

Large Cap Blend (S&P 500) IVV



Mid Cap Blend (S&P 400) IJH

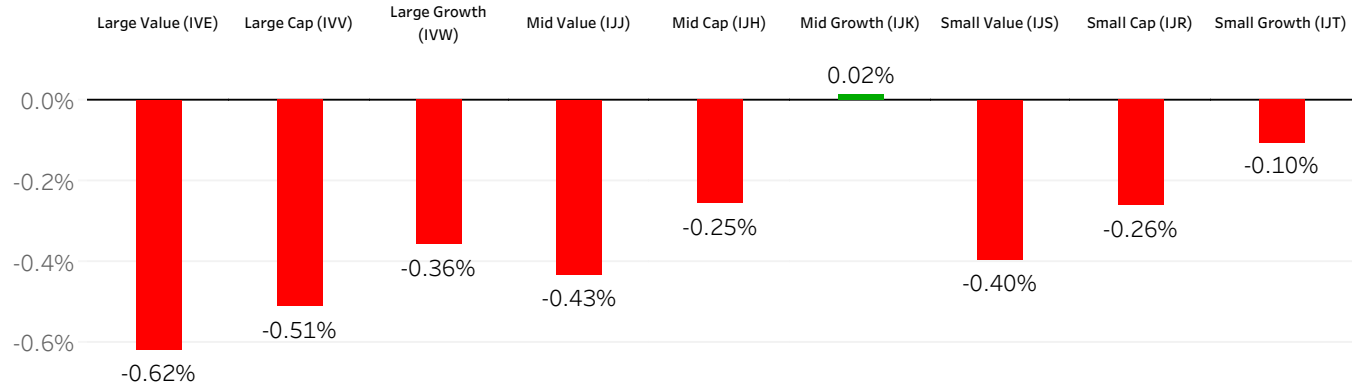


Small Cap Blend (S&P 600) IJR



■ 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
RPHS	Regents Park Hedged Market Strategy ETF	1.03%
QMOM	Alpha Architect U.S. Quantitative Momentum ETF	0.86%
DWAS	Invesco DWA SmallCap Momentum ETF	0.67%
QVAL	Alpha Architect U.S. Quantitative Value ETF	0.39%
CALF	Pacer US Small Cap Cash Cows 100 ETF	0.38%
RFG	Invesco S&P Midcap 400 Pure Growth ETF	0.31%
FNY	First Trust Mid Cap Growth AlphaDEX Fund	0.30%
USVM	VictoryShares USAA MSCI USA Small Cap Value Moment..	0.27%
SPC	CrossingBridge Pre-Merger SPAC ETF	0.24%
VTWG	Vanguard Russell 2000 Growth ETF	0.22%

Size & Style Most Overbought

Ticker	Fund	Price
SPC	CrossingBridge Pre-Merger SPAC ETF	67.39
SMMV	iShares MSCI USA Small-Cap Min Vol Factor ETF	49.67
RZG	Invesco S&P Smallcap 600 Pure Growth ETF	49.24
PABU	iShares Paris-Aligned Climate MSCI USA ETF	48.71
JSMD	Janus Henderson Small/Mid Cap Growth Alpha ETF	48.68
PTMC	Pacer Trendpilot US Mid Cap ETF	48.52
IPO	Renaissance IPO ETF	48.51
PTNQ	Pacer Trendpilot 100 ETF	48.48
VTWG	Vanguard Russell 2000 Growth ETF	48.28
IWO	iShares Russell 2000 Growth ETF	48.26

Size & Style 1-Day Performance Laggards

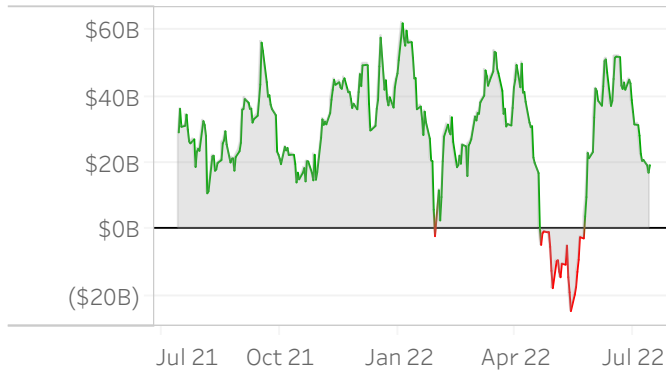
Ticker	Fund	1-Day Performance
BBSC	JPMorgan BetaBuilders U.S. Small Cap Equity ETF	-2.35%
SSPY	Syntax Stratified LargeCap ETF	-2.01%
CLRG	IQ Chaikin U.S. Large Cap ETF	-1.48%
RPV	Invesco S&P 500 Pure Value ETF	-0.96%
SPYD	SPDR Portfolio S&P 500 High Dividend ETF	-0.93%
DVY	iShares Select Dividend ETF	-0.91%
CGDV	Capital Group Dividend Value ETF	-0.90%
FDL	First Trust Morningstar Dividend Leaders Index Fund	-0.88%
SPDV	AAM S&P 500 High Dividend Value ETF	-0.88%
EQRR	ProShares Equities for Rising Rates ETF	-0.86%

