

Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

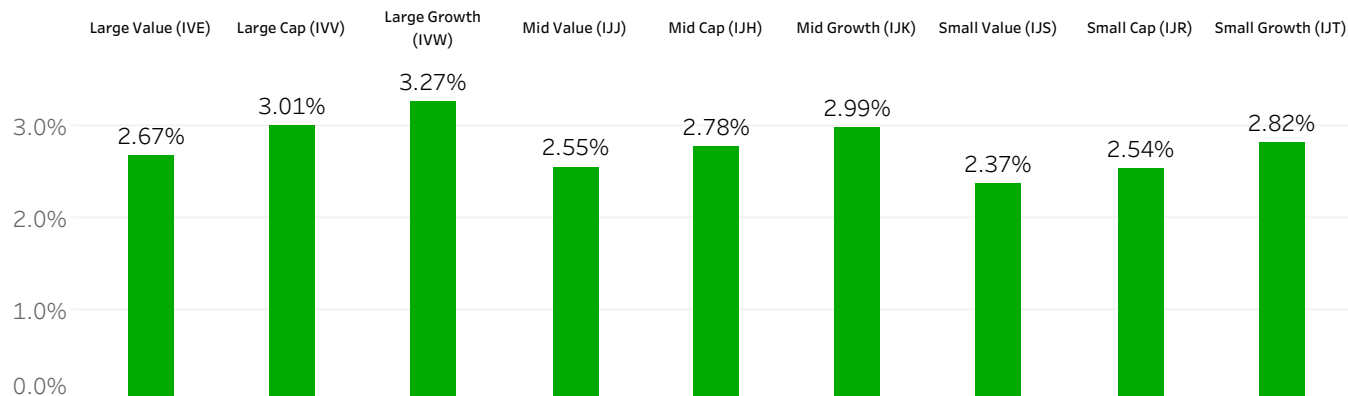


Small Cap Blend (S&P 600) IJR



■ 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
BUZZ	VanEck Social Sentiment ETF	4.09%
RPG	Invesco S&P 500 Pure Growth ETF	4.08%
ACSI	American Customer Satisfaction ETF	3.89%
EQRR	ProShares Equities for Rising Rates ETF	3.73%
SPHB	Invesco S&P 500 High Beta ETF	3.59%
NUMG	Nuveen ESG Mid-Cap Growth ETF	3.58%
JSML	Janus Henderson Small Cap Growth Alpha ETF	3.58%
PWB	Invesco Dynamic Large Cap Growth ETF	3.47%
LSAT	Leadershares Alphafactor Tactical Focused ETF	3.45%
FQAL	Fidelity Quality Factor ETF	3.43%

Size & Style Most Overbought

Ticker	Fund	Price
COWZ	Pacer US Cash Cows 100 ETF	58.37
QVAL	Alpha Architect U.S. Quantitative Value ETF	58.37
SDOG	ALPS Sector Dividend Dogs ETF	58.37
EQRR	ProShares Equities for Rising Rates ETF	57.72
SYLD	Cambria Shareholder Yield ETF	57.36
WBIY	WBI Power Factor High Dividend ETF	57.05
FNK	First Trust Mid Cap Value AlphaDEX Fund	56.68
PY	Principal Value ETF	56.05
DDIV	First Trust Dorsey Wright Momentum & Dividend ETF	55.63
FAB	First Trust Multi Cap Value AlphaDEX Fund	55.50

Size & Style 1-Day Performance Laggards

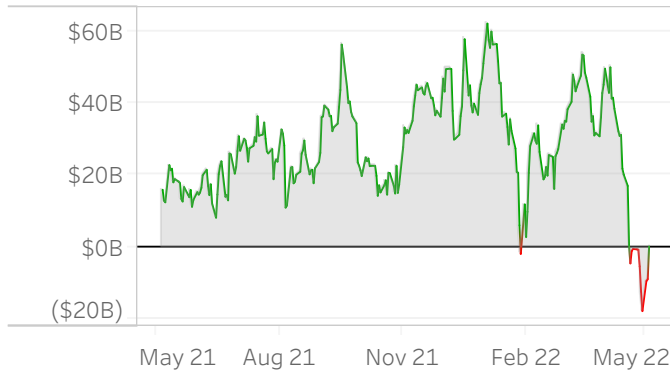
Ticker	Fund	1-Day Performance
PTMC	Pacer Trendpilot US Mid Cap ETF	-0.14%
PTNQ	Pacer Trendpilot 100 ETF	-0.02%
PTLC	Pacer Trendpilot US Large Cap ETF	0.00%
SPC	CrossingBridge Pre-Merger SPAC ETF	0.00%
MXDU	Nationwide Maximum Diversification US Core Equity ETF	0.17%
ONOF	Global X Adaptive U.S. Risk Management ETF	0.25%
CSF	VictoryShares US Discovery Enhanced Volatility Wtd ETF	0.48%
QQH	HCM Defender 100 Index ETF	0.49%
LGH	HCM Defender 500 Index ETF	0.60%
TPLE	Timothy Plan Us Large/Mid Cap Core Enhanced ETF	0.62%

Size & Style Most Oversold

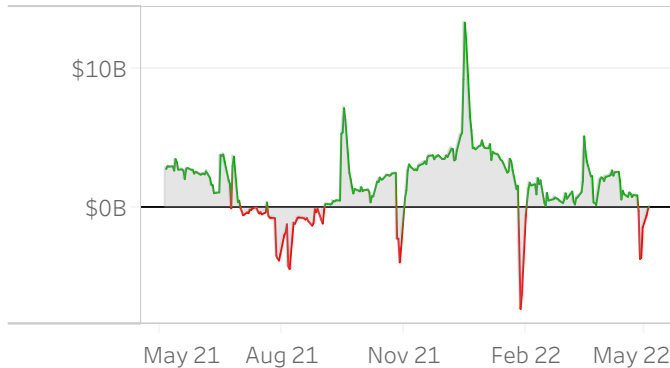
Ticker	Fund	Price
FFTY	Innovator IBD 50 ETF	34.46
LGH	HCM Defender 500 Index ETF	37.22
QQH	HCM Defender 100 Index ETF	38.37
MXDU	Nationwide Maximum Diversification US Core Equit..	38.93
PTNQ	Pacer Trendpilot 100 ETF	39.00
LCG	Sterling Capital Focus Equity ETF	39.52
CFO	VictoryShares US 500 Enhanced Volatility Wtd ETF	39.68
TPLE	Timothy Plan Us Large/Mid Cap Core Enhanced ETF	40.34
CSF	VictoryShares US Discovery Enhanced Volatility Wtd..	40.53
IPO	Renaissance IPO ETF	41.01

