

Large Cap Blend (S&P 500) IVV



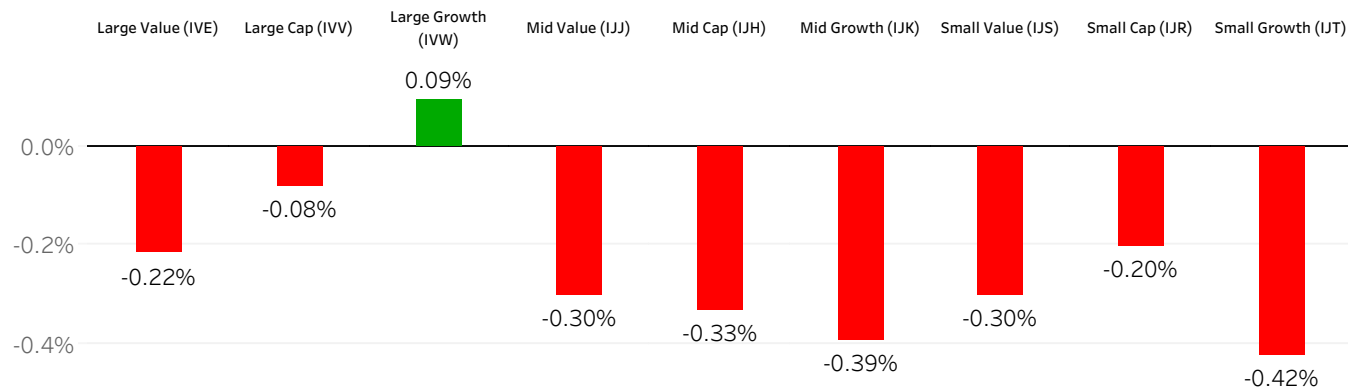
Mid Cap Blend (S&P 400) IJH



Small Cap Blend (S&P 600) IJR



U.S. Size & Style 1-Day Performance



Size & Style 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
PABU	iShares Paris-Aligned Climate MSCI USA ETF	4.17%
GUSA	Goldman Sachs MarketBeta U.S. 1000 Equity ETF	1.65%
IWC	iShares Micro-Cap ETF	0.49%
AIEQ	AI Powered Equity ETF	0.48%
QMOM	Alpha Architect U.S. Quantitative Momentum ETF	0.41%
RPG	Invesco S&P 500 Pure Growth ETF	0.39%
DWAS	Invesco DWA SmallCap Momentum ETF	0.34%
PWC	Invesco Dynamic Market ETF	0.33%
CSF	VictoryShares US Discovery Enhanced Volatility Wtd ETF	0.33%
PTNQ	Pacer Trendpilot 100 ETF	0.29%

Size & Style Most Overbought

Ticker	Fund	Value
PABU	iShares Paris-Aligned Climate MSCI USA ETF	59.80
IPO	Renaissance IPO ETF	57.57
PTNQ	Pacer Trendpilot 100 ETF	57.19
AIEQ	AI Powered Equity ETF	56.63
LCG	Sterling Capital Focus Equity ETF	56.35
IWO	iShares Russell 2000 Growth ETF	56.16
NZUS	SPDR MSCI USA Climate Paris Aligned ETF	56.07
DFNV	TrimTabs Donoghue Forlines Risk Managed Innovation ETF	56.05
QLV	FlexShares US Quality Low Volatility Index Fund	56.04
VTWG	Vanguard Russell 2000 Growth ETF	56.02

Size & Style 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
SMDV	ProShares Russell 2000 Dividend Growers ETF	-0.97%
PEY	Invesco High Yield Equity Dividend Achievers ETF	-0.82%
ISMD	Inspire Small/Mid Cap ESG ETF	-0.76%
XMLV	Invesco S&P MidCap Low Volatility ETF	-0.71%
REGL	ProShares S&P MidCap 400 Dividend Aristocrats ETF	-0.70%
LSAF	LeaderShares AlphaFactor US Core Equity ETF	-0.68%
OUSM	ALPS O'Shares US Small-Cap Quality Dividend ETF	-0.67%
SDY	SPDR S&P Dividend ETF	-0.66%
SDVY	First Trust SMID Cap Rising Dividend Achievers ETF	-0.65%
FVD	First Trust Value Line Dividend Index Fund	-0.64%

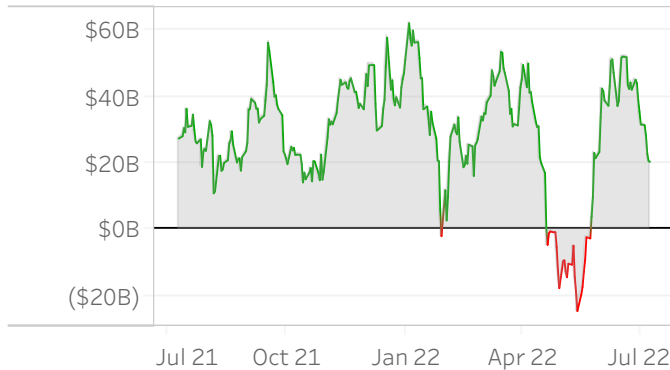
Size & Style Most Oversold

Ticker	Fund	Value
LGH	HCM Defender 500 Index ETF	31.97
QQH	HCM Defender 100 Index ETF	36.11
RPHS	Regents Park Hedged Market Strategy ETF	37.29
FFTY	Innovator IBD 50 ETF	38.19
EQRR	ProShares Equities for Rising Rates ETF	38.79
WBIY	WBI Power Factor High Dividend ETF	39.40
CSD	Invesco S&P Spin-Off ETF	39.76
ABEQ	Absolute Core Strategy ETF	40.16
DEIF	Sterling Capital Diverse Multi-Manager Active ETF	40.68
X SVM	Invesco S&P SmallCap Value with Momentum ETF	40.72

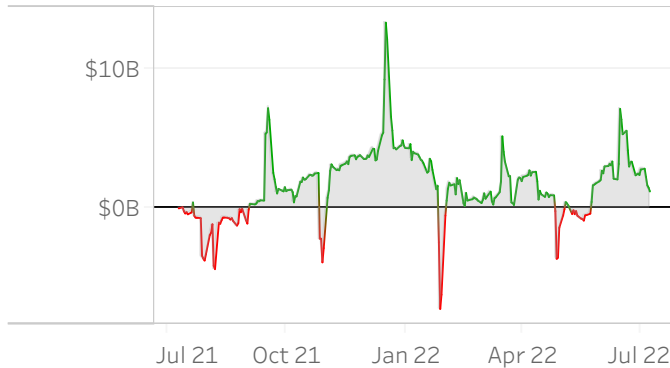
■ Closing Price ■ 50 Day Moving Average ■ 200 Day Moving Average