Size & Style Most Oversold

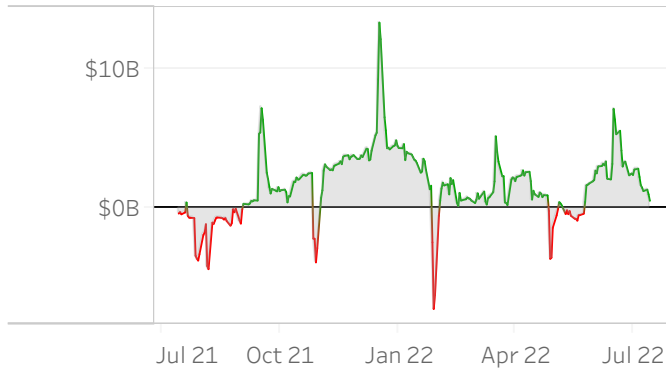
Ticker	Fund	Price
DEIF	Sterling Capital Diverse Multi-Manager Active ETF	31.27
LGH	HCM Defender 500 Index ETF	31.92
FFTY	Innovator IBD 50 ETF	33.56
EQRR	ProShares Equities for Rising Rates ETF	34.37
ONOF	Global X Adaptive U.S. Risk Management ETF	34.56
CSD	Invesco S&P Spin-Off ETF	35.46
CGDV	Capital Group Dividend Value ETF	35.55
WBIY	WBI Power Factor High Dividend ETF	36.03
FDL	First Trust Morningstar Dividend Leaders Index Fund	36.21
QQH	HCM Defender 100 Index ETF	36.32

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

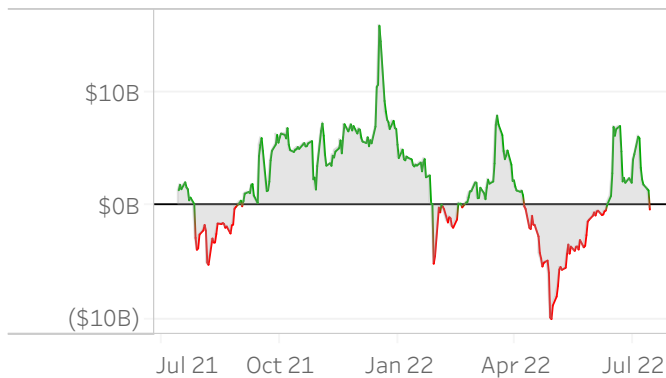
Large-Cap 30-Day Rolling Flows



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	\$1,154B	\$2.45B	\$18.36B	\$33.65B	\$123.41B
Large Cap, Beta Growth, Beta: Growth	10	\$212B	\$0.32B	\$4.89B	\$7.96B	\$16.12B
Large Cap, Beta Growth, Beta: Value	11	\$208B	\$0.12B	\$4.73B	\$15.80B	\$28.04B
Mid Cap, Beta, Beta	10	\$164B	\$0.24B	\$2.86B	\$4.88B	\$11.76B
Mid Cap, Beta, Beta: Growth	6	\$30B	(\$0.03B)	\$0.21B	(\$0.27B)	\$0.50B
Mid Cap, Beta, Beta: Value	6	\$37B	(\$0.19B)	(\$0.21B)	(\$0.12B)	\$0.70B
Small Cap, Beta, Beta	13	\$176B	(\$1.43B)	(\$4.21B)	(\$4.25B)	\$6.96B
Small Cap, Beta, Beta: Growth	7	\$29B	(\$0.33B)	\$0.62B	\$0.72B	\$1.43B
Small Cap, Beta, Beta: Value	7	\$47B	(\$0.32B)	\$0.00B	(\$2.60B)	(\$1.69B)

