

Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

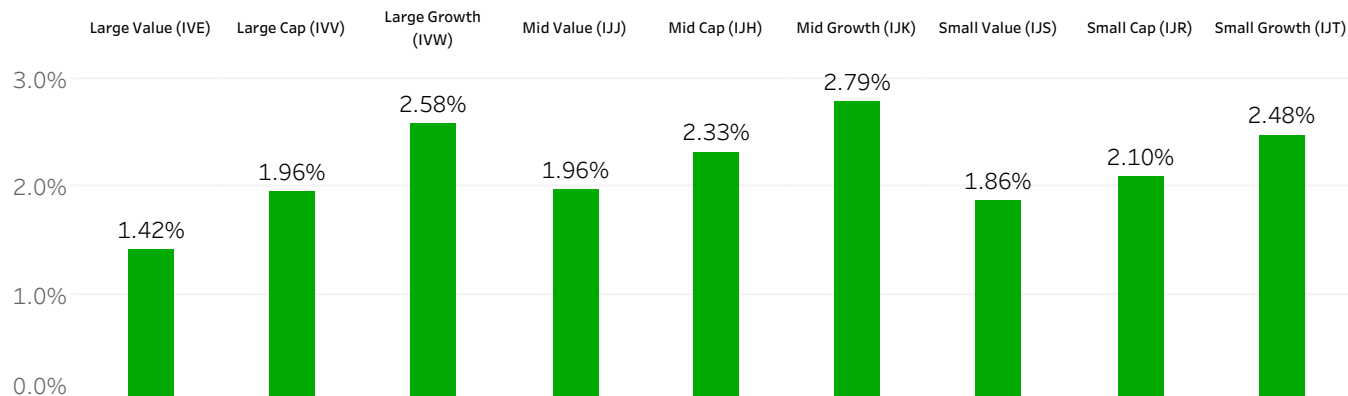


Small Cap Blend (S&P 600) IJR



■ 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
PWC	Invesco Dynamic Market ETF	4.35%
ACSI	American Customer Satisfaction ETF	4.29%
SPHB	Invesco S&P 500 High Beta ETF	4.19%
BUZZ	VanEck Social Sentiment ETF	4.04%
RFG	Invesco S&P Midcap 400 Pure Growth ETF	3.63%
SIXS	ETC 6 Meridian Small Cap Equity ETF	3.62%
IPO	Renaissance IPO ETF	3.49%
QVAL	Alpha Architect U.S. Quantitative Value ETF	3.36%
NUMG	Nuveen ESG Mid-Cap Growth ETF	3.34%
RPG	Invesco S&P 500 Pure Growth ETF	3.20%

Size & Style Most Overbought

Ticker	Fund	Value
FDL	First Trust Morningstar Dividend Leaders Index Fund	61.30
DIVZ	TrueShares Low Volatility Equity Income ETF	61.04
DHS	WisdomTree U.S. High Dividend Fund	59.16
DVY	iShares Select Dividend ETF	58.69
HDV	iShares Core High Dividend ETF	58.58
PEY	Invesco High Yield Equity Dividend Achievers ETF	58.41
WBIY	WBI Power Factor High Dividend ETF	57.59
EQRR	ProShares Equities for Rising Rates ETF	57.37
DIV	Global X SuperDividend US ETF	57.31
SPYD	SPDR Portfolio S&P 500 High Dividend ETF	57.10

Size & Style 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
PTMC	Pacer Trendpilot US Mid Cap ETF	-0.01%
GUSA	Goldman Sachs MarketBeta U.S. 1000 Equity ETF	0.00%
NZUS	SPDR MSCI USA Climate Paris Aligned ETF	0.00%
PABU	iShares Paris-Aligned Climate MSCI USA ETF	0.00%
PTLC	Pacer Trendpilot US Large Cap ETF	0.00%
QVML	Invesco S&P 500 QVM Multi-factor ETF	0.00%
SSPY	Syntax Stratified LargeCap ETF	0.00%
VFMV	Vanguard U.S. Minimum Volatility ETF	0.00%
SPC	CrossingBridge Pre-Merger SPAC ETF	0.10%
ONOF	Global X Adaptive U.S. Risk Management ETF	0.12%

Size & Style Most Oversold

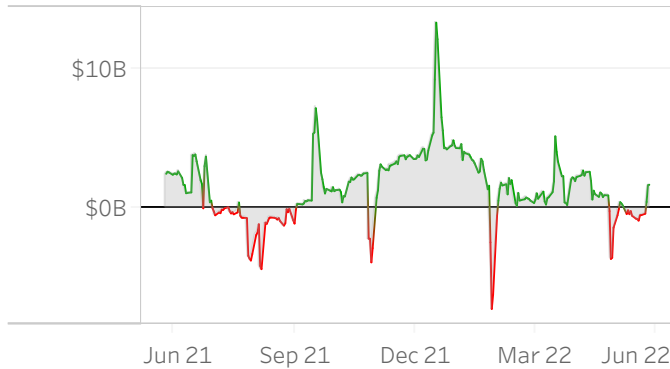
Ticker	Fund	Value
SPC	CrossingBridge Pre-Merger SPAC ETF	37.83
PABU	iShares Paris-Aligned Climate MSCI USA ETF	41.21
QQH	HCM Defender 100 Index ETF	41.49
TMFS	Motley Fool Small-Cap Growth ETF	41.79
XOUT	GraniteShares XOUT US Large Cap ETF	42.12
LGH	HCM Defender 500 Index ETF	42.24
IPO	Renaissance IPO ETF	42.51
NZUS	SPDR MSCI USA Climate Paris Aligned ETF	42.71
RUFF	Alpha Dog ETF	43.55
TMFC	Motley Fool 100 Index ETF	43.77

*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	\$1,184B	\$8.85B	\$12.34B	\$52.42B	\$131.61B
Large Cap, Beta Growth, Beta: Growth	10	\$211B	\$0.96B	\$6.98B	\$8.34B	\$17.12B
Large Cap, Beta Growth, Beta: Value	11	\$220B	\$1.26B	\$4.98B	\$17.81B	\$27.18B
Mid Cap, Beta, Beta	10	\$172B	\$0.48B	\$3.11B	\$6.86B	\$10.91B
Mid Cap, Beta, Beta: Growth	6	\$30B	\$0.11B	\$0.14B	(\$0.56B)	\$0.14B
Mid Cap, Beta, Beta: Value	6	\$40B	\$0.61B	(\$0.60B)	\$0.35B	\$0.15B
Small Cap, Beta, Beta	13	\$186B	(\$0.30B)	(\$4.27B)	(\$3.48B)	\$8.26B
Small Cap, Beta, Beta: Growth	7	\$29B	\$0.03B	\$0.55B	\$0.79B	\$1.44B
Small Cap, Beta, Beta: Value	7	\$51B	\$0.16B	(\$2.96B)	(\$2.05B)	(\$1.90B)