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

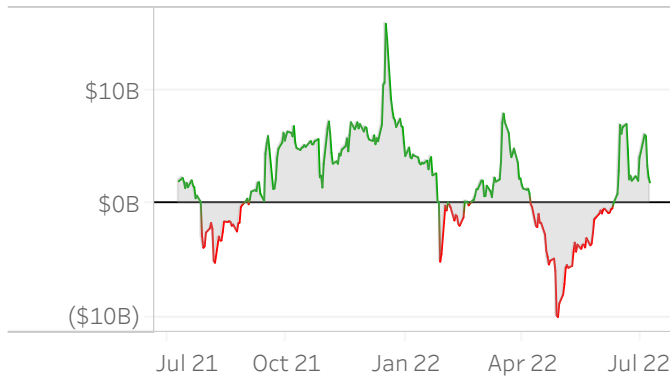
Large-Cap 30-Day Rolling Flows



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	25	\$1,176B	(\$0.93B)	\$0.16B	\$26.36B	\$120.65B
Large Cap, Beta Growth, Beta: Growth	10	\$217B	\$0.57B	\$4.17B	\$6.75B	\$16.31B
Large Cap, Beta Growth, Beta: Value	11	\$210B	(\$0.24B)	\$4.52B	\$16.59B	\$27.79B
Mid Cap, Beta, Beta	10	\$166B	\$0.03B	\$2.30B	\$4.40B	\$11.49B
Mid Cap, Beta, Beta: Growth	6	\$31B	\$0.12B	\$0.22B	(\$0.30B)	\$0.49B
Mid Cap, Beta, Beta: Value	6	\$37B	(\$0.46B)	(\$0.78B)	\$0.10B	\$0.62B
Small Cap, Beta, Beta	13	\$181B	(\$2.10B)	(\$3.12B)	(\$3.76B)	\$7.81B
Small Cap, Beta, Beta: Growth	7	\$30B	\$0.00B	\$0.81B	\$0.99B	\$1.78B
Small Cap, Beta, Beta: Value	7	\$48B	(\$0.46B)	\$0.05B	(\$2.19B)	(\$1.34B)

U.S. Size & Style Flow Leaders

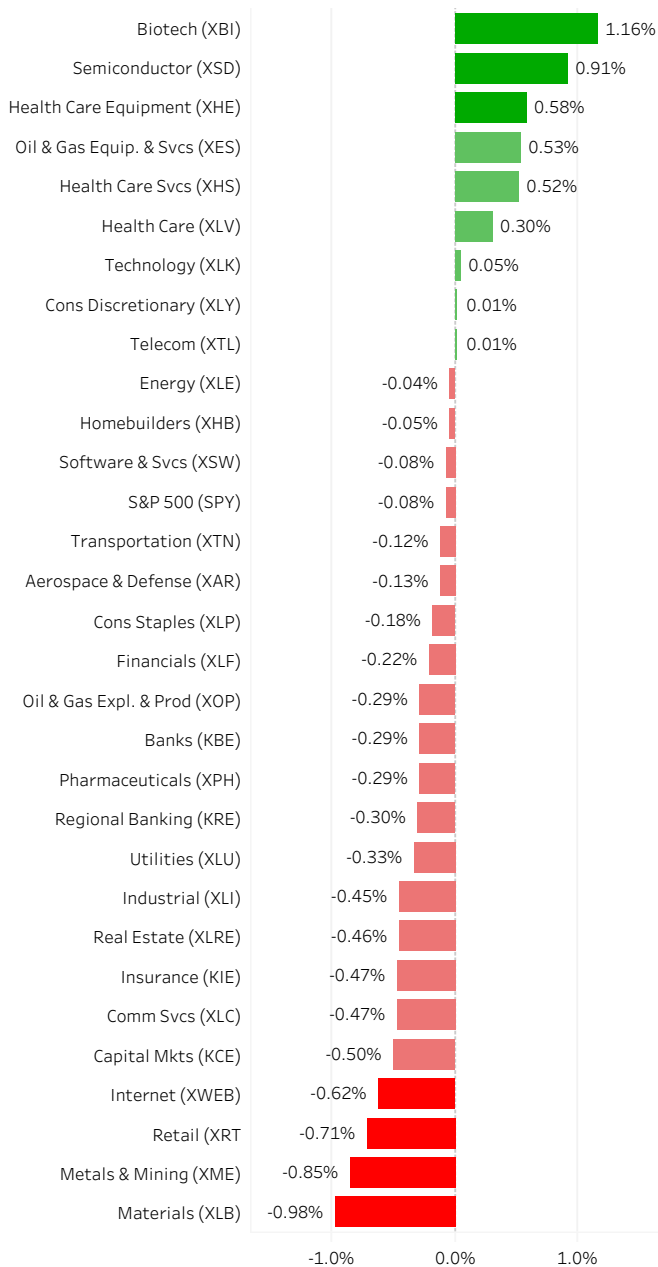
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
IVV	iShares Core S&P 500 ETF	\$1.26B	(\$0.90B)	\$15.14B	\$30.76B	\$288.17B
VOO	Vanguard S&P 500 ETF	\$1.04B	\$3.56B	\$27.53B	\$44.93B	\$253.35B
USMV	iShares MSCI USA Min Vol Factor ETF	\$0.49B	\$0.95B	\$0.06B	\$0.27B	\$26.94B
VTI	Vanguard Total Stock Market ETF	\$0.40B	\$4.03B	\$11.89B	\$35.96B	\$253.10B
HDV	iShares Core High Dividend ETF	\$0.31B	\$4.72B	\$5.86B	\$5.92B	\$13.07B
SCHD	Schwab US Dividend Equity ETF	\$0.24B	\$3.31B	\$7.01B	\$10.77B	\$35.19B
IVW	iShares S&P 500 Growth ETF	\$0.22B	(\$1.33B)	(\$1.00B)	(\$0.16B)	\$29.61B
VUG	Vanguard Growth ETF	\$0.17B	\$2.46B	\$4.85B	\$6.73B	\$70.84B
IWF	iShares Russell 1000 Growth ETF	\$0.12B	\$1.42B	\$0.64B	\$1.28B	\$60.00B
IJH	iShares Core S&P Mid-Cap ETF	\$0.11B	\$0.39B	\$1.52B	\$3.27B	\$57.56B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	(\$3.39B)	(\$4.67B)	(\$23.03B)	\$14.13B	\$353.50B
IWM	iShares Russell 2000 ETF	(\$1.14B)	\$0.10B	(\$2.36B)	(\$1.14B)	\$52.10B
IJR	iShares Core S&P Small Cap ETF	(\$0.64B)	(\$1.69B)	(\$1.10B)	\$2.33B	\$61.13B
IJJ	iShares S&P Mid-Cap 400 Value ETF	(\$0.42B)	(\$0.31B)	(\$0.83B)	(\$1.26B)	\$6.80B
IJS	iShares S&P Small-Cap 600 Value ETF	(\$0.37B)	\$1.14B	\$0.54B	\$0.15B	\$8.14B
ITOT	iShares Core S&P Total U.S. Stock Market ETF	(\$0.33B)	\$3.22B	\$3.70B	\$7.06B	\$41.67B
VTWO	Vanguard Russell 2000 ETF	(\$0.30B)	(\$1.03B)	(\$0.51B)	\$1.68B	\$5.15B
IVE	iShares S&P 500 Value ETF	(\$0.26B)	\$0.78B	\$1.96B	\$2.94B	\$23.66B
MOAT	VanEck Morningstar Wide Moat ETF	(\$0.24B)	(\$0.16B)	\$0.05B	\$0.83B	\$6.27B
DIA	SPDR Dow Jones Industrial Average ETF Trust	(\$0.17B)	(\$0.16B)	\$0.24B	(\$0.41B)	\$27.01B

