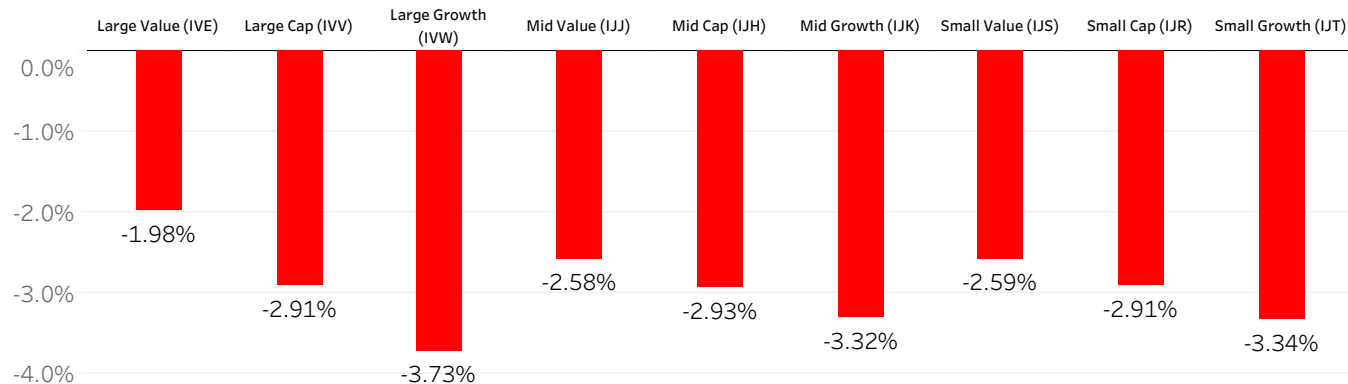


Large Cap Blend (S&P 500) IVV



U.S. Size & Style 1-Day Performance



Mid Cap Blend (S&P 400) IJH



Size & Style 1-Day Performance Leaders

Ticker	Fund	Performance
ONOF	Global X Adaptive U.S. Risk Management ETF	0.23%
PTNQ	Pacer Trendpilot 100 ETF	0.06%
SPC	CrossingBridge Pre-Merger SPAC ETF	-0.05%
SIXA	ETC 6 Meridian Mega Cap Equity ETF	-0.08%
PTMC	Pacer Trendpilot US Mid Cap ETF	-0.09%
RBUS	Nationwide Risk-Based U.S. Equity ETF	-0.18%
UTRN	Vesper U.S. Large Cap Short-Term Reversal Strategy ETF	-0.32%
FLLV	Franklin Liberty U.S. Low Volatility ETF	-0.53%
DIVZ	TrueShares Low Volatility Equity Income ETF	-0.71%
MMTM	SPDR S&P 1500 Momentum Tilt ETF	-0.73%

Size & Style Most Overbought

Ticker	Fund	Value
SPC	CrossingBridge Pre-Merger SPAC ETF	57.61
SPHD	Invesco S&P 500 High Dividend Low Volatility ETF	46.49
SPLV	Invesco S&P 500 Low Volatility ETF	45.02
LVHD	Legg Mason Low Volatility High Dividend ETF	44.88
HUSV	First Trust Horizon Managed Volatility Domestic ETF	44.87
XMLV	Invesco S&P MidCap Low Volatility ETF	44.55
DVOL	First Trust Dorsey Wright Momentum & Low Volatility ETF	44.51
ALTL	Pacer Lunt Large Cap Alternator ETF	44.25
SDOG	ALPS Sector Dividend Dogs ETF	43.42
RDIV	Invesco S&P Ultra Dividend Revenue ETF	43.03

Small Cap Blend (S&P 600) IJR



Size & Style 1-Day Performance Laggards

Ticker	Fund	Performance
IPO	Renaissance IPO ETF	-4.68%
PABU	iShares Paris-Aligned Climate MSCI USA ETF	-4.64%
QQH	HCM Defender 100 Index ETF	-4.56%
BUZZ	VanEck Social Sentiment ETF	-4.45%
MGK	Vanguard Mega Cap Growth ETF	-4.03%
CGGR	Capital Group Growth ETF	-4.03%
SCHG	Schwab U.S. Large-Cap Growth ETF	-3.98%
ILCG	iShares Morningstar Growth ETF	-3.94%
VUG	Vanguard Growth ETF	-3.93%
IWO	iShares Russell 2000 Growth ETF	-3.92%

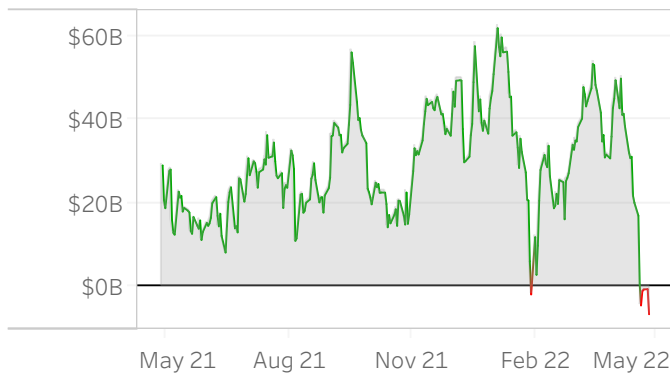
Size & Style Most Oversold

Ticker	Fund	Value
QVML	Invesco S&P 500 QVM Multi-factor ETF	22.41
FFTY	Innovator IBD 50 ETF	25.13
LGH	HCM Defender 500 Index ETF	26.85
ACSI	American Customer Satisfaction ETF	28.60
QQH	HCM Defender 100 Index ETF	28.99
CLRG	IQ Chaikin U.S. Large Cap ETF	30.16
EQWL	Invesco S&P 100 Equal Weight ETF	30.42
MXDU	Nationwide Maximum Diversification US Core Equit..	30.67
SHE	SPDR SSGA Gender Diversity Index ETF	30.69
ABEQ	Absolute Core Strategy ETF	30.92

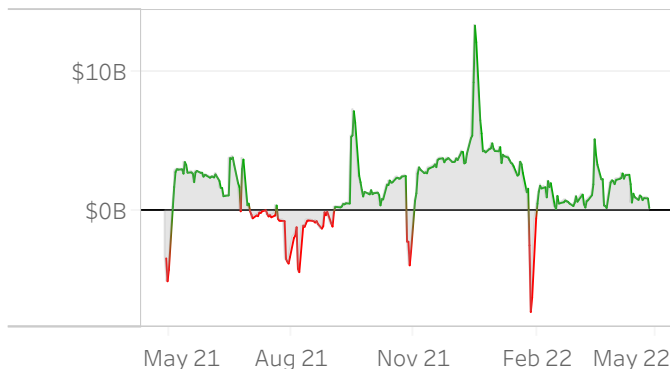
■ Closing Price
 ■ 50 Day Moving Average
 ■ 200 Day Moving Average