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

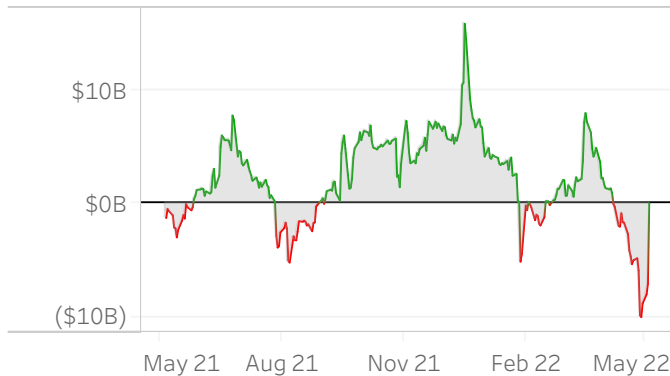
Large-Cap 30-Day Rolling Flows



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	26	\$1,223B	(\$0.13B)	(\$4.99B)	\$32.96B	\$109.98B
Large Cap, Beta Growth, Beta: Growth	10	\$227B	\$0.66B	\$3.72B	\$4.12B	\$13.84B
Large Cap, Beta Growth, Beta: Value	11	\$218B	\$0.58B	\$9.12B	\$16.41B	\$27.81B
Mid Cap, Beta, Beta	10	\$178B	\$1.09B	\$2.10B	\$7.26B	\$10.18B
Mid Cap, Beta, Beta: Growth	6	\$33B	(\$0.07B)	(\$0.23B)	(\$0.46B)	(\$0.65B)
Mid Cap, Beta, Beta: Value	6	\$40B	\$0.06B	(\$0.58B)	\$0.27B	\$1.32B
Small Cap, Beta, Beta	12	\$194B	(\$1.02B)	(\$1.41B)	\$2.08B	\$10.84B
Small Cap, Beta, Beta: Growth	7	\$31B	\$0.03B	\$0.14B	\$0.84B	\$0.58B
Small Cap, Beta, Beta: Value	7	\$51B	(\$0.12B)	(\$3.68B)	(\$2.17B)	(\$1.81B)

U.S. Size & Style Flow Leaders

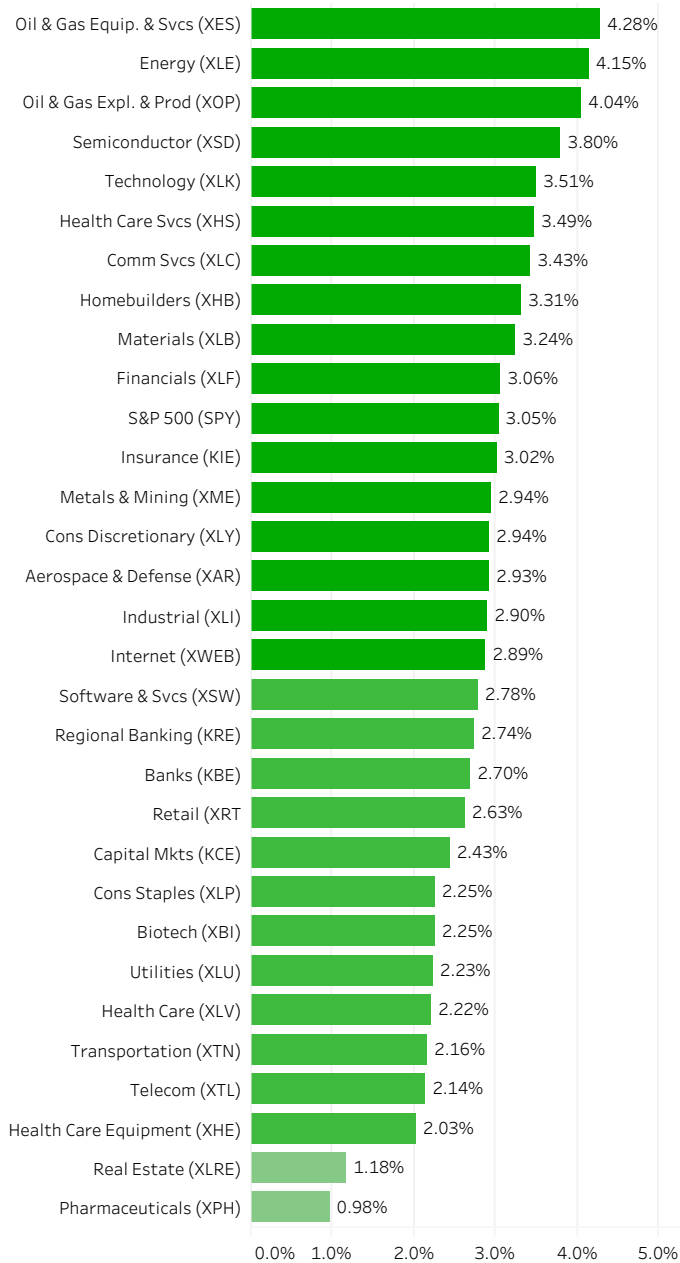
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	\$1.57B	(\$4.42B)	(\$4.72B)	\$14.10B	\$373.08B
FNDX	Schwab Fundamental US Large Co. Index ETF	\$0.70B	\$0.88B	\$2.84B	\$3.55B	\$10.40B
IWF	iShares Russell 1000 Growth ETF	\$0.54B	(\$0.60B)	(\$1.70B)	(\$1.19B)	\$62.76B
FNDA	Schwab Fundamental US Small Co. Index ETF	\$0.52B	\$1.08B	\$1.21B	\$1.49B	\$5.62B
IJH	iShares Core S&P Mid-Cap ETF	\$0.49B	\$0.41B	\$2.21B	\$2.06B	\$61.62B
MDY	SPDR S&P Midcap 400 ETF Trust	\$0.49B	(\$0.26B)	(\$0.96B)	(\$1.62B)	\$18.54B
VTI	Vanguard Total Stock Market ETF	\$0.32B	\$5.78B	\$19.44B	\$40.28B	\$267.94B
IVE	iShares S&P 500 Value ETF	\$0.25B	\$1.17B	\$2.35B	\$2.46B	\$24.72B
IWB	iShares Russell 1000 ETF	\$0.24B	\$0.07B	\$0.33B	\$0.01B	\$27.88B
LVHD	Legg Mason Low Volatility High Dividend ETF	\$0.19B	\$0.16B	\$0.15B	(\$0.02B)	\$0.90B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SDY	SPDR S&P Dividend ETF	(\$2.21B)	\$0.72B	\$1.05B	\$1.33B	\$20.88B
SCHX	Schwab U.S. Large-Cap ETF	(\$1.01B)	(\$1.46B)	(\$0.93B)	\$0.76B	\$29.28B
QQQ	Invesco QQQ Trust	(\$0.76B)	\$2.10B	\$7.68B	\$22.72B	\$171.70B
IWM	iShares Russell 2000 ETF	(\$0.53B)	(\$1.89B)	(\$4.03B)	(\$1.66B)	\$54.51B
PTLC	Pacer Trendpilot US Large Cap ETF	(\$0.47B)	(\$0.01B)	(\$0.05B)	(\$0.12B)	\$1.84B
IVV	iShares Core S&P 500 ETF	(\$0.46B)	(\$3.15B)	\$8.12B	\$18.56B	\$293.99B
SCHA	Schwab U.S. Small-Cap ETF	(\$0.41B)	(\$0.51B)	(\$0.03B)	\$1.06B	\$14.27B
RSP	Invesco S&P 500 Equal Weight ETF	(\$0.27B)	\$1.72B	\$3.69B	\$5.80B	\$32.15B
RDIV	Invesco S&P Ultra Dividend Revenue ETF	(\$0.25B)	\$0.02B	\$0.03B	\$0.01B	\$0.77B
DIA	SPDR Dow Jones Industrial Average ETF Trust	(\$0.17B)	\$0.54B	\$1.22B	(\$0.57B)	\$28.43B