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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)
XLV	Health Care Select Sector SPDR Fund	-8.46%	9.05%	1.89%	-1.00%	58.59
XLU	Utilities Select Sector SPDR Fund	-9.28%	9.85%	-1.63%	0.07%	49.13
XLP	Consumer Staples Select Sector SPDR Fund	-9.52%	5.96%	-0.56%	-1.86%	53.04
XLI	Industrial Select Sector SPDR Fund	-17.93%	2.75%	-3.66%	-11.70%	45.13
SPY	SPDR S&P 500 ETF Trust	-18.64%	6.23%	-1.50%	-10.97%	51.41
XLB	Materials Select Sector SPDR Fund	-19.41%	0.54%	-9.52%	-13.92%	34.47
XLRE	Real Estate Select Sector SPDR Fund	-20.42%	6.13%	-2.55%	-11.13%	47.08
XLF	Financial Select Sector SPDR Fund	-22.55%	4.02%	-3.45%	-14.42%	46.43
XLE	Energy Select Sector SPDR Fund	-23.11%	54.95%	-11.59%	3.24%	38.89
XLK	Technology Select Sector SPDR Fund	-24.78%	7.60%	-0.80%	-13.20%	53.29
XLY	Consumer Discretionary Select Sector SPDR Fund	-30.77%	8.72%	-0.53%	-18.26%	53.36
XLC	Communication Services Select Sector SPDR Fund	-34.10%	6.84%	-1.36%	-18.38%	51.93

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
PSI	Invesco Dynamic Semiconductors ETF	1.18%
XBI	SPDR S&P BIOTECH ETF	1.16%
BIZD	VanEck BDC Income ETF	1.05%
PTH	Invesco DWA Healthcare Momentum ETF	1.04%
PTF	Invesco DWA Technology Momentum ETF	1.04%
XSD	SPDR S&P Semiconductor ETF	0.91%
IHF	iShares U.S. Healthcare Providers ETF	0.75%
IBB	iShares Biotechnology ETF	0.67%
MLPA	Global X MLP ETF	0.64%
ENFR	Alerian Energy Infrastructure ETF	0.64%

Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
XBI	SPDR S&P BIOTECH ETF	70.66
IBB	iShares Biotechnology ETF	68.84
PBE	Invesco Dynamic Biotechnology & Genome ETF	67.20
PTH	Invesco DWA Healthcare Momentum ETF	66.37
XHS	SPDR S&P Health Care Services ETF	65.84
FBT	First Trust NYSE Arca Biotechnology Index Fund	64.77
XPH	SPDR S&P Pharmaceuticals ETF	63.64
PJP	Invesco Dynamic Pharmaceuticals ETF	63.51
PSCH	Invesco S&P SmallCap Health Care ETF	61.65
IHF	iShares U.S. Healthcare Providers ETF	60.83

Sector & Industry 1 Day Performance Laggards

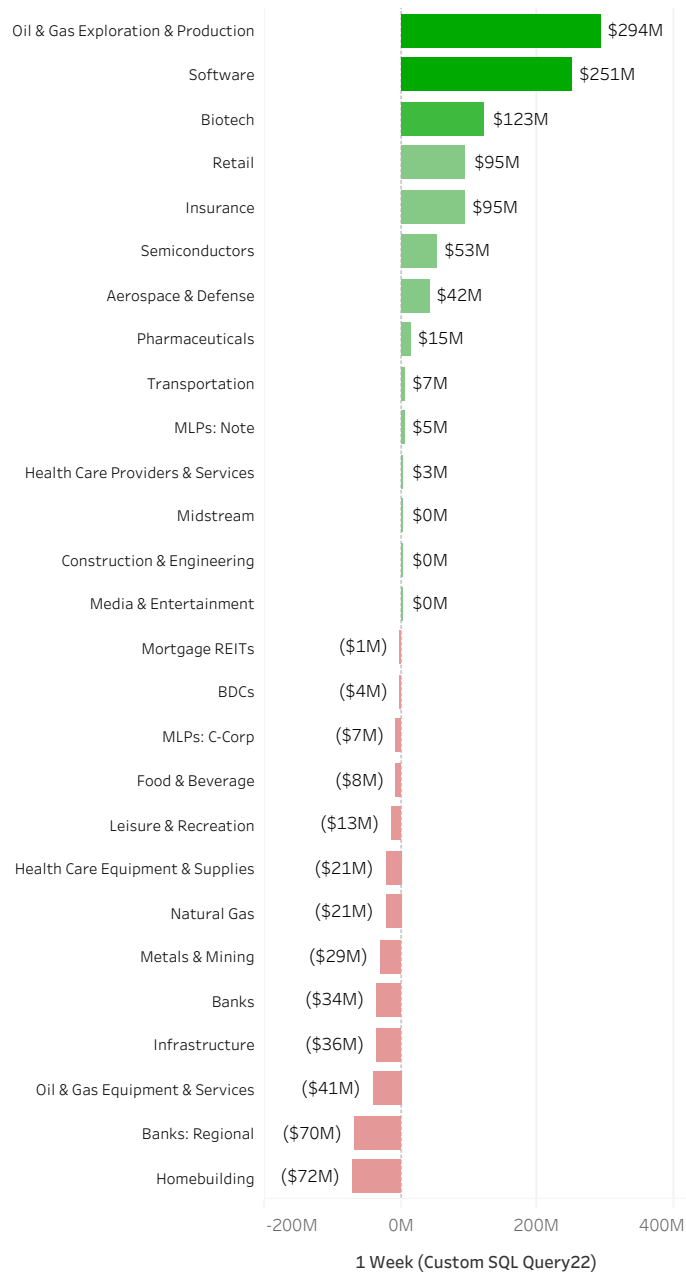
Ticker	Fund	1 Day Performance
VRAI	Virtus Real Asset Income ETF	-1.60%
PEJ	Invesco Dynamic Leisure & Entertainment ETF	-1.34%
RTM	Invesco S&P 500 Equal Weight Materials ETF	-1.10%
VAW	Vanguard Materials ETF	-1.04%
FXZ	First Trust Materials AlphaDEX Fund	-1.02%
XLB	Materials Select Sector SPDR Fund	-0.98%
FMAT	Fidelity MSCI Materials Index ETF	-0.95%
IYM	iShares U.S. Basic Materials ETF	-0.95%
XME	SPDR S&P Metals & Mining ETF	-0.85%
PPTY	US Diversified Real Estate ETF	-0.81%

Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
IYM	iShares U.S. Basic Materials ETF	32.95
FXZ	First Trust Materials AlphaDEX Fund	33.41
XLB	Materials Select Sector SPDR Fund	34.47
PYZ	Invesco DWA Basic Materials Momentum ETF	34.79
VAW	Vanguard Materials ETF	35.25
FMAT	Fidelity MSCI Materials Index ETF	35.45
XES	SPDR S&P Oil & Gas Equipment & Services ETF	37.20
RTM	Invesco S&P 500 Equal Weight Materials ETF	37.23
XME	SPDR S&P Metals & Mining ETF	37.56
IEZ	iShares U.S. Oil Equipment & Services ETF	37.65