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

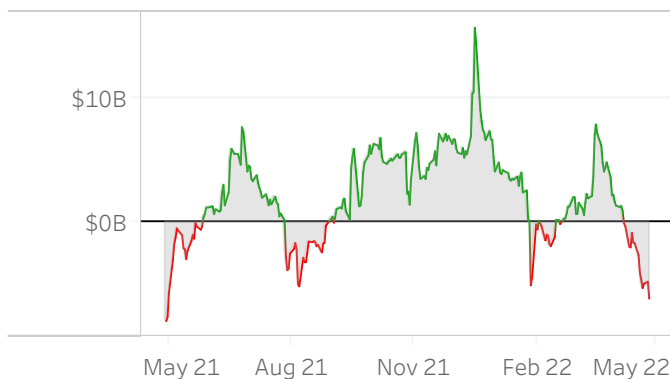
Large-Cap 30-Day Rolling Flows



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	26	\$1,267B	\$2.01B	\$13.72B	\$43.99B	\$121.13B
Large Cap, Beta Growth, Beta: Growth	10	\$234B	(\$0.05B)	\$3.64B	\$4.09B	\$13.04B
Large Cap, Beta Growth, Beta: Value	11	\$224B	(\$0.40B)	\$9.27B	\$16.64B	\$29.18B
Mid Cap, Beta, Beta	10	\$184B	\$0.07B	\$1.88B	\$7.46B	\$10.39B
Mid Cap, Beta, Beta: Growth	6	\$34B	(\$0.13B)	(\$0.44B)	\$0.12B	(\$0.56B)
Mid Cap, Beta, Beta: Value	6	\$42B	(\$0.22B)	(\$0.48B)	\$0.08B	\$1.28B
Small Cap, Beta, Beta	12	\$203B	(\$0.14B)	(\$1.72B)	\$5.03B	\$12.23B
Small Cap, Beta, Beta: Growth	7	\$32B	(\$0.09B)	\$0.21B	\$0.67B	\$0.40B
Small Cap, Beta, Beta: Value	7	\$53B	(\$0.30B)	(\$3.43B)	(\$1.94B)	(\$1.53B)

U.S. Size & Style Flow Leaders

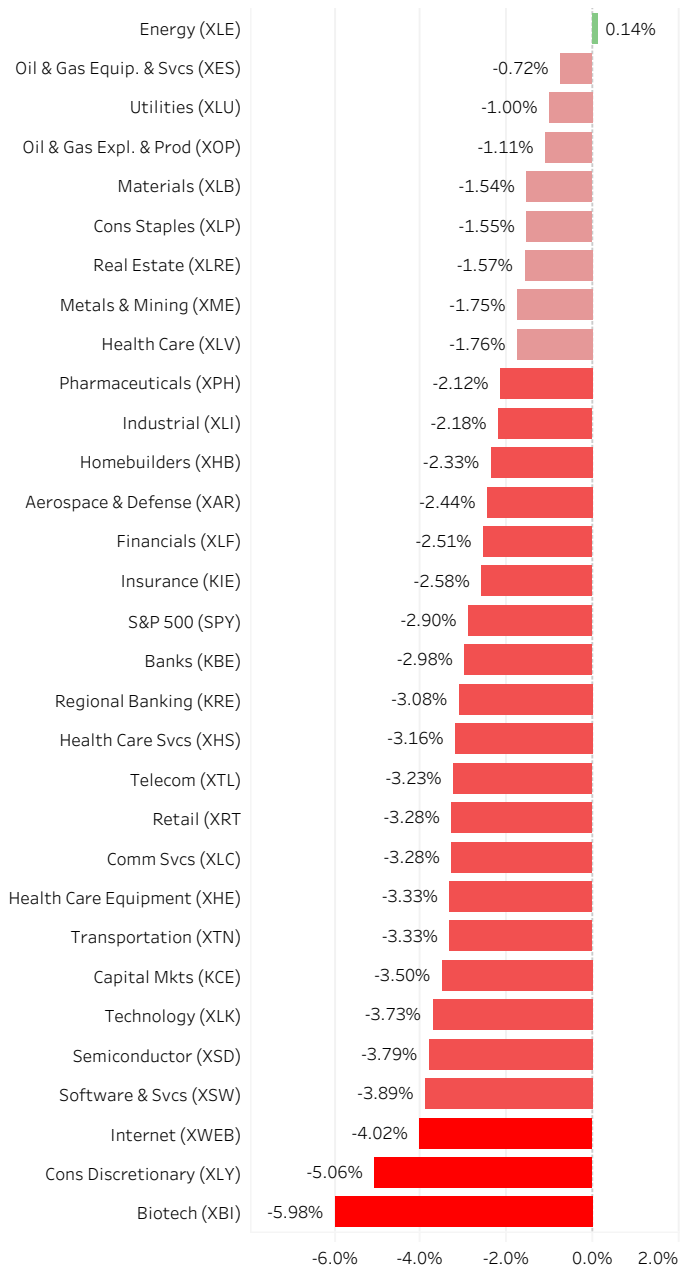
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	\$4.33B	(\$8.82B)	\$2.80B	\$23.24B	\$387.98B
VOO	Vanguard S&P 500 ETF	\$0.83B	\$10.53B	\$17.14B	\$41.05B	\$266.20B
VTI	Vanguard Total Stock Market ETF	\$0.81B	\$6.23B	\$20.56B	\$40.90B	\$276.78B
ESGU	iShares ESG Aware MSCI USA ETF	\$0.40B	\$1.45B	\$3.15B	\$8.02B	\$24.35B
IWM	iShares Russell 2000 ETF	\$0.33B	(\$3.02B)	(\$3.17B)	(\$1.76B)	\$57.23B
COWZ	Pacer US Cash Cows 100 ETF	\$0.23B	\$2.71B	\$3.47B	\$3.95B	\$4.50B
SCHD	Schwab US Dividend Equity ETF	\$0.23B	\$3.31B	\$5.27B	\$11.41B	\$34.98B
MTUM	iShares MSCI USA Momentum Factor ETF	\$0.22B	(\$0.56B)	(\$2.74B)	(\$2.23B)	\$11.30B
FDL	First Trust Morningstar Dividend Leaders Ind..	\$0.20B	\$0.52B	\$0.57B	\$0.59B	\$2.43B
VTV	Vanguard Value ETF	\$0.18B	\$7.74B	\$11.70B	\$19.35B	\$101.35B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IVV	iShares Core S&P 500 ETF	(\$2.86B)	\$3.95B	\$9.95B	\$20.03B	\$304.10B
SPYV	SPDR Portfolio S&P 500 Value ETF	(\$0.61B)	\$0.57B	\$0.56B	\$1.81B	\$13.78B
IWS	iShares Russell Mid-Cap Value ETF	(\$0.33B)	(\$0.49B)	(\$0.20B)	(\$0.26B)	\$14.16B
VTWO	Vanguard Russell 2000 ETF	(\$0.32B)	\$0.37B	\$1.07B	\$2.31B	\$6.50B
IWN	iShares Russell 2000 Value ETF	(\$0.26B)	(\$1.52B)	(\$1.60B)	(\$2.51B)	\$13.36B
QQQ	Invesco QQQ Trust	(\$0.24B)	\$4.76B	\$6.61B	\$21.08B	\$176.75B
IJR	iShares Core S&P Small Cap ETF	(\$0.17B)	(\$0.02B)	\$3.80B	\$4.58B	\$68.89B
MDY	SPDR S&P Midcap 400 ETF Trust	(\$0.17B)	(\$0.45B)	(\$0.67B)	(\$1.28B)	\$19.21B
IWD	iShares Russell 1000 Value ETF	(\$0.16B)	(\$1.11B)	(\$0.05B)	\$1.08B	\$55.59B
SPYG	SPDR Portfolio S&P 500 Growth ETF	(\$0.12B)	\$0.41B	\$0.47B	\$2.86B	\$12.97B