\* 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	0.00%	78.53%	7.40%	33.17%	62.12
XLB	Materials Select Sector SPDR Fund	-2.33%	11.87%	2.79%	3.39%	55.62
XLP	Consumer Staples Select Sector SPDR Fund	-3.04%	13.55%	2.46%	5.67%	51.78
XLU	Utilities Select Sector SPDR Fund	-5.95%	14.47%	-0.36%	4.95%	44.79
XLV	Health Care Select Sector SPDR Fund	-7.04%	9.43%	-1.40%	-0.39%	45.32
XLI	Industrial Select Sector SPDR Fund	-7.81%	3.79%	-1.27%	-3.49%	49.31
SPY	SPDR S&P 500 ETF Trust	-10.18%	4.43%	-1.75%	-4.34%	47.95
XLRE	Real Estate Select Sector SPDR Fund	-10.29%	10.96%	-2.24%	-2.12%	41.22
XLF	Financial Select Sector SPDR Fund	-12.99%	4.43%	-3.73%	-6.64%	45.06
XLK	Technology Select Sector SPDR Fund	-15.73%	11.18%	-1.22%	-5.96%	50.97
XLY	Consumer Discretionary Select Sector SPDR Fund	-19.74%	4.18%	-3.94%	-9.51%	43.81
XLC	Communication Services Select Sector SPDR Fund	-26.86%	7.08%	-4.89%	-16.72%	46.33

## Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
ITB	iShares U.S. Home Construction ETF	4.75%
IEZ	iShares U.S. Oil Equipment & Services ETF	4.72%
AMZA	InfraCap MLP ETF	4.60%
FXN	First Trust Energy AlphaDEX Fund	4.59%
PSI	Invesco Dynamic Semiconductors ETF	4.45%
PKB	Invesco Dynamic Building & Construction ETF	4.38%
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	4.34%
IYE	iShares U.S. Energy ETF	4.30%
XES	SPDR S&P Oil & Gas Equipment & Services ETF	4.28%
FTXN	First Trust Nasdaq Oil & Gas ETF	4.24%

## Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	63.65
PXE	Invesco Dynamic Energy Exploration & Production ETF	63.45
RYE	Invesco S&P 500 Equal Weight Energy ETF	63.06
IYE	iShares U.S. Energy ETF	62.15
XLE	Energy Select Sector SPDR Fund	62.12
FXN	First Trust Energy AlphaDEX Fund	61.92
VDE	Vanguard Energy ETF	61.59
FENY	Fidelity MSCI Energy Index ETF	61.57
AML	Alerian MLP ETF	61.13
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	61.07

## Sector & Industry 1 Day Performance Laggards

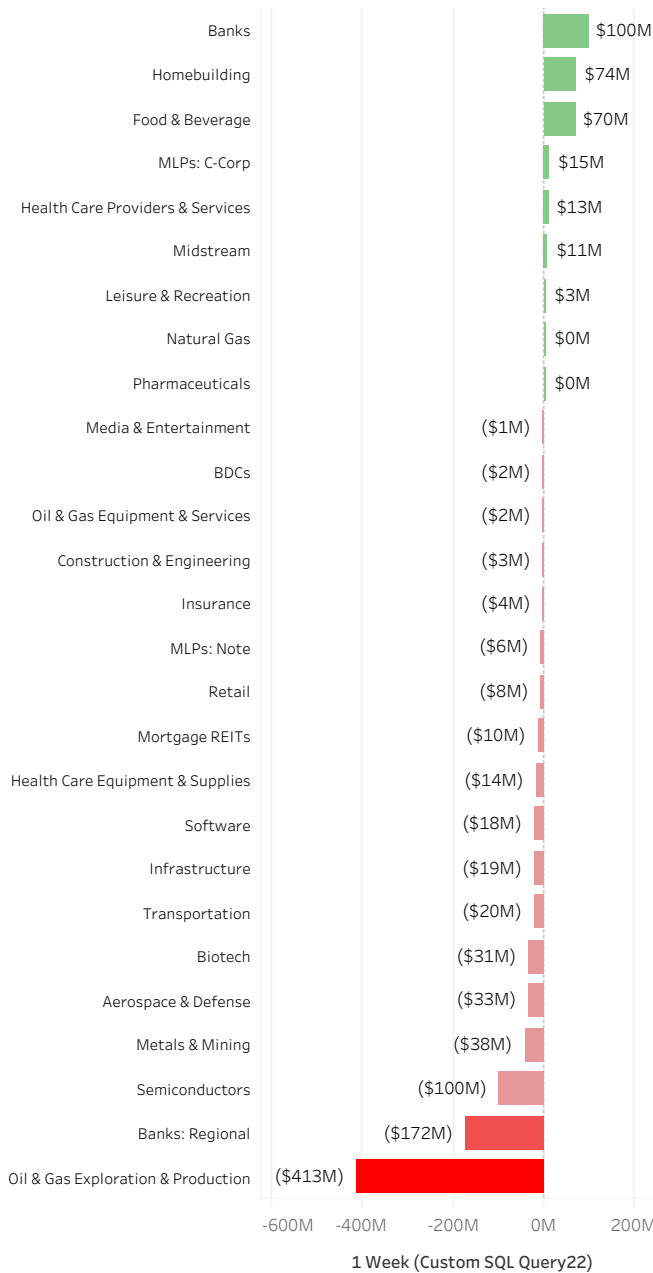
Ticker	Fund	1 Day Performance
REZ	iShares Residential and Multisector Real Estate ETF	0.36%
NURE	Nuveen Short-Term REIT ETF	0.68%
PEJ	Invesco Dynamic Leisure & Entertainment ETF	0.72%
PPTY	US Diversified Real Estate ETF	0.77%
PJP	Invesco Dynamic Pharmaceuticals ETF	0.81%
NETL	NETLease Corporate Real Estate ETF	0.84%
RWR	SPDR Dow Jones REIT ETF	0.87%
PSR	Invesco Active U.S. Real Estate Fund	0.91%
BBRE	JPMorgan BetaBuilders MSCI U.S. REIT ETF	0.93%
USRT	iShares Core U.S. REIT ETF	0.94%

## Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
REZ	iShares Residential and Multisector Real Estate ETF	34.62
INDS	Pacer Benchmark Industrial Real Estate SCTR ETF	36.07
NURE	Nuveen Short-Term REIT ETF	36.27
PJP	Invesco Dynamic Pharmaceuticals ETF	37.21
PPTY	US Diversified Real Estate ETF	38.21
RWR	SPDR Dow Jones REIT ETF	38.46
PEJ	Invesco Dynamic Leisure & Entertainment ETF	38.67
NETL	NETLease Corporate Real Estate ETF	39.43
FRI	First Trust S&P REIT Index Fund	39.88
USRT	iShares Core U.S. REIT ETF	39.91

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## 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	(\$3M)	(\$280M)	(\$1,537M)	\$483M
Consumer Discretionary	13	\$27B	\$114M	(\$1,602M)	(\$3,321M)	(\$3,961M)
Consumer Staples	12	\$28B	\$273M	\$2,714M	\$6,114M	\$7,219M
Energy	34	\$76B	(\$242M)	\$330M	\$4,229M	\$4,597M
Financials	28	\$68B	(\$543M)	(\$9,394M)	(\$4,735M)	(\$2,378M)
Health Care	26	\$87B	(\$180M)	\$4,123M	\$7,730M	\$12,071M
Industrial	14	\$32B	(\$122M)	\$280M	(\$571M)	(\$4,972M)
Materials	10	\$19B	(\$149M)	\$1,884M	\$2,020M	\$1,811M
Multi-Sector	18	\$16B	\$14M	(\$3,834M)	(\$4,070M)	(\$3,180M)
Real Estate	23	\$74B	\$147M	(\$1,657M)	\$1,190M	\$8,846M
Technology	24	\$128B	\$83M	\$11M	\$150M	\$5,854M
Utilities	10	\$25B	\$388M	\$2,391M	\$3,558M	\$3,881M

