

Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

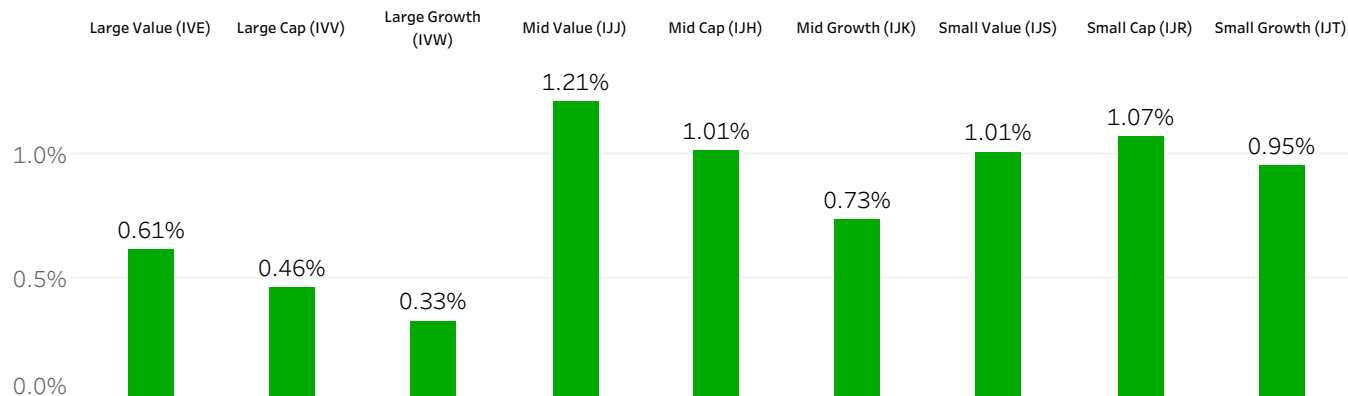


Small Cap Blend (S&P 600) IJR



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

U.S. Size & Style 1-Day Performance



Size & Style 1-Day Performance Leaders

Ticker	Fund	Performance
QVAL	Alpha Architect U.S. Quantitative Value ETF	2.79%
DDIV	First Trust Dorsey Wright Momentum & Dividend ETF	2.69%
DWAS	Invesco DWA SmallCap Momentum ETF	2.60%
SYLD	Cambria Shareholder Yield ETF	2.47%
EQRR	ProShares Equities for Rising Rates ETF	2.46%
XSVM	Invesco S&P SmallCap Value with Momentum ETF	2.35%
VUSE	Vident Core US Equity Fund	2.20%
AVUV	Avantis U.S. Small Cap Value ETF	2.17%
QMOM	Alpha Architect U.S. Quantitative Momentum ETF	2.15%
PY	Principal Value ETF	2.10%

Size & Style Most Overbought

Ticker	Fund	Value
PTMC	Pacer Trendpilot US Mid Cap ETF	60.12
QVAL	Alpha Architect U.S. Quantitative Value ETF	51.51
COWZ	Pacer US Cash Cows 100 ETF	49.61
SYLD	Cambria Shareholder Yield ETF	49.49
EQRR	ProShares Equities for Rising Rates ETF	48.84
CALF	Pacer US Small Cap Cash Cows 100 ETF	48.69
FNK	First Trust Mid Cap Value AlphaDEX Fund	48.69
WBIY	WBI Power Factor High Dividend ETF	47.81
QMOM	Alpha Architect U.S. Quantitative Momentum ETF	47.75
AVUV	Avantis U.S. Small Cap Value ETF	47.55

Size & Style 1-Day Performance Laggards

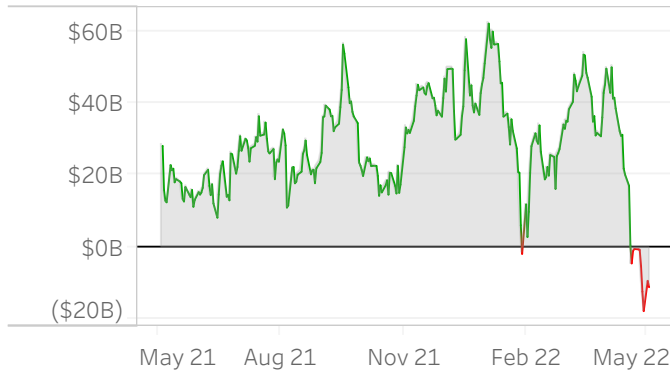
Ticker	Fund	Performance
MXDU	Nationwide Maximum Diversification US Core Equity ETF	-2.12%
IPO	Renaissance IPO ETF	-1.32%
LCG	Sterling Capital Focus Equity ETF	-1.01%
FPX	First Trust US Equity Opportunities ETF	-0.65%
MMLG	First Trust Multi-Manager Large Growth ETF	-0.64%
RUFF	Alpha Dog ETF	-0.63%
FLLV	Franklin Liberty U.S. Low Volatility ETF	-0.34%
IWP	iShares Russell Mid-Cap Growth ETF	-0.29%
GVIP	Goldman Sachs Hedge Industry VIP ETF	-0.26%
QQQE	Direxion NASDAQ-100 Equal Weighted Index Shares	-0.13%

Size & Style Most Oversold

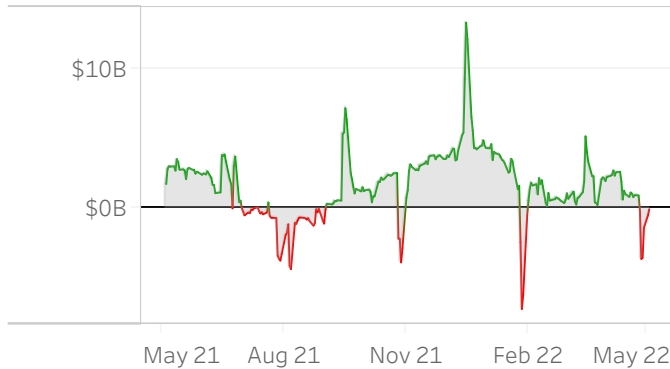
Ticker	Fund	Value
FFTY	Innovator IBD 50 ETF	30.50
MXDU	Nationwide Maximum Diversification US Core Equit..	30.92
ACSI	American Customer Satisfaction ETF	31.48
PABU	iShares Paris-Aligned Climate MSCI USA ETF	32.09
DVOL	First Trust Dorsey Wright Momentum & Low Volatili..	32.74
GUSA	Goldman Sachs MarketBeta U.S. 1000 Equity ETF	33.49
ABEQ	Absolute Core Strategy ETF	34.96
LGH	HCM Defender 500 Index ETF	35.18
LCG	Sterling Capital Focus Equity ETF	35.27
TMFM	Motley Fool Mid-Cap Growth ETF	35.42