* 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)
XLP	Consumer Staples Select Sector SPDR Fund	-2.74%	13.90%	3.15%	6.29%	54.01
XLU	Utilities Select Sector SPDR Fund	-5.15%	15.45%	1.47%	6.13%	41.72
XLRE	Real Estate Select Sector SPDR Fund	-6.64%	17.86%	2.31%	1.90%	47.82
XLB	Materials Select Sector SPDR Fund	-7.10%	6.41%	-1.89%	-1.51%	35.91
XLV	Health Care Select Sector SPDR Fund	-7.44%	8.96%	-1.53%	-0.80%	39.12
XLE	Energy Select Sector SPDR Fund	-8.94%	61.13%	-1.62%	21.86%	39.98
XLI	Industrial Select Sector SPDR Fund	-10.12%	0.71%	-3.94%	-6.09%	32.77
SPY	SPDR S&P 500 ETF Trust	-12.90%	2.64%	-5.09%	-7.34%	32.31
XLF	Financial Select Sector SPDR Fund	-14.73%	0.60%	-6.85%	-8.59%	30.23
XLY	Consumer Discretionary Select Sector SPDR Fund	-20.48%	3.03%	-5.56%	-10.56%	36.28
XLK	Technology Select Sector SPDR Fund	-20.85%	6.48%	-7.83%	-11.83%	33.90
XLC	Communication Services Select Sector SPDR Fund	-30.13%	0.00%	-10.28%	-21.15%	29.68

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
PXI	Invesco DWA Energy Momentum ETF	0.24%
RYE	Invesco S&P 500 Equal Weight Energy ETF	0.20%
XLE	Energy Select Sector SPDR Fund	0.14%
MLPX	Global X MLP & Energy Infrastructure ETF	0.10%
VDE	Vanguard Energy ETF	0.01%
FENY	Fidelity MSCI Energy Index ETF	0.00%
IEZ	iShares U.S. Oil Equipment & Services ETF	0.00%
IYE	iShares U.S. Energy ETF	0.00%
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	-0.02%
ENFR	Alerian Energy Infrastructure ETF	-0.27%

Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
RHS	Invesco S&P 500 Equal Weight Consumer Staples ETF	56.04
IYK	iShares U.S. Consumer Staples ETF	55.90
XLP	Consumer Staples Select Sector SPDR Fund	54.01
FSTA	FIDELITY COVINGTON TRUST MSCI CONSUMER STAPLES..	52.47
VDC	Vanguard Consumer Staples ETF	52.26
NURE	Nuveen Short-Term REIT ETF	50.61
FXG	First Trust Consumer Staples AlphaDEX Fund	49.90
PSR	Invesco Active U.S. Real Estate Fund	49.36
INDS	Pacer Benchmark Industrial Real Estate SCTR ETF	48.77
ICF	iShares Cohen & Steers REIT ETF	48.65

Sector & Industry 1 Day Performance Laggards

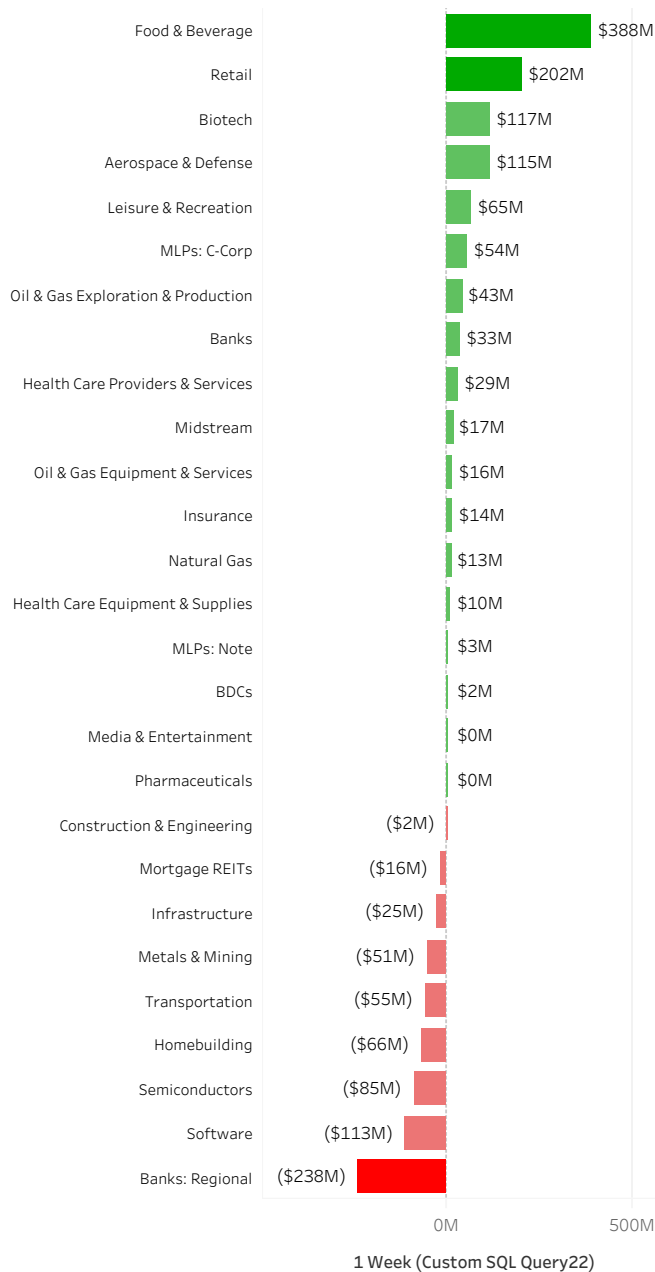
Ticker	Fund	1 Day Performance
XBI	SPDR S&P BIOTECH ETF	-5.98%
XLY	Consumer Discretionary Select Sector SPDR Fund	-5.06%
VCR	Vanguard Consumer Discretionary ETF	-4.71%
FDIS	Fidelity MSCI Consumer Discretionary Index ETF	-4.63%
SOXX	iShares Semiconductor ETF	-4.43%
FBT	First Trust NYSE Arca Biotechnology Index Fund	-4.30%
XNTK	SPDR NYSE Technology ETF	-4.11%
BIZD	VanEck BDC Income ETF	-4.06%
SOXQ	Invesco PHLX Semiconductor ETF	-4.06%
IYC	iShares U.S. Consumer Discretionary ETF	-4.05%

Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
KBWD	Invesco KBW High Dividend Yield Financial ETF	27.20
MORT	VanEck Mortgage REIT Income ETF	28.00
REM	iShares Mortgage Real Estate ETF	28.61
FCOM	Fidelity MSCI Communication Services Index ETF	29.17
VOX	Vanguard Communication Services ETF	29.21
IYZ	iShares U.S. Telecommunications ETF	29.40
IYF	iShares U.S. Financials ETF	29.56
BIZD	VanEck BDC Income ETF	29.64
XLC	Communication Services Select Sector SPDR Fund	29.68
XLF	Financial Select Sector SPDR Fund	30.23