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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	\$0M	(\$393M)	(\$685M)	(\$139M)
Consumer Discretionary	13	\$22B	(\$116M)	(\$2,593M)	(\$5,303M)	(\$4,965M)
Consumer Staples	12	\$27B	(\$95M)	\$1,862M	\$4,523M	\$6,797M
Energy	34	\$68B	(\$431M)	(\$2,566M)	(\$1,513M)	\$1,751M
Financials	28	\$56B	(\$343M)	(\$11,311M)	(\$15,194M)	(\$8,569M)
Health Care	26	\$91B	\$299M	\$4,139M	\$6,856M	\$13,267M
Industrial	14	\$27B	(\$423M)	(\$2,589M)	(\$3,385M)	(\$5,627M)
Materials	10	\$14B	(\$426M)	(\$1,443M)	\$158M	(\$1,436M)
Multi-Sector	19	\$14B	(\$217M)	(\$1,291M)	(\$5,134M)	(\$3,182M)
Real Estate	24	\$66B	(\$456M)	(\$1,918M)	(\$4,994M)	\$3,379M
Technology	24	\$117B	\$361M	(\$632M)	(\$2,030M)	\$5,015M
Utilities	10	\$25B	\$296M	\$2,743M	\$4,457M	\$5,128M

U.S. Sector & Industry Flow Leaders

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XOP	SPDR S&P Oil & Gas Exploration & Production E..	\$337M	(\$458M)	(\$309M)	(\$532M)	\$4,397M
IGV	iShares Expanded Tech-Software Sector ETF	\$254M	\$540M	\$701M	\$1,419M	\$4,938M
XLU	Utilities Select Sector SPDR Fund	\$236M	\$2,270M	\$3,175M	\$3,403M	\$16,062M
XLV	Health Care Select Sector SPDR Fund	\$123M	\$3,012M	\$4,238M	\$8,132M	\$38,394M
IBB	iShares Biotechnology ETF	\$117M	(\$104M)	(\$77M)	\$61M	\$8,257M
XRT	SPDR S&P Retail ETF	\$95M	\$190M	\$249M	(\$250M)	\$497M
XLK	Technology Select Sector SPDR Fund	\$68M	(\$549M)	(\$287M)	\$1,991M	\$39,693M
KIE	SPDR S&P Insurance ETF	\$61M	\$148M	\$217M	(\$77M)	\$610M
SOXX	iShares Semiconductor ETF	\$56M	(\$250M)	(\$169M)	\$1,523M	\$6,412M
VHT	Vanguard Health Care ETF	\$54M	(\$124M)	\$400M	\$1,398M	\$16,307M

U.S. Sector & Industry Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLE	Energy Select Sector SPDR Fund	(\$492M)	(\$1,024M)	(\$2,509M)	(\$466M)	\$32,915M
XLI	Industrial Select Sector SPDR Fund	(\$455M)	(\$1,161M)	(\$3,383M)	(\$4,841M)	\$12,297M
XLB	Materials Select Sector SPDR Fund	(\$253M)	(\$508M)	(\$1,108M)	(\$2,168M)	\$6,082M
XLF	Financial Select Sector SPDR Fund	(\$196M)	(\$6,706M)	(\$9,232M)	(\$5,119M)	\$29,556M
XLY	Consumer Discretionary Select Sector SPDR Fu..	(\$144M)	(\$952M)	(\$2,610M)	(\$1,891M)	\$14,671M
VFH	Vanguard Financials ETF	(\$142M)	(\$1,379M)	(\$1,116M)	(\$709M)	\$8,609M
BBRE	JPMorgan BetaBuilders MSCI U.S. REIT ETF	(\$138M)	(\$124M)	(\$264M)	(\$389M)	\$989M
FDN	First Trust Dow Jones Internet Index Fund	(\$94M)	(\$976M)	(\$2,065M)	(\$2,335M)	\$4,373M
IYR	iShares U.S. Real Estate ETF	(\$89M)	\$36M	(\$2,316M)	(\$507M)	\$4,291M
XLRE	Real Estate Select Sector SPDR Fund	(\$81M)	\$298M	(\$38M)	\$2,235M	\$5,243M