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

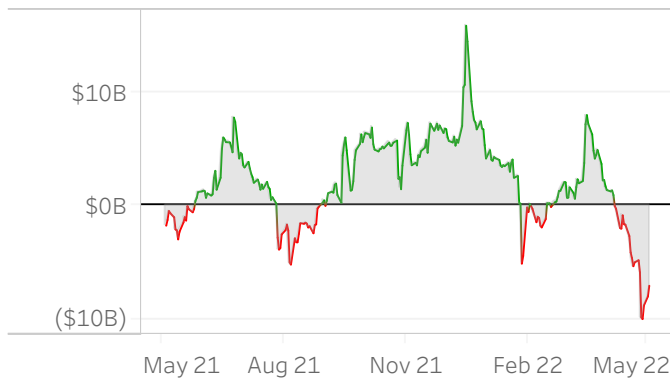
### Large-Cap 30-Day Rolling Flows



### 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	(\$3.37B)	(\$4.99B)	\$32.15B	\$103.68B
Large Cap, Beta Growth, Beta: Growth	10	\$227B	\$0.71B	\$3.72B	\$4.21B	\$14.03B
Large Cap, Beta Growth, Beta: Value	11	\$218B	\$0.58B	\$9.12B	\$16.41B	\$28.04B
Mid Cap, Beta, Beta	10	\$178B	\$0.84B	\$2.10B	\$7.45B	\$10.29B
Mid Cap, Beta, Beta: Growth	6	\$33B	(\$0.08B)	(\$0.23B)	(\$0.48B)	(\$0.64B)
Mid Cap, Beta, Beta: Value	6	\$40B	\$0.05B	(\$0.58B)	\$0.14B	\$1.39B
Small Cap, Beta, Beta	12	\$194B	(\$1.15B)	(\$1.41B)	\$2.86B	\$10.37B
Small Cap, Beta, Beta: Growth	7	\$31B	\$0.06B	\$0.14B	\$0.65B	\$0.55B
Small Cap, Beta, Beta: Value	7	\$51B	(\$0.19B)	(\$3.68B)	(\$2.22B)	(\$1.77B)

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

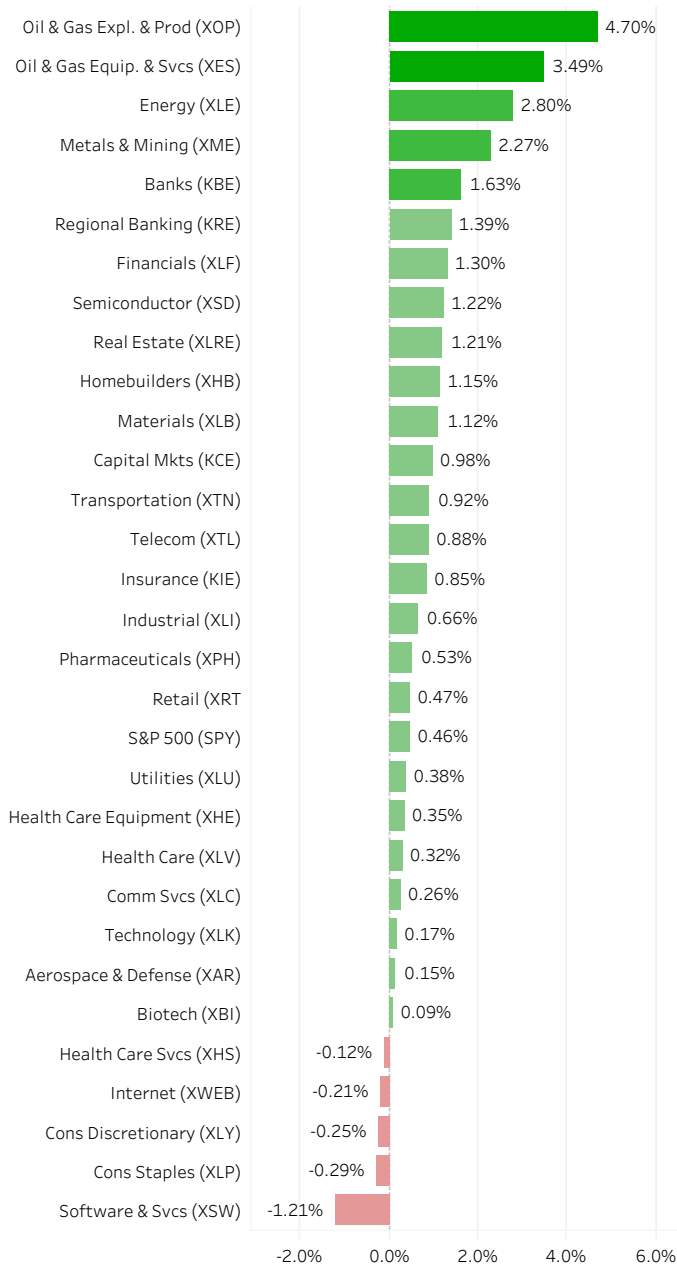
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
FNDX	Schwab Fundamental US Large Co. Index ETF	\$1.18B	\$0.88B	\$2.84B	\$3.55B	\$10.40B
FNDA	Schwab Fundamental US Small Co. Index ETF	\$0.87B	\$1.08B	\$1.21B	\$1.49B	\$5.62B
IWF	iShares Russell 1000 Growth ETF	\$0.57B	(\$0.60B)	(\$1.67B)	(\$1.19B)	\$62.76B
VOO	Vanguard S&P 500 ETF	\$0.48B	(\$0.52B)	\$16.47B	\$41.19B	\$258.16B
IJH	iShares Core S&P Mid-Cap ETF	\$0.41B	\$0.41B	\$2.23B	\$2.13B	\$61.62B
VTI	Vanguard Total Stock Market ETF	\$0.40B	\$5.78B	\$19.55B	\$40.50B	\$267.94B
SCHD	Schwab US Dividend Equity ETF	\$0.29B	\$3.21B	\$5.39B	\$10.67B	\$34.42B
IVE	iShares S&P 500 Value ETF	\$0.27B	\$1.17B	\$2.35B	\$2.46B	\$24.72B
MDY	SPDR S&P Midcap 400 ETF Trust	\$0.24B	(\$0.26B)	(\$0.82B)	(\$1.62B)	\$18.54B
IWB	iShares Russell 1000 ETF	\$0.24B	\$0.07B	\$0.33B	\$0.01B	\$27.88B

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

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	(\$1.77B)	(\$4.42B)	(\$4.93B)	\$8.59B	\$373.08B
SCHX	Schwab U.S. Large-Cap ETF	(\$1.65B)	(\$1.46B)	(\$0.94B)	\$0.76B	\$29.28B
SCHA	Schwab U.S. Small-Cap ETF	(\$0.69B)	(\$0.51B)	(\$0.03B)	\$1.07B	\$14.27B
IVV	iShares Core S&P 500 ETF	(\$0.44B)	(\$3.15B)	\$8.24B	\$18.62B	\$293.99B
VTWO	Vanguard Russell 2000 ETF	(\$0.29B)	\$0.31B	\$0.67B	\$1.94B	\$5.96B
RSP	Invesco S&P 500 Equal Weight ETF	(\$0.26B)	\$1.72B	\$3.71B	\$5.84B	\$32.15B
QQQ	Invesco QQQ Trust	(\$0.19B)	\$2.10B	\$6.62B	\$21.49B	\$171.70B
IWN	iShares Russell 2000 Value ETF	(\$0.16B)	(\$1.61B)	(\$1.97B)	(\$2.71B)	\$12.75B
USMV	iShares MSCI USA Min Vol Factor ETF	(\$0.15B)	(\$0.05B)	(\$0.18B)	(\$1.94B)	\$27.21B
IVW	iShares S&P 500 Growth ETF	(\$0.12B)	(\$0.26B)	(\$0.82B)	(\$0.40B)	\$31.49B