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

U.S. Sector & Industry 1-Week Flows



U.S. Sector Landscape

	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Communication Services	9	\$15B	(\$100M)	(\$472M)	(\$1,639M)	\$390M
Consumer Discretionary	13	\$29B	(\$565M)	(\$2,291M)	(\$3,012M)	(\$3,206M)
Consumer Staples	12	\$28B	\$624M	\$2,316M	\$5,732M	\$6,696M
Energy	34	\$76B	\$142M	\$881M	\$4,672M	\$5,062M
Financials	28	\$72B	(\$2,121M)	(\$8,478M)	(\$3,795M)	\$671M
Health Care	26	\$90B	(\$95M)	\$3,172M	\$8,917M	\$12,433M
Industrial	14	\$33B	\$26M	\$197M	(\$706M)	(\$5,185M)
Materials	10	\$20B	\$46M	\$2,218M	\$2,866M	\$2,863M
Multi-Sector	18	\$17B	(\$80M)	(\$4,235M)	(\$4,082M)	(\$2,781M)
Real Estate	23	\$80B	(\$277M)	(\$1,912M)	\$2,317M	\$8,643M
Technology	24	\$130B	(\$478M)	\$739M	\$1,210M	\$6,459M
Utilities	10	\$25B	\$155M	\$1,905M	\$2,967M	\$3,081M

U.S. Sector & Industry Flow Leaders

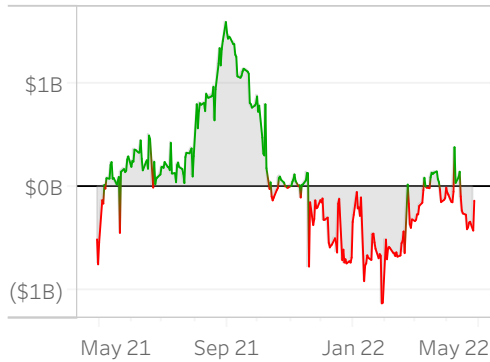
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
FTXG	First Trust Nasdaq Food & Beverage ETF	\$350M	\$355M	\$357M	\$357M	\$361M
XRT	SPDR S&P Retail ETF	\$205M	\$256M	(\$252M)	\$211M	\$777M
XBI	SPDR S&P BIOTECH ETF	\$170M	\$601M	\$2,344M	\$2,257M	\$6,205M
FTXN	First Trust Nasdaq Oil & Gas ETF	\$134M	(\$63M)	\$893M	\$922M	\$1,271M
XLB	Materials Select Sector SPDR Fund	\$109M	(\$209M)	\$257M	(\$287M)	\$7,821M
XLP	Consumer Staples Select Sector SPDR Fund	\$85M	\$1,070M	\$3,783M	\$4,628M	\$16,831M
ITA	iShares U.S. Aerospace & Defense ETF	\$76M	\$1,333M	\$1,266M	\$887M	\$3,895M
XLU	Utilities Select Sector SPDR Fund	\$69M	\$1,028M	\$1,715M	\$1,520M	\$15,373M
MLPA	Global X MLP ETF	\$68M	\$78M	\$23M	\$159M	\$1,194M
VGT	Vanguard Information Technology ETF	\$65M	\$1,037M	\$339M	\$2,846M	\$46,785M

U.S. Sector & Industry Flow Laggards

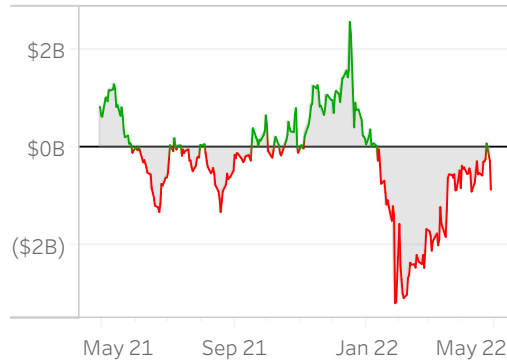
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLF	Financial Select Sector SPDR Fund	(\$1,684M)	(\$5,229M)	(\$1,931M)	(\$916M)	\$38,812M
FXD	First Trust Consumer Discretionary AlphaDEX F..	(\$670M)	(\$951M)	(\$1,064M)	(\$952M)	\$665M
XLK	Technology Select Sector SPDR Fund	(\$347M)	\$751M	\$1,153M	\$2,393M	\$43,015M
XLV	Health Care Select Sector SPDR Fund	(\$315M)	\$2,723M	\$5,901M	\$9,297M	\$37,506M
KRE	SPDR S&P Regional Banking ETF	(\$224M)	(\$800M)	(\$612M)	(\$80M)	\$4,386M
VNQ	Vanguard Real Estate ETF	(\$210M)	\$6M	\$2,128M	\$5,448M	\$47,972M
VFH	Vanguard Financials ETF	(\$179M)	(\$360M)	\$177M	\$764M	\$10,633M
XLE	Energy Select Sector SPDR Fund	(\$132M)	(\$1,687M)	\$160M	\$760M	\$36,756M
IGV	iShares Expanded Tech-Software Sector ETF	(\$111M)	(\$336M)	\$31M	\$321M	\$4,610M
IYR	iShares U.S. Real Estate ETF	(\$97M)	(\$1,746M)	(\$1,571M)	(\$1,659M)	\$5,220M