## U.S. Sector & Industry Flow Leaders

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IYR	iShares U.S. Real Estate ETF	\$419M	(\$1,139M)	(\$1,628M)	(\$890M)	\$5,128M
XLU	Utilities Select Sector SPDR Fund	\$407M	\$1,613M	\$2,404M	\$2,374M	\$15,401M
XLV	Consumer Discretionary Select Sector SPDR Fu..	\$345M	(\$342M)	(\$834M)	(\$1,252M)	\$17,785M
IYF	iShares U.S. Financials ETF	\$148M	(\$48M)	\$174M	\$11M	\$2,251M
XLE	Energy Select Sector SPDR Fund	\$144M	(\$1,954M)	(\$75M)	\$545M	\$36,749M
XLI	Industrial Select Sector SPDR Fund	\$124M	(\$1,488M)	(\$1,736M)	(\$5,117M)	\$14,569M
XLK	Technology Select Sector SPDR Fund	\$118M	\$931M	\$1,623M	\$2,512M	\$43,423M
IYW	iShares U.S. Technology ETF	\$112M	(\$64M)	(\$110M)	\$505M	\$7,487M
KBWB	Invesco KBW Bank ETF	\$109M	(\$507M)	(\$405M)	\$89M	\$2,404M
XLP	Consumer Staples Select Sector SPDR Fund	\$102M	\$1,231M	\$3,942M	\$4,932M	\$16,628M

## U.S. Sector & Industry Flow Laggards

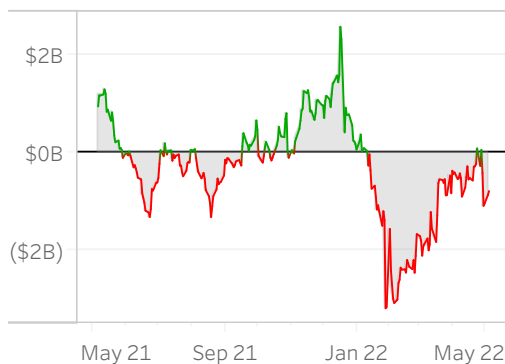
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLF	Financial Select Sector SPDR Fund	(\$544M)	(\$5,860M)	(\$2,504M)	(\$2,527M)	\$36,446M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	(\$407M)	(\$174M)	(\$161M)	(\$900M)	\$5,094M
VNQ	Vanguard Real Estate ETF	(\$206M)	(\$309M)	\$1,362M	\$4,802M	\$44,186M
XLV	Health Care Select Sector SPDR Fund	(\$184M)	\$2,987M	\$5,157M	\$8,627M	\$36,553M
VIS	Vanguard Industrials ETF	(\$179M)	(\$355M)	(\$622M)	(\$856M)	\$4,038M
VCR	Vanguard Consumer Discretionary ETF	(\$158M)	(\$181M)	(\$525M)	(\$28M)	\$5,358M
KRE	SPDR S&P Regional Banking ETF	(\$156M)	(\$707M)	(\$710M)	(\$718M)	\$4,081M
XLB	Materials Select Sector SPDR Fund	(\$103M)	(\$248M)	(\$419M)	(\$772M)	\$7,596M
SOXX	iShares Semiconductor ETF	(\$81M)	\$110M	\$732M	\$1,604M	\$7,603M
BBRE	JPMorgan BetaBuilders MSCI U.S. REIT ETF	(\$79M)	(\$188M)	(\$183M)	(\$306M)	\$1,212M