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Communication Services



Consumer Discretionary



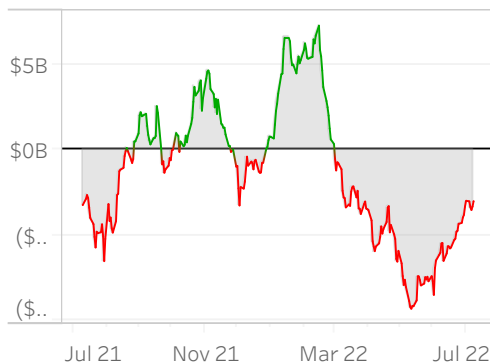
Consumer Staples



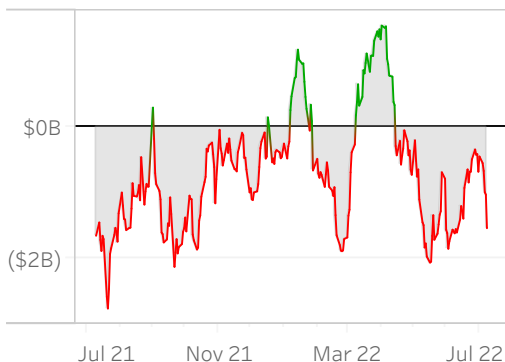
Energy



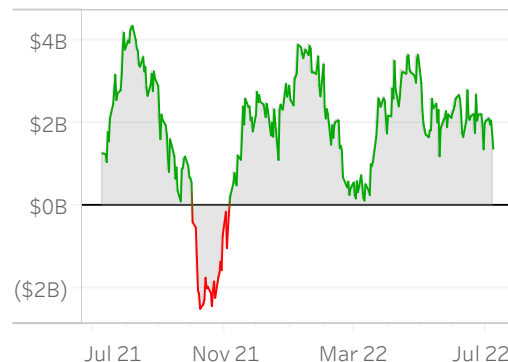
Financials



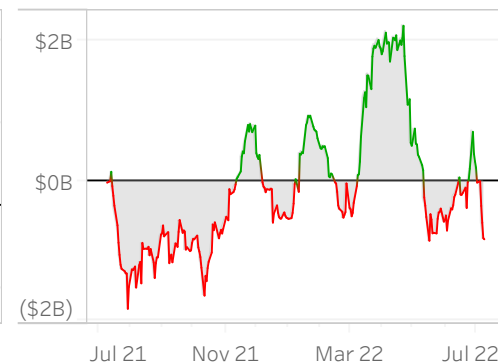
Industrial



Health Care



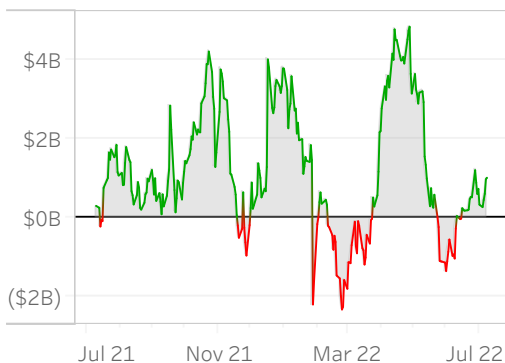
Materials



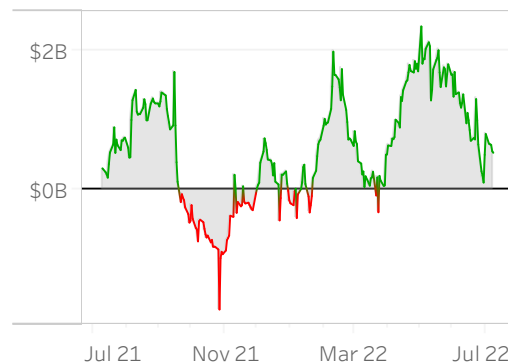
Real Estate



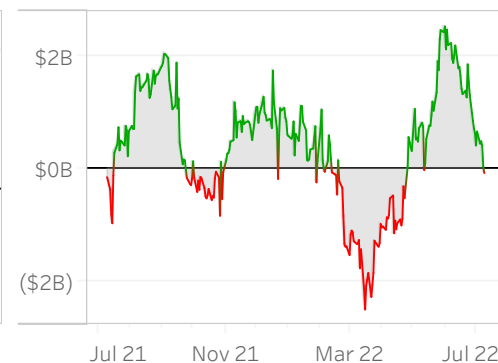
Technology



Utilities

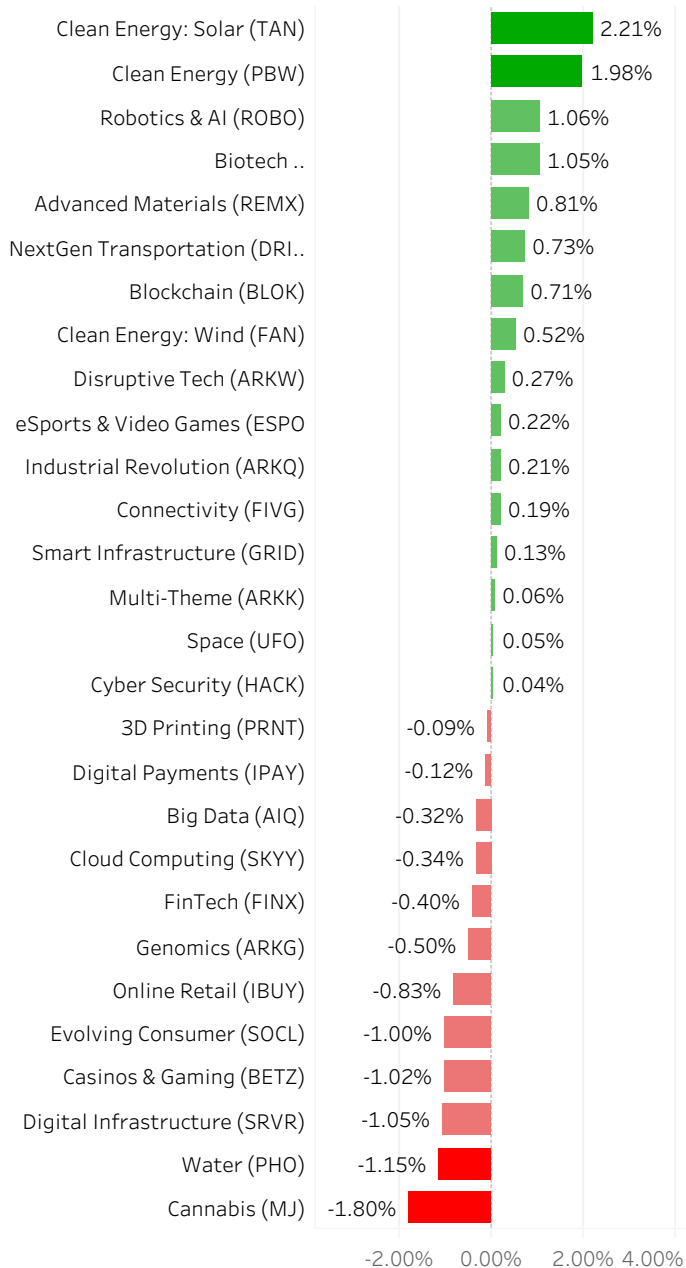


Multi-Sector

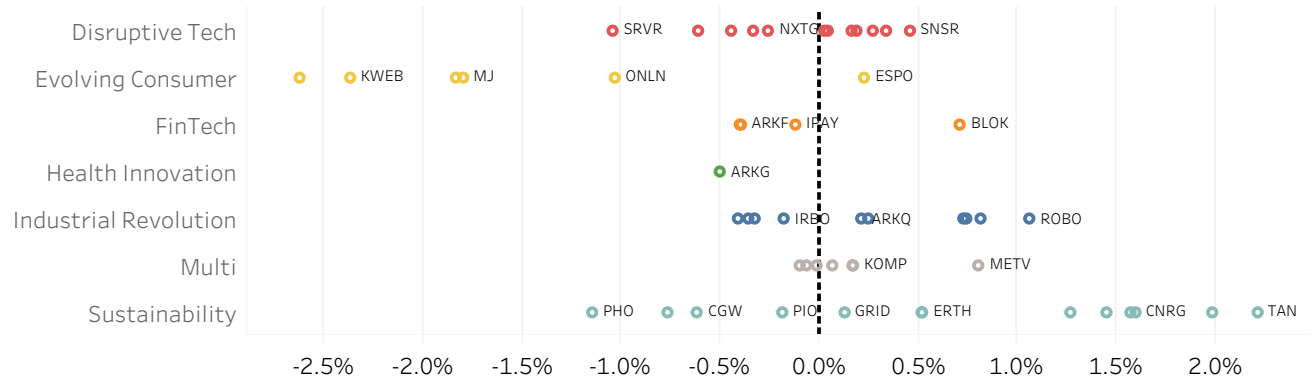


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
BITQ	Bitwise Crypto Industry Innovators ETF	2.62%
TAN	Invesco Solar ETF	2.21%
PBW	Invesco WilderHill Clean Energy ETF	1.98%
CNRG	SPDR S&P Kensho Clean Power ETF	1.60%
ACES	ALPS Clean Energy ETF	1.57%
PBD	Invesco Global Clean Energy ETF	1.57%
CTEC	Global X CleanTech ETF	1.48%
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	1.45%
ICLN	iShares Global Clean Energy ETF	1.27%
ROBO	ROBO Global Robotics & Automation Index ETF	1.06%

Thematic Most Overbought

Ticker	Fund	Price
SBIO	ALPS Medical Breakthroughs ETF	71.39
IDNA	iShares Genomics Immunology and Healthcare ETF Genom..	70.28
GNOM	Global X Genomics & Biotechnology ETF	69.35
BTEC	Principal Healthcare Innovators ETF	67.01
ARKG	ARK Genomic Revolution ETF	65.00
GDOC	Goldman Sachs Future Health Care Equity ETF	63.17
KGRN	KraneShares MSCI China Clean Technology Index ETF	63.01
HTEC	ROBO Global Healthcare Technology and Innovation ETF	62.52
EDOC	Global X Telemedicine & Digital Health ETF Registered	61.80
TAN	Invesco Solar ETF	61.53

Global Thematic 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
MSOS	AdvisorShares Pure US Cannabis ETF	-2.63%
KWEB	KraneShares CSI China Internet ETF	-2.37%
EMQQ	EMQQ The Emerging Markets Internet & Ecommerce E..	-1.84%
MJ	ETFMG Alternative Harvest ETF	-1.80%
KGRN	KraneShares MSCI China Clean Technology Index ETF	-1.56%
KSTR	KraneShares SSE STAR Market 50 Index ETF	-1.37%
PHO	Invesco Water Resources ETF	-1.15%
EBIZ	Global X E-Commerce ETF	-1.07%
YOLO	AdvisorShares Pure Cannabis ETF	-1.06%
SRVR	Pacer Benchmark Data & Infrastructure Real Estate S..	-1.05%