\* 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	-3.12%	71.41%	3.50%	28.19%	55.06
XLP	Consumer Staples Select Sector SPDR Fund	-5.18%	11.05%	0.29%	3.39%	42.78
XLB	Materials Select Sector SPDR Fund	-5.40%	8.36%	-0.27%	0.18%	45.53
XLU	Utilities Select Sector SPDR Fund	-8.00%	11.97%	-2.33%	2.71%	34.91
XLV	Health Care Select Sector SPDR Fund	-9.06%	7.06%	-3.45%	-2.54%	37.20
XLI	Industrial Select Sector SPDR Fund	-10.41%	0.87%	-3.99%	-6.23%	37.36
XLRE	Real Estate Select Sector SPDR Fund	-11.33%	9.67%	-3.28%	-3.26%	37.56
SPY	SPDR S&P 500 ETF Trust	-12.84%	1.34%	-4.62%	-7.18%	38.57
XLF	Financial Select Sector SPDR Fund	-15.57%	1.33%	-6.70%	-9.42%	34.36
XLK	Technology Select Sector SPDR Fund	-18.58%	7.41%	-4.56%	-9.17%	43.83
XLY	Consumer Discretionary Select Sector SPDR Fund	-22.03%	1.21%	-6.67%	-12.12%	36.98
XLC	Communication Services Select Sector SPDR Fund	-29.29%	3.52%	-8.13%	-19.60%	39.35

## Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
FCG	First Trust Natural Gas ETF	5.35%
PXE	Invesco Dynamic Energy Exploration & Production ..	5.14%
PXI	Invesco DWA Energy Momentum ETF	4.79%
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	4.70%
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	4.46%
FTXN	First Trust Nasdaq Oil & Gas ETF	4.30%
REM	iShares Mortgage Real Estate ETF	4.07%
PSCE	Invesco S&P SmallCap Energy ETF	3.92%
RYE	Invesco S&P 500 Equal Weight Energy ETF	3.89%
FXN	First Trust Energy AlphaDEX Fund	3.85%

## Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
PXE	Invesco Dynamic Energy Exploration & Production ETF	58.36
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	57.20
RYE	Invesco S&P 500 Equal Weight Energy ETF	56.31
FCG	First Trust Natural Gas ETF	55.25
PXI	Invesco DWA Energy Momentum ETF	55.20
XLE	Energy Select Sector SPDR Fund	55.06
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	54.98
IYE	iShares U.S. Energy ETF	54.74
FENY	Fidelity MSCI Energy Index ETF	54.69
VDE	Vanguard Energy ETF	54.61

## Sector & Industry 1 Day Performance Laggards

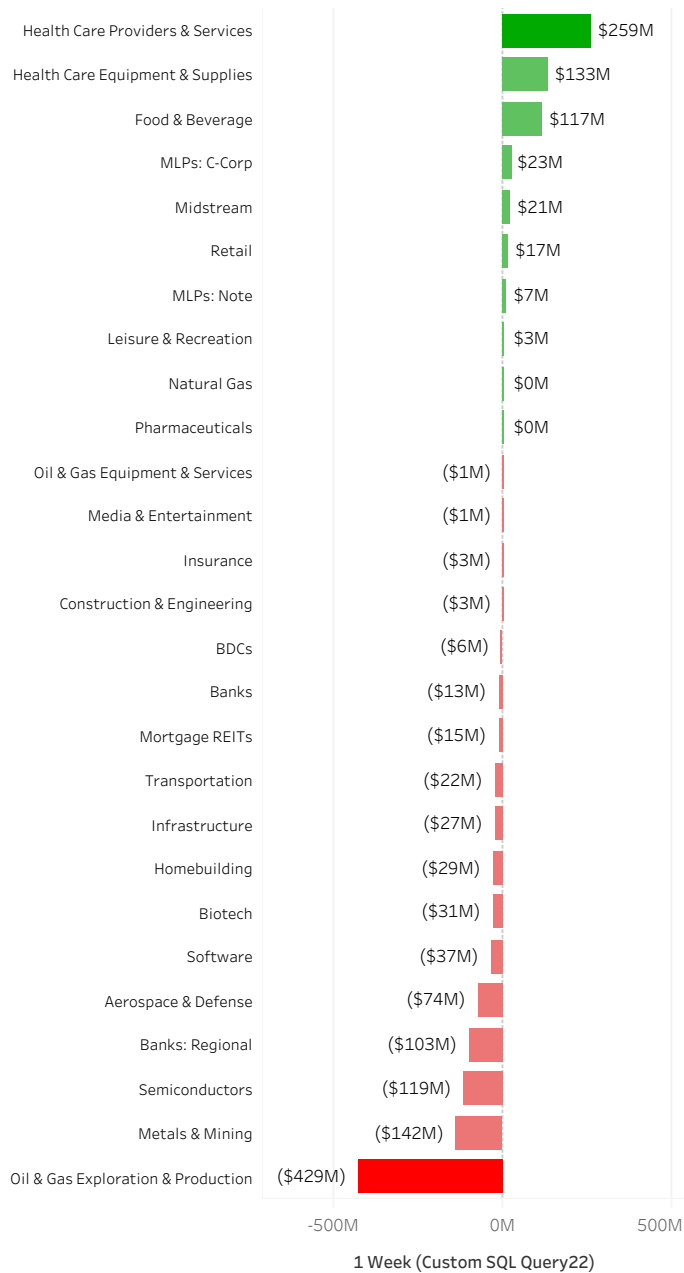
Ticker	Fund	1 Day Performance
XSW	SPDR S&P Software & Services ETF	-1.21%
PEJ	Invesco Dynamic Leisure & Entertainment ETF	-1.12%
IGV	iShares Expanded Tech-Software Sector ETF	-0.81%
PNQI	Invesco NASDAQ Internet ETF	-0.66%
FDN	First Trust Dow Jones Internet Index Fund	-0.64%
PSL	Invesco DWA Consumer Staples Momentum ETF	-0.52%
VCR	Vanguard Consumer Discretionary ETF	-0.42%
IYC	iShares U.S. Consumer Discretionary ETF	-0.39%
XNTK	SPDR NYSE Technology ETF	-0.37%
QTEC	First Trust NASDAQ-100 Technology Sector Index Fund	-0.31%

## Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
IYZ	iShares U.S. Telecommunications ETF	29.43
XHS	SPDR S&P Health Care Services ETF	31.83
IHF	iShares U.S. Healthcare Providers ETF	32.23
INDS	Pacer Benchmark Industrial Real Estate SCTR ETF	32.69
PJP	Invesco Dynamic Pharmaceuticals ETF	33.23
REZ	iShares Residential and Multisector Real Estate ETF	33.35
PPA	Invesco Aerospace & Defense ETF	33.41
ITA	iShares U.S. Aerospace & Defense ETF	33.48
NURE	Nuveen Short-Term REIT ETF	33.89
PSCH	Invesco S&P SmallCap Health Care ETF	34.01

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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	\$51M	(\$280M)	(\$1,593M)	\$595M
Consumer Discretionary	13	\$27B	(\$147M)	(\$1,602M)	(\$3,268M)	(\$3,954M)
Consumer Staples	12	\$28B	\$417M	\$2,714M	\$6,175M	\$7,190M
Energy	34	\$76B	(\$238M)	\$330M	\$4,273M	\$4,580M
Financials	28	\$68B	(\$616M)	(\$9,394M)	(\$5,135M)	(\$2,113M)
Health Care	26	\$87B	\$440M	\$4,123M	\$8,067M	\$12,696M
Industrial	14	\$32B	(\$146M)	\$280M	(\$438M)	(\$4,919M)
Materials	10	\$19B	(\$321M)	\$1,884M	\$1,969M	\$2,199M
Multi-Sector	18	\$16B	(\$114M)	(\$3,834M)	(\$4,214M)	(\$3,098M)
Real Estate	23	\$74B	\$201M	(\$1,657M)	\$1,238M	\$8,801M
Technology	24	\$128B	(\$705M)	\$11M	(\$128M)	\$5,764M
Utilities	10	\$25B	\$441M	\$2,391M	\$3,775M	\$3,793M

