.65B)	\$0.92B	\$2.78B	\$62.94B
SPY	SPDR S&P 500 ETF Trust	(\$0.79B)	(\$1.24B)	(\$0.87B)	\$22.71B	\$352.25B
VLUE	iShares MSCI USA Value Factor ETF	(\$0.71B)	(\$1.78B)	(\$4.28B)	(\$5.15B)	\$10.34B
ESGU	iShares ESG Aware MSCI USA ETF	(\$0.44B)	\$1.10B	\$2.29B	\$7.21B	\$21.92B
SPLG	SPDR Portfolio S&P 500 ETF	(\$0.26B)	\$0.47B	\$1.59B	\$3.74B	\$12.82B
VTI	Vanguard Total Stock Market ETF	(\$0.21B)	\$5.50B	\$17.52B	\$39.21B	\$252.40B
VTWO	Vanguard Russell 2000 ETF	(\$0.18B)	(\$0.36B)	\$0.27B	\$1.78B	\$5.47B
IWN	iShares Russell 2000 Value ETF	(\$0.15B)	(\$1.69B)	(\$1.87B)	(\$3.07B)	\$12.03B
USMV	iShares MSCI USA Min Vol Factor ETF	(\$0.14B)	\$0.04B	(\$0.32B)	(\$1.37B)	\$26.07B

\* 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	-2.92%	77.81%	4.84%	29.07%	55.68
XLU	Utilities Select Sector SPDR Fund	-7.04%	13.14%	-2.23%	3.37%	45.14
XLB	Materials Select Sector SPDR Fund	-8.82%	4.44%	-4.16%	-3.38%	43.69
XLV	Health Care Select Sector SPDR Fund	-10.23%	5.68%	-4.52%	-3.62%	42.53
XLP	Consumer Staples Select Sector SPDR Fund	-12.44%	2.54%	-7.79%	-4.87%	27.03
XLI	Industrial Select Sector SPDR Fund	-15.31%	0.00%	-8.13%	-10.83%	34.79
SPY	SPDR S&P 500 ETF Trust	-18.47%	0.00%	-9.45%	-12.72%	35.61
XLRE	Real Estate Select Sector SPDR Fund	-19.20%	0.31%	-10.76%	-11.48%	32.13
XLF	Financial Select Sector SPDR Fund	-20.38%	0.00%	-9.96%	-14.11%	34.84
XLK	Technology Select Sector SPDR Fund	-25.97%	0.00%	-11.34%	-16.87%	37.80
XLV	Consumer Discretionary Select Sector SPDR Fund	-32.41%	0.07%	-16.86%	-23.09%	32.02
XLC	Communication Services Select Sector SPDR Fund	-32.75%	1.46%	-10.11%	-22.07%	39.59

### Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
PSJ	Invesco Dynamic Software ETF	2.56%
XSW	SPDR S&P Software & Services ETF	2.35%
XBI	SPDR S&P BIOTECH ETF	2.25%
IGV	iShares Expanded Tech-Software Sector ETF	1.73%
XME	SPDR S&P Metals & Mining ETF	1.61%
PBE	Invesco Dynamic Biotechnology & Genome ETF	1.48%
PNQI	Invesco NASDAQ Internet ETF	1.33%
IBB	iShares Biotechnology ETF	1.29%
QTEC	First Trust NASDAQ-100 Technology Sector Index ..	1.28%
XHS	SPDR S&P Health Care Services ETF	1.15%

### Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
XLE	Energy Select Sector SPDR Fund	55.68
IYE	iShares U.S. Energy ETF	54.66
VDE	Vanguard Energy ETF	54.57
FENY	Fidelity MSCI Energy Index ETF	54.42
RYE	Invesco S&P 500 Equal Weight Energy ETF	54.28
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	53.99
FXN	First Trust Energy AlphaDEX Fund	53.03
PXE	Invesco Dynamic Energy Exploration & Production ETF	52.98
FTXN	First Trust Nasdaq Oil & Gas ETF	51.81
FXU	First Trust Utilities AlphaDEX Fund	51.61