U.S. Size & Style Flow Leaders

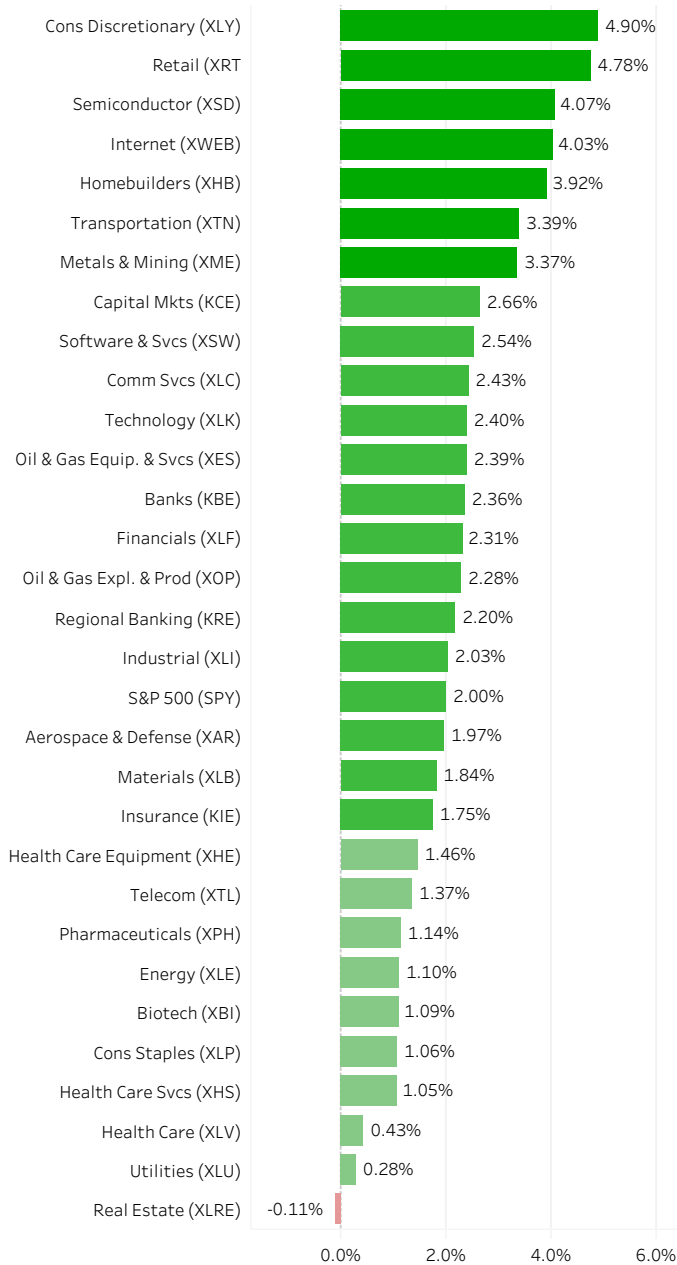
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	\$6.40B	\$8.92B	\$8.43B	\$27.90B	\$365.51B
IVV	iShares Core S&P 500 ETF	\$1.35B	(\$0.73B)	\$12.57B	\$26.82B	\$288.83B
VOO	Vanguard S&P 500 ETF	\$1.15B	(\$1.73B)	\$16.50B	\$40.53B	\$250.32B
IVE	iShares S&P 500 Value ETF	\$0.56B	\$1.31B	\$2.73B	\$2.50B	\$24.95B
HDV	iShares Core High Dividend ETF	\$0.47B	\$4.01B	\$4.57B	\$4.95B	\$12.84B
DIA	SPDR Dow Jones Industrial Average ETF Trust	\$0.37B	\$0.78B	\$1.01B	(\$0.05B)	\$28.07B
VUG	Vanguard Growth ETF	\$0.33B	\$3.15B	\$4.37B	\$6.52B	\$68.44B
IWD	iShares Russell 1000 Value ETF	\$0.30B	(\$0.07B)	\$0.06B	\$1.46B	\$54.38B
IWS	iShares Russell Mid-Cap Value ETF	\$0.29B	(\$0.60B)	(\$0.26B)	(\$0.20B)	\$13.47B
IWF	iShares Russell 1000 Growth ETF	\$0.28B	\$1.12B	\$1.39B	\$0.88B	\$59.01B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
QQQ	Invesco QQQ Trust	(\$0.54B)	\$4.20B	\$8.84B	\$22.24B	\$158.88B
SPLV	Invesco S&P 500 Low Volatility ETF	(\$0.29B)	\$1.17B	\$2.01B	\$1.74B	\$10.17B
VTI	Vanguard Total Stock Market ETF	(\$0.29B)	\$5.32B	\$16.21B	\$38.47B	\$255.77B
VLUE	iShares MSCI USA Value Factor ETF	(\$0.28B)	(\$1.97B)	(\$4.71B)	(\$6.06B)	\$10.06B
VB	Vanguard Small-Cap ETF	(\$0.28B)	(\$0.92B)	\$0.32B	\$3.11B	\$41.42B
IJR	iShares Core S&P Small Cap ETF	(\$0.23B)	(\$1.23B)	\$0.53B	\$2.20B	\$63.28B
RSP	Invesco S&P 500 Equal Weight ETF	(\$0.12B)	\$0.87B	\$3.40B	\$3.99B	\$31.00B
VBK	Vanguard Small-Cap Growth ETF	(\$0.11B)	\$0.18B	\$0.39B	\$0.96B	\$12.18B
XMLV	Invesco S&P MidCap Low Volatility ETF	(\$0.10B)	(\$0.03B)	(\$0.12B)	(\$0.37B)	\$1.18B
SPHB	Invesco S&P 500 High Beta ETF	(\$0.08B)	(\$0.38B)	(\$0.85B)	(\$1.36B)	\$0.54B

* 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%	89.87%	10.41%	35.84%	66.05
XLU	Utilities Select Sector SPDR Fund	-3.57%	17.37%	1.08%	7.06%	59.48
XLB	Materials Select Sector SPDR Fund	-5.79%	7.90%	-1.05%	-0.14%	53.60
XLV	Health Care Select Sector SPDR Fund	-7.70%	6.89%	-1.74%	-0.83%	51.99
XLP	Consumer Staples Select Sector SPDR Fund	-7.98%	7.76%	-3.08%	-0.03%	45.13
XLI	Industrial Select Sector SPDR Fund	-12.67%	4.25%	-4.45%	-7.77%	47.35
SPY	SPDR S&P 500 ETF Trust	-15.16%	4.07%	-5.08%	-8.93%	47.90
XLF	Financial Select Sector SPDR Fund	-15.55%	6.26%	-3.56%	-8.65%	52.42
XLRE	Real Estate Select Sector SPDR Fund	-15.87%	4.46%	-6.47%	-7.65%	44.14
XLK	Technology Select Sector SPDR Fund	-22.54%	4.63%	-6.39%	-12.73%	47.56
XLY	Consumer Discretionary Select Sector SPDR Fund	-29.68%	7.87%	-12.05%	-19.59%	43.63
XLC	Communication Services Select Sector SPDR Fund	-31.48%	3.80%	-7.36%	-19.94%	46.17