Thematic Most Oversold

Ticker	Fund	Price
YOLO	AdvisorShares Pure Cannabis ETF	38.11
MSOS	AdvisorShares Pure US Cannabis ETF	38.90
MJ	ETFMG Alternative Harvest ETF	40.10
BETZ	Roundhill Sports Betting & iGaming ETF	40.62
AWAY	ETFMG Travel Tech ETF	41.10
POTX	Global X Cannabis ETF	42.11
LEGR	First Trust Indxx Innovative Transaction & Process ETF	42.29
REMX	VanEck Rare Earth/Strategic Metals ETF	42.69
NXTG	First Trust Indxx NextG ETF	43.01
BLCN	Siren ETF Trust Siren Nasdaq NexGen Economy ETF	44.79

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Thematic 1 Week Flow Leaders

Ticker	Fund	
ARKK	ARK Innovation ETF	\$381M
ARKG	ARK Genomic Revolution ETF	\$131M
KWEB	KraneShares CSI China Internet ETF	\$61M
KOMP	SPDR S&P Kensho New Economies Composite ETF	\$12M
MOON	Direxion Moonshot Innovators ETF	\$8M
WCLD	WisdomTree Cloud Computing Fund	\$8M
TAN	Invesco Solar ETF	\$6M
MSOS	AdvisorShares Pure US Cannabis ETF	\$6M
ICLN	iShares Global Clean Energy ETF	\$4M
QTUM	Defiance Quantum ETF	\$2M

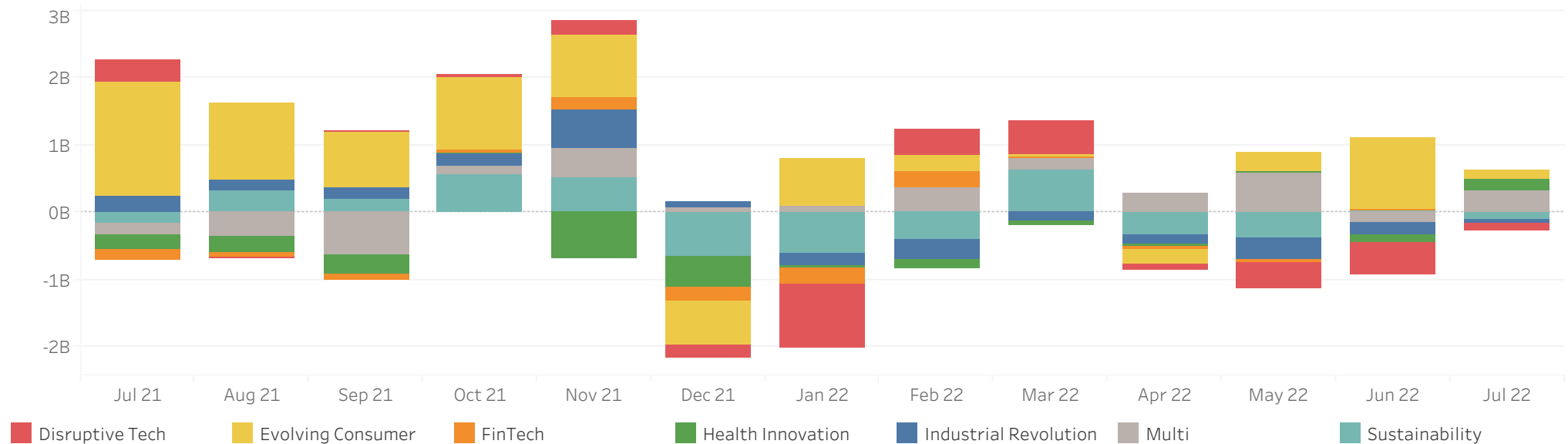
Thematic 1 Week Flow Laggards

Ticker	Fund	
LIT	Global X Lithium & Battery Tech ETF	(\$27M)
CIBR	First Trust NASDAQ Cybersecurity ETF	(\$21M)
ARKW	ARK Next Generation Internet ETF	(\$20M)
SKYY	First Trust Cloud Computing ETF	(\$17M)
GRID	First Trust Nasdaq Clean Edge Smart GRID Infrastructure Index	(\$12M)
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	(\$11M)
SRVR	Pacer Benchmark Data & Infrastructure Real Estate SCTR ETF	(\$10M)
DRIV	Global X Autonomous & Electric Vehicles ETF	(\$10M)
XITK	SPDR FactSet Innovative Technology ETF	(\$8M)
ROBO	ROBO Global Robotics & Automation Index ETF	(\$7M)

Thematic Landscape Assets & Flows

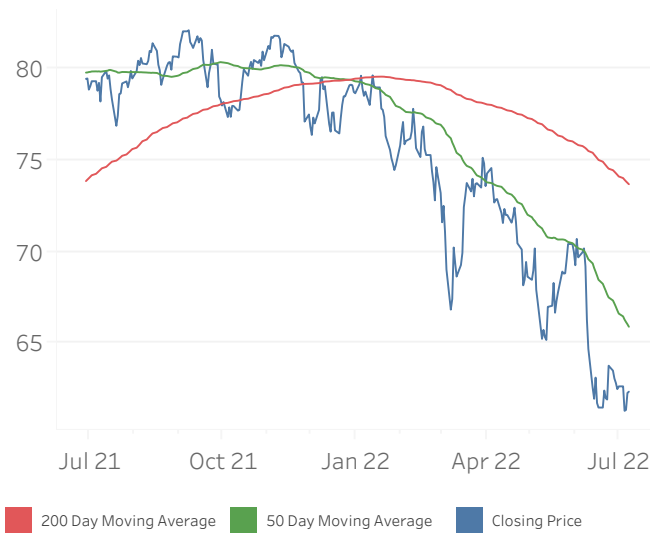
Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	36	\$19B	(\$85M)	(\$1,192M)	(\$684M)	(\$696M)
Evolving Consumer	48	\$13B	\$51M	\$1,179M	\$1,834M	\$7,277M
FinTech	24	\$3B	(\$3M)	(\$131M)	\$56M	(\$359M)
Health Innovation	19	\$4B	\$134M	(\$2M)	(\$194M)	(\$2,059M)
Industrial Revolution	32	\$12B	(\$52M)	(\$707M)	(\$1,341M)	\$55M
Multi	42	\$16B	\$393M	\$1,427M	\$1,740M	\$1,153M
Sustainability	42	\$18B	(\$32M)	(\$763M)	(\$934M)	(\$341M)
Grand Total	243	\$85B	\$408M	(\$190M)	\$477M	\$5,029M