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

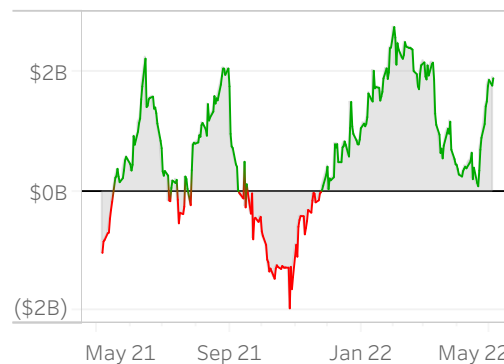
Communication Services



Consumer Discretionary



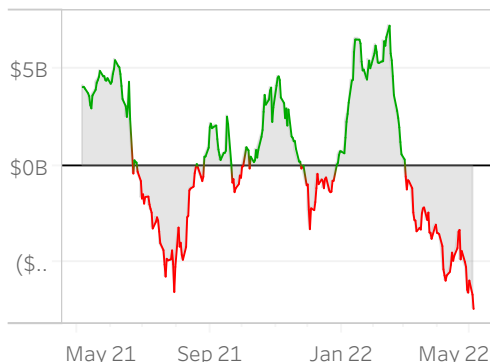
Consumer Staples



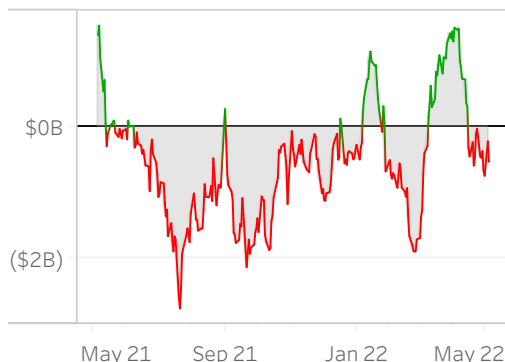
Energy



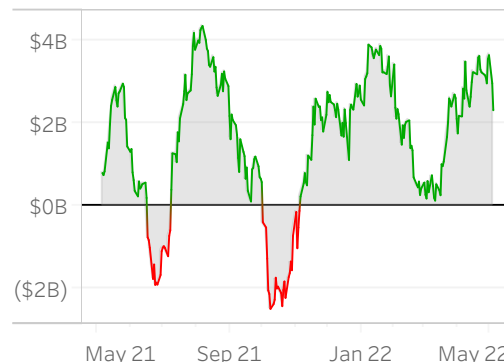
Financials



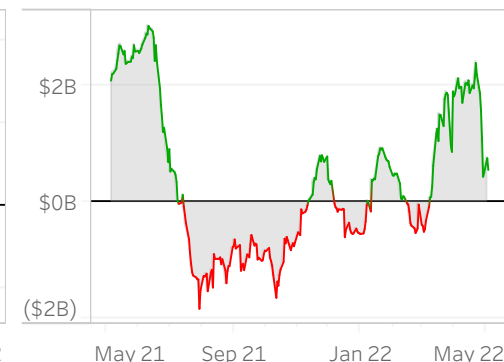
Industrial



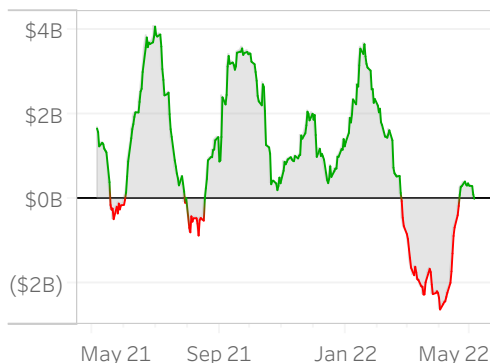
Health Care



Materials



Real Estate



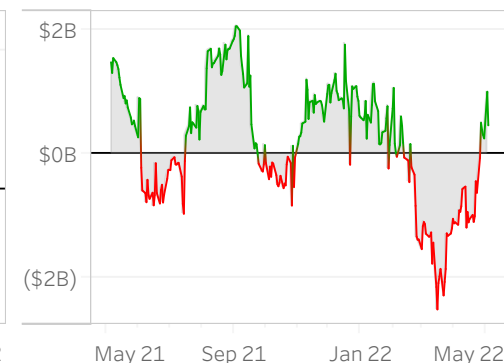
Technology



Utilities

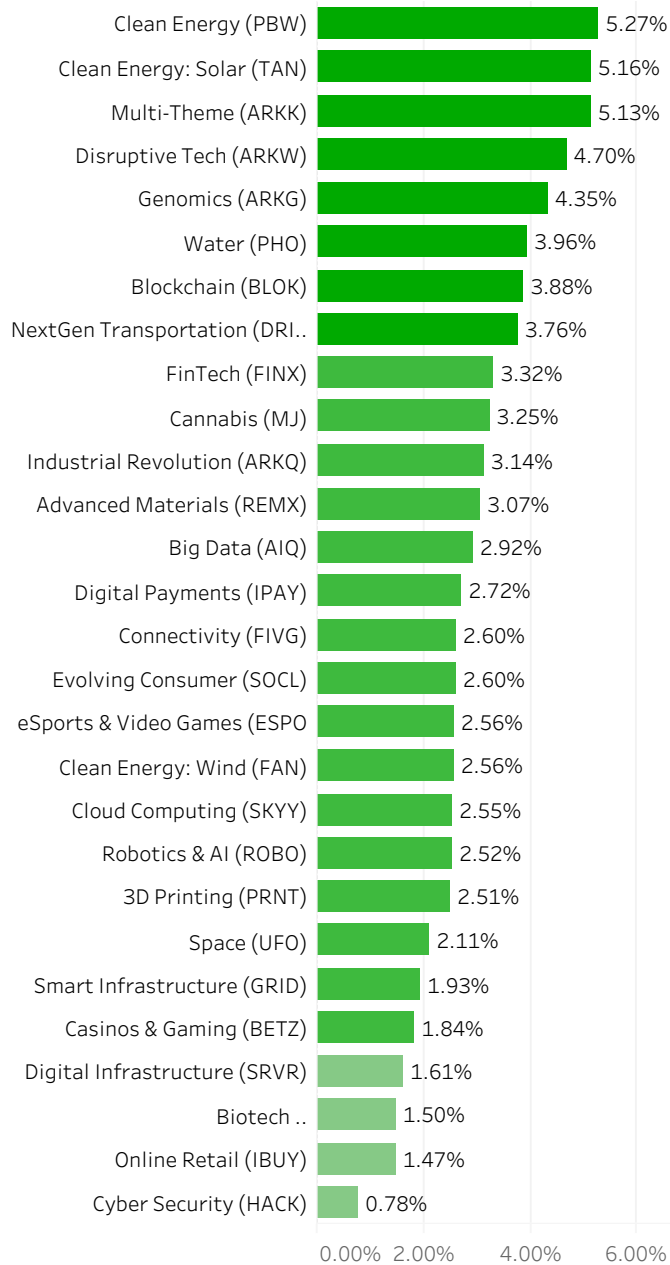


Multi-Sector

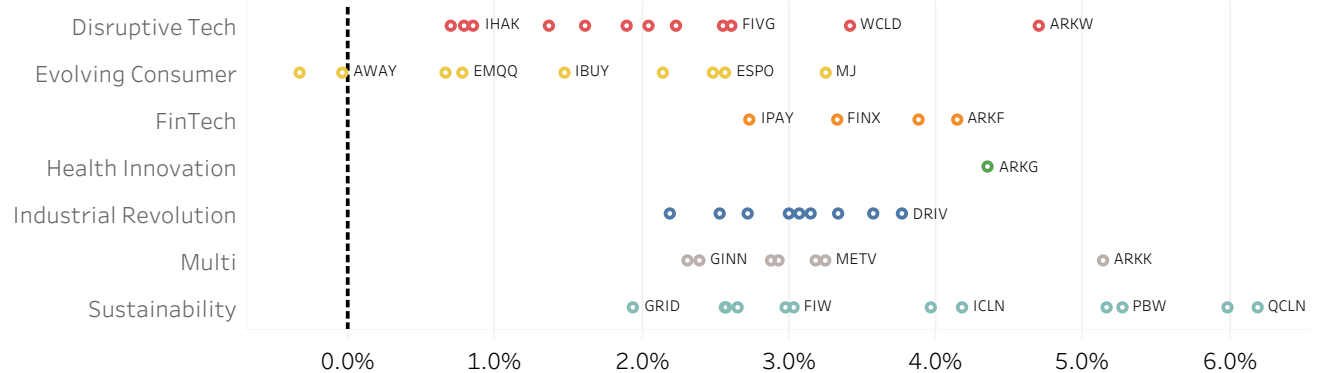


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## Global Thematic Segment 1-Day Performance



## Global Thematic 1-Day Performance Landscape



## Global Thematic 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	6.19%
ACES	ALPS Clean Energy ETF	5.98%
DAPP	VanEck Digital Transformation ETF	5.42%
PBW	Invesco WilderHill Clean Energy ETF	5.27%
CNRG	SPDR S&P Kensho Clean Power ETF	5.21%
TAN	Invesco Solar ETF	5.16%
ARKK	ARK Innovation ETF	5.13%
BITQ	Bitwise Crypto Industry Innovators ETF	5.06%
ARKW	ARK Next Generation Internet ETF	4.70%
HDRO	Defiance Next Gen H2 ETF	4.67%

## Thematic Most Overbought

Ticker	Fund	Price
KWEB	KraneShares CSI China Internet ETF	54.83
TAN	Invesco Solar ETF	53.53
DRIV	Global X Autonomous & Electric Vehicles ETF	52.14
QTUM	Defiance Quantum ETF	51.98
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	51.68
BJK	VanEck Gaming ETF	51.27
CNRG	SPDR S&P Kensho Clean Power ETF	50.73
IDRV	iShares Self-driving EV & Tech ETF	50.48
SOCL	Global X Social Media ETF	50.10
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	50.06

## Global Thematic 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
MSOS	AdvisorShares Pure US Cannabis ETF	-0.34%
AWAY	ETFMG Travel Tech ETF	-0.05%
KSTR	KraneShares SSE STAR Market 50 Index ETF	0.12%
KEMQ	KraneShares Emerging Markets Consumer Technology..	0.18%
KWEB	KraneShares CSI China Internet ETF	0.66%
BUG	Global X Cybersecurity ETF	0.69%
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce E..	0.77%
PAWZ	ProShares Pet Care ETF	0.78%
HACK	ETFMG Prime Cyber Security ETF	0.78%
IHAK	iShares Cybersecurity & Tech ETF	0.84%