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

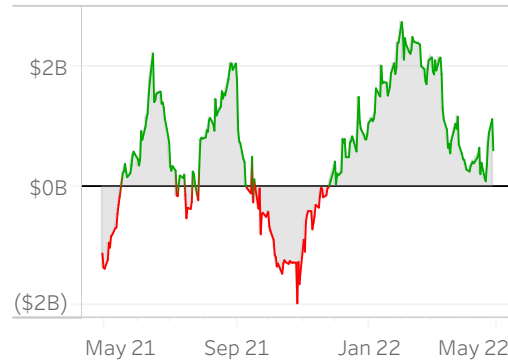
Communication Services



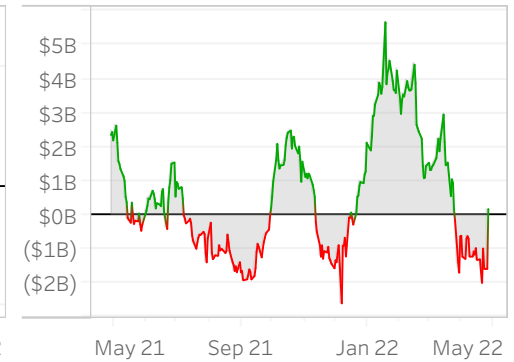
Consumer Discretionary



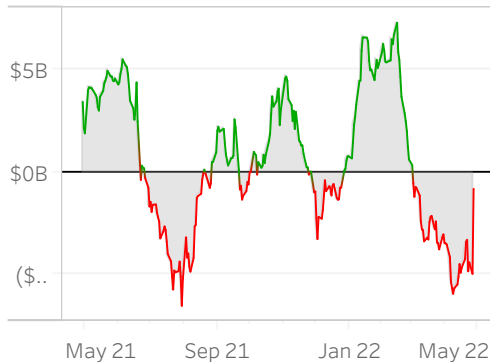
Consumer Staples



Energy



Financials



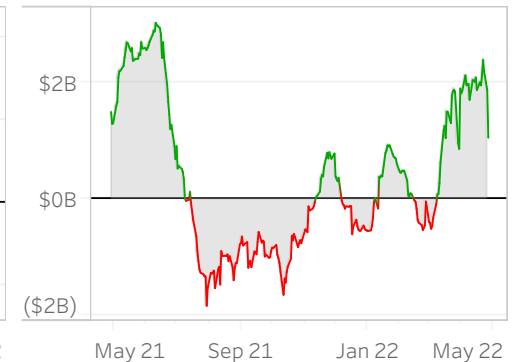
Industrial



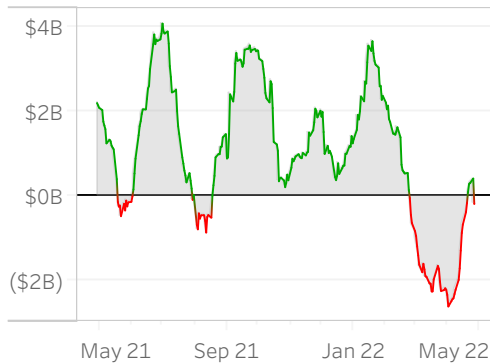
Health Care



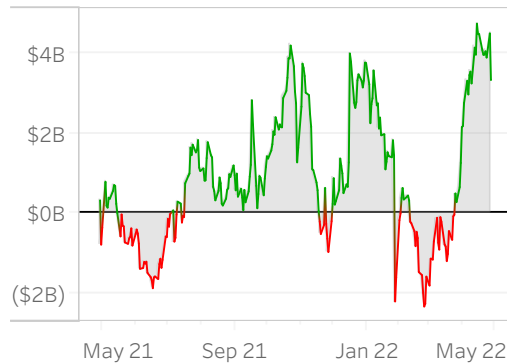
Materials



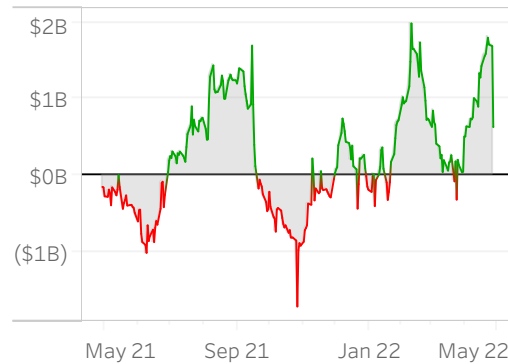
Real Estate



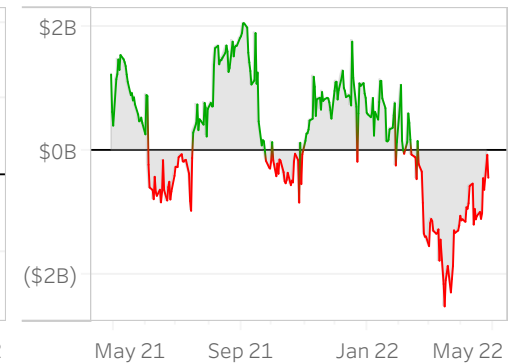
Technology



Utilities

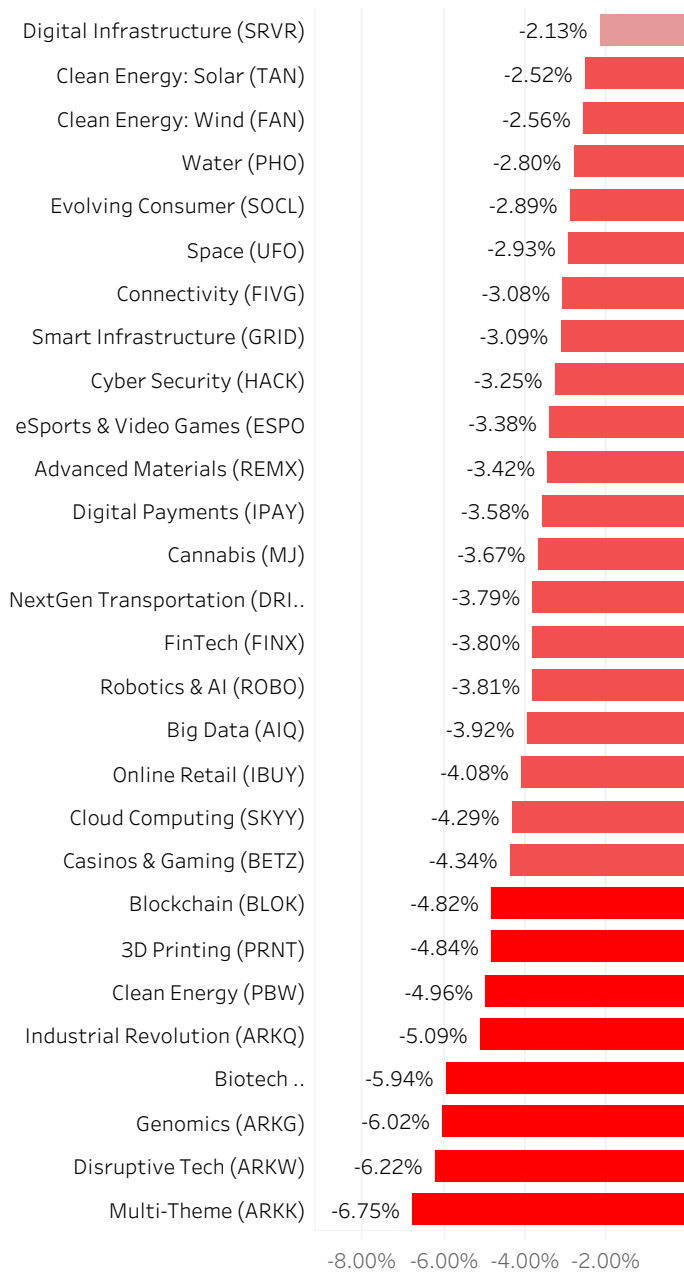


Multi-Sector

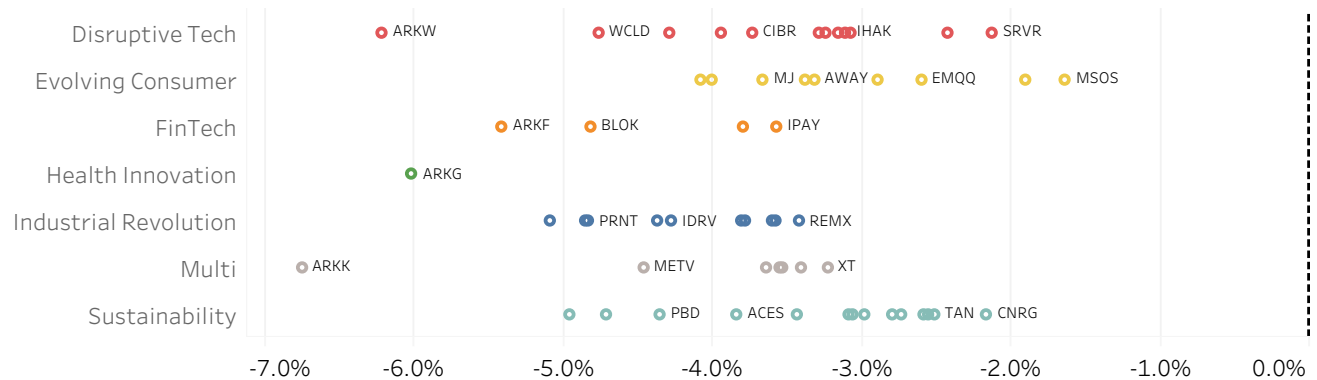


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	Performance
EVX	VanEck Environmental Services ETF	-0.86%
KGRN	KraneShares MSCI China Clean Technology Index ETF	-1.48%
CNBS	Amplify Seymour Cannabis ETF	-1.59%
MSOS	AdvisorShares Pure US Cannabis ETF	-1.64%
GBUY	Goldman Sachs Future Consumer Equity ETF	-1.73%
KWEB	KraneShares CSI China Internet ETF	-1.91%
VPN	Global X Data Center REITs & Digital Infrastructure ETF	-2.13%
SRVR	Pacer Benchmark Data & Infrastructure Real Estate SCTR..	-2.13%
CNRG	SPDR S&P Kensho Clean Power ETF	-2.17%
KEMQ	KraneShares Emerging Markets Consumer Technology In..	-2.27%

