

Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

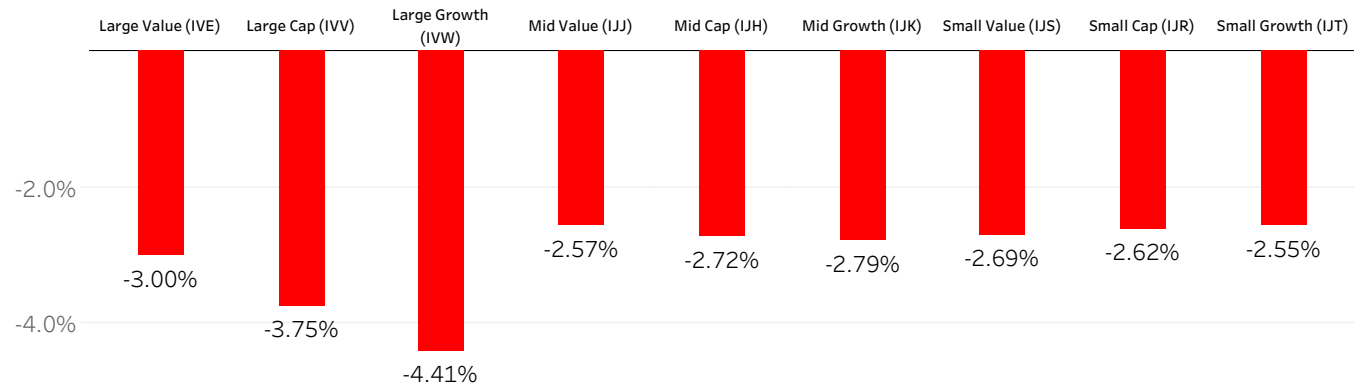


Small Cap Blend (S&P 600) IJR



■ 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
ONOF	Global X Adaptive U.S. Risk Management ETF	0.18%
PTNQ	Pacer Trendpilot 100 ETF	-0.01%
PTLC	Pacer Trendpilot US Large Cap ETF	-0.05%
PTMC	Pacer Trendpilot US Mid Cap ETF	-0.09%
SPC	CrossingBridge Pre-Merger SPAC ETF	-0.10%
BBSC	JPMorgan BetaBuilders U.S. Small Cap Equity ETF	-0.92%
ABEQ	Absolute Core Strategy ETF	-1.37%
ACSI	American Customer Satisfaction ETF	-1.73%
GSSC	Goldman Sachs Activebeta U.S. Small Cap Equity ETF	-2.03%
SMLF	iShares MSCI USA Small-Cap Multifactor ETF	-2.13%

Size & Style Most Overbought

Ticker	Fund	Value
PTLC	Pacer Trendpilot US Large Cap ETF	43.25
PTMC	Pacer Trendpilot US Mid Cap ETF	41.19
ONOF	Global X Adaptive U.S. Risk Management ETF	41.03
COWZ	Pacer US Cash Cows 100 ETF	40.73
QVAL	Alpha Architect U.S. Quantitative Value ETF	40.67
TPHD	Timothy Plan High Dividend Stock ETF	39.99
XMMO	Invesco S&P MidCap Momentum ETF	39.79
CALF	Pacer US Small Cap Cash Cows 100 ETF	39.74
FNK	First Trust Mid Cap Value AlphaDEX Fund	39.71
QMOM	Alpha Architect U.S. Quantitative Momentum ETF	39.69

Size & Style 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
PABU	iShares Paris-Aligned Climate MSCI USA ETF	-5.96%
QQH	HCM Defender 100 Index ETF	-5.10%
LCG	Sterling Capital Focus Equity ETF	-4.65%
MMLG	First Trust Multi-Manager Large Growth ETF	-4.55%
IWY	iShares Russell Top 200 Growth ETF	-4.54%
MGK	Vanguard Mega Cap Growth ETF	-4.53%
QQQ	Invesco QQQ Trust	-4.50%
LGH	HCM Defender 500 Index ETF	-4.48%
QQQM	Invesco NASDAQ 100 ETF	-4.45%
ILCG	iShares Morningstar Growth ETF	-4.43%

Size & Style Most Oversold

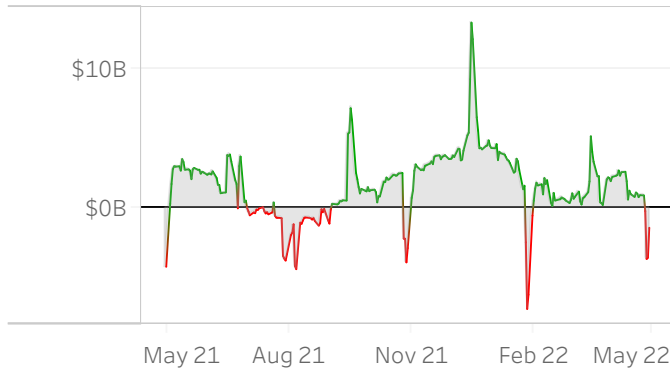
Ticker	Fund	Value
ACSI	American Customer Satisfaction ETF	24.27
FFTY	Innovator IBD 50 ETF	26.04
PABU	iShares Paris-Aligned Climate MSCI USA ETF	27.07
MXDU	Nationwide Maximum Diversification US Core Equit..	29.59
QVML	Invesco S&P 500 QVM Multi-factor ETF	29.69
BBSC	JPMorgan BetaBuilders U.S. Small Cap Equity ETF	29.76
DIVZ	TrueShares Low Volatility Equity Income ETF	29.84
HKND	Humankind US Stock ETF	30.63
IWC	iShares Micro-Cap ETF	30.81
CGDV	Capital Group Dividend Value ETF	31.23

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

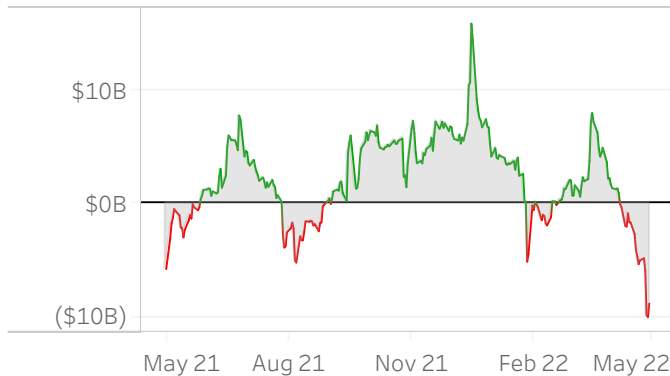
Large-Cap 30-Day Rolling Flows



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	\$1,262B	(\$4.12B)	\$12.85B	\$33.37B	\$111.41B
Large Cap, Beta Growth, Beta: Growth	10	\$234B	\$0.30B	\$3.50B	\$3.68B	\$13.29B
Large Cap, Beta Growth, Beta: Value	11	\$224B	\$0.18B	\$9.18B	\$16.16B	\$28.04B
Mid Cap, Beta, Beta	10	\$183B	\$0.65B	\$2.97B	\$8.15B	\$10.63B
Mid Cap, Beta, Beta: Growth	6	\$33B	(\$0.21B)	(\$0.36B)	(\$0.11B)	(\$0.70B)
Mid Cap, Beta, Beta: Value	6	\$41B	(\$0.08B)	(\$0.55B)	\$0.12B	\$1.31B
Small Cap, Beta, Beta	12	\$199B	(\$0.98B)	(\$1.34B)	\$3.41B	\$11.57B
Small Cap, Beta, Beta: Growth	7	\$31B	(\$0.01B)	\$0.19B	\$0.68B	\$0.42B
Small Cap, Beta, Beta: Value	7	\$53B	(\$0.30B)	(\$3.55B)	(\$1.90B)	(\$1.57B)