Thematic Monthly Flows

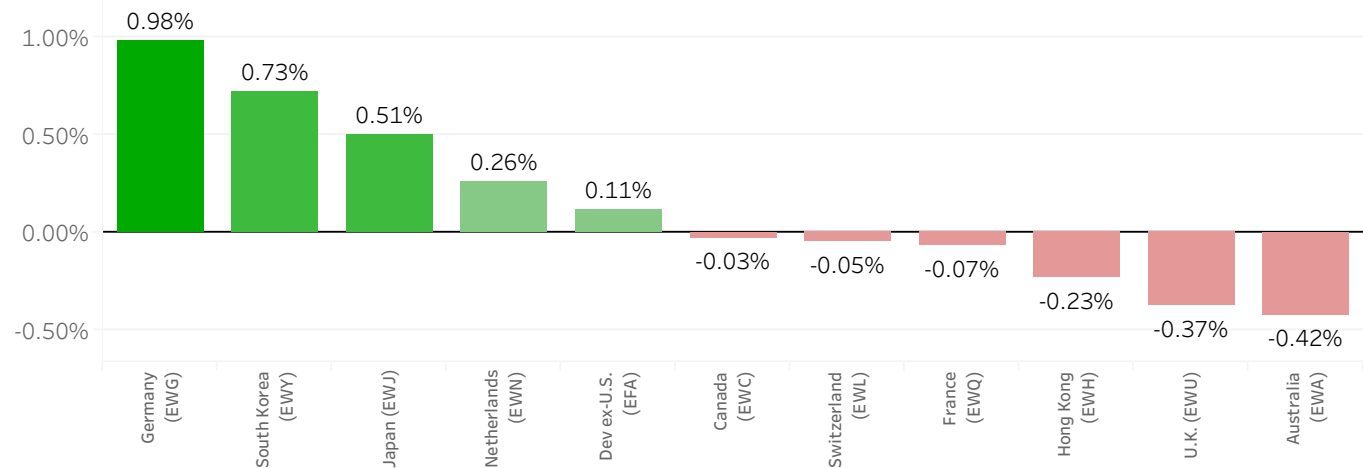


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

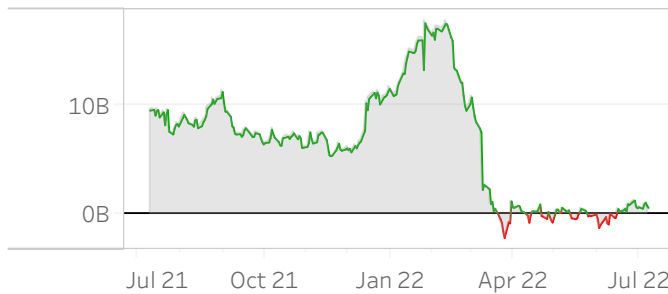
Developed ex-U.S. (EFA)



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



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



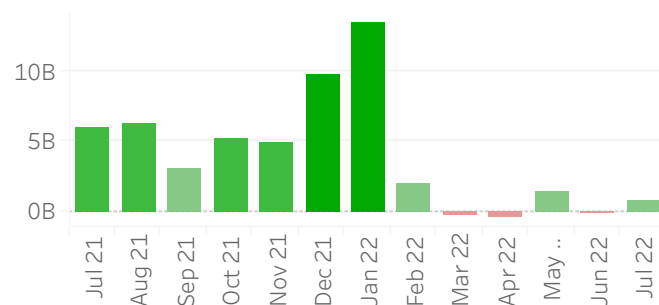
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	Performance
EWO	iShares MSCI Austria ETF	2.98%
GREK	Global X MSCI Greece ETF	1.30%
FDT	First Trust Developed Markets ex-US AlphaDEX Fund	1.15%
IVAL	Alpha Architect International Quantitative Value ETF	1.10%
FKU	First Trust United Kingdom AlphaDEX Fund	1.02%
EDEN	iShares MSCI Denmark ETF	1.00%
EWG	iShares MSCI Germany ETF	0.98%
DXJ	WisdomTree Japan Hedged Equity Fund	0.89%
FDD	First Trust Stoxx European Select Dividend Index Fund	0.85%
IMOM	Alpha Architect International Quantitative Momentum ETF	0.77%

Developed ex-U.S. Most Overbought

Ticker	Fund	Value
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	55.57
EWH	iShares MSCI Hong Kong ETF	55.51
HEWJ	iShares Currency Hedged MSCI Japan ETF	53.46
EFAD	ProShares MSCI EAFE Dividend Growers ETF	52.53
ISRA	VanEck Israel ETF	51.67
DXJ	WisdomTree Japan Hedged Equity Fund	51.33
JIRE	JPMorgan International Research Enhanced Equity ETF	50.73
ENZL	iShares MSCI New Zealand ETF	50.35
AAXJ	iShares MSCI All Country Asia ex Japan ETF	49.71
SCJ	iShares MSCI Japan Small-Cap ETF	49.39

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	Performance
CIL	VictoryShares International Volatility Wtd ETF	-1.01%
NORW	Global X MSCI Norway ETF	-1.00%
IMFL	Invesco International Developed Dynamic Multifactor ETF	-0.45%
EWA	iShares MSCI Australia ETF	-0.42%
EWU	iShares MSCI United Kingdom ETF	-0.37%
BBAX	JPMorgan BetaBuilders Developed Asia Pacific-ex Japan E..	-0.29%
EPP	iShares MSCI Pacific ex-Japan ETF	-0.29%
EUQG	WisdomTree Europe Quality Dividend Growth Fund	-0.27%
AIA	iShares Asia 50 ETF	-0.27%
EWP	iShares MSCI Spain ETF	-0.26%

Developed ex-U.S. Most Oversold

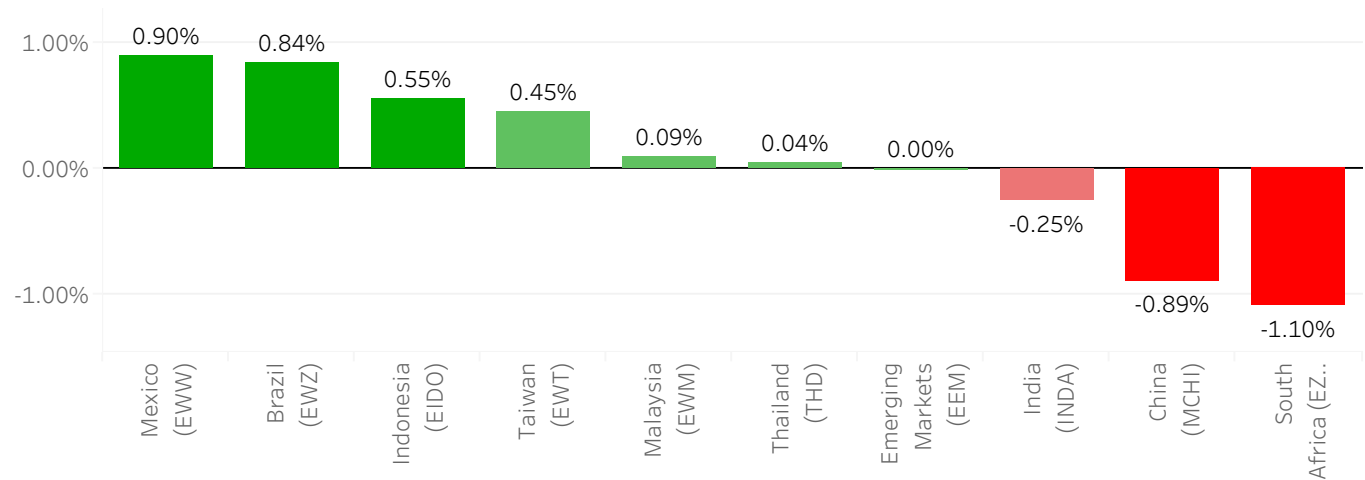
Ticker	Fund	Value
IMFL	Invesco International Developed Dynamic Multifact..	29.44
DFF	WisdomTree Europe SmallCap Dividend Fund	31.15
HDEF	Xtrackers MSCI EAFE High Dividend Yield Equity ETF	31.27
DTH	WisdomTree International High Dividend Fund	31.34
FDD	First Trust Stoxx European Select Dividend Index Fu..	32.01
DWM	WisdomTree International Equity Fund	32.11
FEP	First Trust Europe AlphaDEX Fund	32.85
FYLD	Cambria Foreign Shareholder Yield ETF	33.27
DOL	WisdomTree International LargeCap Dividend Fund	33.34
DIM	WisdomTree International MidCap Dividend Fund	33.70