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
RCD	Invesco S&P 500 Equal Weight Consumer Discretio..	5.10%
XLY	Consumer Discretionary Select Sector SPDR Fund	4.90%
FDIS	Fidelity MSCI Consumer Discretionary Index ETF	4.85%
XRT	SPDR S&P Retail ETF	4.78%
VCR	Vanguard Consumer Discretionary ETF	4.77%
IYC	iShares U.S. Consumer Discretionary ETF	4.41%
PSI	Invesco Dynamic Semiconductors ETF	4.24%
PTF	Invesco DWA Technology Momentum ETF	4.22%
SOXQ	Invesco PHLX Semiconductor ETF	4.14%
FXD	First Trust Consumer Discretionary AlphaDEX Fund	4.13%

Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
PXE	Invesco Dynamic Energy Exploration & Production ETF	66.57
FCG	First Trust Natural Gas ETF	66.52
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	66.20
XLE	Energy Select Sector SPDR Fund	66.05
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	65.89
VDE	Vanguard Energy ETF	65.88
PSCE	Invesco S&P SmallCap Energy ETF	65.88
FENY	Fidelity MSCI Energy Index ETF	65.83
IYE	iShares U.S. Energy ETF	65.52
PXI	Invesco DWA Energy Momentum ETF	65.11

Sector & Industry 1 Day Performance Laggards

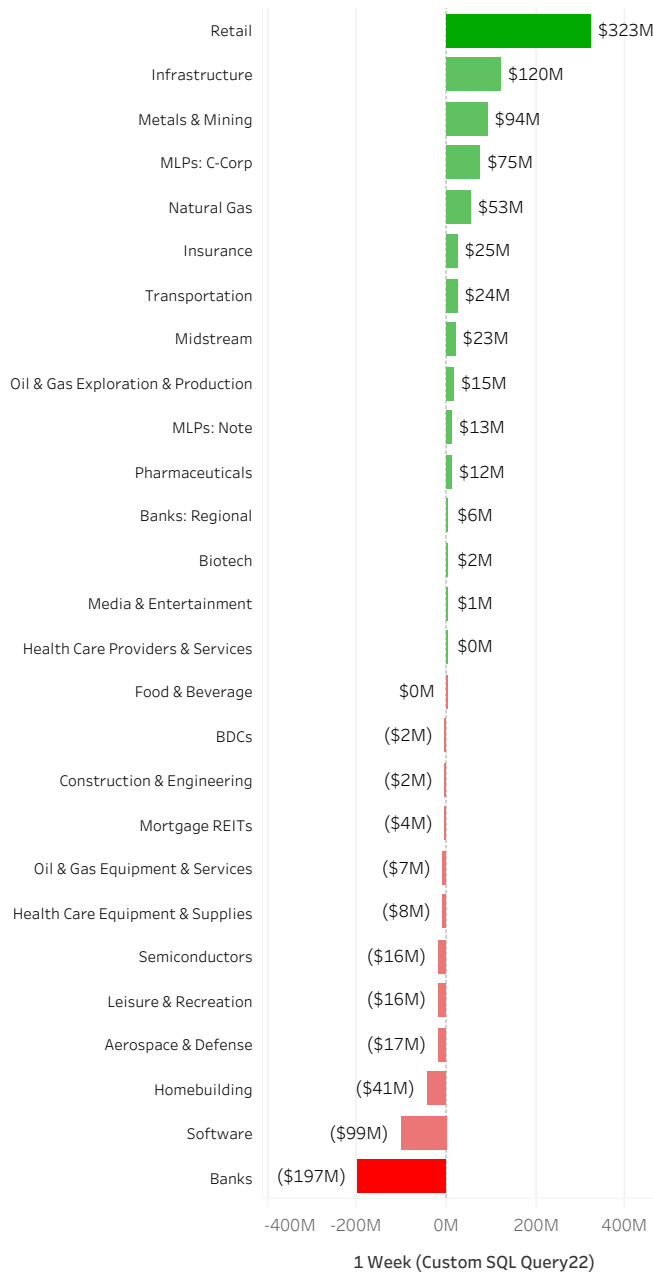
Ticker	Fund	1 Day Performance
MLPA	Global X MLP ETF	-0.57%
ICF	iShares Cohen & Steers REIT ETF	-0.29%
PSR	Invesco Active U.S. Real Estate Fund	-0.15%
REZ	iShares Residential and Multisector Real Estate ETF	-0.14%
KBWY	Invesco KBW Premium Yield Equity REIT ETF	-0.13%
XLRE	Real Estate Select Sector SPDR Fund	-0.11%
SCHH	Schwab U.S. REIT ETF	0.09%
IYR	iShares U.S. Real Estate ETF	0.09%
VNQ	Vanguard Real Estate ETF	0.12%
FREL	Fidelity MSCI Real Estate Index ETF	0.14%

Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
INDS	Pacer Benchmark Industrial Real Estate SCTR ETF	34.50
FDN	First Trust Dow Jones Internet Index Fund	39.31
RWR	SPDR Dow Jones REIT ETF	40.15
REZ	iShares Residential and Multisector Real Estate ETF	41.10
USRT	iShares Core U.S. REIT ETF	41.22
FRI	First Trust S&P REIT Index Fund	41.60
BBRE	JPMorgan BetaBuilders MSCI U.S. REIT ETF	41.65
NURE	Nuveen Short-Term REIT ETF	41.67
XBI	SPDR S&P BIOTECH ETF	41.90
PPTY	US Diversified Real Estate ETF	42.35

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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	\$14B	\$115M	(\$158M)	(\$1,117M)	\$122M
Consumer Discretionary	13	\$22B	\$455M	(\$2,469M)	(\$3,977M)	(\$4,215M)
Consumer Staples	12	\$27B	\$152M	\$2,648M	\$6,641M	\$7,170M
Energy	34	\$83B	\$128M	(\$1,281M)	\$4,114M	\$3,693M
Financials	28	\$63B	(\$62M)	(\$13,905M)	(\$7,892M)	(\$8,790M)
Health Care	26	\$87B	\$670M	\$4,965M	\$8,716M	\$12,533M
Industrial	14	\$29B	\$72M	(\$838M)	(\$1,793M)	(\$6,243M)
Materials	10	\$18B	\$388M	\$1,042M	\$1,118M	(\$721M)
Multi-Sector	19	\$15B	\$164M	(\$2,277M)	(\$3,819M)	(\$3,044M)
Real Estate	23	\$71B	(\$162M)	(\$2,605M)	(\$356M)	\$7,996M
Technology	24	\$118B	(\$329M)	\$1,071M	\$193M	\$5,740M
Utilities	10	\$26B	\$426M	\$2,928M	\$4,043M	\$4,746M