U.S. Size & Style Flow Leaders

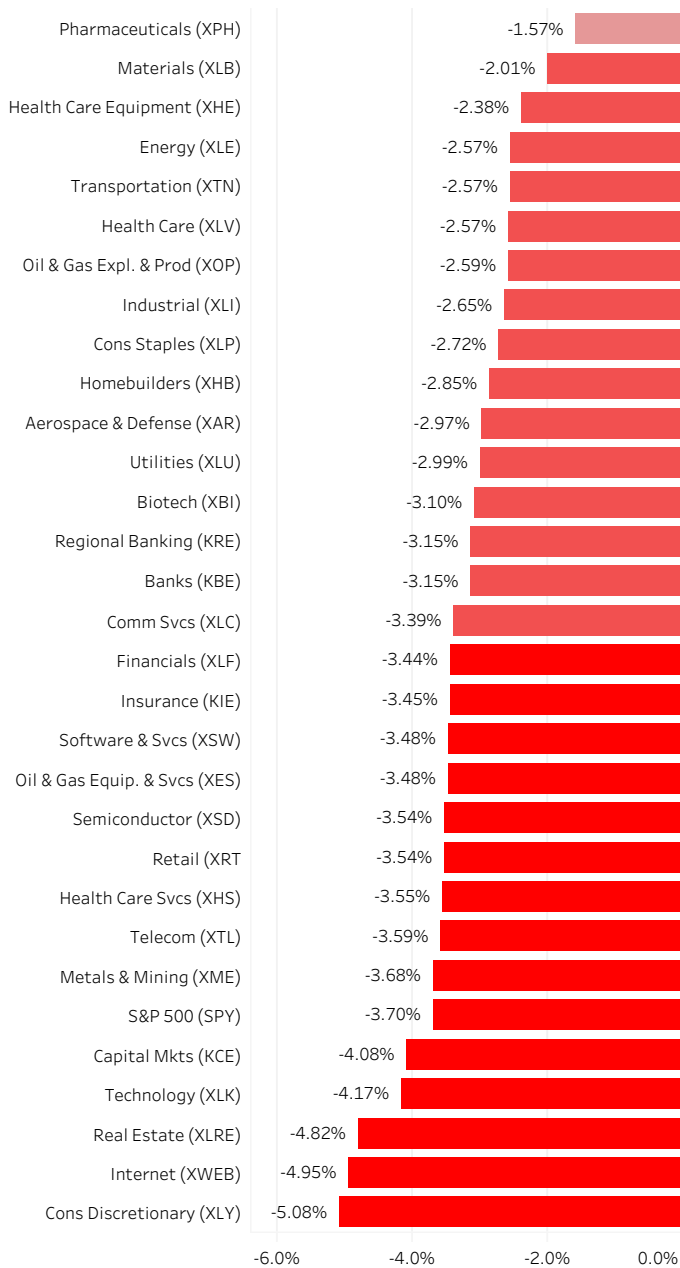
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SDY	SPDR S&P Dividend ETF	\$2.30B	\$2.92B	\$3.28B	\$2.10B	\$23.81B
QQQ	Invesco QQQ Trust	\$1.20B	\$4.72B	\$6.21B	\$22.98B	\$177.42B
FNDX	Schwab Fundamental US Large Co. Index ETF	\$0.83B	\$0.64B	\$2.26B	\$3.31B	\$10.42B
FNDA	Schwab Fundamental US Small Co. Index ETF	\$0.77B	\$0.88B	\$1.01B	\$1.29B	\$5.55B
VOO	Vanguard S&P 500 ETF	\$0.49B	\$4.12B	\$16.61B	\$40.97B	\$265.81B
IWM	iShares Russell 2000 ETF	\$0.43B	(\$1.85B)	(\$3.43B)	(\$1.19B)	\$56.34B
ESGU	iShares ESG Aware MSCI USA ETF	\$0.39B	\$1.11B	\$3.08B	\$7.99B	\$24.39B
IJH	iShares Core S&P Mid-Cap ETF	\$0.35B	\$0.81B	\$2.37B	\$2.26B	\$63.02B
VTI	Vanguard Total Stock Market ETF	\$0.32B	\$5.67B	\$19.70B	\$40.55B	\$275.64B
SCHD	Schwab US Dividend Equity ETF	\$0.29B	\$3.23B	\$5.37B	\$10.59B	\$35.15B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SCHX	Schwab U.S. Large-Cap ETF	(\$1.66B)	(\$1.06B)	(\$0.53B)	\$1.12B	\$30.59B
SCHA	Schwab U.S. Small-Cap ETF	(\$0.64B)	(\$0.31B)	\$0.17B	\$1.21B	\$14.70B
VTWO	Vanguard Russell 2000 ETF	(\$0.62B)	\$0.03B	\$0.76B	\$1.96B	\$6.07B
IWS	iShares Russell Mid-Cap Value ETF	(\$0.30B)	(\$0.53B)	(\$0.21B)	(\$0.21B)	\$14.06B
IWN	iShares Russell 2000 Value ETF	(\$0.25B)	(\$1.59B)	(\$1.67B)	(\$2.54B)	\$13.15B
IWD	iShares Russell 1000 Value ETF	(\$0.19B)	(\$1.06B)	(\$0.40B)	\$0.97B	\$55.32B
IWP	iShares Russell Mid-Cap Growth ETF	(\$0.12B)	(\$0.43B)	(\$0.45B)	(\$0.77B)	\$12.41B
SPYV	SPDR Portfolio S&P 500 Value ETF	(\$0.12B)	\$0.32B	\$0.40B	\$1.55B	\$13.64B
SPHB	Invesco S&P 500 High Beta ETF	(\$0.11B)	(\$0.29B)	(\$0.67B)	(\$1.03B)	\$0.72B
IJR	iShares Core S&P Small Cap ETF	(\$0.11B)	\$0.38B	\$3.48B	\$4.48B	\$67.87B

* 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	-3.64%	12.85%	1.96%	5.14%	48.48
XLB	Materials Select Sector SPDR Fund	-6.16%	7.48%	-0.99%	-0.60%	42.13
XLE	Energy Select Sector SPDR Fund	-7.25%	64.12%	-0.38%	23.30%	45.69
XLU	Utilities Select Sector SPDR Fund	-7.41%	12.70%	-1.46%	3.44%	35.62
XLV	Health Care Select Sector SPDR Fund	-8.78%	7.38%	-3.09%	-2.25%	37.31
XLRE	Real Estate Select Sector SPDR Fund	-10.06%	12.13%	-1.80%	-1.88%	38.59
XLI	Industrial Select Sector SPDR Fund	-11.18%	0.00%	-4.90%	-7.11%	33.06
SPY	SPDR S&P 500 ETF Trust	-13.76%	0.42%	-5.76%	-8.20%	34.96
XLF	Financial Select Sector SPDR Fund	-16.68%	0.00%	-8.35%	-10.65%	28.84
XLK	Technology Select Sector SPDR Fund	-19.94%	6.29%	-6.35%	-10.74%	40.24
XLY	Consumer Discretionary Select Sector SPDR Fund	-22.96%	0.00%	-8.05%	-13.26%	33.90
XLC	Communication Services Select Sector SPDR Fund	-31.37%	0.48%	-11.17%	-22.20%	32.86