### Sector & Industry 1 Day Performance Laggards

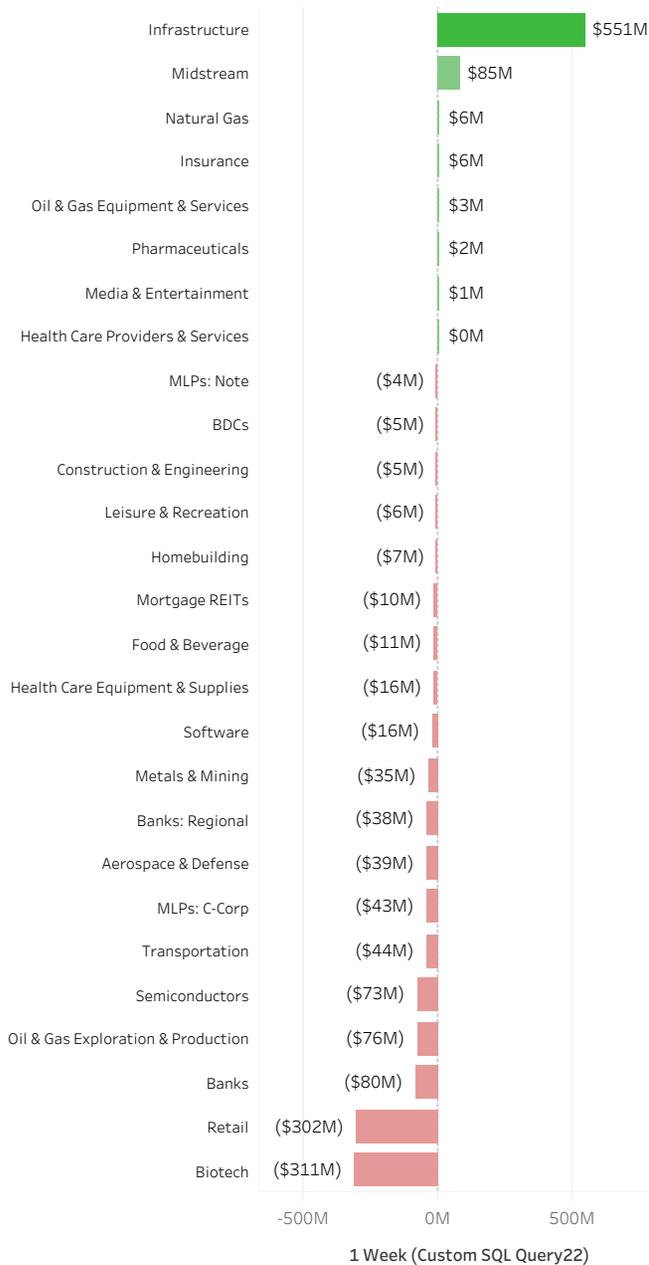
Ticker	Fund	1 Day Performance
IYZ	iShares U.S. Telecommunications ETF	-2.38%
IGN	iShares North American Tech-Multimedia Networking ..	-2.11%
IYT	iShares US Transportation ETF	-1.83%
XLP	Consumer Staples Select Sector SPDR Fund	-1.78%
IYK	iShares U.S. Consumer Staples ETF	-1.77%
KBWP	Invesco KBW Property & Casualty Insurance ETF	-1.67%
KBWY	Invesco KBW Premium Yield Equity REIT ETF	-1.61%
VDC	Vanguard Consumer Staples ETF	-1.60%
FSTA	FIDELITY COVINGTON TRUST MSCI CONSUMER STAPL..	-1.58%
RHS	Invesco S&P 500 Equal Weight Consumer Staples ETF	-1.55%

### Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
FSTA	FIDELITY COVINGTON TRUST MSCI CONSUMER STAPLES I..	26.41
VDC	Vanguard Consumer Staples ETF	26.51
XLP	Consumer Staples Select Sector SPDR Fund	27.03
PBJ	Invesco Dynamic Food & Beverage ETF	27.70
INDS	Pacer Benchmark Industrial Real Estate SCTR ETF	28.54
NURE	Nuveen Short-Term REIT ETF	29.21
RHS	Invesco S&P 500 Equal Weight Consumer Staples ETF	29.41
REZ	iShares Residential and Multisector Real Estate ETF	29.55
RWR	SPDR Dow Jones REIT ETF	30.27
PPTY	US Diversified Real Estate ETF	31.11

\* 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	\$14B	\$310M	(\$572M)	(\$1,627M)	\$77M
Consumer Discretionary	13	\$22B	(\$665M)	(\$2,510M)	(\$4,523M)	(\$4,610M)
Consumer Staples	12	\$26B	(\$196M)	\$2,427M	\$6,261M	\$6,652M
Energy	34	\$79B	(\$246M)	(\$1,706M)	\$4,680M	\$4,168M
Financials	28	\$62B	(\$1,543M)	(\$14,567M)	(\$7,714M)	(\$8,465M)
Health Care	26	\$85B	\$41M	\$4,046M	\$7,291M	\$11,179M
Industrial	14	\$29B	\$78M	(\$319M)	(\$1,580M)	(\$5,825M)
Materials	10	\$17B	(\$194M)	\$1,140M	\$821M	(\$575M)
Multi-Sector	18	\$15B	\$489M	(\$2,811M)	(\$4,071M)	(\$3,285M)
Real Estate	23	\$68B	(\$306M)	(\$3,282M)	\$112M	\$8,130M
Technology	24	\$117B	\$238M	\$830M	\$616M	\$6,307M
Utilities	10	\$25B	(\$84M)	\$2,298M	\$3,538M	\$4,296M