U.S. Sector & Industry Flow Leaders

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLV	Health Care Select Sector SPDR Fund	\$656M	\$4,656M	\$6,497M	\$9,252M	\$38,434M
XLU	Utilities Select Sector SPDR Fund	\$379M	\$1,973M	\$2,667M	\$3,053M	\$16,360M
XRT	SPDR S&P Retail ETF	\$323M	\$95M	(\$182M)	(\$7M)	\$585M
XLB	Materials Select Sector SPDR Fund	\$280M	(\$380M)	(\$878M)	(\$2,208M)	\$7,248M
XLV	Consumer Discretionary Select Sector SPDR Fu..	\$197M	(\$850M)	(\$1,637M)	(\$1,433M)	\$14,855M
XLP	Consumer Staples Select Sector SPDR Fund	\$191M	\$905M	\$4,034M	\$4,320M	\$15,843M
XLF	Financial Select Sector SPDR Fund	\$186M	(\$8,133M)	(\$4,249M)	(\$5,903M)	\$33,709M
IFRA	iShares U.S. Infrastructure ETF	\$167M	\$912M	\$975M	\$1,132M	\$1,744M
VOX	Vanguard Communication Services ETF	\$142M	(\$72M)	(\$7M)	\$381M	\$3,040M
FDN	First Trust Dow Jones Internet Index Fund	\$105M	(\$1,112M)	(\$2,357M)	(\$2,157M)	\$4,268M

U.S. Sector & Industry Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
KBWB	Invesco KBW Bank ETF	(\$205M)	(\$1,106M)	(\$439M)	(\$268M)	\$1,914M
IYR	iShares U.S. Real Estate ETF	(\$147M)	(\$1,735M)	(\$1,729M)	\$21M	\$4,486M
IYE	iShares U.S. Energy ETF	(\$135M)	(\$526M)	(\$456M)	(\$621M)	\$3,166M
FCOM	Fidelity MSCI Communication Services Index ETF	(\$122M)	(\$38M)	(\$88M)	\$50M	\$583M
IGV	iShares Expanded Tech-Software Sector ETF	(\$97M)	\$131M	\$471M	\$545M	\$4,179M
XLK	Technology Select Sector SPDR Fund	(\$87M)	\$761M	\$1,302M	\$2,314M	\$39,940M
IBB	iShares Biotechnology ETF	(\$75M)	\$14M	\$93M	(\$340M)	\$7,407M
IYW	iShares U.S. Technology ETF	(\$75M)	(\$98M)	(\$423M)	\$464M	\$6,703M
VDC	Vanguard Consumer Staples ETF	(\$55M)	(\$126M)	\$233M	\$506M	\$6,404M
PAVE	Global X U.S. Infrastructure Development ETF	(\$43M)	(\$355M)	(\$510M)	\$863M	\$4,233M

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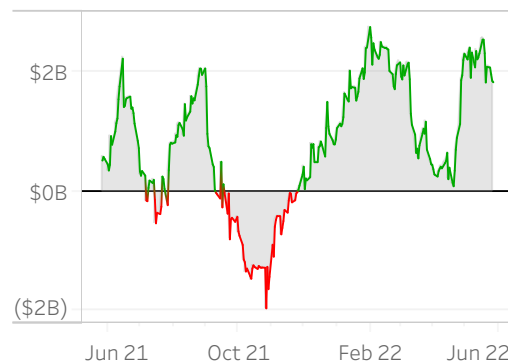
Communication Services