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
XPH	SPDR S&P Pharmaceuticals ETF	-1.57%
PTH	Invesco DWA Healthcare Momentum ETF	-1.64%
FXZ	First Trust Materials AlphaDEX Fund	-1.75%
IHE	iShares U.S. Pharmaceuticals ETF	-1.77%
PSCH	Invesco S&P SmallCap Health Care ETF	-1.86%
FXH	First Trust Health Care AlphaDEX Fund	-1.89%
XLB	Materials Select Sector SPDR Fund	-2.01%
IBB	iShares Biotechnology ETF	-2.02%
FMAT	Fidelity MSCI Materials Index ETF	-2.02%
VAW	Vanguard Materials ETF	-2.02%

Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
RHS	Invesco S&P 500 Equal Weight Consumer Staples ETF	49.76
IYK	iShares U.S. Consumer Staples ETF	49.39
XLP	Consumer Staples Select Sector SPDR Fund	48.48
PXE	Invesco Dynamic Energy Exploration & Production ETF	48.43
FTXG	First Trust Nasdaq Food & Beverage ETF	48.27
VDC	Vanguard Consumer Staples ETF	47.59
FSTA	FIDELITY COVINGTON TRUST MSCI CONSUMER STAPLES..	47.52
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	47.50
PXI	Invesco DWA Energy Momentum ETF	46.80
FXG	First Trust Consumer Staples AlphaDEX Fund	46.63

Sector & Industry 1 Day Performance Laggards

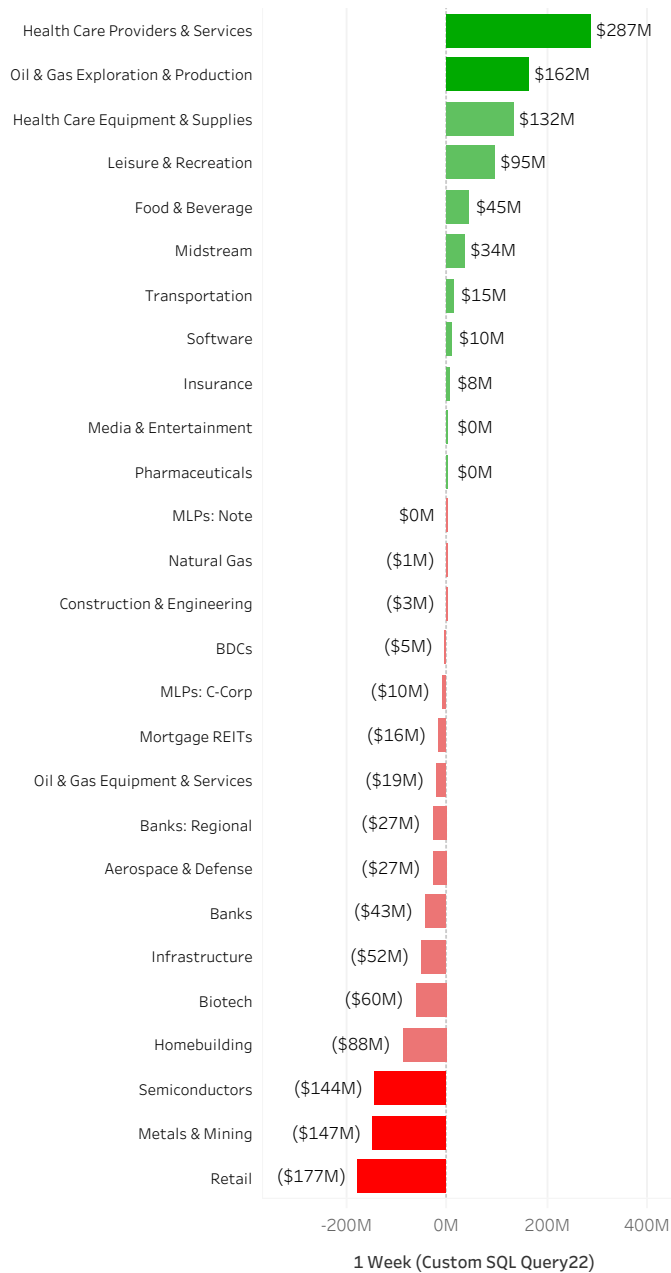
Ticker	Fund	1 Day Performance
INDS	Pacer Benchmark Industrial Real Estate SCTR ETF	-6.23%
FDIS	Fidelity MSCI Consumer Discretionary Index ETF	-5.17%
VCR	Vanguard Consumer Discretionary ETF	-5.11%
RWR	SPDR Dow Jones REIT ETF	-5.08%
XLY	Consumer Discretionary Select Sector SPDR Fund	-5.08%
FDN	First Trust Dow Jones Internet Index Fund	-4.97%
BBRE	JPMorgan BetaBuilders MSCI U.S. REIT ETF	-4.94%
FRI	First Trust S&P REIT Index Fund	-4.91%
USRT	iShares Core U.S. REIT ETF	-4.90%
IGM	iShares Expanded Tech Sector ETF	-4.90%

Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
IYZ	iShares U.S. Telecommunications ETF	21.93
XLF	Financial Select Sector SPDR Fund	28.84
IYF	iShares U.S. Financials ETF	28.85
ITA	iShares U.S. Aerospace & Defense ETF	29.14
KBWB	Invesco KBW Bank ETF	29.33
FNCL	Fidelity MSCI Financials Index ETF	29.35
VFH	Vanguard Financials ETF	29.57
PSCH	Invesco S&P SmallCap Health Care ETF	29.68
XBI	SPDR S&P BIOTECH ETF	29.79
PPA	Invesco Aerospace & Defense ETF	29.80

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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	\$156M	(\$237M)	(\$1,580M)	\$554M
Consumer Discretionary	13	\$28B	(\$535M)	(\$2,007M)	(\$3,074M)	(\$3,888M)
Consumer Staples	12	\$29B	\$555M	\$2,612M	\$6,147M	\$7,488M
Energy	34	\$79B	\$868M	\$1,360M	\$5,689M	\$5,765M
Financials	28	\$72B	\$35M	(\$8,358M)	(\$3,348M)	(\$385M)
Health Care	26	\$90B	\$936M	\$4,301M	\$9,077M	\$13,114M
Industrial	14	\$33B	\$30M	\$497M	(\$294M)	(\$4,822M)
Materials	10	\$20B	(\$237M)	\$2,016M	\$2,561M	\$2,482M
Multi-Sector	18	\$17B	(\$96M)	(\$3,997M)	(\$4,203M)	(\$3,085M)
Real Estate	23	\$80B	(\$109M)	(\$1,710M)	\$1,304M	\$8,671M
Technology	24	\$131B	(\$827M)	(\$140M)	(\$355M)	\$5,546M
Utilities	10	\$25B	\$338M	\$1,954M	\$3,361M	\$3,502M