## U.S. Sector & Industry Flow Leaders

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IFRA	iShares U.S. Infrastructure ETF	\$571M	\$658M	\$722M	\$900M	\$1,457M
VGT	Vanguard Information Technology ETF	\$400M	\$1,011M	\$228M	\$2,094M	\$41,435M
XLV	Health Care Select Sector SPDR Fund	\$356M	\$3,779M	\$5,502M	\$8,553M	\$36,840M
XLC	Communication Services Select Sector SPDR Fu..	\$351M	(\$371M)	(\$1,215M)	(\$364M)	\$9,693M
XLI	Industrial Select Sector SPDR Fund	\$185M	(\$1,403M)	(\$1,970M)	(\$4,904M)	\$13,670M
XLE	Energy Select Sector SPDR Fund	\$128M	(\$2,405M)	\$795M	\$761M	\$39,332M
EMLP	First Trust North American Energy Infrastructu..	\$71M	\$211M	\$244M	\$304M	\$2,563M
IYK	iShares U.S. Consumer Staples ETF	\$62M	\$307M	\$508M	\$500M	\$1,230M
VDE	Vanguard Energy ETF	\$48M	(\$501M)	(\$115M)	\$168M	\$8,277M
VPU	Vanguard Utilities ETF	\$47M	(\$53M)	\$283M	\$483M	\$5,718M

## U.S. Sector & Industry Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLF	Financial Select Sector SPDR Fund	(\$1,059M)	(\$8,742M)	(\$4,509M)	(\$6,390M)	\$32,825M
IYE	iShares U.S. Energy ETF	(\$463M)	(\$151M)	(\$87M)	(\$124M)	\$3,384M
XBI	SPDR S&P BIOTECH ETF	(\$350M)	\$593M	\$1,848M	\$2,564M	\$5,307M
IYG	iShares US Financial Services ETF	(\$329M)	(\$437M)	(\$400M)	\$6M	\$1,723M
XRT	SPDR S&P Retail ETF	(\$302M)	(\$220M)	(\$831M)	(\$180M)	\$204M
XLP	Consumer Staples Select Sector SPDR Fund	(\$287M)	\$626M	\$3,711M	\$3,897M	\$15,055M
XLY	Consumer Discretionary Select Sector SPDR Fu..	(\$217M)	(\$609M)	(\$1,639M)	(\$1,643M)	\$14,840M
IYR	iShares U.S. Real Estate ETF	(\$202M)	(\$2,162M)	(\$1,663M)	(\$257M)	\$4,366M
XLU	Utilities Select Sector SPDR Fund	(\$195M)	\$1,375M	\$2,200M	\$2,677M	\$15,499M
IYC	iShares U.S. Consumer Discretionary ETF	(\$130M)	(\$97M)	(\$279M)	(\$503M)	\$783M