Consumer Discretionary



Consumer Staples



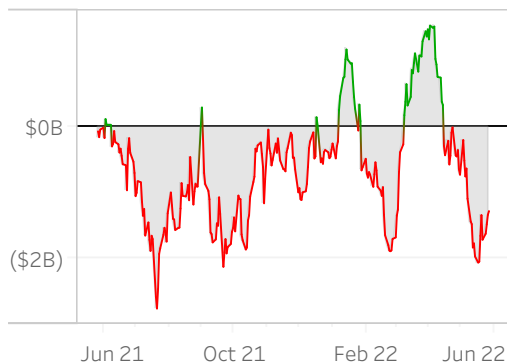
Energy



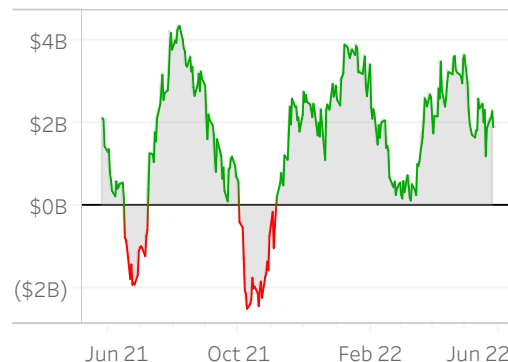
Financials



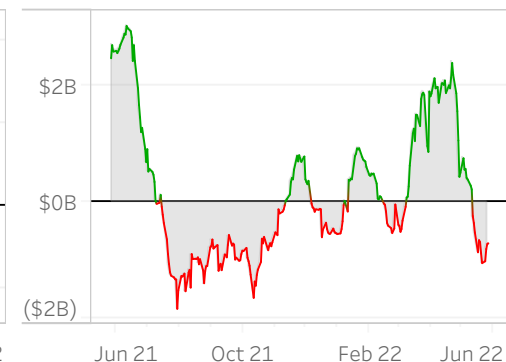
Industrial



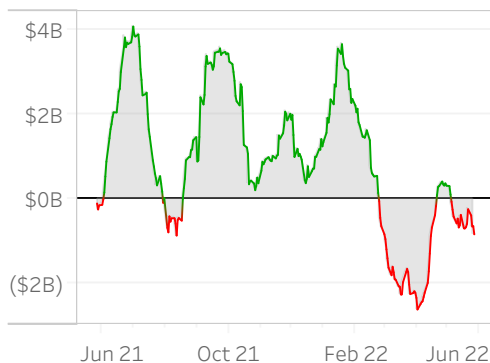
Health Care



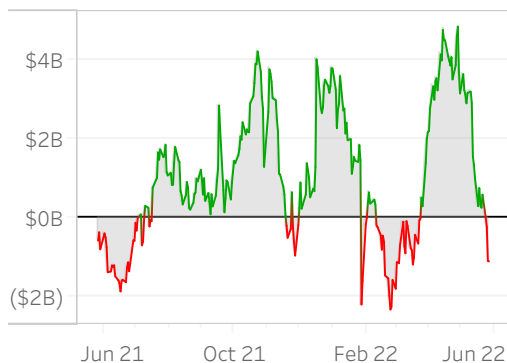
Materials



Real Estate



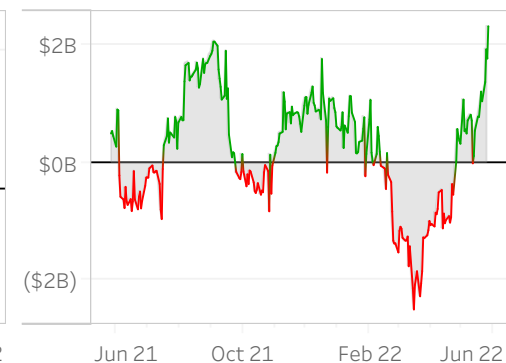
Technology



Utilities

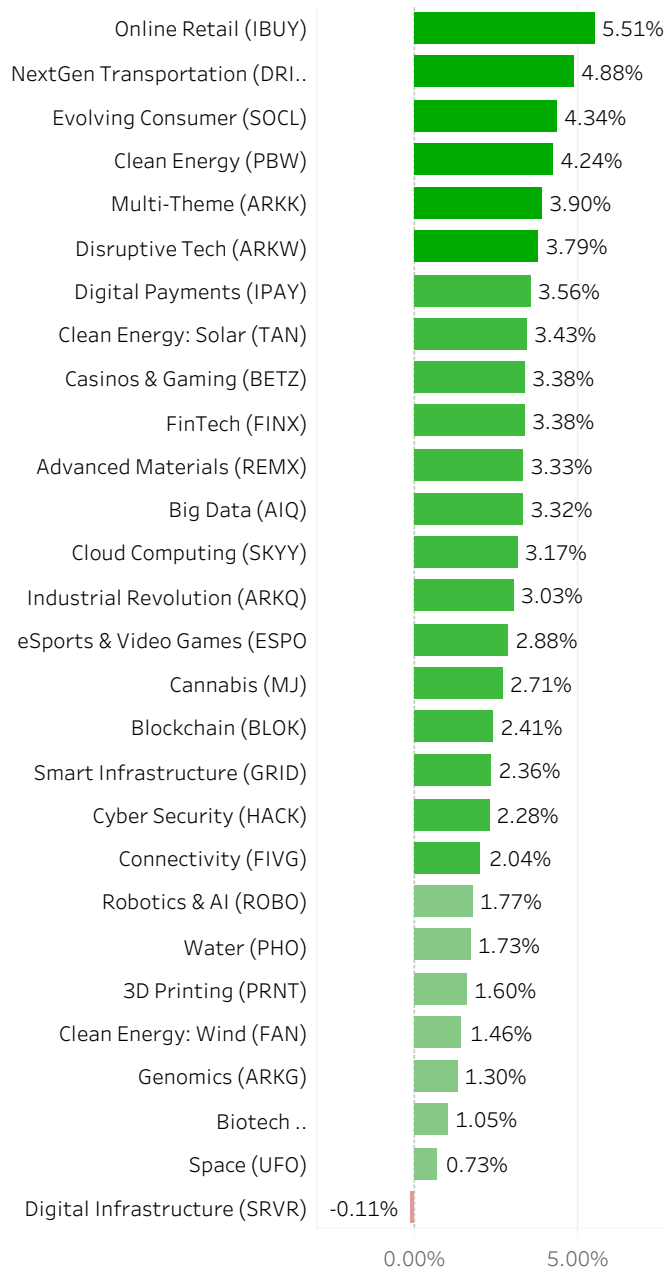


Multi-Sector

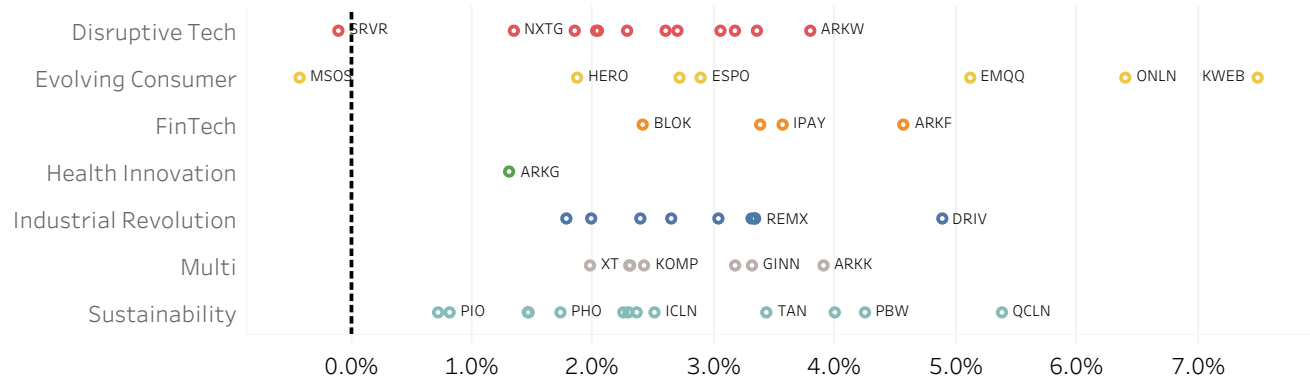


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	Performance
KWEB	KraneShares CSI China Internet ETF	7.49%
ONLN	ProShares Online Retail ETF	6.39%
EBIZ	Global X E-Commerce ETF	6.34%
IBUY	Amplify Online Retail ETF	5.51%
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	5.37%
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	5.11%
AWAY	ETFMG Travel Tech ETF	5.04%
DRIV	Global X Autonomous & Electric Vehicles ETF	4.88%
ARKF	ARK Fintech Innovation ETF	4.56%
KGRN	KraneShares MSCI China Clean Technology Index ETF	4.49%

Thematic Most Overbought

Ticker	Fund	Price
FAN	First Trust Global Wind Energy ETF	60.19
RNRG	Global X Funds Global X Renewable Energy Producers ETF	58.49
LIT	Global X Lithium & Battery Tech ETF	58.36
TAN	Invesco Solar ETF	58.13
KGRN	KraneShares MSCI China Clean Technology Index ETF	57.30
ICLN	iShares Global Clean Energy ETF	57.23
CNRG	SPDR S&P Kensho Clean Power ETF	57.03
HERO	Global X Video Games & Esports ETF	55.92
REMX	VanEck Rare Earth/Strategic Metals ETF	54.77
KARS	KraneShares Electric Vehicles & Future Mobility Index ETF	53.72