## Thematic Most Oversold

Ticker	Fund	Price
MSOS	AdvisorShares Pure US Cannabis ETF	19.80
YOLO	AdvisorShares Pure Cannabis ETF	26.08
CNBS	Amplify Seymour Cannabis ETF	28.90
PAWZ	ProShares Pet Care ETF	32.34
GDOC	Goldman Sachs Future Health Care Equity ETF	34.25
GBUY	Goldman Sachs Future Consumer Equity ETF	36.13
EDOC	Global X Telemedicine & Digital Health ETF Registered	36.37
POTX	Global X Cannabis ETF	36.39
HACK	ETFMG Prime Cyber Security ETF	38.15
AGNG	Global X Aging Population ETF	38.82

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## Thematic 1 Week Flow Leaders

Ticker	Fund	Flow
KOMP	SPDR S&P Kensho New Economies Composite ETF	\$7M
ARKW	ARK Next Generation Internet ETF	\$7M
RAYS	Global X Solar ETF	\$6M
ARKG	ARK Genomic Revolution ETF	\$5M
DAPP	VanEck Digital Transformation ETF	\$5M
WCLD	WisdomTree Cloud Computing Fund	\$4M
FMET	Fidelity Metaverse ETF	\$4M
BATT	Amplify Lithium & Battery Technology ETF	\$3M
BKCH	Global X Blockchain ETF	\$3M
GTEK	Goldman Sachs Future Tech Leaders Equity ETF	\$2M

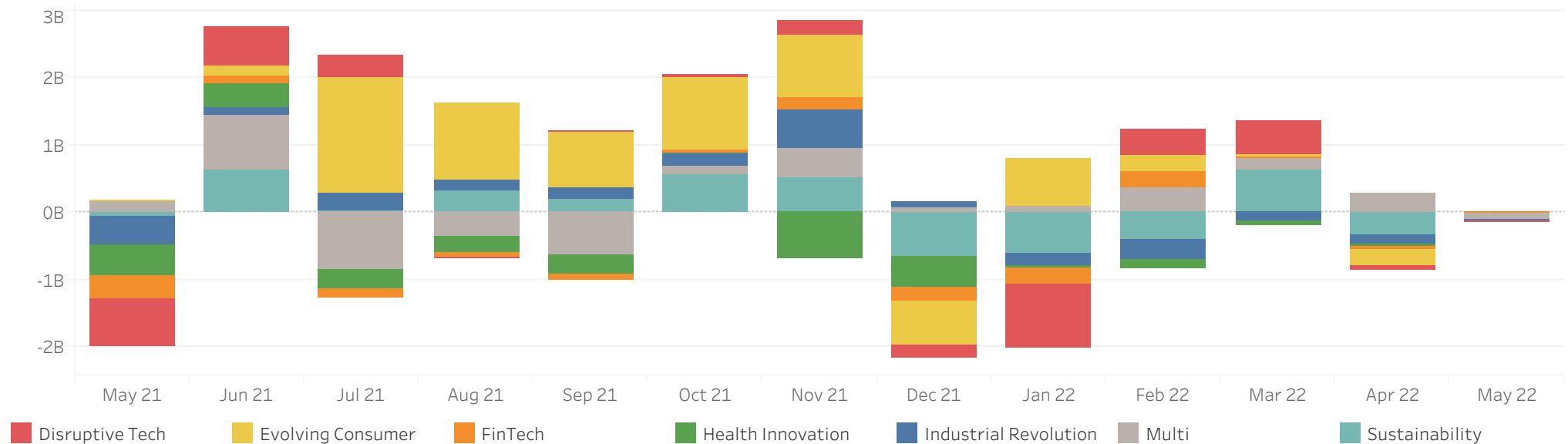
## Thematic 1 Week Flow Laggards

Ticker	Fund	Flow
ARKK	ARK Innovation ETF	(\$58M)
KWEB	KraneShares CSI China Internet ETF	(\$51M)
TAN	Invesco Solar ETF	(\$26M)
ICLN	iShares Global Clean Energy ETF	(\$17M)
CIBR	First Trust NASDAQ Cybersecurity ETF	(\$16M)
LIT	Global X Lithium & Battery Tech ETF	(\$14M)
SKYY	First Trust Cloud Computing ETF	(\$12M)
FIW	First Trust Water ETF	(\$12M)
NXTG	First Trust Indxx NextG ETF	(\$11M)
REMX	VanEck Rare Earth/Strategic Metals ETF	(\$10M)

## Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	35	\$22B	(\$43M)	\$852M	(\$302M)	\$92M
Evolving Consumer	46	\$11B	(\$2M)	\$32M	\$1,023M	\$5,980M
FinTech	23	\$4B	(\$1M)	\$151M	(\$132M)	(\$526M)
Health Innovation	19	\$4B	(\$11M)	(\$234M)	(\$1,439M)	(\$2,281M)
Industrial Revolution	31	\$13B	(\$30M)	(\$407M)	(\$76M)	\$312M
Multi	40	\$17B	(\$45M)	\$1,173M	\$1,430M	\$604M
Sustainability	40	\$18B	(\$32M)	(\$53M)	(\$1,178M)	\$831M
Grand Total	234	\$89B	(\$165M)	\$1,514M	(\$673M)	\$5,012M