U.S. Size & Style Flow Leaders

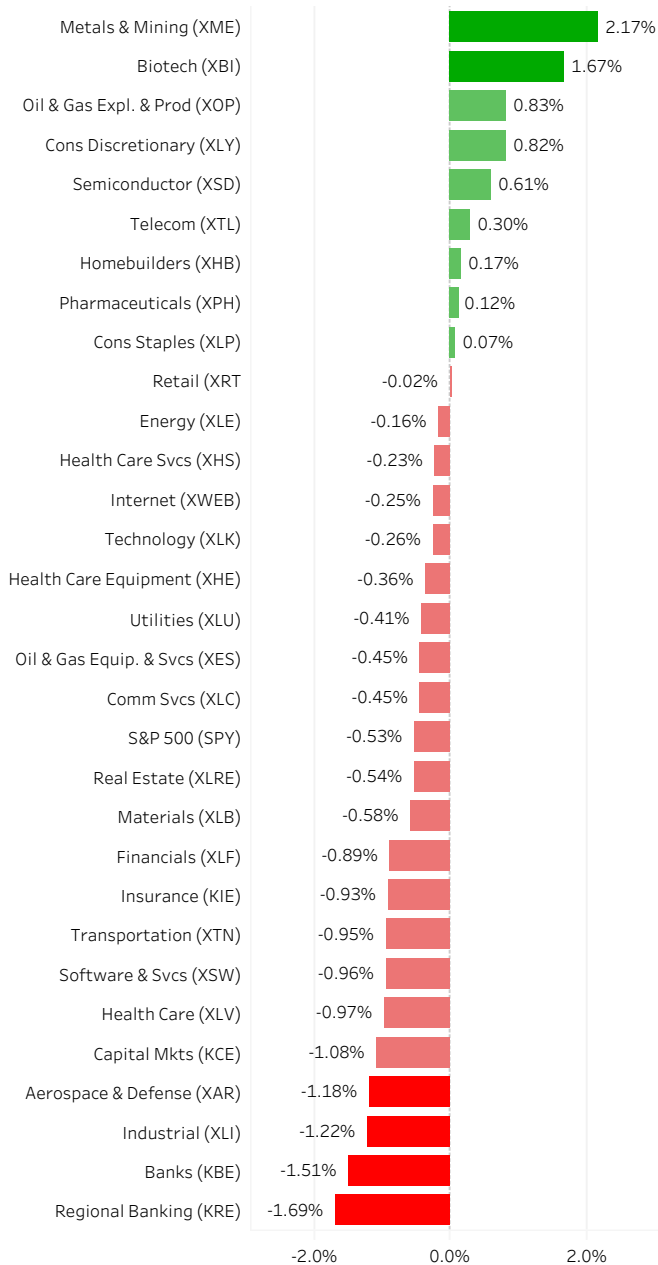
Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
QQQ	Invesco QQQ Trust	\$2.66B	\$5.58B	\$5.30B	\$19.46B	\$158.90B
IVV	iShares Core S&P 500 ETF	\$0.77B	\$5.12B	\$15.20B	\$30.75B	\$282.34B
VOO	Vanguard S&P 500 ETF	\$0.73B	\$3.99B	\$28.33B	\$45.10B	\$248.67B
VTI	Vanguard Total Stock Market ETF	\$0.37B	\$4.33B	\$11.75B	\$36.32B	\$247.81B
VTV	Vanguard Value ETF	\$0.19B	\$3.56B	\$11.91B	\$18.15B	\$94.93B
VTWO	Vanguard Russell 2000 ETF	\$0.18B	(\$0.87B)	(\$0.29B)	\$0.97B	\$5.21B
VIOO	Vanguard S&P Small-Cap 600 ETF	\$0.17B	\$0.04B	\$0.16B	\$0.36B	\$1.79B
VUG	Vanguard Growth ETF	\$0.17B	\$2.61B	\$5.08B	\$6.87B	\$68.76B
IJH	iShares Core S&P Mid-Cap ETF	\$0.14B	\$0.93B	\$1.51B	\$3.43B	\$56.72B
SCHD	Schwab US Dividend Equity ETF	\$0.13B	\$3.22B	\$6.85B	\$10.80B	\$34.89B