U.S. Sector & Industry Flow Leaders

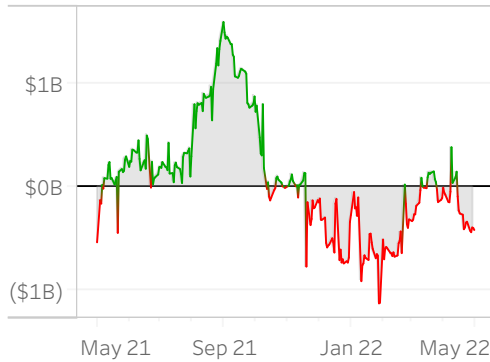
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLE	Energy Select Sector SPDR Fund	\$751M	(\$1,625M)	\$738M	\$1,241M	\$37,924M
XLF	Financial Select Sector SPDR Fund	\$663M	(\$4,916M)	(\$1,099M)	(\$979M)	\$39,014M
XLP	Consumer Staples Select Sector SPDR Fund	\$450M	\$1,232M	\$4,112M	\$5,340M	\$17,402M
XLU	Utilities Select Sector SPDR Fund	\$407M	\$1,156M	\$2,179M	\$1,989M	\$15,612M
XLV	Health Care Select Sector SPDR Fund	\$342M	\$3,251M	\$5,962M	\$9,603M	\$37,842M
IHF	iShares U.S. Healthcare Providers ETF	\$287M	\$418M	\$432M	\$482M	\$1,669M
VHT	Vanguard Health Care ETF	\$244M	\$543M	\$1,185M	\$2,162M	\$17,054M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	\$172M	\$424M	\$400M	(\$359M)	\$5,712M
FCOM	Fidelity MSCI Communication Services Index ETF	\$130M	\$99M	\$46M	\$210M	\$761M
IHI	iShares U.S. Medical Devices ETF	\$124M	(\$60M)	(\$45M)	(\$889M)	\$7,592M

U.S. Sector & Industry Flow Laggards

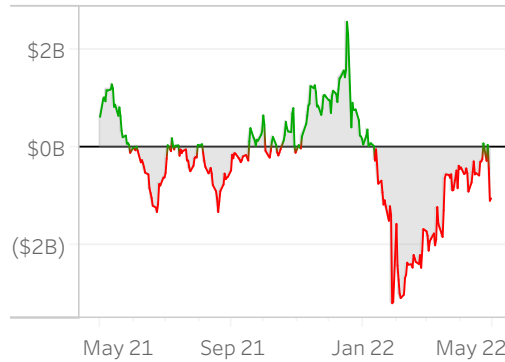
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
VFH	Vanguard Financials ETF	(\$515M)	(\$669M)	(\$188M)	\$383M	\$10,130M
VGT	Vanguard Information Technology ETF	(\$359M)	\$457M	(\$97M)	\$2,343M	\$46,960M
IYW	iShares U.S. Technology ETF	(\$349M)	(\$181M)	(\$278M)	\$264M	\$7,525M
XRT	SPDR S&P Retail ETF	(\$177M)	\$196M	(\$42M)	(\$9M)	\$601M
VNQ	Vanguard Real Estate ETF	(\$151M)	(\$114M)	\$1,703M	\$5,312M	\$47,661M
XME	SPDR S&P Metals & Mining ETF	(\$147M)	\$529M	\$703M	\$612M	\$3,258M
SOXX	iShares Semiconductor ETF	(\$123M)	\$286M	\$1,009M	\$1,602M	\$7,790M
VCR	Vanguard Consumer Discretionary ETF	(\$120M)	(\$38M)	(\$305M)	\$118M	\$5,713M
XLV	Consumer Discretionary Select Sector SPDR Fu..	(\$101M)	(\$797M)	(\$1,069M)	(\$1,631M)	\$18,067M
XLB	Materials Select Sector SPDR Fund	(\$91M)	(\$219M)	\$103M	(\$386M)	\$7,822M

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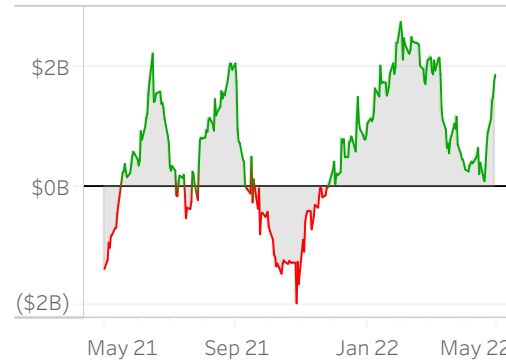
Communication Services