## U.S. Sector & Industry Flow Leaders

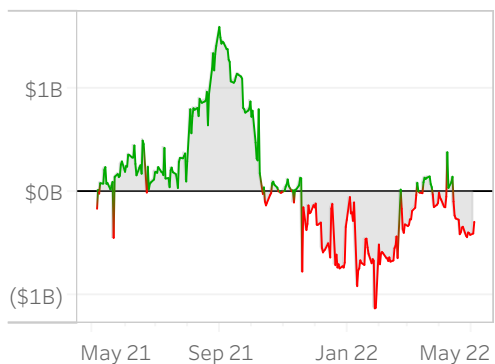
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLU	Utilities Select Sector SPDR Fund	\$520M	\$1,613M	\$2,608M	\$2,281M	\$15,401M
IYR	iShares U.S. Real Estate ETF	\$446M	(\$1,139M)	(\$1,650M)	(\$1,170M)	\$5,128M
IHF	iShares U.S. Healthcare Providers ETF	\$259M	\$418M	\$418M	\$469M	\$1,602M
XLP	Consumer Staples Select Sector SPDR Fund	\$204M	\$1,231M	\$3,996M	\$4,893M	\$16,628M
XLY	Consumer Discretionary Select Sector SPDR Fu..	\$185M	(\$342M)	(\$813M)	(\$1,287M)	\$17,785M
VHT	Vanguard Health Care ETF	\$172M	\$513M	\$1,096M	\$2,060M	\$16,533M
IYF	iShares U.S. Financials ETF	\$148M	(\$48M)	\$183M	\$31M	\$2,251M
XLE	Energy Select Sector SPDR Fund	\$133M	(\$1,954M)	(\$119M)	\$530M	\$36,749M
FCOM	Fidelity MSCI Communication Services Index ETF	\$130M	\$96M	\$46M	\$210M	\$752M
IHI	iShares U.S. Medical Devices ETF	\$128M	(\$18M)	(\$57M)	(\$874M)	\$7,378M

## U.S. Sector & Industry Flow Laggards

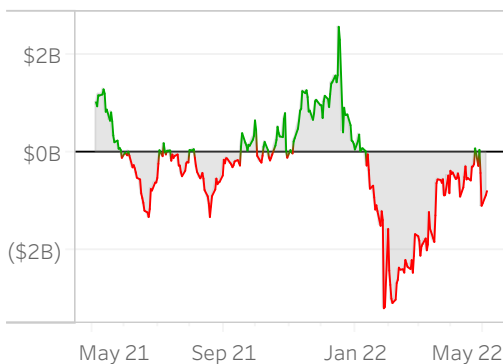
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XOP	SPDR S&P Oil & Gas Exploration & Production E..	(\$427M)	(\$174M)	(\$102M)	(\$900M)	\$5,094M
XLF	Financial Select Sector SPDR Fund	(\$359M)	(\$5,860M)	(\$2,950M)	(\$2,534M)	\$36,446M
VGT	Vanguard Information Technology ETF	(\$358M)	\$426M	(\$106M)	\$2,269M	\$45,768M
VFH	Vanguard Financials ETF	(\$248M)	(\$743M)	(\$254M)	\$360M	\$9,801M
VCR	Vanguard Consumer Discretionary ETF	(\$241M)	(\$181M)	(\$490M)	(\$28M)	\$5,358M
VNQ	Vanguard Real Estate ETF	(\$238M)	(\$309M)	\$1,428M	\$5,048M	\$44,186M
IYW	iShares U.S. Technology ETF	(\$223M)	(\$64M)	(\$110M)	\$469M	\$7,487M
XLB	Materials Select Sector SPDR Fund	(\$159M)	(\$248M)	(\$458M)	(\$525M)	\$7,596M
XME	SPDR S&P Metals & Mining ETF	(\$142M)	\$467M	\$690M	\$524M	\$3,047M
VIS	Vanguard Industrials ETF	(\$138M)	(\$355M)	(\$611M)	(\$817M)	\$4,038M