\* 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



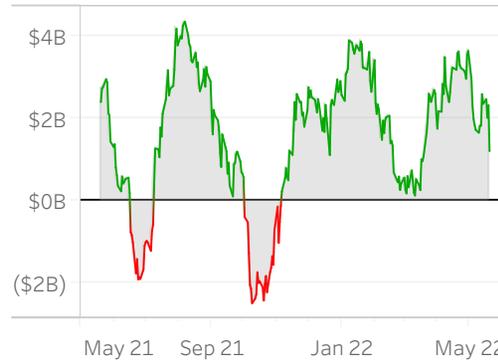
Financials



Industrial



Health Care



Materials



Real Estate



Technology



Utilities

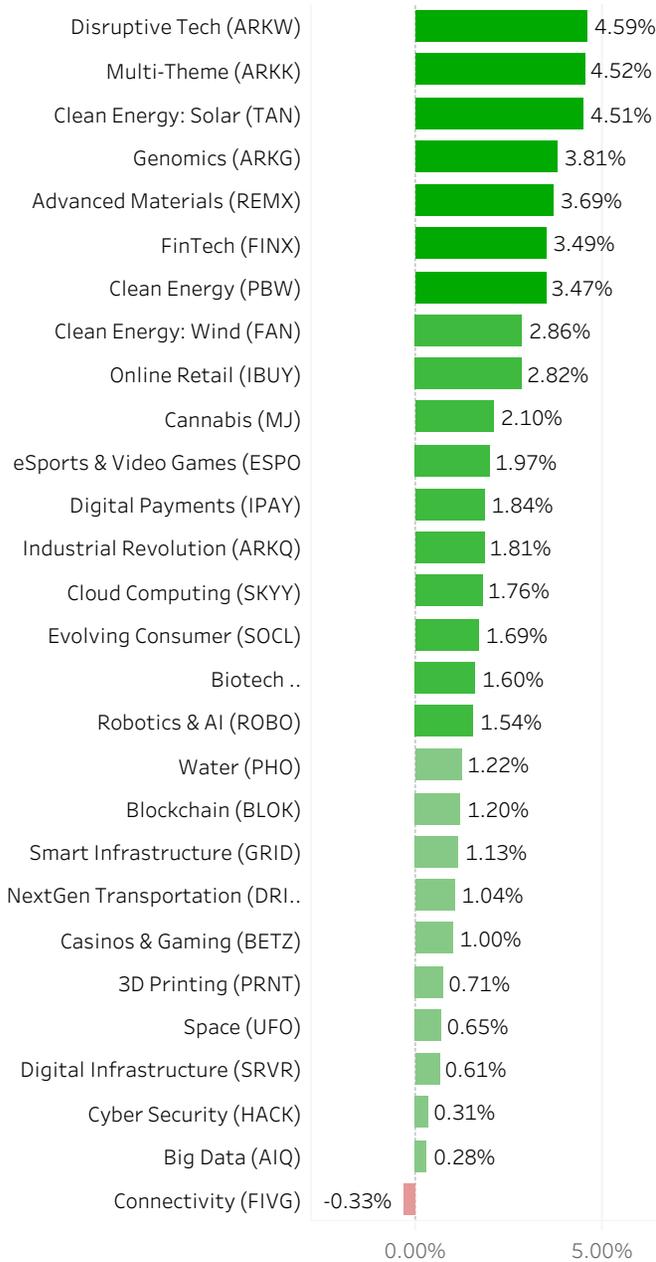


Multi-Sector

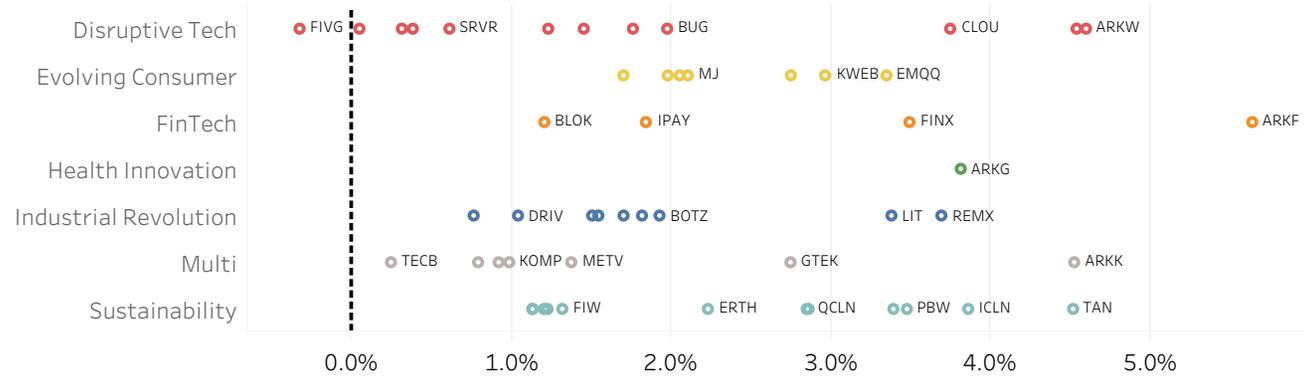


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## Global Thematic Segment 1-Day Performance



## Global Thematic 1-Day Performance Landscape



## Global Thematic 1-Day Performance Leaders

Ticker	Fund	Performance
ARKF	ARK Fintech Innovation ETF	5.63%
KSTR	KraneShares SSE STAR Market 50 Index ETF	4.91%
ARKW	ARK Next Generation Internet ETF	4.59%
WCLD	WisdomTree Cloud Computing Fund	4.53%
ARKK	ARK Innovation ETF	4.52%
TAN	Invesco Solar ETF	4.51%
KGRN	KraneShares MSCI China Clean Technology Index ETF	4.50%
BKCH	Global X Blockchain ETF	4.40%
CTEC	Global X CleanTech ETF	4.20%
PBD	Invesco Global Clean Energy ETF	3.96%

## Thematic Most Overbought

Ticker	Fund	Value
KGRN	KraneShares MSCI China Clean Technology Index ETF	58.21
KSTR	KraneShares SSE STAR Market 50 Index ETF	57.72
LIT	Global X Lithium & Battery Tech ETF	57.10
TAN	Invesco Solar ETF	52.71
KWEB	KraneShares CSI China Internet ETF	52.12
CNRG	SPDR S&P Kensho Clean Power ETF	50.93
REMX	VanEck Rare Earth/Strategic Metals ETF	50.72
HERO	Global X Video Games & Esports ETF	50.67
FAN	First Trust Global Wind Energy ETF	50.35
KARS	KraneShares Electric Vehicles & Future Mobility Index ETF	50.23

## Global Thematic 1-Day Performance Laggards

Ticker	Fund	Performance
GBUY	Goldman Sachs Future Consumer Equity ETF	-1.16%
FIVG	Defiance Next Gen Connectivity ETF	-0.33%
NXTG	First Trust Indxx NextG ETF	0.04%
TECB	iShares U.S. Tech Breakthrough Multisector ETF	0.24%
AIQ	Global X Artificial Intelligence & Technology ETF	0.28%
HACK	ETFMG Prime Cyber Security ETF	0.31%
EVX	VanEck Environmental Services ETF	0.32%
AGNG	Global X Aging Population ETF	0.37%
CIBR	First Trust NASDAQ Cybersecurity ETF	0.38%
QTUM	Defiance Quantum ETF	0.47%