Thematic Most Overbought

Ticker	Fund	Price
SRVR	Pacer Benchmark Data & Infrastructure Real Estate SCTR ..	42.30
BUG	Global X Cybersecurity ETF	41.68
EVX	VanEck Environmental Services ETF	39.75
CIBR	First Trust NASDAQ Cybersecurity ETF	39.30
IHAK	iShares Cybersecurity & Tech ETF	39.15
AWAY	ETFMG Travel Tech ETF	38.81
VPN	Global X Data Center REITs & Digital Infrastructure ETF	38.08
WCLD	WisdomTree Cloud Computing Fund	37.24
HACK	ETFMG Prime Cyber Security ETF	36.97
CLOU	Global X Cloud Computing ETF	36.60

Global Thematic 1-Day Performance Laggards

Ticker	Fund	Performance
BKCH	Global X Blockchain ETF	-7.19%
DAPP	VanEck Digital Transformation ETF	-7.10%
ARKK	ARK Innovation ETF	-6.75%
BITQ	Bitwise Crypto Industry Innovators ETF	-6.67%
ARKW	ARK Next Generation Internet ETF	-6.22%
ARKG	ARK Genomic Revolution ETF	-6.02%
SBIO	ALPS Medical Breakthroughs ETF	-5.94%
ARKF	ARK Fintech Innovation ETF	-5.42%
MOON	Direxion Moonshot Innovators ETF	-5.34%
ARKQ	ARK Autonomous Technology & Robotics ETF	-5.09%

Thematic Most Oversold

Ticker	Fund	Price
KSTR	KraneShares SSE STAR Market 50 Index ETF	18.11
LIT	Global X Lithium & Battery Tech ETF	24.61
YOLO	AdvisorShares Pure Cannabis ETF	25.28
PRNT	3D Printing ETF	25.47
CNBS	Amplify Seymour Cannabis ETF	25.65
MSOS	AdvisorShares Pure US Cannabis ETF	26.47
BATT	Amplify Lithium & Battery Technology ETF	26.90
GDOC	Goldman Sachs Future Health Care Equity ETF	27.36
GBUY	Goldman Sachs Future Consumer Equity ETF	27.44
LEGR	First Trust Indxx Innovative Transaction & Process ETF	27.73

* 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
CIBR	First Trust NASDAQ Cybersecurity ETF	\$71M
ARKK	ARK Innovation ETF	\$31M
BUG	Global X Cybersecurity ETF	\$24M
AWAY	ETFMG Travel Tech ETF	\$16M
ACES	ALPS Clean Energy ETF	\$10M
SAMT	Strategas Macro Thematic Opportunities ETF	\$8M
WCLD	WisdomTree Cloud Computing Fund	\$6M
HYDR	Global X Hydrogen ETF	\$5M
AIQ	Global X Artificial Intelligence & Technology ETF	\$5M
IHAK	iShares Cybersecurity & Tech ETF	\$4M

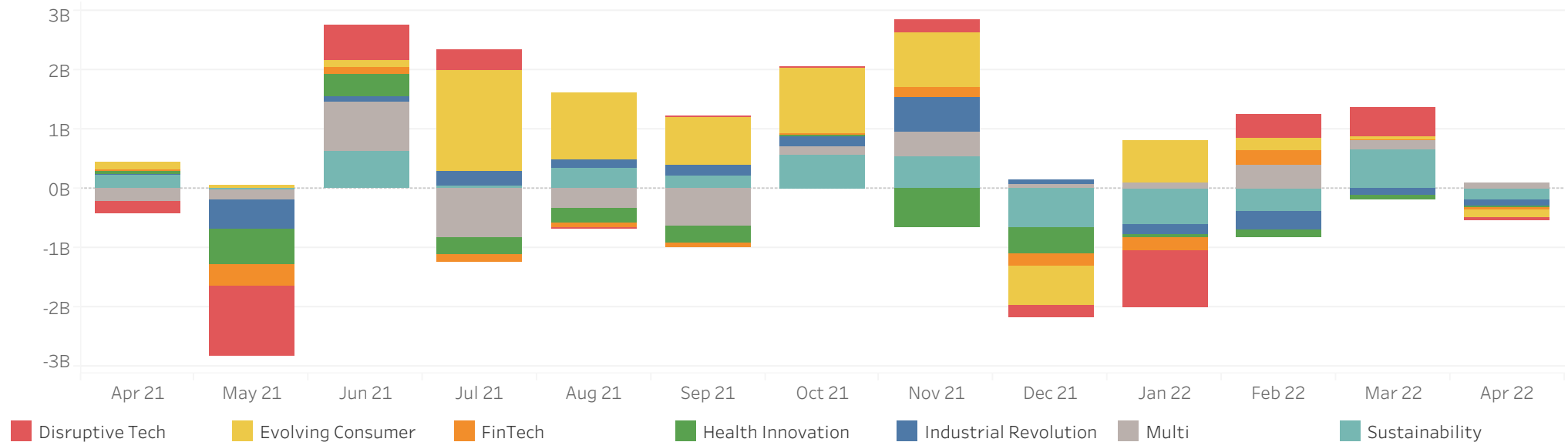
Thematic 1 Week Flow Laggards

Ticker	Fund	Flow
KWEB	KraneShares CSI China Internet ETF	(\$164M)
TAN	Invesco Solar ETF	(\$123M)
ARKG	ARK Genomic Revolution ETF	(\$49M)
ICLN	iShares Global Clean Energy ETF	(\$43M)
BLOK	Amplify Transformational Data Sharing ETF	(\$28M)
EBIZ	Global X E-Commerce ETF	(\$14M)
SKYY	First Trust Cloud Computing ETF	(\$13M)
RNRG	Global X Funds Global X Renewable Energy Producers ETF	(\$12M)
IBUY	Amplify Online Retail ETF	(\$11M)
FIVG	Defiance Next Gen Connectivity ETF	(\$11M)

Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	36	\$23B	\$83M	\$744M	(\$95M)	(\$488M)
Evolving Consumer	46	\$10B	(\$180M)	\$118M	\$951M	\$6,209M
FinTech	22	\$4B	(\$31M)	\$235M	(\$44M)	(\$513M)
Health Innovation	19	\$4B	(\$53M)	(\$249M)	(\$1,405M)	(\$2,357M)
Industrial Revolution	29	\$13B	(\$23M)	(\$461M)	\$185M	\$324M
Multi	38	\$18B	(\$23M)	\$801M	\$961M	(\$102M)
Sustainability	40	\$18B	(\$146M)	(\$22M)	(\$566M)	\$1,237M
Grand Total	230	\$91B	(\$373M)	\$1,167M	(\$14M)	\$4,310M