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Communication Services



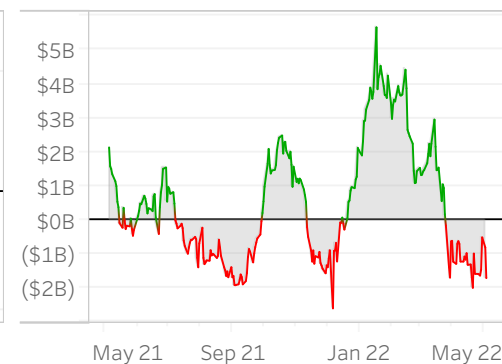
Consumer Discretionary



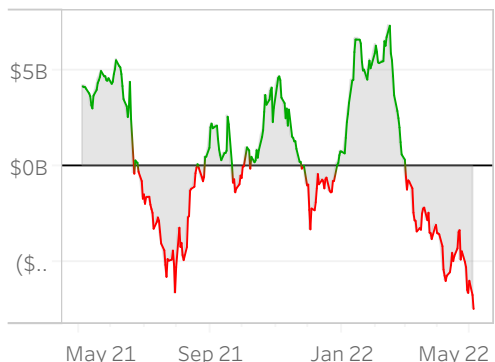
Consumer Staples



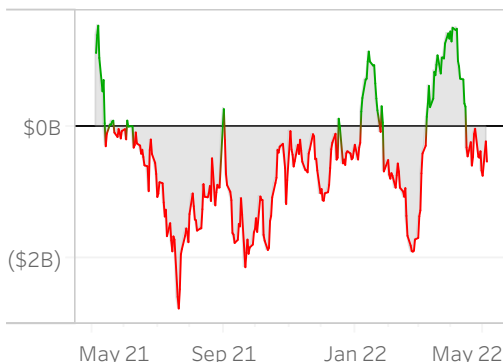
Energy



Financials



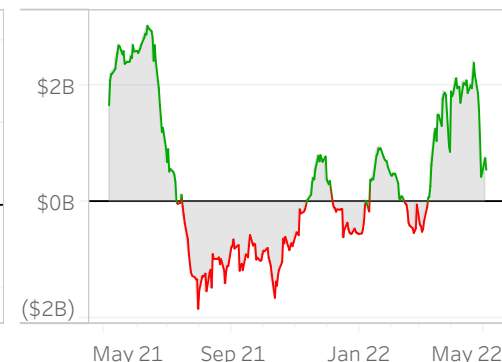
Industrial



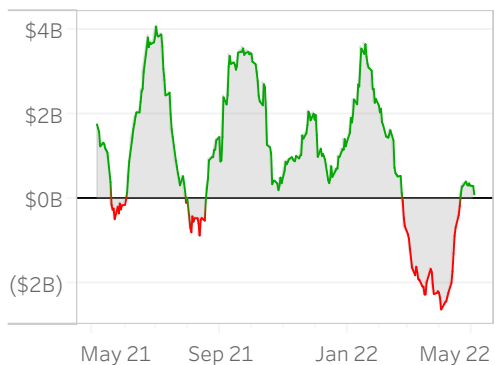
Health Care



Materials



Real Estate



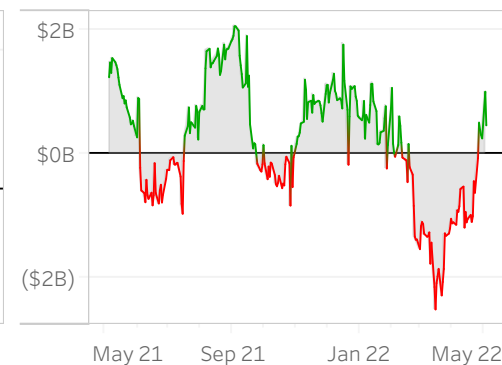
Technology



Utilities

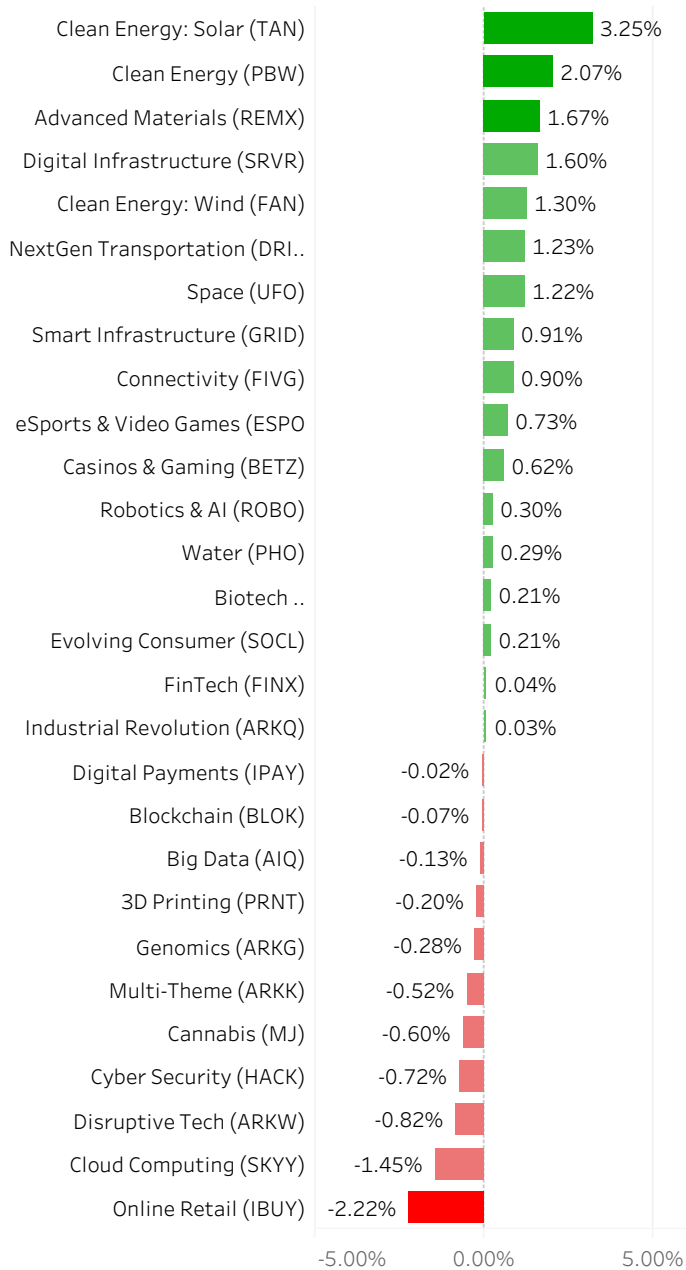


Multi-Sector

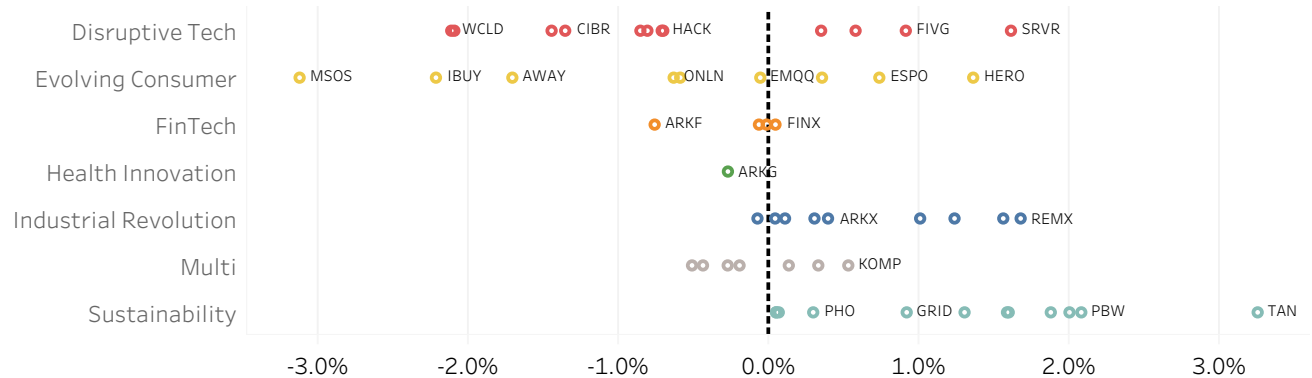


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## Global Thematic Segment 1-Day Performance



## Global Thematic 1-Day Performance Landscape



## Global Thematic 1-Day Performance Leaders

Ticker	Fund	Performance
TAN	Invesco Solar ETF	3.25%
CNRG	SPDR S&P Kensho Clean Power ETF	2.65%
CTEC	Global X CleanTech ETF	2.55%
KGRN	KraneShares MSCI China Clean Technology Index ETF	2.20%
BJK	VanEck Gaming ETF	2.14%
PBW	Invesco WilderHill Clean Energy ETF	2.07%
ACES	ALPS Clean Energy ETF	1.99%
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	1.87%
REMX	VanEck Rare Earth/Strategic Metals ETF	1.67%
KSTR	KraneShares SSE STAR Market 50 Index ETF	1.63%

## Thematic Most Overbought

Ticker	Fund	Price
KWEB	KraneShares CSI China Internet ETF	54.09
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	48.78
BJK	VanEck Gaming ETF	47.39
KGRN	KraneShares MSCI China Clean Technology Index ETF	45.84
SOCL	Global X Social Media ETF	45.42
TAN	Invesco Solar ETF	44.75
DRIV	Global X Autonomous & Electric Vehicles ETF	44.27
BETZ	Roundhill Sports Betting & iGaming ETF	44.02
QTUM	Defiance Quantum ETF	43.69
IDRV	iShares Self-driving EV & Tech ETF	43.64

## Global Thematic 1-Day Performance Laggards

Ticker	Fund	Performance
MSOS	AdvisorShares Pure US Cannabis ETF	-3.13%
IBUY	Amplify Online Retail ETF	-2.22%
WCLD	WisdomTree Cloud Computing Fund	-2.12%
BUG	Global X Cybersecurity ETF	-2.10%
AWAY	ETFMG Travel Tech ETF	-1.71%
YOLO	AdvisorShares Pure Cannabis ETF	-1.71%
SKYY	First Trust Cloud Computing ETF	-1.45%
CIBR	First Trust NASDAQ Cybersecurity ETF	-1.36%
CNBS	Amplify Seymour Cannabis ETF	-1.06%
PAWZ	ProShares Pet Care ETF	-1.01%