## Thematic Most Oversold

Ticker	Fund	Value
BKCH	Global X Blockchain ETF	30.81
GBUY	Goldman Sachs Future Consumer Equity ETF	31.16
BITQ	Bitwise Crypto Industry Innovators ETF	31.80
CIBR	First Trust NASDAQ Cybersecurity ETF	31.98
HACK	ETFMG Prime Cyber Security ETF	32.19
YOLO	AdvisorShares Pure Cannabis ETF	32.29
MSOS	AdvisorShares Pure US Cannabis ETF	32.77
BLOK	Amplify Transformational Data Sharing ETF	33.25
CNBS	Amplify Seymour Cannabis ETF	33.78
BUG	Global X Cybersecurity ETF	34.12

\* 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	\$573M
GNOM	Global X Genomics & Biotechnology ETF	\$41M
ARKG	ARK Genomic Revolution ETF	\$40M
ARKK	ARK Innovation ETF	\$36M
WCLD	WisdomTree Cloud Computing Fund	\$26M
SRVR	Pacer Benchmark Data & Infrastructure Real Estate SCTR ETF	\$12M
KOMP	SPDR S&P Kensho New Economies Composite ETF	\$7M
TARK	AXS 2X Innovation ETF	\$5M
REMX	VanEck Rare Earth/Strategic Metals ETF	\$5M
BKCH	Global X Blockchain ETF	\$2M

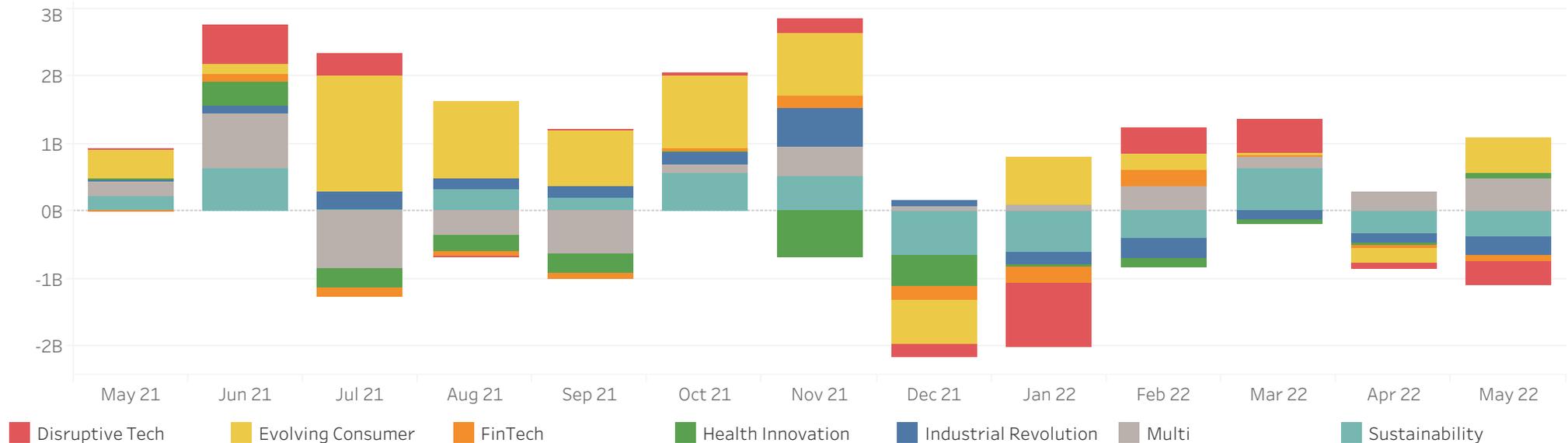
### Thematic 1 Week Flow Laggards

Ticker	Fund	Flow
ICLN	iShares Global Clean Energy ETF	(\$95M)
BUG	Global X Cybersecurity ETF	(\$74M)
CLOU	Global X Cloud Computing ETF	(\$55M)
LIT	Global X Lithium & Battery Tech ETF	(\$53M)
TAN	Invesco Solar ETF	(\$41M)
SKYY	First Trust Cloud Computing ETF	(\$41M)
HACK	ETFMG Prime Cyber Security ETF	(\$35M)
BOTZ	Global X Robotics & Artificial Intelligence ETF	(\$31M)
ARKQ	ARK Autonomous Technology & Robotics ETF	(\$23M)
FIW	First Trust Water ETF	(\$22M)

### Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	35	\$18B	(\$177M)	\$179M	(\$646M)	\$515M
Evolving Consumer	48	\$11B	\$466M	\$297M	\$518M	\$6,914M
FinTech	24	\$3B	(\$25M)	(\$30M)	(\$306M)	(\$279M)
Health Innovation	19	\$4B	(\$3M)	(\$25M)	(\$868M)	(\$1,702M)
Industrial Revolution	32	\$12B	(\$132M)	(\$584M)	(\$797M)	\$502M
Multi	42	\$15B	(\$18M)	\$1,410M	\$1,628M	\$1,207M
Sustainability	41	\$17B	(\$107M)	(\$244M)	(\$1,715M)	\$741M
<b>Grand Total</b>	<b>241</b>	<b>\$80B</b>	<b>\$5M</b>	<b>\$1,004M</b>	<b>(\$2,187M)</b>	<b>\$7,897M</b>