Global Thematic 1-Day Performance Laggards

Ticker	Fund	Performance
MSOS	AdvisorShares Pure US Cannabis ETF	-0.43%
CTEC	Global X CleanTech ETF	-0.35%
SRVR	Pacer Benchmark Data & Infrastructure Real Estate S..	-0.11%
VPN	Global X Data Center REITs & Digital Infrastructure ETF	0.13%
KSTR	KraneShares SSE STAR Market 50 Index ETF	0.31%
AGNG	Global X Aging Population ETF	0.40%
CGW	Invesco S&P Global Water Index ETF	0.71%
UFO	Procore Space ETF	0.73%
RNRG	Global X Funds Global X Renewable Energy Producers ..	0.77%
PIO	Invesco Global Water ETF	0.81%

Thematic Most Oversold

Ticker	Fund	Price
BKCH	Global X Blockchain ETF	33.37
BITQ	Bitwise Crypto Industry Innovators ETF	33.86
YOLO	AdvisorShares Pure Cannabis ETF	37.12
MSOS	AdvisorShares Pure US Cannabis ETF	37.33
BLOK	Amplify Transformational Data Sharing ETF	37.89
POTX	Global X Cannabis ETF	38.38
CNBS	Amplify Seymour Cannabis ETF	38.49
GBUY	Goldman Sachs Future Consumer Equity ETF	40.27
IZRL	ARK Israel Innovative Technology ETF	40.68
SBIO	ALPS Medical Breakthroughs ETF	40.91

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Thematic 1 Week Flow Leaders

Ticker	Fund	
TAN	Invesco Solar ETF	\$49M
KOMP	SPDR S&P Kensho New Economies Composite ETF	\$25M
PBW	Invesco WilderHill Clean Energy ETF	\$14M
ARKF	ARK Fintech Innovation ETF	\$11M
BUG	Global X Cybersecurity ETF	\$9M
CNRG	SPDR S&P Kensho Clean Power ETF	\$9M
WCLD	WisdomTree Cloud Computing Fund	\$8M
TARK	AXS 2X Innovation ETF	\$5M
FDIG	Fidelity Crypto Industry and Digital Payments ETF	\$2M
CRPT	First Trust SkyBridge Crypto Industry & Digital Economy ETF	\$2M

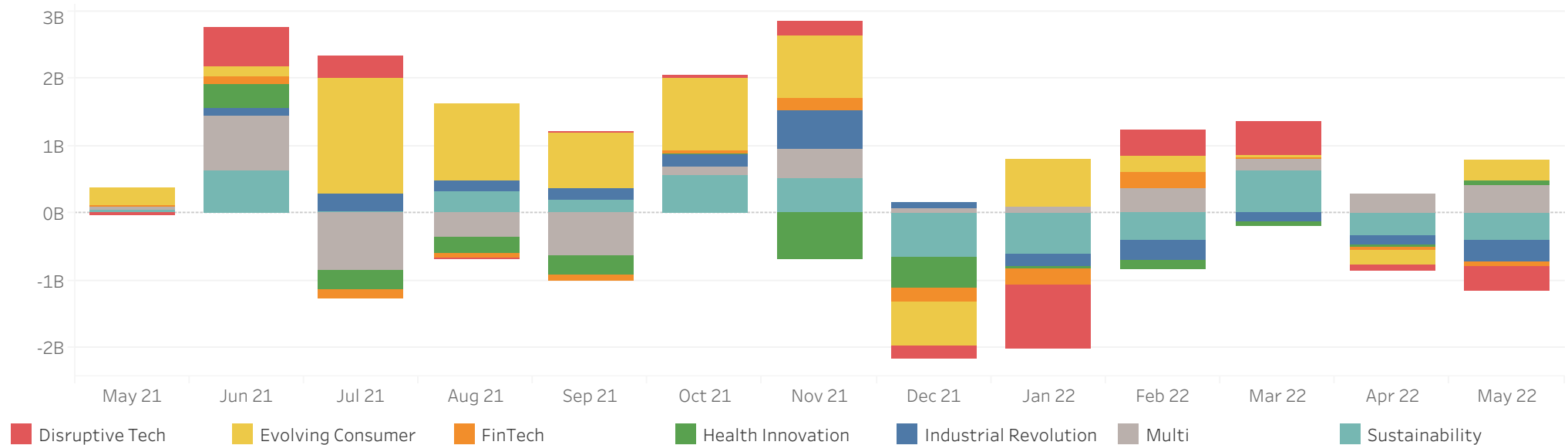
Thematic 1 Week Flow Laggards

Ticker	Fund	
KWEB	KraneShares CSI China Internet ETF	(\$184M)
ARKK	ARK Innovation ETF	(\$63M)
ICLN	iShares Global Clean Energy ETF	(\$40M)
ARKQ	ARK Autonomous Technology & Robotics ETF	(\$29M)
XT	iShares Exponential Technologies ETF	(\$25M)
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	(\$21M)
SKYY	First Trust Cloud Computing ETF	(\$17M)
ARKG	ARK Genomic Revolution ETF	(\$10M)
CIBR	First Trust NASDAQ Cybersecurity ETF	(\$8M)
CGW	Invesco S&P Global Water Index ETF	(\$8M)

Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	35	\$19B	(\$35M)	\$90M	(\$682M)	\$435M
Evolving Consumer	48	\$10B	(\$226M)	\$122M	\$461M	\$6,525M
FinTech	24	\$3B	\$14M	(\$60M)	(\$259M)	(\$235M)
Health Innovation	19	\$4B	(\$14M)	(\$37M)	(\$687M)	(\$1,742M)
Industrial Revolution	32	\$12B	(\$44M)	(\$594M)	(\$980M)	\$440M
Multi	42	\$15B	(\$59M)	\$892M	\$1,461M	\$973M
Sustainability	41	\$17B	\$10M	(\$80M)	(\$1,718M)	\$566M
Grand Total	241	\$81B	(\$355M)	\$332M	(\$2,403M)	\$6,962M