## Thematic Most Oversold

Ticker	Fund	Price
MSOS	AdvisorShares Pure US Cannabis ETF	20.00
YOLO	AdvisorShares Pure Cannabis ETF	23.68
CNBS	Amplify Seymour Cannabis ETF	23.99
GDOC	Goldman Sachs Future Health Care Equity ETF	25.95
GBUY	Goldman Sachs Future Consumer Equity ETF	27.48
PAWZ	ProShares Pet Care ETF	29.81
HDRO	Defiance Next Gen H2 ETF	30.26
POTX	Global X Cannabis ETF	30.77
CGW	Invesco S&P Global Water Index ETF	31.50
EBLU	Ecofin Global Water ESG Fund	31.88

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## Thematic 1 Week Flow Leaders

Ticker	Fund	
ARKK	ARK Innovation ETF	\$114M
WCLD	WisdomTree Cloud Computing Fund	\$10M
KOMP	SPDR S&P Kensho New Economies Composite ETF	\$7M
RAYS	Global X Solar ETF	\$6M
BUG	Global X Cybersecurity ETF	\$6M
DAPP	VanEck Digital Transformation ETF	\$5M
BKCH	Global X Blockchain ETF	\$4M
ARKW	ARK Next Generation Internet ETF	\$3M
EDOC	Global X Telemedicine & Digital Health ETF Registered	\$3M
BATT	Amplify Lithium & Battery Technology ETF	\$3M

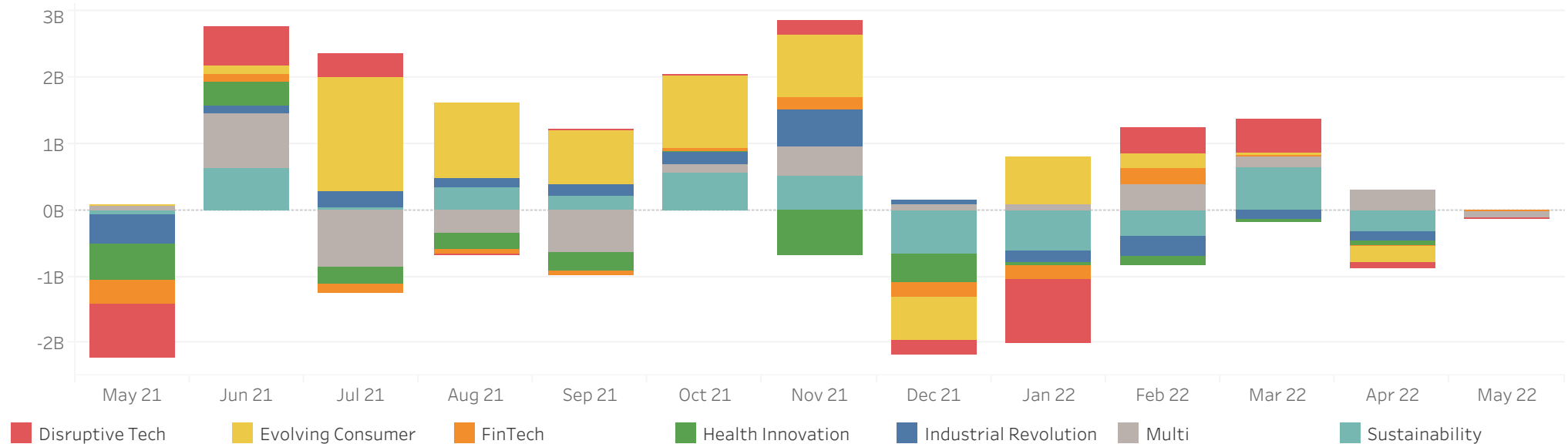
## Thematic 1 Week Flow Laggards

Ticker	Fund	
TAN	Invesco Solar ETF	(\$71M)
KWEB	KraneShares CSI China Internet ETF	(\$52M)
SKYY	First Trust Cloud Computing ETF	(\$27M)
ICLN	iShares Global Clean Energy ETF	(\$26M)
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	(\$26M)
ARKG	ARK Genomic Revolution ETF	(\$22M)
PBW	Invesco WilderHill Clean Energy ETF	(\$21M)
CIBR	First Trust NASDAQ Cybersecurity ETF	(\$16M)
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	(\$16M)
LIT	Global X Lithium & Battery Tech ETF	(\$15M)

## Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	35	\$22B	(\$48M)	\$852M	(\$259M)	(\$11M)
Evolving Consumer	46	\$11B	(\$63M)	\$32M	\$1,027M	\$5,983M
FinTech	22	\$4B	\$0M	\$149M	(\$110M)	(\$535M)
Health Innovation	19	\$4B	(\$8M)	(\$234M)	(\$1,447M)	(\$2,374M)
Industrial Revolution	29	\$13B	(\$46M)	(\$407M)	\$23M	\$297M
Multi	38	\$17B	(\$53M)	\$1,167M	\$1,178M	\$502M
Sustainability	40	\$18B	(\$68M)	(\$53M)	(\$1,141M)	\$820M
Grand Total	229	\$89B	(\$287M)	\$1,506M	(\$729M)	\$4,681M

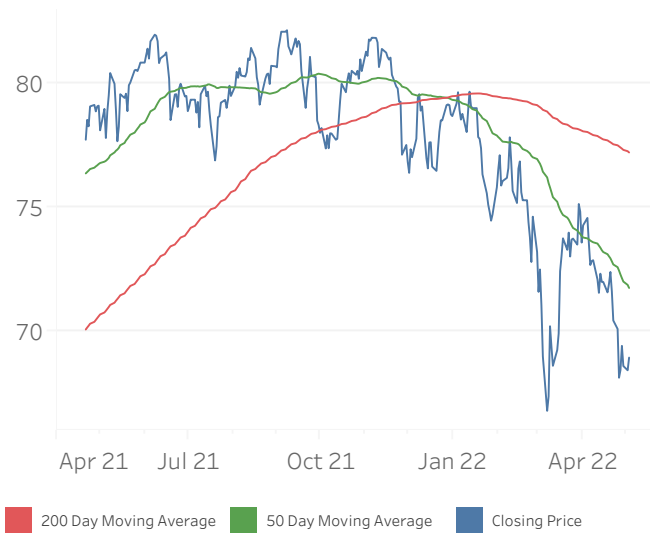
## Thematic Monthly Flows



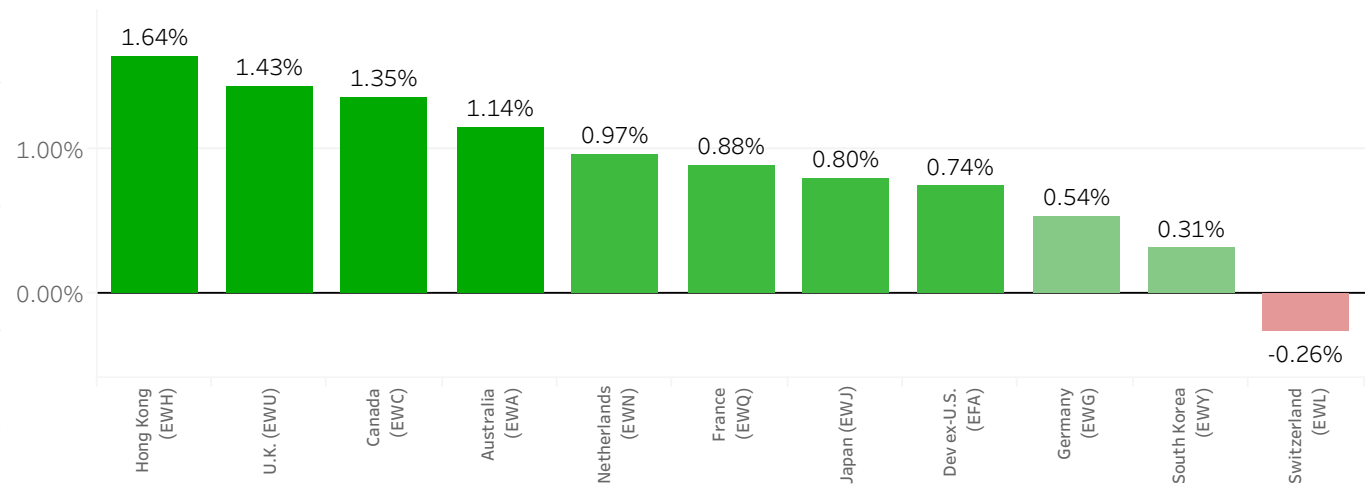
\* ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day