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Emerging (EEM)



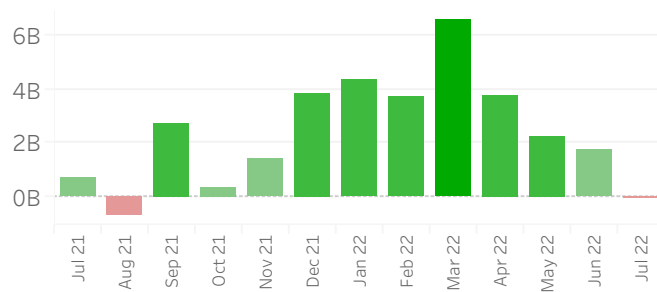
Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



Emerging Monthly Flows



Emerging 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
EWZS	iShares MSCI Brazil Small-Cap ETF	1.98%
EPOL	iShares MSCI Poland ETF	1.66%
FLBR	Franklin FTSE Brazil ETF	1.00%
PIE	Invesco DWA Emerging Markets Momentum ETF	0.90%
EWW	iShares MSCI Mexico ETF	0.90%
EWZ	iShares MSCI Brazil ETF	0.84%
QAT	iShares MSCI Qatar ETF	0.78%
FEM	First Trust Emerging Markets AlphaDEX Fund	0.71%
XCEM	Columbia EM Core ex-China ETF	0.68%
EDIV	SPDR S&P Emerging Markets Dividend ETF	0.66%

Emerging Most Overbought

Ticker	Fund	Value
CNYA	iShares MSCI China A ETF	61.03
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	59.70
KBA	KraneShares Bosera MSCI China A 50 Connect Index E..	59.63
RAYC	Rayliant Quantamental China Equity ETF	59.57
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	58.05
ECNS	iShares MSCI China Small-Cap ETF	57.55
FLCH	Franklin FTSE China ETF	57.24
PGJ	Invesco Golden Dragon China ETF	57.23
MCHI	iShares MSCI China ETF	57.18
FNI	First Trust Chindia ETF	57.14

Emerging 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
ECH	iShares MSCI Chile ETF	-2.27%
FXI	iShares China Large-Cap ETF	-1.32%
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	-1.30%
PGJ	Invesco Golden Dragon China ETF	-1.29%
RAYC	Rayliant Quantamental China Equity ETF	-1.12%
EZA	iShares MSCI South Africa ETF	-1.10%
ECNS	iShares MSCI China Small-Cap ETF	-1.01%
FLCH	Franklin FTSE China ETF	-0.97%
EPUP	iShares MSCI Peru ETF	-0.92%
MCHI	iShares MSCI China ETF	-0.89%

Emerging Most Oversold

Ticker	Fund	Value
DGS	WisdomTree Emerging Markets SmallCap Dividend F..	29.65
EELV	Invesco S&P Emerging Markets Low Volatility ETF	30.39
PIE	Invesco DWA Emerging Markets Momentum ETF	31.69
FEMS	First Trust Emerging Markets Small Cap AlphaDEX F..	32.05
EIDO	iShares MSCI Indonesia ETF	32.30
FM	iShares MSCI Frontier and Select EM ETF	33.26
DEM	WisdomTree Emerging Markets High Dividend Fund	33.26
EWM	iShares MSCI Malaysia ETF	33.29
EPUP	iShares MSCI Peru ETF	33.35
ECH	iShares MSCI Chile ETF	33.99

*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	-0.37%	-0.73%	-10.39%
SHY	1-3 Year Treasury Bonds	-0.12%	-0.39%	-3.17%
IEF	7-10 Year Treasury Bonds	-0.61%	-0.17%	-11.13%
TLT	20+ Year Treasury Bonds	-1.11%	-1.21%	-23.34%
TIP	TIPS Bonds	-0.11%	-2.95%	-8.91%
FLOT	Floating Rate Bonds	-0.12%	-0.74%	-1.40%
LQD	Investment Grade Corporate	-0.16%	-1.51%	-15.61%
HYG	High Yield Corporate	0.08%	-3.01%	-11.88%
BKLN	Senior Loan	0.49%	-2.76%	-5.44%
PFF	Preferred & Income Securities	0.36%	-2.78%	-13.67%
MUB	Municipal Bonds	-0.19%	-0.49%	-7.42%
MBB	MBS	-0.40%	-0.60%	-8.88%
EMB	Dollar Denominated EM Bonds	-0.47%	-4.99%	-20.60%
LEMB	Local Currency EM Bond	-0.21%	-4.38%	-14.89%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	1.12%	-16.49%	19.27%
DBE	Energy	1.56%	-16.09%	48.65%
USO	WTI Crude Oil	2.60%	-14.62%	44.48%
BNO	Brent Crude Oil	2.66%	-11.71%	53.23%
UNG	Natural Gas	-2.70%	-30.06%	64.69%
UGA	Gasoline	1.34%	-16.06%	61.01%
DBP	Precious Metals	0.16%	-7.60%	-8.43%
GLD	Gold	0.04%	-6.07%	-5.07%
SLV	Silver	0.23%	-12.58%	-17.29%
PPLT	abrdn Physical Platin..	2.07%	-11.56%	-7.74%
PALL	abrdn Physical Palla..	7.74%	11.16%	13.67%
DBB	Base Metals	-0.42%	-17.00%	-14.24%
CPER	Copper	-0.37%	-20.76%	-21.87%
LD	Lead	-0.45%	-14.20%	-15.98%
JJN	Nickel	-0.07%	-25.16%	4.93%
JJU	Aluminum	-1.33%	-13.63%	-13.49%
JJT	Tin	-2.59%	-30.45%	-32.48%
DBA	Agriculture	1.85%	-8.12%	3.19%
CORN	Corn	4.40%	-11.68%	16.85%
SOYB	Soybeans	2.68%	-10.48%	14.46%
WEAT	Wheat	6.77%	-17.34%	23.82%
CANE	Sugar	2.16%	-2.48%	2.72%
BAL	Cotton	2.70%	-19.88%	2.78%
NIB	Cocoa	-1.13%	-7.29%	-13.82%
JO	Coffee	2.09%	-4.24%	-1.03%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	-0.07%	4.23%	11.47%
UDN	Short Dollar	0.06%	-4.25%	-10.97%
FXE	Euro	0.10%	-5.07%	-11.02%
FXB	British Pound Sterling	0.03%	-4.10%	-11.18%
FXF	Swiss Franc	-0.23%	0.13%	-7.17%
FXJ	Japanese Yen	-0.05%	-1.35%	-15.62%
FXC	Canadian Dollar	0.15%	-3.13%	-2.60%
FXA	Australian Dollar	0.14%	-4.82%	-5.89%

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