Thematic Monthly Flows

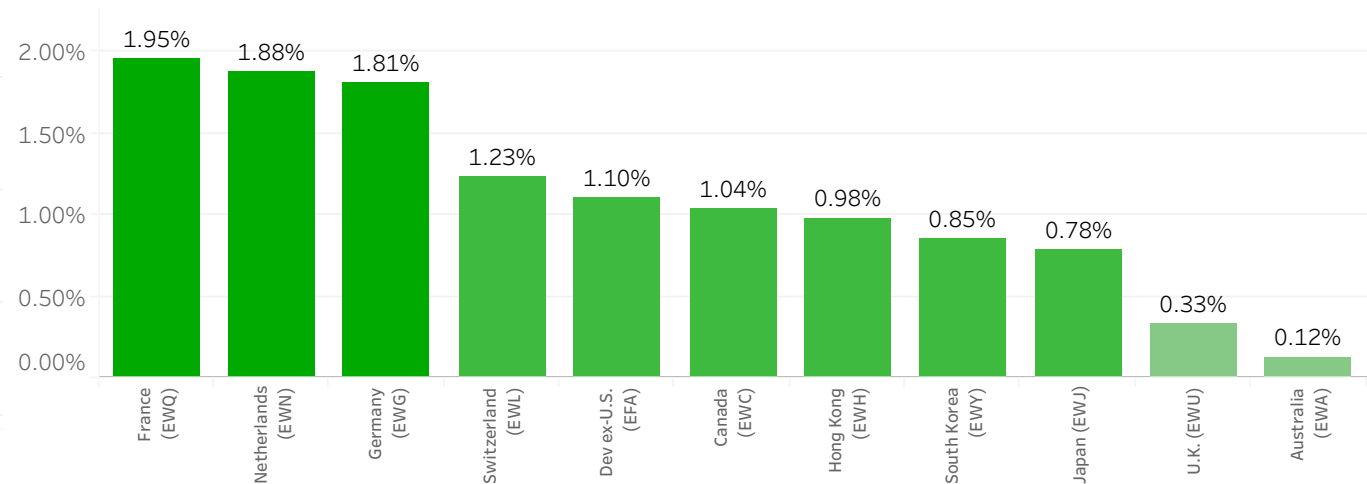


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

Developed ex-U.S. (EFA)



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



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



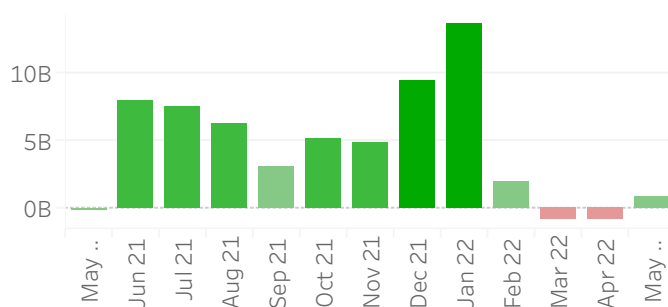
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
FSZ	First Trust Switzerland AlphaDEX Fund	5.71%
TOK	iShares MSCI Kokusai ETF	2.68%
CIL	VictoryShares International Volatility Wtd ETF	2.41%
GREK	Global X MSCI Greece ETF	2.39%
EWUS	iShares MSCI United Kingdom Small Cap ETF	2.10%
DMXF	iShares ESG Advanced MSCI EAFE ETF	2.06%
ISRA	VanEck Israel ETF	2.05%
EIS	iShares MSCI Israel ETF	2.05%
AIA	iShares Asia 50 ETF	2.02%
IEUS	iShares MSCI Europe Small-Cap ETF	1.96%

Developed ex-U.S. Most Overbought

Ticker	Fund	Price
EWP	iShares MSCI Spain ETF	65.79
IQIN	IQ 500 International ETF	61.67
IVLU	iShares MSCI Intl Value Factor ETF	61.49
EWO	iShares MSCI Austria ETF	61.47
IDV	iShares International Select Dividend ETF	61.31
IDOG	ALPS International Sector Dividend Dogs ETF	61.28
DFIV	Dimensional International Value ETF	60.89
FYLD	Cambria Foreign Shareholder Yield ETF	60.80
ICOW	Pacer Developed Markets International Cash Cows 100 ETF	60.69
IVAL	Alpha Architect International Quantitative Value ETF	60.48

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
IQIN	IQ 500 International ETF	0.00%
ISVL	iShares International Developed Small Cap Value Factor E..	0.00%
ENZL	iShares MSCI New Zealand ETF	0.02%
PTIN	Pacer Trendpilot International ETF	0.04%
EWA	iShares MSCI Australia ETF	0.12%
EWU	iShares MSCI United Kingdom ETF	0.33%
BBAX	JPMorgan BetaBuilders Developed Asia Pacific-ex Japan E..	0.41%
EFAD	ProShares MSCI EAFE Dividend Growers ETF	0.41%
IDOG	ALPS International Sector Dividend Dogs ETF	0.44%
EWO	iShares MSCI Austria ETF	0.47%

Developed ex-U.S. Most Oversold

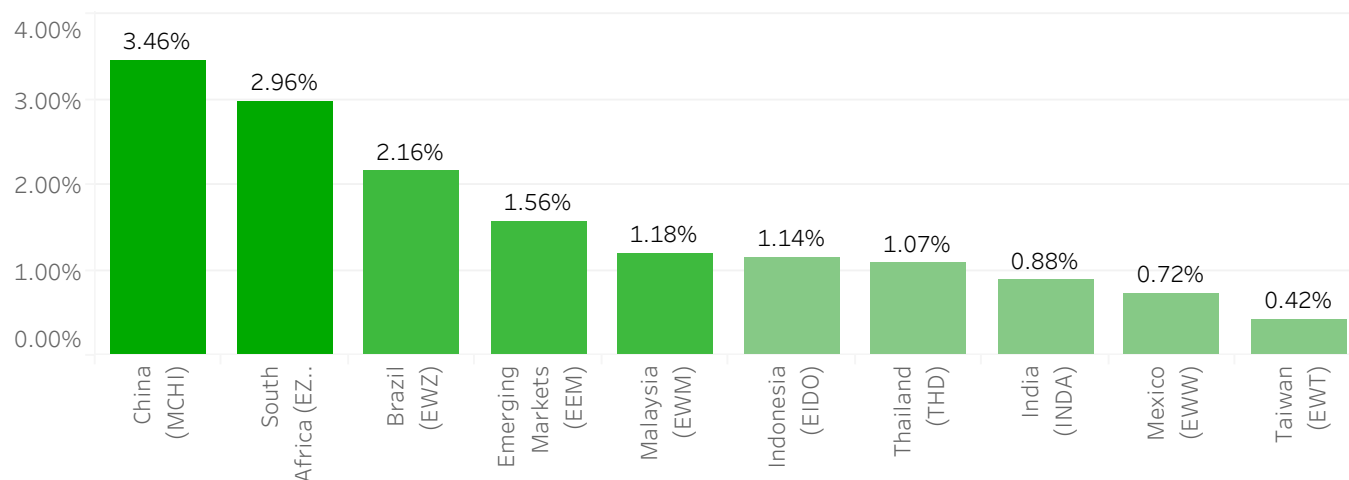
Ticker	Fund	Price
PTIN	Pacer Trendpilot International ETF	35.01
ENZL	iShares MSCI New Zealand ETF	40.60
EIS	iShares MSCI Israel ETF	43.51
ISRA	VanEck Israel ETF	45.48
EFAD	ProShares MSCI EAFE Dividend Growers ETF	47.17
IDHQ	Invesco S&P International Developed High Quality E..	48.53
EWS	iShares MSCI Singapore ETF	48.89
EWL	iShares MSCI Switzerland ETF	49.10
TOK	iShares MSCI Kokusai ETF	49.34
FLSW	Franklin FTSE Switzerland ETF	49.36