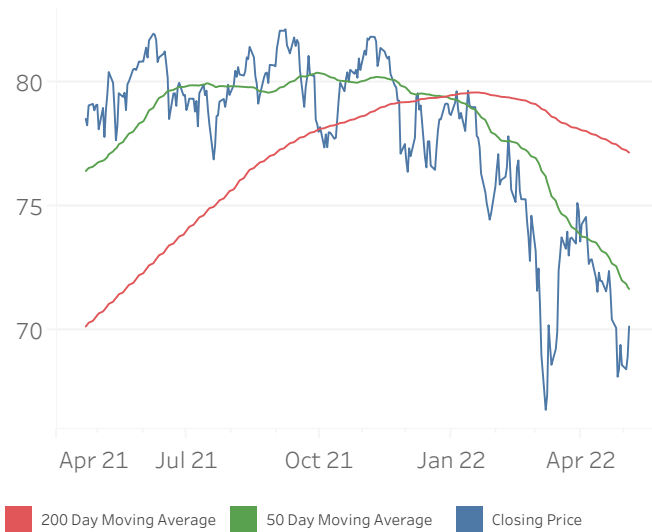
## Thematic Monthly Flows



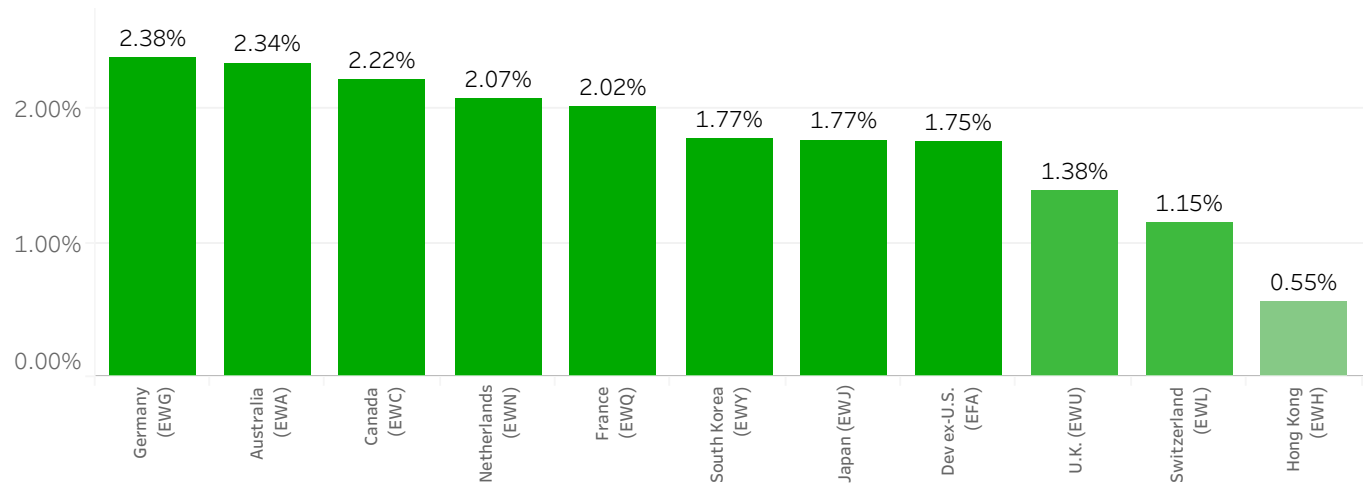
\* ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day



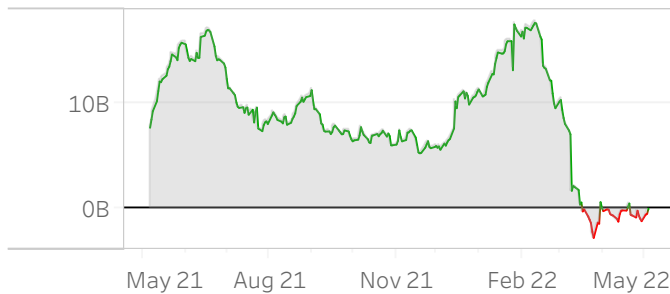
Developed ex-U.S. (EFA)



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



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



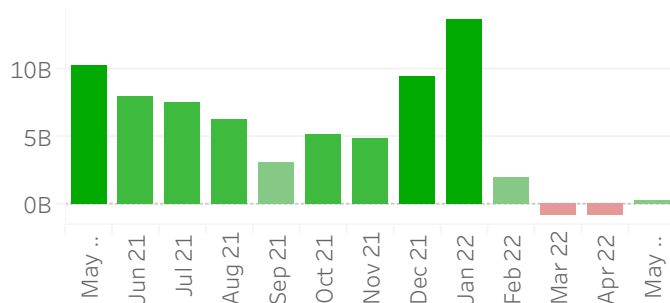
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
CIL	VictoryShares International Volatility Wtd ETF	3.28%
TOK	iShares MSCI Kokusai ETF	3.15%
IQIN	IQ 500 International ETF	2.85%
EWG	iShares MSCI Germany ETF	2.38%
EWA	iShares MSCI Australia ETF	2.34%
NORW	Global X MSCI Norway ETF	2.28%
RBIN	Nationwide Risk-Based International Equity ETF	2.27%
EWC	iShares MSCI Canada ETF	2.22%
GREK	Global X MSCI Greece ETF	2.21%
FEZ	SPDR EURO STOXX 50 ETF	2.17%

Developed ex-U.S. Most Overbought

Ticker	Fund	Price
LVHI	Legg Mason International Low Volatility High Dividend ETF	58.32
DXJ	WisdomTree Japan Hedged Equity Fund	58.19
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	56.12
HEWJ	iShares Currency Hedged MSCI Japan ETF	55.76
EUSC	WisdomTree Europe Hedged SmallCap Equity Fund	53.49
DBEF	Xtrackers MSCI EAFE Hedged Equity ETF	52.93
HEDJ	WisdomTree Europe Hedged Equity Fund	52.76
HEFA	iShares Currency Hedged MSCI EAFE ETF	52.71
HEZU	iShares Currency Hedged MSCI Eurozone ETF	52.25
DDWM	WisdomTree Dynamic Currency Hedged International Equi..	51.91

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
FKU	First Trust United Kingdom AlphaDEX Fund	-3.73%
FSZ	First Trust Switzerland AlphaDEX Fund	-0.38%
PTIN	Pacer Trendpilot International ETF	-0.02%
EWH	iShares MSCI Hong Kong ETF	0.55%
HSCZ	iShares Currency Hedged MSCI EAFE Small-Cap ETF	0.67%
EWUS	iShares MSCI United Kingdom Small Cap ETF	0.67%
EIS	iShares MSCI Israel ETF	0.73%
WPS	iShares International Developed Property ETF	0.74%
IHDG	WisdomTree International Hedged Quality Dividend Grow..	0.75%
DBEU	Xtrackers MSCI Europe Hedged Equity ETF	0.79%

Developed ex-U.S. Most Oversold

Ticker	Fund	Price
PTIN	Pacer Trendpilot International ETF	29.42
WPS	iShares International Developed Property ETF	30.34
EWUS	iShares MSCI United Kingdom Small Cap ETF	33.89
FKU	First Trust United Kingdom AlphaDEX Fund	34.31
EIS	iShares MSCI Israel ETF	34.39
ENZL	iShares MSCI New Zealand ETF	36.81
EWL	iShares MSCI Switzerland ETF	38.56
ISRA	VanEck Israel ETF	38.99
IEUS	iShares MSCI Europe Small-Cap ETF	39.11
EFAD	ProShares MSCI EAFE Dividend Growers ETF	40.65

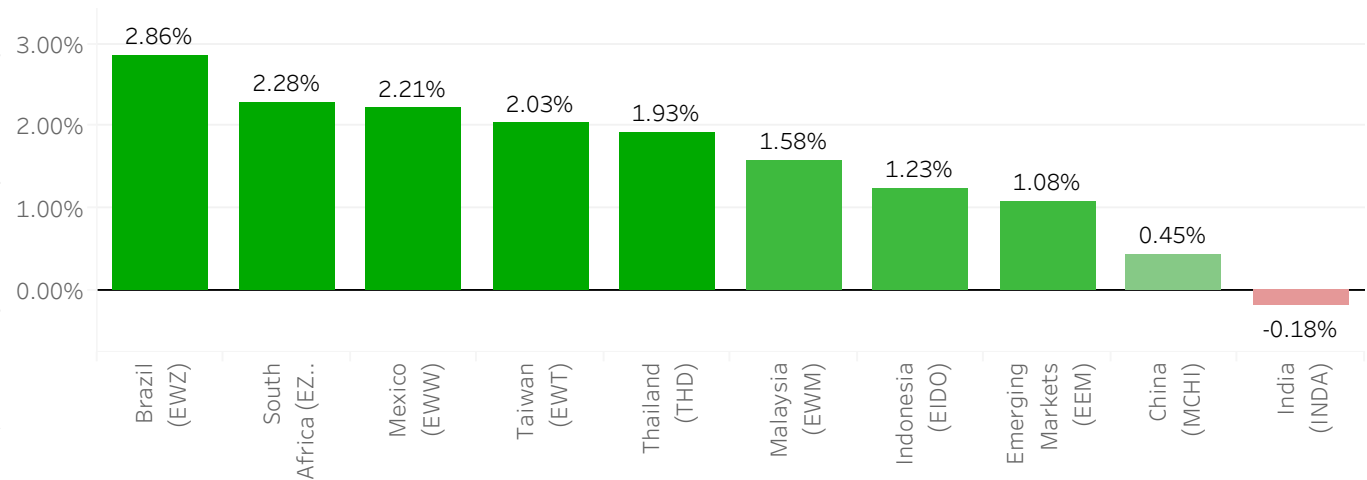
\*ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day