Thematic Monthly Flows

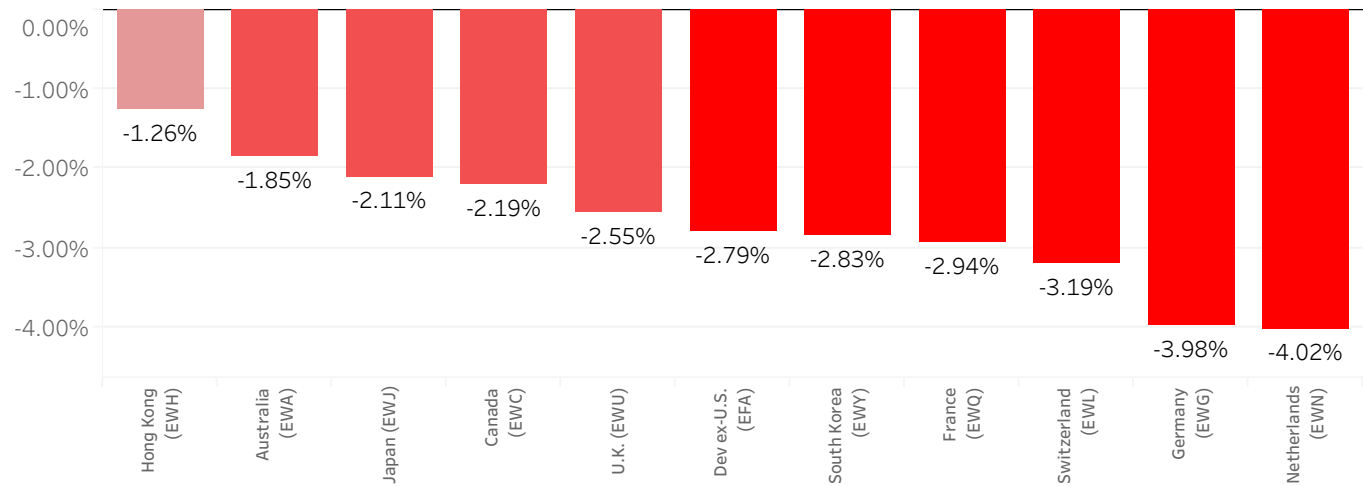


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

Developed ex-U.S. (EFA)



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



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



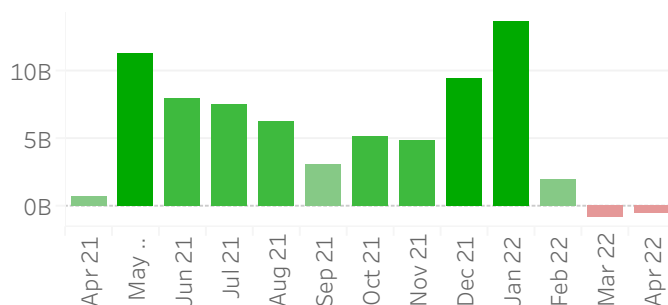
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
GREK	Global X MSCI Greece ETF	0.52%
SCJ	iShares MSCI Japan Small-Cap ETF	-0.58%
PTIN	Pacer Trendpilot International ETF	-0.70%
EWJV	iShares MSCI Japan Value ETF	-0.80%
ENZL	iShares MSCI New Zealand ETF	-0.90%
DFJ	WisdomTree Japan SmallCap Dividend Fund	-0.92%
WPS	iShares International Developed Property ETF	-1.19%
EWJ	iShares MSCI Japan Small-Cap ETF	-1.26%
DEEF	Xtrackers FTSE Developed ex US Multifactor ETF	-1.50%
LVHI	Legg Mason International Low Volatility High Dividend ETF	-1.55%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
GREK	Global X MSCI Greece ETF	50.14
LVHI	Legg Mason International Low Volatility High Dividend ETF	44.87
EUSC	WisdomTree Europe Hedged SmallCap Equity Fund	43.10
DXJ	WisdomTree Japan Hedged Equity Fund	39.78
HEDJ	WisdomTree Europe Hedged Equity Fund	38.71
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	38.55
HEWJ	iShares Currency Hedged MSCI Japan ETF	38.40
EIRL	iShares MSCI Ireland ETF	38.36
HEZU	iShares Currency Hedged MSCI Eurozone ETF	37.60
EWO	iShares MSCI Austria ETF	37.15

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
EWD	iShares MSCI Sweden ETF	-4.72%
EWP	iShares MSCI Spain ETF	-4.15%
EWN	iShares MSCI Netherlands ETF	-4.02%
EWG	iShares MSCI Germany ETF	-3.98%
FKU	First Trust United Kingdom AlphaDEX Fund	-3.83%
EWI	iShares MSCI Italy ETF	-3.62%
EDEN	iShares MSCI Denmark ETF	-3.50%
DMXF	iShares ESG Advanced MSCI EAFE ETF	-3.49%
EZU	iShares MSCI Eurozone ETF	-3.48%
FEZ	SPDR EURO STOXX 50 ETF	-3.45%

Developed ex-U.S. Most Oversold

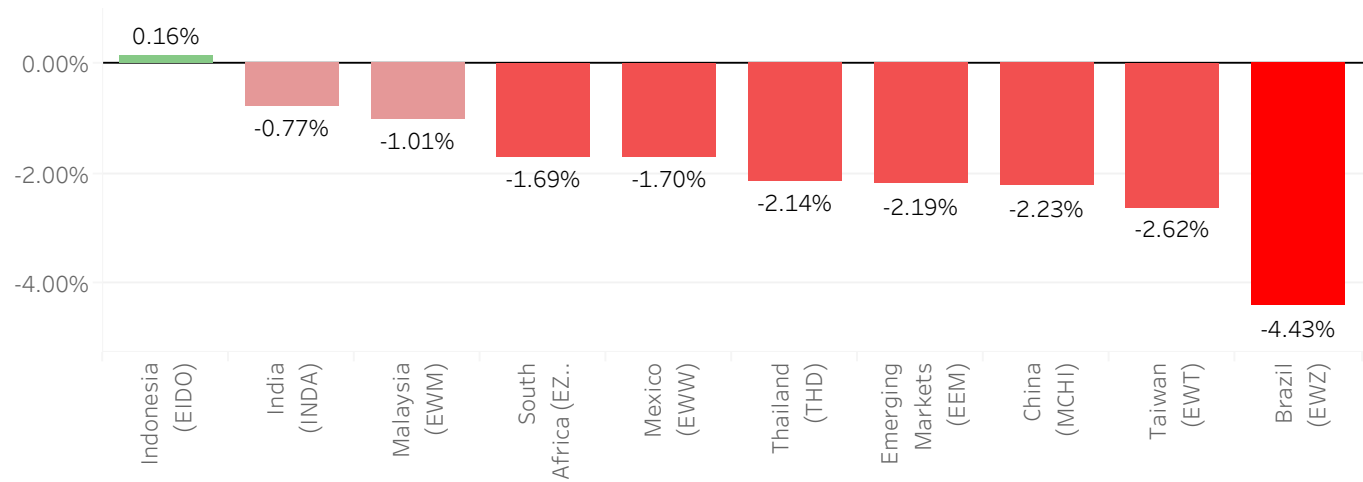
Ticker	Fund	Value
IQDG	WisdomTree International Quality Dividend Growth ..	23.65
PTIN	Pacer Trendpilot International ETF	24.47
RBIN	Nationwide Risk-Based International Equity ETF	26.41
DFJ	WisdomTree Japan SmallCap Dividend Fund	26.96
FKU	First Trust United Kingdom AlphaDEX Fund	26.99
IQLT	iShares MSCI Intl Quality Factor ETF	27.13
BBCA	JPMorgan BetaBuilders Canada ETF	27.38
EFAD	ProShares MSCI EAFE Dividend Growers ETF	27.43
IQSI	IQ Candriam ESG International Equity ETF	27.47
TTAI	FCF International Quality ETF	27.82