### Thematic Monthly Flows

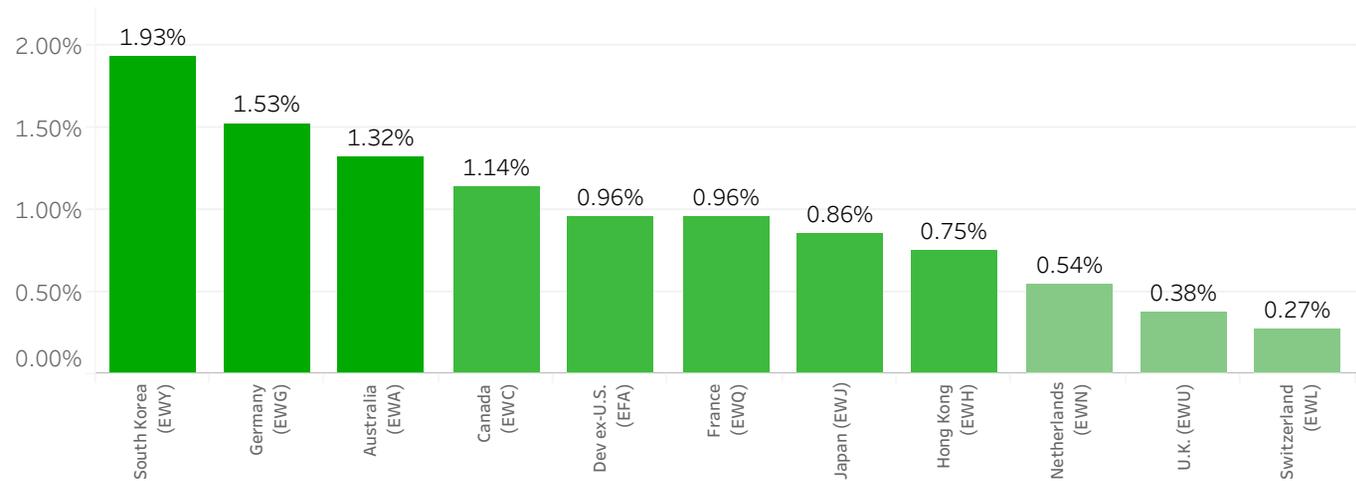


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Developed ex-U.S. (EFA)



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



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



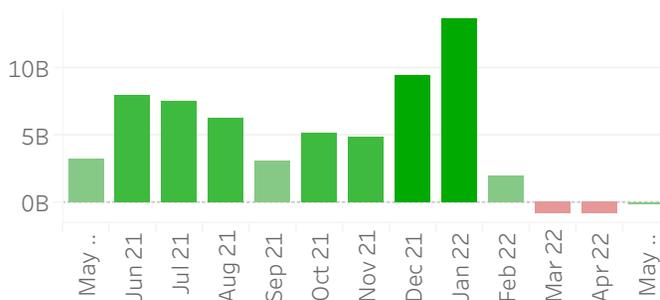
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
FKU	First Trust United Kingdom AlphaDEX Fund	3.03%
NORW	Global X MSCI Norway ETF	2.73%
EWO	iShares MSCI Austria ETF	2.62%
GREK	Global X MSCI Greece ETF	2.36%
EWD	iShares MSCI Sweden ETF	2.16%
EWI	iShares MSCI Italy ETF	2.07%
FLKR	Franklin FTSE South Korea ETF	2.00%
EWY	iShares MSCI South Korea ETF	1.93%
EWS	iShares MSCI Singapore ETF	1.79%
AIA	iShares Asia 50 ETF	1.71%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
EWH	iShares MSCI Hong Kong ETF	51.47
EWO	iShares MSCI Austria ETF	51.05
EWP	iShares MSCI Spain ETF	50.36
IVAL	Alpha Architect International Quantitative Value ETF	50.02
AIVI	WisdomTree International AI Enhanced Value Fund	49.98
IDOG	ALPS International Sector Dividend Dogs ETF	49.95
LVHI	Legg Mason International Low Volatility High Dividend ETF	49.94
ICOW	Pacer Developed Markets International Cash Cows 100 ETF	49.94
EWI	iShares MSCI Italy ETF	49.26
FDD	First Trust Stoxx European Select Dividend Index Fund	49.09

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
IMFL	Invesco International Developed Dynamic Multifactor ETF	-0.96%
HEDJ	WisdomTree Europe Hedged Equity Fund	-0.73%
CIL	VictoryShares International Volatility Wtd ETF	-0.64%
DBEU	Xtrackers MSCI Europe Hedged Equity ETF	-0.45%
RBIN	Nationwide Risk-Based International Equity ETF	-0.43%
IHDG	WisdomTree International Hedged Quality Dividend Grow..	-0.35%
HEZU	iShares Currency Hedged MSCI Eurozone ETF	-0.21%
DBEF	Xtrackers MSCI EAFE Hedged Equity ETF	-0.17%
HEFA	iShares Currency Hedged MSCI EAFE ETF	-0.15%
EIS	iShares MSCI Israel ETF	-0.08%