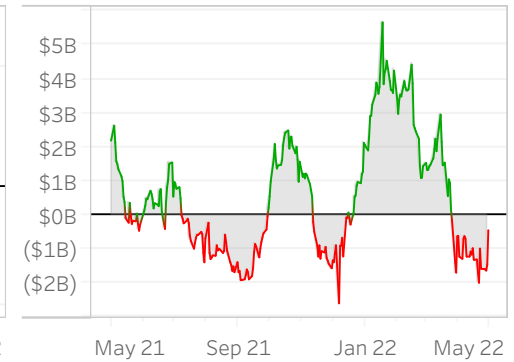
Consumer Discretionary



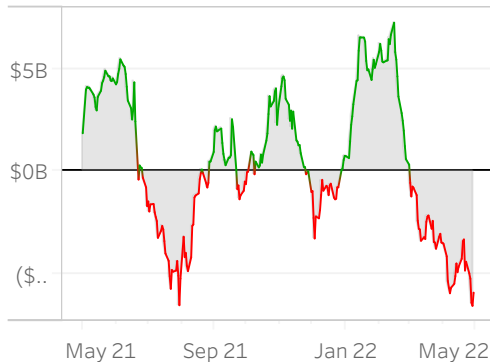
Consumer Staples



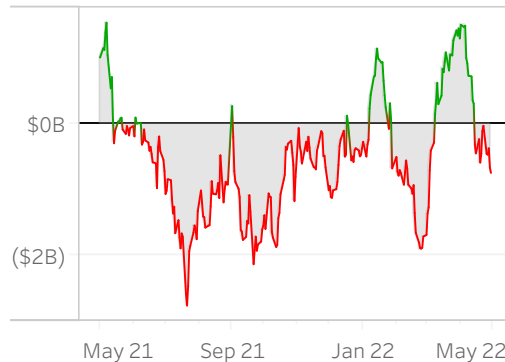
Energy



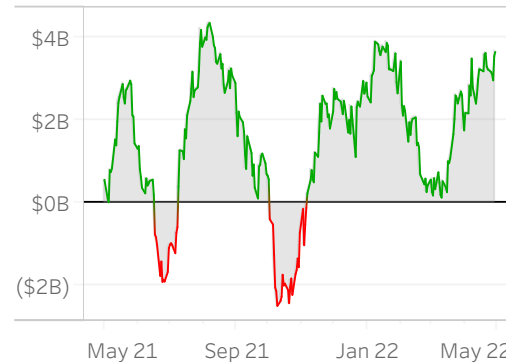
Financials



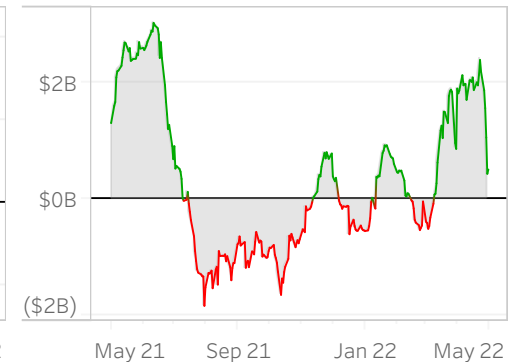
Industrial



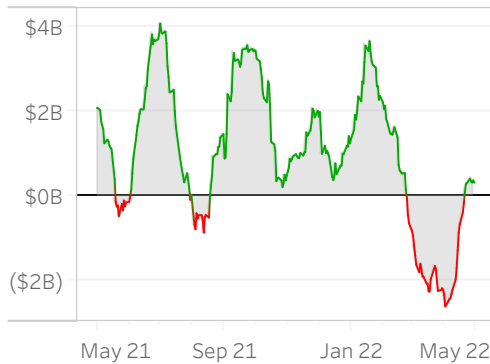
Health Care



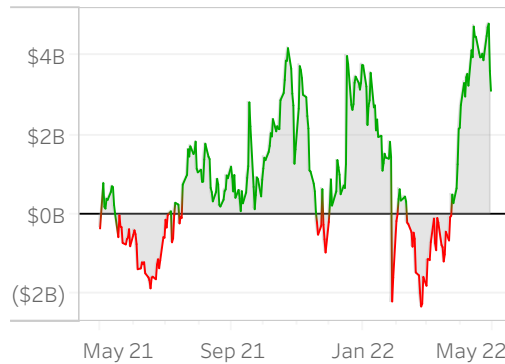
Materials



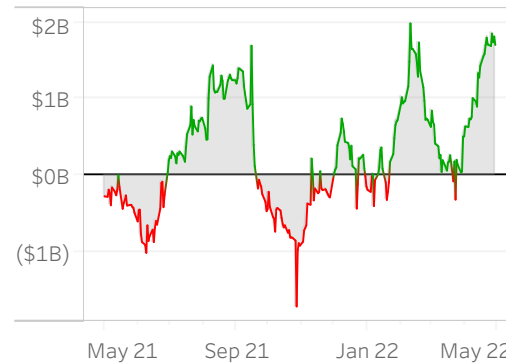
Real Estate



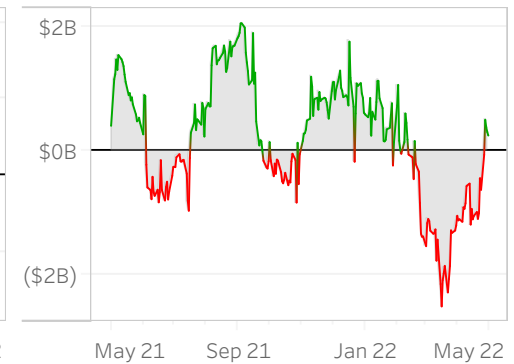
Technology



Utilities

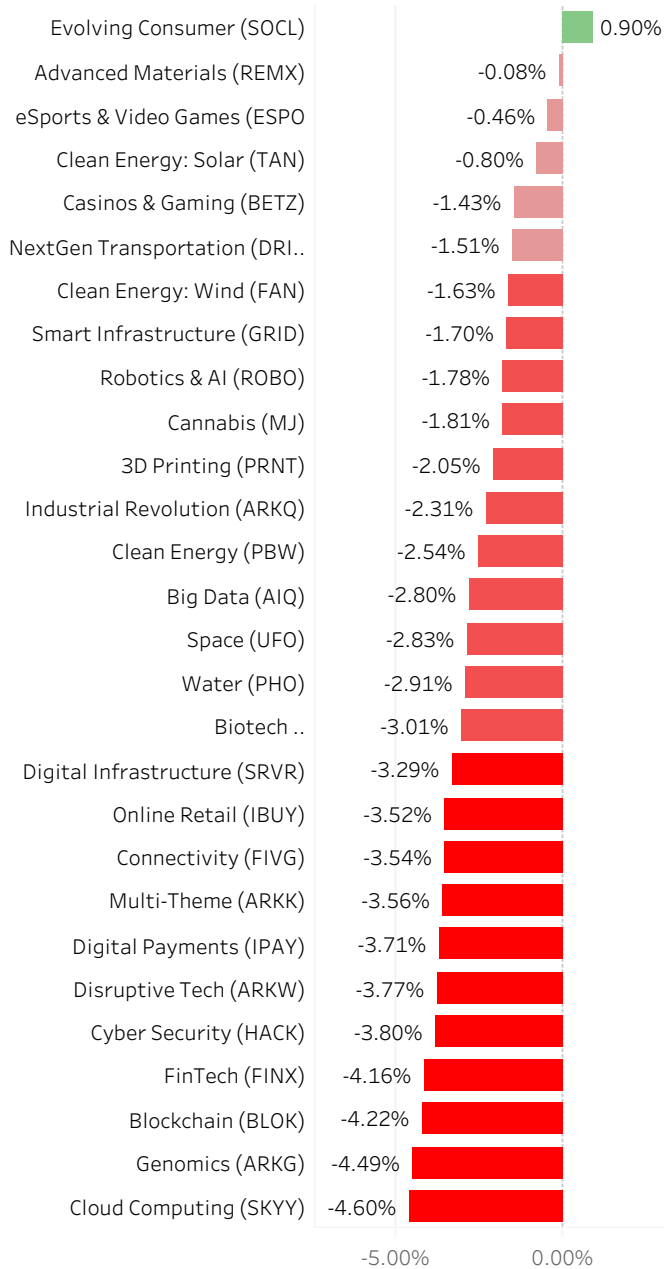


Multi-Sector

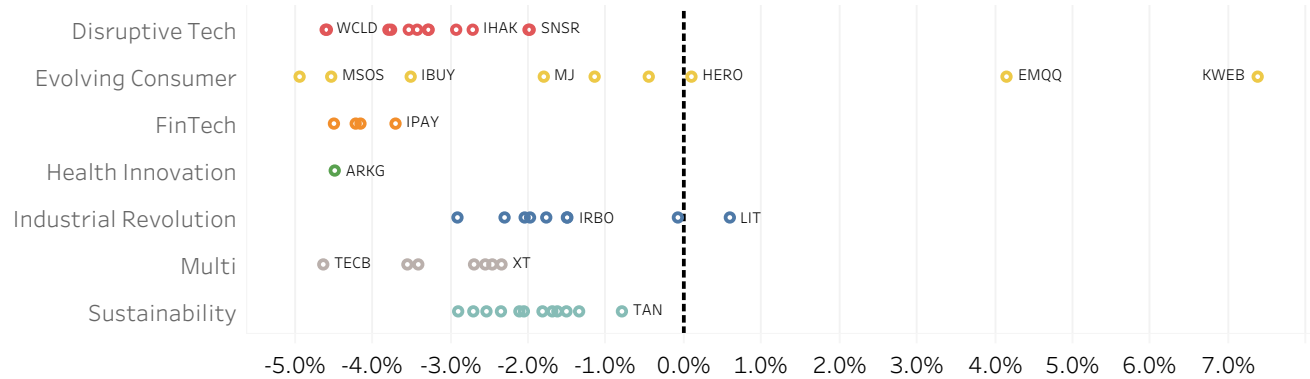


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
KWEB	KraneShares CSI China Internet ETF	7.37%
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	4.14%
KSTR	KraneShares SSE STAR Market 50 Index ETF	3.90%
KEMQ	KraneShares Emerging Markets Consumer Technology In..	2.54%
KGRN	KraneShares MSCI China Clean Technology Index ETF	1.52%
CTEC	Global X CleanTech ETF	1.36%
SOCL	Global X Social Media ETF	0.90%
LIT	Global X Lithium & Battery Tech ETF	0.58%
HERO	Global X Video Games & Esports ETF	0.09%
HDRO	Defiance Next Gen H2 ETF	-0.07%