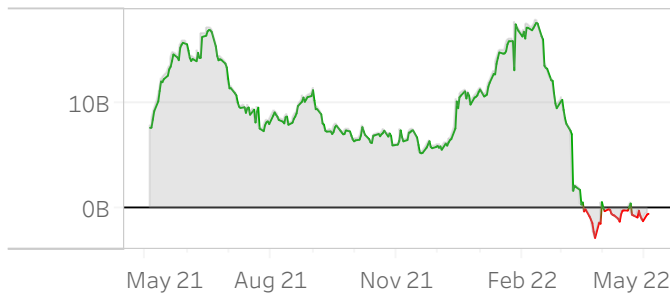
Developed ex-U.S. (EFA)



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



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



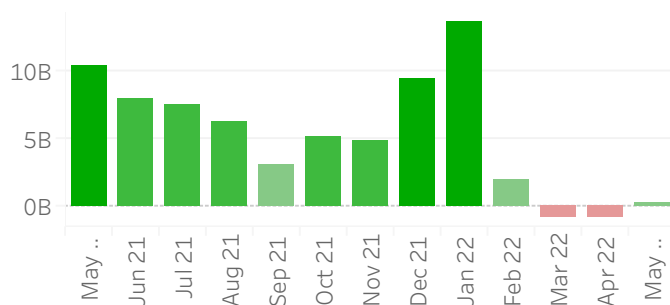
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
FSZ	First Trust Switzerland AlphaDEX Fund	7.25%
FKU	First Trust United Kingdom AlphaDEX Fund	4.12%
EWP	iShares MSCI Spain ETF	1.68%
EWO	iShares MSCI Austria ETF	1.67%
EWK	iShares MSCI Hong Kong ETF	1.64%
DFIV	Dimensional International Value ETF	1.63%
FYLD	Cambria Foreign Shareholder Yield ETF	1.55%
NORW	Global X MSCI Norway ETF	1.52%
FIDI	Fidelity International High Dividend ETF	1.46%
EWU	iShares MSCI United Kingdom ETF	1.43%

Developed ex-U.S. Most Overbought

Ticker	Fund	Price
DXJ	WisdomTree Japan Hedged Equity Fund	55.55
LVHI	Legg Mason International Low Volatility High Dividend ETF	53.82
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	53.01
HEWJ	iShares Currency Hedged MSCI Japan ETF	52.97
EUSC	WisdomTree Europe Hedged SmallCap Equity Fund	49.81
DBEF	Xtrackers MSCI EAFE Hedged Equity ETF	49.42
HEFA	iShares Currency Hedged MSCI EAFE ETF	49.29
DDWM	WisdomTree Dynamic Currency Hedged International Equi..	47.93
DBEU	Xtrackers MSCI Europe Hedged Equity ETF	47.84
HEZU	iShares Currency Hedged MSCI Eurozone ETF	47.40

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
CIL	VictoryShares International Volatility Wtd ETF	-0.80%
ENZL	iShares MSCI New Zealand ETF	-0.44%
EWL	iShares MSCI Switzerland ETF	-0.26%
WPS	iShares International Developed Property ETF	-0.14%
EIS	iShares MSCI Israel ETF	-0.13%
ISRA	VanEck Israel ETF	0.00%
PTIN	Pacer Trendpilot International ETF	0.02%
EWUS	iShares MSCI United Kingdom Small Cap ETF	0.10%
IHDG	WisdomTree International Hedged Quality Dividend Grow..	0.17%
EFAD	ProShares MSCI EAFE Dividend Growers ETF	0.21%

Developed ex-U.S. Most Oversold

Ticker	Fund	Price
WPS	iShares International Developed Property ETF	24.99
ENZL	iShares MSCI New Zealand ETF	26.72
PTIN	Pacer Trendpilot International ETF	29.52
EWUS	iShares MSCI United Kingdom Small Cap ETF	30.33
EIS	iShares MSCI Israel ETF	31.69
EFAD	ProShares MSCI EAFE Dividend Growers ETF	31.71
EWL	iShares MSCI Switzerland ETF	32.38
ISRA	VanEck Israel ETF	33.18
IEUS	iShares MSCI Europe Small-Cap ETF	33.22
EFAD	ProShares MSCI EAFE Min Vol Factor ETF	33.51

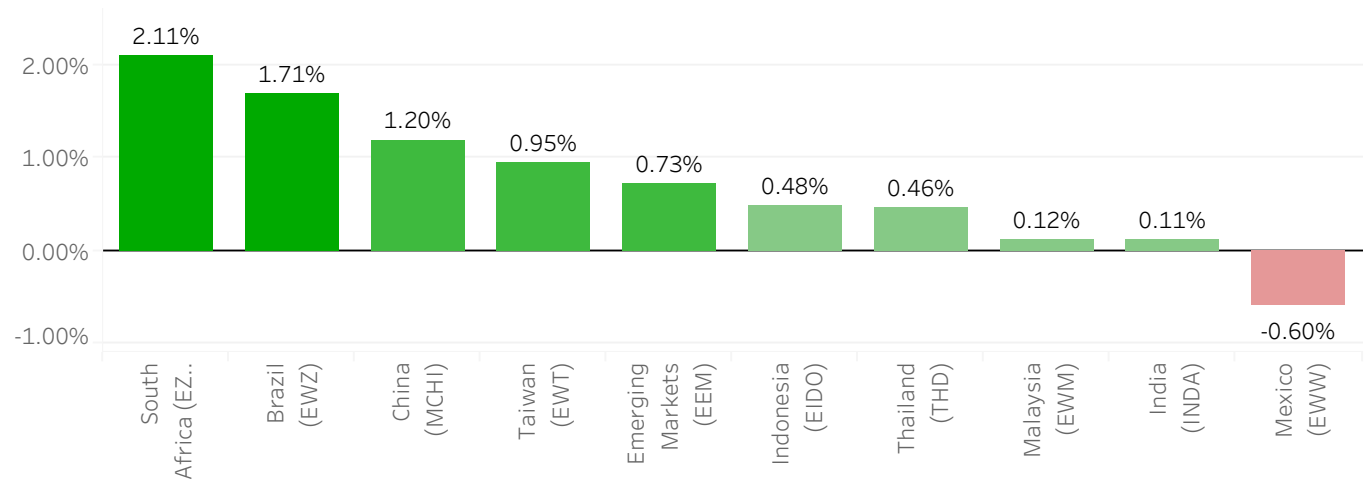
\*ETF Landscape represented using the ETF Action classification system\*\*Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify \*\*\*Flows delayed one day