Developed ex-U.S. Most Oversold

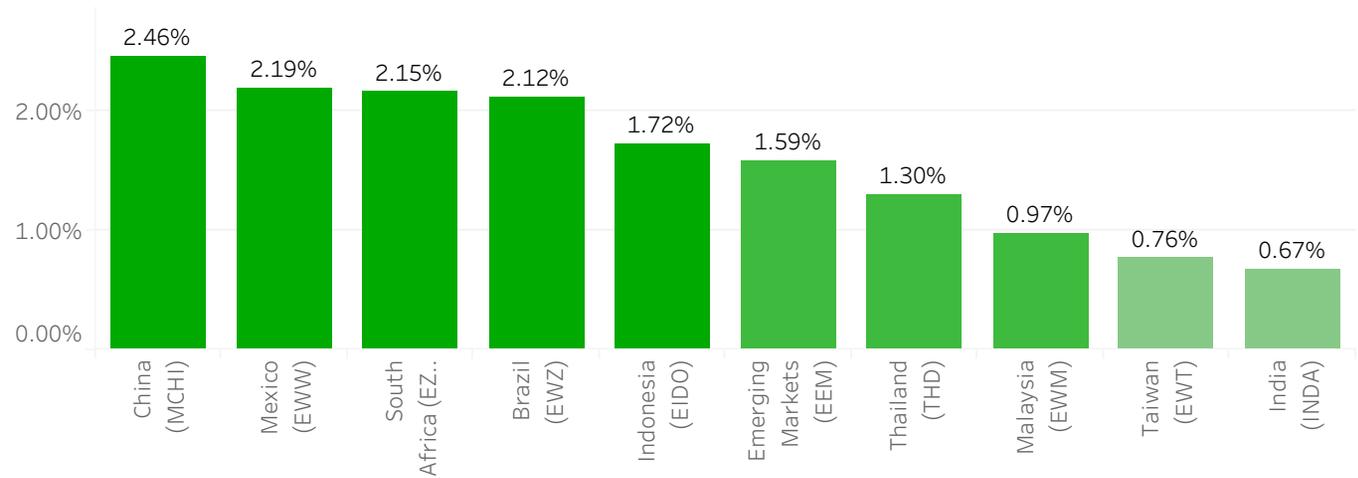
Ticker	Fund	Value
PTIN	Pacer Trendpilot International ETF	32.66
ENZL	iShares MSCI New Zealand ETF	35.14
FLSW	Franklin FTSE Switzerland ETF	35.86
EWL	iShares MSCI Switzerland ETF	36.52
TOK	iShares MSCI Kokusai ETF	36.72
EIS	iShares MSCI Israel ETF	37.98
IDHQ	Invesco S&P International Developed High Quality E..	38.88
EFAV	iShares MSCI EAFE Min Vol Factor ETF	39.27
EFAD	ProShares MSCI EAFE Dividend Growers ETF	39.30
EWUS	iShares MSCI United Kingdom Small Cap ETF	40.37

\* 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 1-Day Performance Leaders

Ticker	Fund	Performance
EPU	iShares MSCI Peru ETF	3.34%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	3.17%
PGJ	Invesco Golden Dragon China ETF	3.16%
CNYA	iShares MSCI China A ETF	3.07%
ECH	iShares MSCI Chile ETF	3.02%
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	2.76%
KBA	KraneShares Boser MSCI China A 50 Connect Index ETF	2.72%
FLCH	Franklin FTSE China ETF	2.50%
ECNS	iShares MSCI China Small-Cap ETF	2.47%
RAYC	Rayliant Quantamental China Equity ETF	2.46%

Emerging Most Overbought

Ticker	Fund	Price
ECH	iShares MSCI Chile ETF	60.35
EWW	iShares MSCI Mexico ETF	53.04
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	51.47
FXI	iShares China Large-Cap ETF	50.80
MCHI	iShares MSCI China ETF	50.45
PGJ	Invesco Golden Dragon China ETF	50.45
FLCH	Franklin FTSE China ETF	50.38
ILF	iShares Latin America 40 ETF	50.15
GXC	SPDR S&P China ETF	49.73
THD	iShares MSCI Thailand ETF	49.51

Emerging Monthly Flows



Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
KSA	iShares MSCI Saudi Arabia ETF	-0.48%
NFTY	First Trust India NIFTY 50 Equal Weight ETF	-0.39%
QAT	iShares MSCI Qatar ETF	-0.26%
PIN	Invesco India ETF	0.19%
GLIN	VanEck India Growth Leaders ETF	0.46%
FLIN	Franklin FTSE India ETF	0.55%
LDEM	iShares ESG MSCI EM Leaders ETF	0.65%
INDA	iShares MSCI India ETF	0.67%
EWT	iShares MSCI Taiwan ETF	0.76%
DBEM	Xtrackers MSCI Emerging Markets Hedged Equity ETF	0.84%