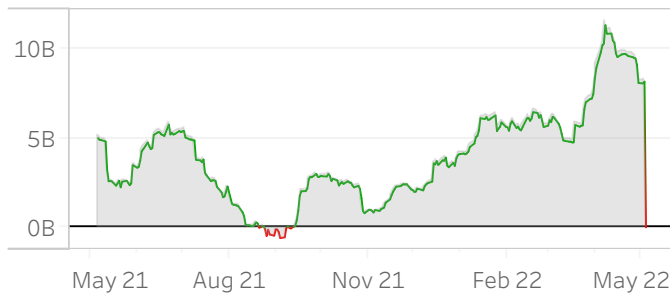
Emerging (EEM)



Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



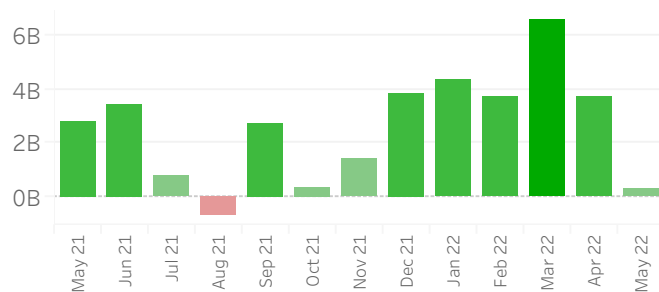
Emerging 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
ECH	iShares MSCI Chile ETF	4.38%
EWZS	iShares MSCI Brazil Small-Cap ETF	3.63%
FLBR	Franklin FTSE Brazil ETF	2.89%
EWZ	iShares MSCI Brazil ETF	2.86%
EPOL	iShares MSCI Poland ETF	2.67%
ILF	iShares Latin America 40 ETF	2.55%
EZA	iShares MSCI South Africa ETF	2.28%
PGJ	Invesco Golden Dragon China ETF	2.28%
FRDM	Freedom 100 Emerging Markets ETF	2.23%
EWW	iShares MSCI Mexico ETF	2.21%

Emerging Most Overbought

Ticker	Fund	Value
IDX	VanEck Indonesia Index ETF	66.12
EIDO	iShares MSCI Indonesia ETF	62.85
KSA	iShares MSCI Saudi Arabia ETF	58.66
PGJ	Invesco Golden Dragon China ETF	53.68
FXI	iShares China Large-Cap ETF	53.11
TUR	iShares MSCI Turkey ETF	52.98
MCHI	iShares MSCI China ETF	51.10
FNI	First Trust Chindia ETF	51.05
FLCH	Franklin FTSE China ETF	50.69
QAT	iShares MSCI Qatar ETF	50.25

Emerging Monthly Flows



Emerging 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
GXC	SPDR S&P China ETF	-0.29%
KSA	iShares MSCI Saudi Arabia ETF	-0.20%
INDA	iShares MSCI India ETF	-0.18%
PIN	Invesco India ETF	-0.12%
FLIN	Franklin FTSE India ETF	-0.10%
NFTY	First Trust India NIFTY 50 Equal Weight ETF	0.02%
INDY	iShares India 50 ETF	0.13%
CNYA	iShares MSCI China A ETF	0.18%
HEEM	iShares Currency Hedged MSCI Emerging Markets ETF	0.30%
SMIN	iShares MSCI India Small Cap ETF	0.30%

Emerging Most Oversold

Ticker	Fund	Value
EPU	iShares MSCI Peru ETF	33.63
VNM	VanEck Vietnam ETF	33.72
EPOL	iShares MSCI Poland ETF	34.66
FM	iShares MSCI Frontier and Select EM ETF	36.12
AFK	VanEck Africa Index ETF	37.20
ILF	iShares Latin America 40 ETF	38.69
EWZ	iShares MSCI Brazil ETF	39.02
EPHE	iShares MSCI Philippines ETF	39.15
FLBR	Franklin FTSE Brazil ETF	39.54
CNYA	iShares MSCI China A ETF	39.68

\*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	0.64%	-3.40%	-9.14%
SHY	1-3 Year Treasury Bonds	0.27%	-0.14%	-2.79%
IEF	7-10 Year Treasury Bonds	0.65%	-3.52%	-10.32%
TLT	20+ Year Treasury Bonds	0.55%	-9.61%	-19.48%
TIP	TIPS Bonds	0.78%	-1.87%	-5.48%
FLOT	Floating Rate Bonds	0.00%	0.01%	-0.25%
LQD	Investment Grade Corporate	0.98%	-6.38%	-13.64%
HYG	High Yield Corporate	1.02%	-3.42%	-7.30%
BKLN	Senior Loan	0.28%	-1.46%	-1.40%
PFF	Preferred & Income Securities	2.21%	-5.45%	-12.16%
MUB	Municipal Bonds	-0.02%	-2.70%	-7.96%
MBB	MBS	0.76%	-3.01%	-8.01%
EMB	Dollar Denominated EM Bonds	1.71%	-5.90%	-14.40%
LEMB	Local Currency EM Bond	1.28%	-4.16%	-9.56%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	3.25%	6.15%	38.26%
DBE	Energy	4.14%	12.18%	57.44%
USO	WTI Crude Oil	4.60%	4.37%	47.57%
BNO	Brent Crude Oil	4.77%	3.03%	51.32%
UNG	Natural Gas	8.29%	44.69%	132.27%
UGA	Gasoline	4.33%	14.94%	59.45%
DBP	Precious Metals	1.19%	-3.50%	1.45%
GLD	Gold	0.98%	-2.53%	2.83%
SLV	Silver	2.16%	-5.97%	-1.07%
PPLT	abrdn Physical Platin..	3.39%	0.56%	2.71%
PALL	abrdn Physical Palla..	0.28%	-1.51%	19.07%
DBB	Base Metals	2.50%	-8.43%	6.87%
CPER	Copper	2.16%	-9.00%	-2.61%
LD	Lead	-1.71%	-6.48%	-2.64%
JJN	Nickel	3.27%	-4.44%	53.27%
JJU	Aluminum	1.88%	-12.15%	6.24%
JJT	Tin	0.73%	-8.82%	5.63%
DBA	Agriculture	0.91%	0.82%	11.75%
CORN	Corn	0.03%	5.97%	36.03%
SOYB	Soybeans	0.64%	3.92%	23.52%
WEAT	Wheat	2.48%	7.72%	45.47%
CANE	Sugar	0.32%	-2.57%	2.83%
BAL	Cotton	4.38%	14.50%	42.96%
NIB	Cocoa	0.00%	-0.59%	-1.41%
JO	Coffee	0.80%	-4.36%	-1.73%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	-0.83%	3.67%	7.02%
UDN	Short Dollar	0.91%	-3.68%	-7.02%
FXE	Euro	0.80%	-3.38%	-7.05%
FXB	British Pound Sterling	1.01%	-3.84%	-6.77%
FXF	Swiss Franc	0.51%	-4.98%	-6.70%
FXJ	Japanese Yen	0.80%	-4.93%	-10.98%
FXC	Canadian Dollar	0.75%	-2.00%	-0.89%
FXA	Australian Dollar	2.27%	-3.81%	-0.21%

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