Thematic Most Overbought

Ticker	Fund	Price
KWEB	KraneShares CSI China Internet ETF	51.72
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	46.66
AWAY	ETFMG Travel Tech ETF	43.76
KEMQ	KraneShares Emerging Markets Consumer Technology Ind..	41.83
SOCL	Global X Social Media ETF	41.59
BJK	VanEck Gaming ETF	41.23
KGRN	KraneShares MSCI China Clean Technology Index ETF	40.20
VPN	Global X Data Center REITs & Digital Infrastructure ETF	39.74
IPAY	ETFMG Prime Mobile Payments ETF	39.72
BUG	Global X Cybersecurity ETF	39.38

Global Thematic 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
BITQ	Bitwise Crypto Industry Innovators ETF	-6.50%
DAPP	VanEck Digital Transformation ETF	-5.27%
BKCH	Global X Blockchain ETF	-5.10%
ONLN	ProShares Online Retail ETF	-4.95%
TECB	iShares U.S. Tech Breakthrough Multisector ETF	-4.64%
WCLD	WisdomTree Cloud Computing Fund	-4.61%
SKYY	First Trust Cloud Computing ETF	-4.60%
MSOS	AdvisorShares Pure US Cannabis ETF	-4.54%
ARKF	ARK Fintech Innovation ETF	-4.50%
ARKG	ARK Genomic Revolution ETF	-4.49%

Thematic Most Oversold

Ticker	Fund	Price
MSOS	AdvisorShares Pure US Cannabis ETF	22.07
YOLO	AdvisorShares Pure Cannabis ETF	23.57
GDOC	Goldman Sachs Future Health Care Equity ETF	24.14
CNBS	Amplify Seymour Cannabis ETF	24.88
GBUY	Goldman Sachs Future Consumer Equity ETF	26.16
PRNT	3D Printing ETF	27.15
EDOC	Global X Telemedicine & Digital Health ETF Registered	27.96
HTEC	ROBO Global Healthcare Technology and Innovation ETF	28.06
ARKG	ARK Genomic Revolution ETF	28.31
BKCH	Global X Blockchain ETF	28.66

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Thematic 1 Week Flow Leaders

Ticker	Fund	
ARKK	ARK Innovation ETF	\$298M
ARKW	ARK Next Generation Internet ETF	\$14M
ACES	ALPS Clean Energy ETF	\$10M
BUG	Global X Cybersecurity ETF	\$10M
SAMT	Strategas Macro Thematic Opportunities ETF	\$9M
WCLD	WisdomTree Cloud Computing Fund	\$8M
AWAY	ETFMG Travel Tech ETF	\$6M
DAPP	VanEck Digital Transformation ETF	\$5M
AIQ	Global X Artificial Intelligence & Technology ETF	\$5M
IHAK	iShares Cybersecurity & Tech ETF	\$4M

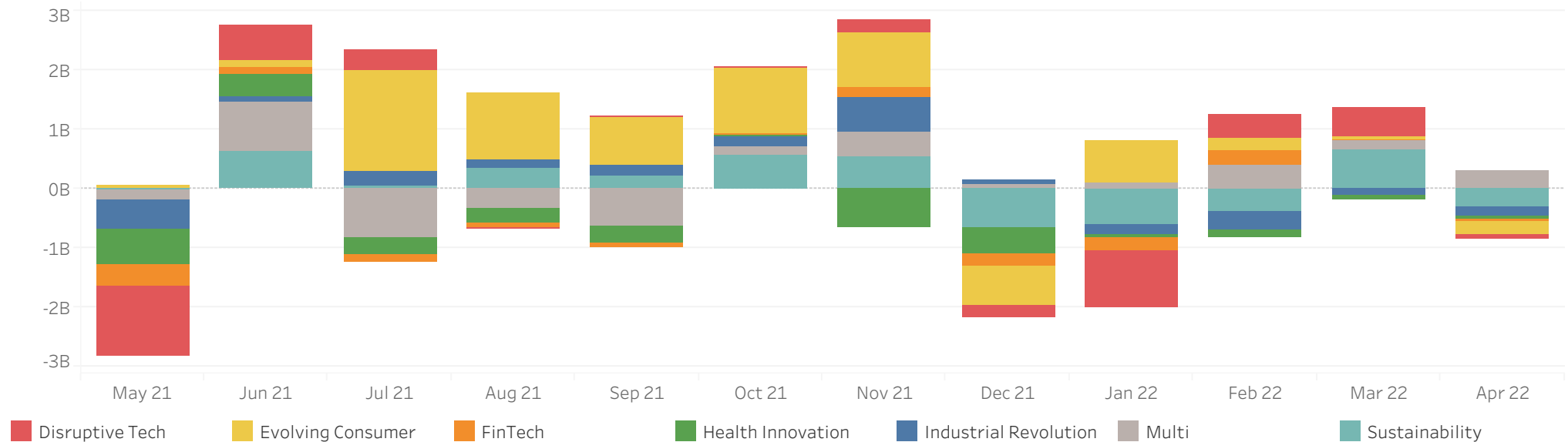
Thematic 1 Week Flow Laggards

Ticker	Fund	
KWEB	KraneShares CSI China Internet ETF	(\$196M)
TAN	Invesco Solar ETF	(\$143M)
ICLN	iShares Global Clean Energy ETF	(\$48M)
ARKG	ARK Genomic Revolution ETF	(\$47M)
BLOK	Amplify Transformational Data Sharing ETF	(\$34M)
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce ETF	(\$26M)
SKYY	First Trust Cloud Computing ETF	(\$23M)
PBW	Invesco WilderHill Clean Energy ETF	(\$17M)
LIT	Global X Lithium & Battery Tech ETF	(\$16M)
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	(\$16M)

Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	35	\$22B	(\$28M)	\$823M	(\$168M)	(\$350M)
Evolving Consumer	46	\$11B	(\$98M)	\$39M	\$1,063M	\$5,994M
FinTech	22	\$4B	(\$34M)	\$192M	(\$78M)	(\$545M)
Health Innovation	19	\$4B	(\$33M)	(\$230M)	(\$1,430M)	(\$2,430M)
Industrial Revolution	29	\$13B	(\$45M)	(\$404M)	\$78M	\$271M
Multi	38	\$17B	\$254M	\$918M	\$1,246M	\$343M
Sustainability	40	\$18B	(\$204M)	(\$67M)	(\$1,116M)	\$887M
Grand Total	229	\$89B	(\$187M)	\$1,272M	(\$406M)	\$4,170M