Emerging Most Oversold

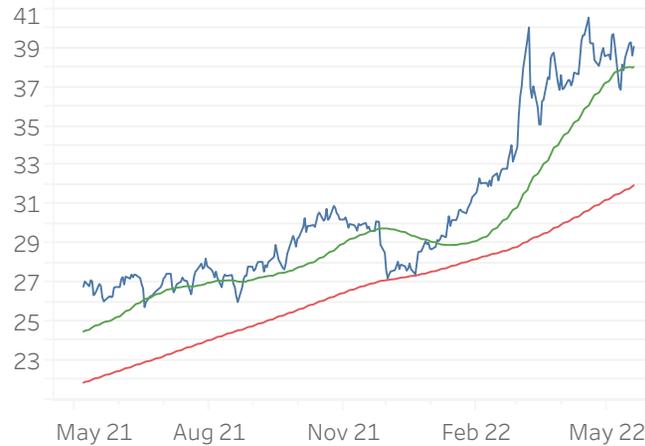
Ticker	Fund	Price
KSA	iShares MSCI Saudi Arabia ETF	28.11
FM	iShares MSCI Frontier and Select EM ETF	30.13
GLIN	VanEck India Growth Leaders ETF	33.31
PIN	Invesco India ETF	34.97
FLIN	Franklin FTSE India ETF	35.10
VNM	VanEck Vietnam ETF	35.69
TUR	iShares MSCI Turkey ETF	35.86
INDA	iShares MSCI India ETF	36.03
NFTY	First Trust India NIFTY 50 Equal Weight ETF	36.17
EPI	WisdomTree India Earnings Fund	36.63

\* 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	0.25%	0.01%	-9.29%
SHY	1-3 Year Treasury Bonds	0.14%	0.27%	-2.62%
IEF	7-10 Year Treasury Bonds	0.36%	1.00%	-9.74%
TLT	20+ Year Treasury Bonds	0.24%	-1.57%	-20.45%
TIP	TIPS Bonds	-0.35%	-0.86%	-6.42%
FLOT	Floating Rate Bonds	0.00%	-0.18%	-0.45%
LQD	Investment Grade Corporate	0.27%	-1.29%	-14.88%
HYG	High Yield Corporate	0.67%	-4.04%	-10.72%
BKLN	Senior Loan	-0.33%	-4.32%	-4.74%
PFF	Preferred & Income Securities	0.39%	-4.45%	-14.89%
MUB	Municipal Bonds	0.30%	-1.64%	-9.12%
MBB	MBS	0.34%	0.82%	-7.67%
EMB	Dollar Denominated EM Bonds	0.54%	-4.16%	-17.10%
LEMB	Local Currency EM Bond	1.25%	-4.03%	-11.40%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	1.19%	-0.48%	36.20%
DBE	Energy	1.13%	3.80%	51.76%
USO	WTI Crude Oil	1.63%	4.84%	48.23%
BNO	Brent Crude Oil	1.82%	4.05%	52.37%
UNG	Natural Gas	-1.79%	11.96%	124.02%
UGA	Gasoline	2.35%	18.01%	66.06%
DBP	Precious Metals	1.77%	-7.12%	-1.33%
GLD	Gold	1.47%	-5.45%	0.56%
SLV	Silver	2.74%	-12.78%	-5.76%
PPLT	abrdrn Physical Platin..	3.60%	-2.92%	-0.48%
PALL	abrdrn Physical Palla..	0.98%	-16.11%	5.49%
DBB	Base Metals	3.54%	-11.81%	2.61%
CPER	Copper	3.11%	-9.68%	-5.00%
LD	Lead	-3.41%	-15.23%	-9.72%
JJN	Nickel	9.12%	-16.56%	37.79%
JJU	Aluminum	3.09%	-10.11%	4.02%
JJT	Tin	0.97%	-21.02%	-11.75%
DBA	Agriculture	-0.04%	-1.02%	13.37%
CORN	Corn	-0.41%	-2.12%	34.82%
SOYB	Soybeans	0.90%	-1.88%	23.74%
WEAT	Wheat	-1.92%	7.69%	59.27%
CANE	Sugar	-0.20%	0.71%	7.72%
BAL	Cotton	2.40%	8.07%	37.04%
NIB	Cocoa	-1.04%	-4.25%	-6.46%
JO	Coffee	0.05%	-1.05%	-2.83%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	-1.04%	1.78%	7.22%
UDN	Short Dollar	1.24%	-1.78%	-7.21%
FXE	Euro	1.24%	-1.89%	-7.26%
FXB	British Pound Sterling	1.29%	-3.87%	-7.65%
FXF	Swiss Franc	1.68%	-2.14%	-6.55%
FXJ	Japanese Yen	0.38%	0.85%	-10.04%
FXC	Canadian Dollar	0.62%	-1.50%	-1.45%
FXA	Australian Dollar	1.36%	-4.49%	-3.07%

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