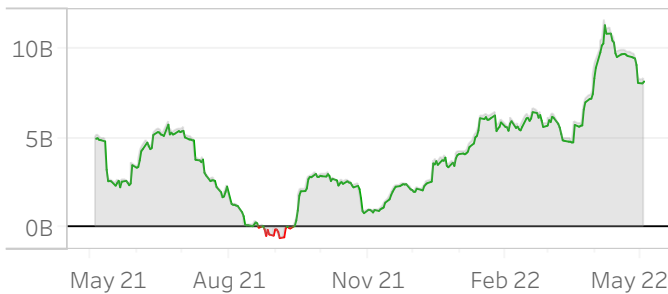
Emerging (EEM)



Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



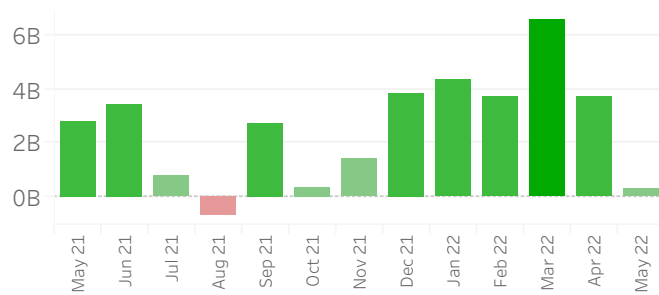
Emerging 1-Day Performance Leaders

Ticker	Fund	Performance
EWZS	iShares MSCI Brazil Small-Cap ETF	2.15%
EZA	iShares MSCI South Africa ETF	2.11%
ECH	iShares MSCI Chile ETF	1.95%
DVYE	iShares Emerging Markets Dividend ETF	1.93%
FLBR	Franklin FTSE Brazil ETF	1.73%
FEMS	First Trust Emerging Markets Small Cap AlphaDEX Fund	1.72%
EWZ	iShares MSCI Brazil ETF	1.71%
ECNS	iShares MSCI China Small-Cap ETF	1.65%
KBA	KraneShares Bosera MSCI China A 50 Connect Index ETF	1.47%
SDEM	Global X MSCI SuperDividend Emerging Markets ETF	1.47%

Emerging Most Overbought

Ticker	Fund	Price
IDX	VanEck Indonesia Index ETF	61.50
KSA	iShares MSCI Saudi Arabia ETF	59.77
EIDO	iShares MSCI Indonesia ETF	58.20
FXI	iShares China Large-Cap ETF	52.27
PGJ	Invesco Golden Dragon China ETF	50.87
MCHI	iShares MSCI China ETF	50.22
TUR	iShares MSCI Turkey ETF	49.81
FLCH	Franklin FTSE China ETF	49.79
GXC	SPDR S&P China ETF	49.55
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	48.61

Emerging Monthly Flows



Emerging 1-Day Performance Laggards

Ticker	Fund	Performance
EWW	iShares MSCI Mexico ETF	-0.60%
KSA	iShares MSCI Saudi Arabia ETF	-0.45%
EPHE	iShares MSCI Philippines ETF	-0.42%
GLIN	VanEck India Growth Leaders ETF	-0.24%
TUR	iShares MSCI Turkey ETF	-0.18%
PGJ	Invesco Golden Dragon China ETF	-0.18%
SMIN	iShares MSCI India Small Cap ETF	-0.04%
EPI	WisdomTree India Earnings Fund	-0.03%
INDY	iShares India 50 ETF	0.00%
FLIN	Franklin FTSE India ETF	0.03%

Emerging Most Oversold

Ticker	Fund	Price
EPOL	iShares MSCI Poland ETF	27.38
EPU	iShares MSCI Peru ETF	29.92
ILF	iShares Latin America 40 ETF	30.84
FRDM	Freedom 100 Emerging Markets ETF	30.99
EWZ	iShares MSCI Brazil ETF	31.86
FLBR	Franklin FTSE Brazil ETF	32.25
EWW	iShares MSCI Mexico ETF	32.48
EZA	iShares MSCI South Africa ETF	32.91
EPHE	iShares MSCI Philippines ETF	33.44
AFK	VanEck Africa Index ETF	33.59

\* 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	0.23%	-3.94%	-9.72%
SHY	1-3 Year Treasury Bonds	-0.05%	-0.34%	-3.04%
IEF	7-10 Year Treasury Bonds	0.12%	-4.21%	-10.89%
TLT	20+ Year Treasury Bonds	0.67%	-10.73%	-19.92%
TIP	TIPS Bonds	0.36%	-2.70%	-6.21%
FLOT	Floating Rate Bonds	-0.10%	-0.03%	-0.25%
LQD	Investment Grade Corporate	0.64%	-6.97%	-14.48%
HYG	High Yield Corporate	0.52%	-3.66%	-8.23%
BKLN	Senior Loan	0.14%	-1.29%	-1.67%
PFF	Preferred & Income Securities	0.33%	-7.34%	-14.07%
MUB	Municipal Bonds	0.02%	-2.59%	-7.94%
MBB	MBS	0.08%	-3.55%	-8.70%
EMB	Dollar Denominated EM Bonds	0.42%	-7.13%	-15.85%
LEMB	Local Currency EM Bond	0.29%	-5.27%	-10.71%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	-0.65%	4.01%	33.90%
DBE	Energy	-1.75%	10.29%	51.17%
USO	WTI Crude Oil	-2.16%	3.40%	41.08%
BNO	Brent Crude Oil	-2.67%	1.38%	44.43%
UNG	Natural Gas	3.04%	34.49%	114.49%
UGA	Gasoline	-0.24%	11.93%	52.83%
DBP	Precious Metals	0.12%	-4.40%	0.26%
GLD	Gold	0.26%	-3.01%	1.83%
SLV	Silver	-0.19%	-8.40%	-3.16%
PPLT	abrdn Physical Platin..	2.63%	-2.90%	-0.66%
PALL	abrdn Physical Palla..	1.66%	-1.30%	18.74%
DBB	Base Metals	-0.98%	-11.04%	4.27%
CPER	Copper	0.15%	-9.46%	-4.67%
LD	Lead	0.00%	-4.85%	-0.94%
JJN	Nickel	-0.39%	-10.73%	48.41%
JJU	Aluminum	-0.56%	-15.00%	4.28%
JJT	Tin	2.51%	-9.53%	4.86%
DBA	Agriculture	-0.55%	0.60%	10.73%
CORN	Corn	-1.15%	8.24%	35.98%
SOYB	Soybeans	-0.64%	5.52%	22.73%
WEAT	Wheat	-0.38%	8.26%	41.95%
CANE	Sugar	-0.42%	-1.36%	2.50%
BAL	Cotton	-1.35%	12.46%	36.97%
NIB	Cocoa	-0.52%	-2.25%	-1.41%
JO	Coffee	1.41%	-3.70%	-2.52%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	-0.18%	5.01%	7.92%
UDN	Short Dollar	0.19%	-4.94%	-7.86%
FXE	Euro	0.20%	-4.85%	-7.79%
FXB	British Pound Sterling	0.03%	-4.77%	-7.70%
FXF	Swiss Franc	-0.07%	-5.55%	-7.17%
FXJ	Japanese Yen	0.07%	-5.85%	-11.69%
FXC	Canadian Dollar	0.34%	-2.52%	-1.63%
FXA	Australian Dollar	0.61%	-5.45%	-2.42%

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