Thematic Monthly Flows

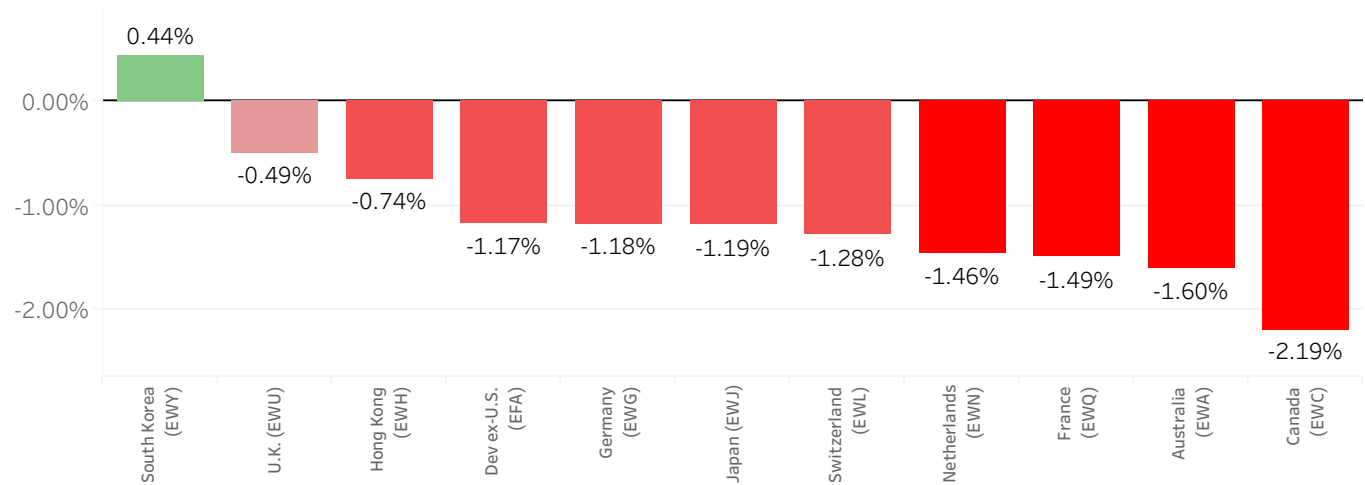


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

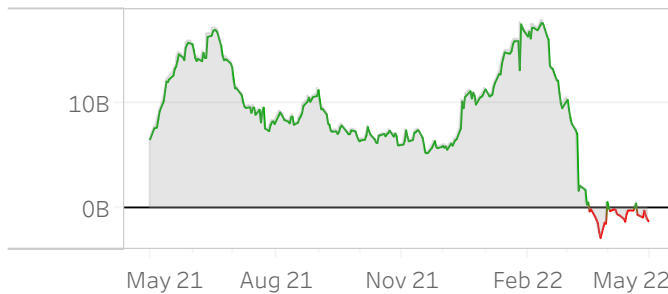
Developed ex-U.S. (EFA)



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



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



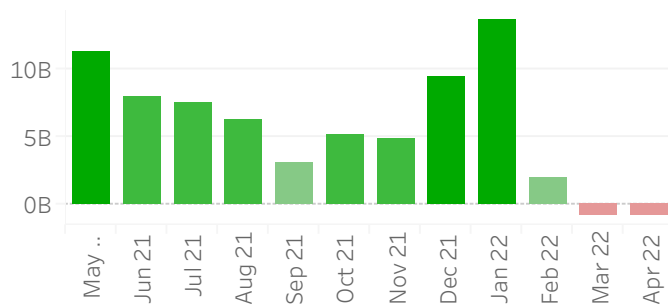
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
AIA	iShares Asia 50 ETF	2.24%
AAXJ	iShares MSCI All Country Asia ex Japan ETF	0.72%
EWS	iShares MSCI Singapore ETF	0.57%
EDEN	iShares MSCI Denmark ETF	0.53%
EWY	iShares MSCI South Korea ETF	0.44%
FLKR	Franklin FTSE South Korea ETF	0.39%
FKU	First Trust United Kingdom AlphaDEX Fund	0.33%
QLVD	FlexShares Developed Markets ex-US Quality Low Volatility I..	-0.18%
ISDX	Invesco RAFI Strategic Developed ex-US ETF	-0.25%
EWUS	iShares MSCI United Kingdom Small Cap ETF	-0.35%

Developed ex-U.S. Most Overbought

Ticker	Fund	Price
DXJ	WisdomTree Japan Hedged Equity Fund	50.59
LVHI	Legg Mason International Low Volatility High Dividend ETF	49.58
HEWJ	iShares Currency Hedged MSCI Japan ETF	49.44
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	49.44
HEDJ	WisdomTree Europe Hedged Equity Fund	45.86
EUSC	WisdomTree Europe Hedged SmallCap Equity Fund	45.56
DBEF	Xtrackers MSCI EAFE Hedged Equity ETF	45.48
HEFA	iShares Currency Hedged MSCI EAFE ETF	45.27
DBEU	Xtrackers MSCI Europe Hedged Equity ETF	44.86
HSCZ	iShares Currency Hedged MSCI EAFE Small-Cap ETF	44.73

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
GREK	Global X MSCI Greece ETF	-3.83%
TOK	iShares MSCI Kokusai ETF	-2.98%
DMXF	iShares ESG Advanced MSCI EAFE ETF	-2.68%
CIL	VictoryShares International Volatility Wtd ETF	-2.64%
ISRA	VanEck Israel ETF	-2.53%
EIS	iShares MSCI Israel ETF	-2.32%
EWC	iShares MSCI Canada ETF	-2.19%
BBCA	JPMorgan BetaBuilders Canada ETF	-2.07%
DXJ	WisdomTree Japan Hedged Equity Fund	-2.03%
HEWJ	iShares Currency Hedged MSCI Japan ETF	-1.99%

Developed ex-U.S. Most Oversold

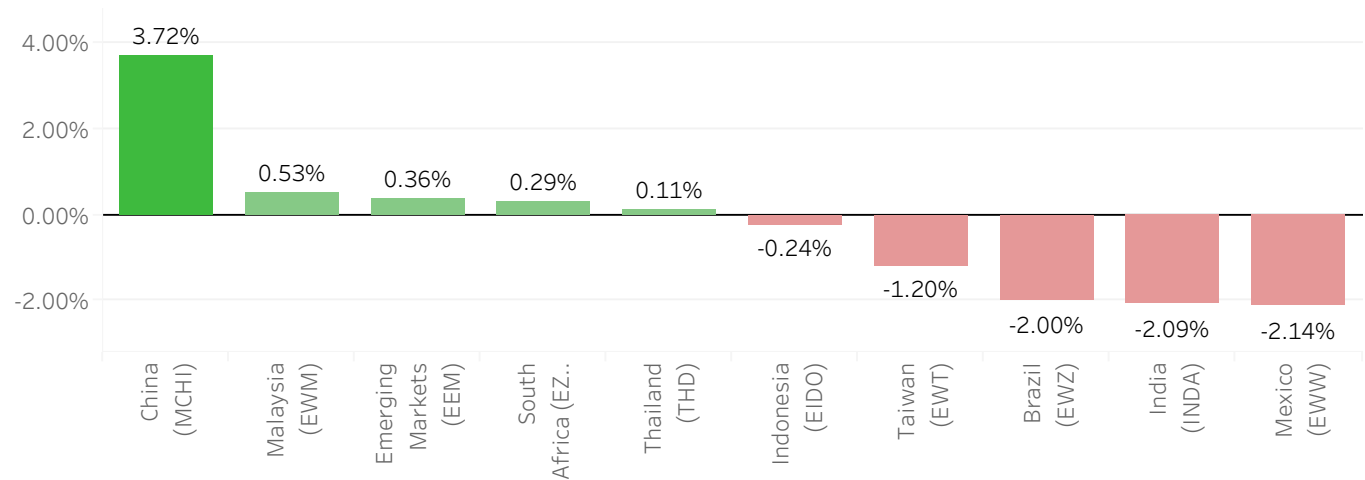
Ticker	Fund	Price
PTIN	Pacer Trendpilot International ETF	27.58
WPS	iShares International Developed Property ETF	28.62
NORW	Global X MSCI Norway ETF	28.87
ENZL	iShares MSCI New Zealand ETF	29.20
EWUS	iShares MSCI United Kingdom Small Cap ETF	31.55
EFAD	ProShares MSCI EAFE Dividend Growers ETF	32.26
IQDG	WisdomTree International Quality Dividend Growth ..	32.45
FIDI	Fidelity International High Dividend ETF	32.47
RBIN	Nationwide Risk-Based International Equity ETF	32.78
FEP	First Trust Europe AlphaDEX Fund	32.89