*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)



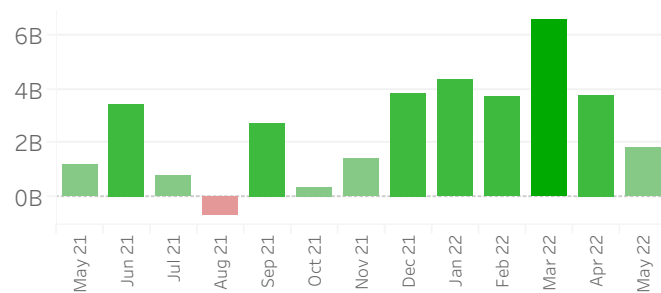
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
PGJ	Invesco Golden Dragon China ETF	7.39%
FNI	First Trust Chindia ETF	5.45%
ADRE	Invesco BLDERS Emerging Markets 50 ADR Index Fund	4.02%
FXI	iShares China Large-Cap ETF	3.92%
FLCH	Franklin FTSE China ETF	3.55%
MCHI	iShares MSCI China ETF	3.46%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	3.15%
GXC	SPDR S&P China ETF	3.12%
ECH	iShares MSCI Chile ETF	3.10%
EZA	iShares MSCI South Africa ETF	2.96%

Emerging Most Overbought

Ticker	Fund	Value
ECH	iShares MSCI Chile ETF	70.87
FLN	First Trust Latin America AlphaDEX Fund	65.09
ILF	iShares Latin America 40 ETF	62.11
EWZ	iShares MSCI Brazil ETF	61.46
FLBR	Franklin FTSE Brazil ETF	60.96
EWW	iShares MSCI Mexico ETF	59.51
EWZS	iShares MSCI Brazil Small-Cap ETF	58.11
FRDM	Freedom 100 Emerging Markets ETF	57.15
THD	iShares MSCI Thailand ETF	56.81
ADRE	Invesco BLDERS Emerging Markets 50 ADR Index Fund	54.85

Emerging 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
NFTY	First Trust India NIFTY 50 Equal Weight ETF	-1.05%
RAYC	Rayliant Quantamental China Equity ETF	-0.58%
KSA	iShares MSCI Saudi Arabia ETF	-0.28%
QAT	iShares MSCI Qatar ETF	-0.09%
DVYE	iShares Emerging Markets Dividend ETF	0.03%
KBA	KraneShares Boser MSCI China A 50 Connect Index ETF	0.12%
CNYA	iShares MSCI China A ETF	0.30%
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	0.33%
EWT	iShares MSCI Taiwan ETF	0.42%
FEMS	First Trust Emerging Markets Small Cap AlphaDEX Fund	0.48%

Emerging Most Oversold

Ticker	Fund	Value
GLIN	VanEck India Growth Leaders ETF	29.10
SMIN	iShares MSCI India Small Cap ETF	36.52
KSA	iShares MSCI Saudi Arabia ETF	37.97
QAT	iShares MSCI Qatar ETF	38.07
EPI	WisdomTree India Earnings Fund	38.28
FM	iShares MSCI Frontier and Select EM ETF	38.62
NFTY	First Trust India NIFTY 50 Equal Weight ETF	39.15
TUR	iShares MSCI Turkey ETF	39.80
FLIN	Franklin FTSE India ETF	40.10
PIN	Invesco India ETF	40.53

* 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	-0.08%	0.19%	-8.31%
SHY	1-3 Year Treasury Bonds	0.02%	0.41%	-2.28%
IEF	7-10 Year Treasury Bonds	-0.05%	0.29%	-8.96%
TLT	20+ Year Treasury Bonds	-0.45%	-2.79%	-19.36%
TIP	TIPS Bonds	0.41%	-1.01%	-5.74%
FLOT	Floating Rate Bonds	-0.04%	-0.01%	-0.49%
LQD	Investment Grade Corporate	0.03%	0.29%	-12.73%
HYG	High Yield Corporate	1.39%	0.42%	-7.25%
BKLN	Senior Loan	1.06%	-2.26%	-3.54%
PFF	Preferred & Income Securities	1.18%	0.81%	-11.93%
MUB	Municipal Bonds	0.50%	1.10%	-6.66%
MBB	MBS	-0.03%	0.83%	-6.84%
EMB	Dollar Denominated EM Bonds	0.33%	-0.64%	-14.76%
LEMB	Local Currency EM Bond	0.14%	-0.71%	-10.43%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	0.55%	3.88%	38.95%
DBE	Energy	1.79%	9.25%	59.78%
USO	WTI Crude Oil	2.56%	10.63%	55.61%
BNO	Brent Crude Oil	2.24%	10.70%	59.35%
UNG	Natural Gas	-2.62%	24.81%	138.03%
UGA	Gasoline	1.45%	18.86%	72.19%
DBP	Precious Metals	-0.25%	-3.50%	-1.04%
GLD	Gold	-0.18%	-2.57%	1.05%
SLV	Silver	-0.15%	-6.19%	-5.58%
PPLT	abrdn Physical Platin..	-0.08%	2.86%	-1.86%
PALL	abrdn Physical Palla..	0.01%	-8.68%	5.93%
DBB	Base Metals	-0.09%	-6.56%	2.34%
CPER	Copper	-0.23%	-3.90%	-5.00%
LD	Lead	1.40%	-7.78%	-6.45%
JJN	Nickel	0.00%	-19.09%	30.25%
JJU	Aluminum	-0.22%	-5.88%	2.49%
JJT	Tin	0.00%	-14.73%	-11.11%
DBA	Agriculture	1.00%	0.32%	12.81%
CORN	Corn	-0.28%	-4.11%	32.13%
SOYB	Soybeans	1.83%	0.93%	26.04%
WEAT	Wheat	-0.53%	4.32%	53.59%
CANE	Sugar	-0.81%	4.03%	6.74%
BAL	Cotton	-0.05%	8.17%	34.78%
NIB	Cocoa	3.49%	-2.40%	-6.95%
JO	Coffee	3.58%	1.94%	-0.34%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	-0.33%	-0.48%	6.20%
UDN	Short Dollar	0.26%	0.53%	-6.28%
FXE	Euro	0.41%	0.63%	-6.14%
FXB	British Pound Sterling	0.14%	0.04%	-6.98%
FXF	Swiss Franc	0.29%	0.21%	-5.37%
FXJ	Japanese Yen	0.18%	0.23%	-9.53%
FXC	Canadian Dollar	0.31%	0.24%	-1.24%
FXA	Australian Dollar	0.10%	-0.71%	-2.55%

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Contact us at:

team@etfaction.com

www.etfaction.com