*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)



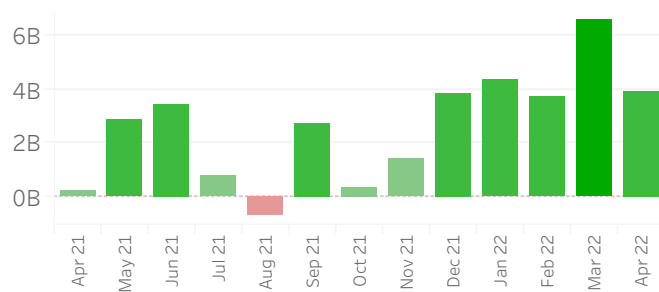
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
IDX	VanEck Indonesia Index ETF	0.18%
EIDO	iShares MSCI Indonesia ETF	0.16%
QAT	iShares MSCI Qatar ETF	-0.21%
FLIN	Franklin FTSE India ETF	-0.37%
NFTY	First Trust India NIFTY 50 Equal Weight ETF	-0.47%
PIN	Invesco India ETF	-0.55%
KBA	KraneShares Boser MSCI China A 50 Connect Index ETF	-0.65%
INDA	iShares MSCI India ETF	-0.77%
EWM	iShares MSCI Malaysia ETF	-1.01%
KSA	iShares MSCI Saudi Arabia ETF	-1.13%

Emerging Most Overbought

Ticker	Fund	Value
IDX	VanEck Indonesia Index ETF	57.82
EIDO	iShares MSCI Indonesia ETF	56.85
TUR	iShares MSCI Turkey ETF	52.33
KSA	iShares MSCI Saudi Arabia ETF	51.97
QAT	iShares MSCI Qatar ETF	45.06
NFTY	First Trust India NIFTY 50 Equal Weight ETF	44.38
FLIN	Franklin FTSE India ETF	43.50
PIN	Invesco India ETF	42.82
INDA	iShares MSCI India ETF	42.63
EPI	WisdomTree India Earnings Fund	40.94

Emerging 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
EPOL	iShares MSCI Poland ETF	-5.27%
EWZ	iShares MSCI Brazil ETF	-4.43%
FLBR	Franklin FTSE Brazil ETF	-4.43%
TUR	iShares MSCI Turkey ETF	-4.10%
EWZS	iShares MSCI Brazil Small-Cap ETF	-3.70%
ILF	iShares Latin America 40 ETF	-3.48%
PGJ	Invesco Golden Dragon China ETF	-2.82%
PIE	Invesco DWA Emerging Markets Momentum ETF	-2.82%
FLN	First Trust Latin America AlphaDEX Fund	-2.63%
EWT	iShares MSCI Taiwan ETF	-2.62%

Emerging Most Oversold

Ticker	Fund	Value
EPU	iShares MSCI Peru ETF	16.26
CNYA	iShares MSCI China A ETF	18.52
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	20.16
EZA	iShares MSCI South Africa ETF	21.60
VNM	VanEck Vietnam ETF	22.08
KBA	KraneShares Boser MSCI China A 50 Connect Index ..	22.91
FRDM	Freedom 100 Emerging Markets ETF	23.45
DEM	WisdomTree Emerging Markets High Dividend Fund	23.68
DGRE	WisdomTree Emerging Markets Quality Dividend Gr..	23.91
DVYE	iShares Emerging Markets Dividend ETF	23.98

*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	0.31%	-1.88%	-8.48%
SHY	1-3 Year Treasury Bonds	0.18%	-0.16%	-2.68%
IEF	7-10 Year Treasury Bonds	0.67%	-1.76%	-9.22%
TLT	20+ Year Treasury Bonds	1.01%	-4.71%	-17.05%
TIP	TIPS Bonds	0.21%	-2.06%	-4.78%
FLOT	Floating Rate Bonds	-0.26%	-0.07%	-0.48%
LQD	Investment Grade Corporate	-0.05%	-3.70%	-12.98%
HYG	High Yield Corporate	-0.59%	-1.89%	-7.63%
BKLN	Senior Loan	-0.51%	0.18%	-1.31%
PFF	Preferred & Income Securities	-0.90%	-3.91%	-12.64%
MUB	Municipal Bonds	0.08%	-2.11%	-7.68%
MBB	MBS	0.61%	-1.80%	-7.61%
EMB	Dollar Denominated EM Bonds	-0.69%	-3.15%	-14.21%
LEMB	Local Currency EM Bond	-0.65%	-2.67%	-9.79%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	0.76%	-1.01%	33.76%
DBE	Energy	2.46%	2.12%	46.25%
USO	WTI Crude Oil	2.42%	-5.30%	40.65%
BNO	Brent Crude Oil	2.28%	-9.20%	43.95%
UNG	Natural Gas	-1.65%	22.22%	90.71%
UGA	Gasoline	2.97%	-1.83%	44.87%
DBP	Precious Metals	-0.20%	-4.19%	2.55%
GLD	Gold	0.15%	-2.77%	3.72%
SLV	Silver	-0.82%	-7.79%	0.65%
PPLT	abrdn Physical Platin..	0.14%	-8.35%	-4.58%
PALL	abrdn Physical Palla..	2.69%	-5.96%	16.00%
DBB	Base Metals	-0.97%	-6.19%	9.52%
CPER	Copper	-1.36%	-5.98%	-1.14%
LD	Lead	-0.25%	0.71%	1.44%
JJN	Nickel	1.64%	-6.84%	60.98%
JJU	Aluminum	-0.78%	-15.55%	8.88%
JJT	Tin	0.82%	-4.53%	4.23%
DBA	Agriculture	0.27%	-0.18%	12.46%
CORN	Corn	1.16%	10.42%	37.79%
SOYB	Soybeans	0.46%	1.50%	24.88%
WEAT	Wheat	2.16%	2.54%	47.23%
CANE	Sugar	-0.32%	-3.08%	2.61%
BAL	Cotton	0.44%	0.73%	24.60%
NIB	Cocoa	0.75%	-3.97%	-4.66%
JO	Coffee	-0.55%	-0.89%	-2.24%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	0.63%	3.56%	6.71%
UDN	Short Dollar	-0.58%	-3.58%	-6.77%
FXE	Euro	-0.64%	-3.17%	-6.72%
FXB	British Pound Sterling	-1.17%	-4.61%	-7.01%
FXF	Swiss Franc	-0.26%	-3.40%	-5.56%
FXJ	Japanese Yen	0.51%	-4.13%	-9.74%
FXC	Canadian Dollar	-0.65%	-2.73%	-1.47%
FXA	Australian Dollar	-0.49%	-5.12%	-1.86%

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