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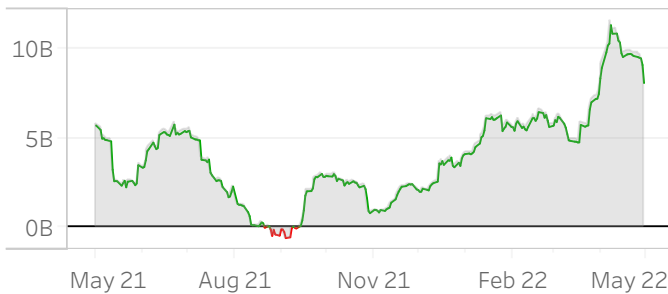
Emerging (EEM)



Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



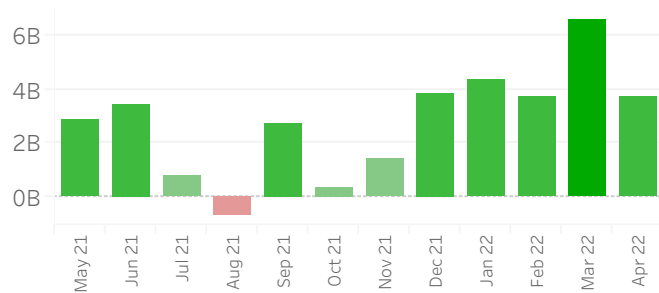
Emerging 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
PGJ	Invesco Golden Dragon China ETF	4.56%
FXI	iShares China Large-Cap ETF	4.18%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	4.05%
FLCH	Franklin FTSE China ETF	3.79%
MCHI	iShares MSCI China ETF	3.72%
GXC	SPDR S&P China ETF	3.04%
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	1.94%
FNI	First Trust Chindia ETF	1.61%
CNYA	iShares MSCI China A ETF	1.56%
QAT	iShares MSCI Qatar ETF	1.51%

Emerging Most Overbought

Ticker	Fund	Price
IDX	VanEck Indonesia Index ETF	62.05
KSA	iShares MSCI Saudi Arabia ETF	62.02
EIDO	iShares MSCI Indonesia ETF	57.92
TUR	iShares MSCI Turkey ETF	52.20
FXI	iShares China Large-Cap ETF	48.81
QAT	iShares MSCI Qatar ETF	48.55
PGJ	Invesco Golden Dragon China ETF	48.42
NFTY	First Trust India NIFTY 50 Equal Weight ETF	47.09
MCHI	iShares MSCI China ETF	46.92
FLCH	Franklin FTSE China ETF	46.15

Emerging Monthly Flows



Emerging 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
EPOL	iShares MSCI Poland ETF	-3.01%
EPI	WisdomTree India Earnings Fund	-2.31%
EPHE	iShares MSCI Philippines ETF	-2.20%
EWZS	iShares MSCI Brazil Small-Cap ETF	-2.17%
EWZ	iShares MSCI Brazil ETF	-2.14%
FLIN	Franklin FTSE India ETF	-2.10%
INDA	iShares MSCI India ETF	-2.09%
FLBR	Franklin FTSE Brazil ETF	-2.01%
EWZ	iShares MSCI Brazil ETF	-2.00%
PIN	Invesco India ETF	-1.87%

Emerging Most Oversold

Ticker	Fund	Price
EPOL	iShares MSCI Poland ETF	26.61
EPOL	iShares MSCI Poland ETF	27.45
FRDM	Freedom 100 Emerging Markets ETF	28.06
EZA	iShares MSCI South Africa ETF	28.52
ILF	iShares Latin America 40 ETF	28.89
AFK	VanEck Africa Index ETF	29.45
VNM	VanEck Vietnam ETF	31.30
EWZ	iShares MSCI Brazil ETF	31.31
EWZ	iShares MSCI Brazil ETF	31.42
FLBR	Franklin FTSE Brazil ETF	31.90

*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	-0.60%	-3.59%	-9.43%
SHY	1-3 Year Treasury Bonds	-0.19%	-0.42%	-2.99%
IEF	7-10 Year Treasury Bonds	-0.53%	-3.67%	-10.33%
TLT	20+ Year Treasury Bonds	-1.30%	-8.50%	-19.05%
TIP	TIPS Bonds	-0.83%	-2.01%	-5.18%
FLOT	Floating Rate Bonds	0.06%	0.04%	-0.32%
LQD	Investment Grade Corporate	-1.11%	-6.70%	-14.52%
HYG	High Yield Corporate	-1.23%	-4.82%	-8.72%
BKLN	Senior Loan	-0.37%	-0.88%	-1.40%
PFF	Preferred & Income Securities	-0.82%	-6.10%	-13.02%
MUB	Municipal Bonds	-0.02%	-2.24%	-7.81%
MBB	MBS	-0.50%	-3.18%	-8.30%
EMB	Dollar Denominated EM Bonds	-1.70%	-6.70%	-15.74%
LEMB	Local Currency EM Bond	-0.03%	-4.40%	-10.33%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	-1.08%	4.69%	34.49%
DBE	Energy	-0.39%	9.18%	48.65%
USO	WTI Crude Oil	-1.18%	1.33%	41.94%
BNO	Brent Crude Oil	-0.71%	-1.26%	46.10%
UNG	Natural Gas	4.82%	34.41%	100.16%
UGA	Gasoline	-0.57%	7.88%	49.68%
DBP	Precious Metals	-0.25%	-2.89%	1.90%
GLD	Gold	-0.01%	-1.24%	3.48%
SLV	Silver	-1.77%	-8.16%	-2.19%
PPLT	abrdn Physical Platin..	1.91%	-5.24%	-3.20%
PALL	abrdn Physical Palla..	3.04%	7.27%	20.94%
DBB	Base Metals	-1.82%	-7.15%	6.78%
CPER	Copper	-1.45%	-8.54%	-2.79%
LD	Lead	-1.64%	-3.83%	-0.22%
JJN	Nickel	-4.35%	-0.60%	52.54%
JJU	Aluminum	-1.31%	-12.71%	7.18%
JJT	Tin	-0.01%	-4.71%	4.27%
DBA	Agriculture	-1.08%	1.47%	11.75%
CORN	Corn	-0.07%	15.13%	39.18%
SOYB	Soybeans	-0.49%	5.23%	25.63%
WEAT	Wheat	-3.16%	5.36%	41.00%
CANE	Sugar	0.10%	0.74%	4.13%
BAL	Cotton	-1.75%	7.85%	34.10%
NIB	Cocoa	-0.33%	-4.50%	-2.43%
JO	Coffee	1.02%	3.08%	-1.65%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	-0.40%	4.71%	7.57%
UDN	Short Dollar	0.46%	-4.78%	-7.61%
FXE	Euro	0.37%	-4.99%	-7.57%
FXB	British Pound Sterling	0.93%	-3.97%	-7.05%
FXF	Swiss Franc	-0.15%	-4.53%	-6.65%
FXJ	Japanese Yen	0.87%	-5.36%	-11.44%
FXC	Canadian Dollar	-0.26%	-2.66%	-1.68%
FXA	Australian Dollar	-0.54%	-5.99%	-2.84%

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