U.S. Size & Style Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
SPY	SPDR S&P 500 ETF Trust	(\$1.89B)	\$2.18B	(\$20.35B)	\$13.67B	\$346.04B
IWM	iShares Russell 2000 ETF	(\$1.16B)	(\$0.46B)	(\$2.55B)	(\$1.64B)	\$49.98B
VB	Vanguard Small-Cap ETF	(\$0.68B)	(\$0.93B)	(\$0.92B)	\$2.04B	\$38.78B
VBK	Vanguard Small-Cap Growth ETF	(\$0.27B)	\$0.03B	\$0.07B	\$0.65B	\$11.69B
VBR	Vanguard Small Cap Value ETF	(\$0.21B)	(\$0.63B)	(\$1.03B)	\$0.54B	\$21.86B
IJS	iShares S&P Small-Cap 600 Value ETF	(\$0.13B)	\$1.30B	\$0.51B	\$0.13B	\$7.99B
DIA	SPDR Dow Jones Industrial Average ETF Trust	(\$0.12B)	(\$0.18B)	\$0.00B	(\$0.69B)	\$26.54B
IJJ	iShares S&P Mid-Cap 400 Value ETF	(\$0.12B)	(\$0.24B)	(\$0.89B)	(\$1.27B)	\$6.72B
MDY	SPDR S&P Midcap 400 ETF Trust	(\$0.09B)	(\$0.20B)	(\$0.87B)	(\$1.54B)	\$16.79B
SMDV	ProShares Russell 2000 Dividend Growers ETF	(\$0.09B)	(\$0.08B)	(\$0.05B)	(\$0.08B)	\$0.72B

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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)
XLU	Utilities Select Sector SPDR Fund	-9.52%	9.55%	-1.79%	-0.30%	48.06
XLP	Consumer Staples Select Sector SPDR Fund	-9.84%	5.58%	-0.56%	-2.28%	51.04
XLV	Health Care Select Sector SPDR Fund	-10.73%	6.35%	-0.55%	-3.48%	47.37
XLI	Industrial Select Sector SPDR Fund	-19.73%	0.50%	-5.15%	-13.46%	38.30
XLB	Materials Select Sector SPDR Fund	-20.25%	0.00%	-9.54%	-14.69%	32.29
SPY	SPDR S&P 500 ETF Trust	-20.70%	3.55%	-3.42%	-13.07%	42.94
XLRE	Real Estate Select Sector SPDR Fund	-21.35%	4.89%	-3.01%	-12.05%	42.86
XLF	Financial Select Sector SPDR Fund	-24.34%	1.62%	-5.06%	-16.17%	39.10
XLE	Energy Select Sector SPDR Fund	-25.46%	50.23%	-13.66%	-0.22%	35.25
XLK	Technology Select Sector SPDR Fund	-27.03%	4.39%	-3.08%	-15.62%	45.45
XLY	Consumer Discretionary Select Sector SPDR Fund	-32.52%	5.96%	-2.07%	-20.07%	48.05
XLC	Communication Services Select Sector SPDR Fund	-36.42%	3.07%	-4.18%	-20.82%	43.07

Sector & Industry 1 Day Performance Leaders

Ticker	Fund	1 Day Performance
XME	SPDR S&P Metals & Mining ETF	2.17%
XBI	SPDR S&P BIOTECH ETF	1.67%
PXI	Invesco DWA Energy Momentum ETF	1.67%
FCG	First Trust Natural Gas ETF	1.39%
MORT	VanEck Mortgage REIT Income ETF	1.30%
AMPL	Alerian MLP ETF	1.28%
AMZA	InfraCap MLP ETF	1.13%
REM	iShares Mortgage Real Estate ETF	1.00%
FXN	First Trust Energy AlphaDEX Fund	0.98%
XOP	SPDR S&P Oil & Gas Exploration & Production ETF	0.83%

Sector & Industry Most Overbought

Ticker	Fund	RSI (14D)
XBI	SPDR S&P BIOTECH ETF	64.57
IBB	iShares Biotechnology ETF	60.39
ITB	iShares U.S. Home Construction ETF	60.22
PBE	Invesco Dynamic Biotechnology & Genome ETF	60.08
PTH	Invesco DWA Healthcare Momentum ETF	57.99
XHS	SPDR S&P Health Care Services ETF	57.22
PSCH	Invesco S&P SmallCap Health Care ETF	56.32
FBT	First Trust NYSE Arca Biotechnology Index Fund	56.01
RHS	Invesco S&P 500 Equal Weight Consumer Staples ETF	55.97
XHB	SPDR S&P Homebuilders ETF	55.85

Sector & Industry 1 Day Performance Laggards

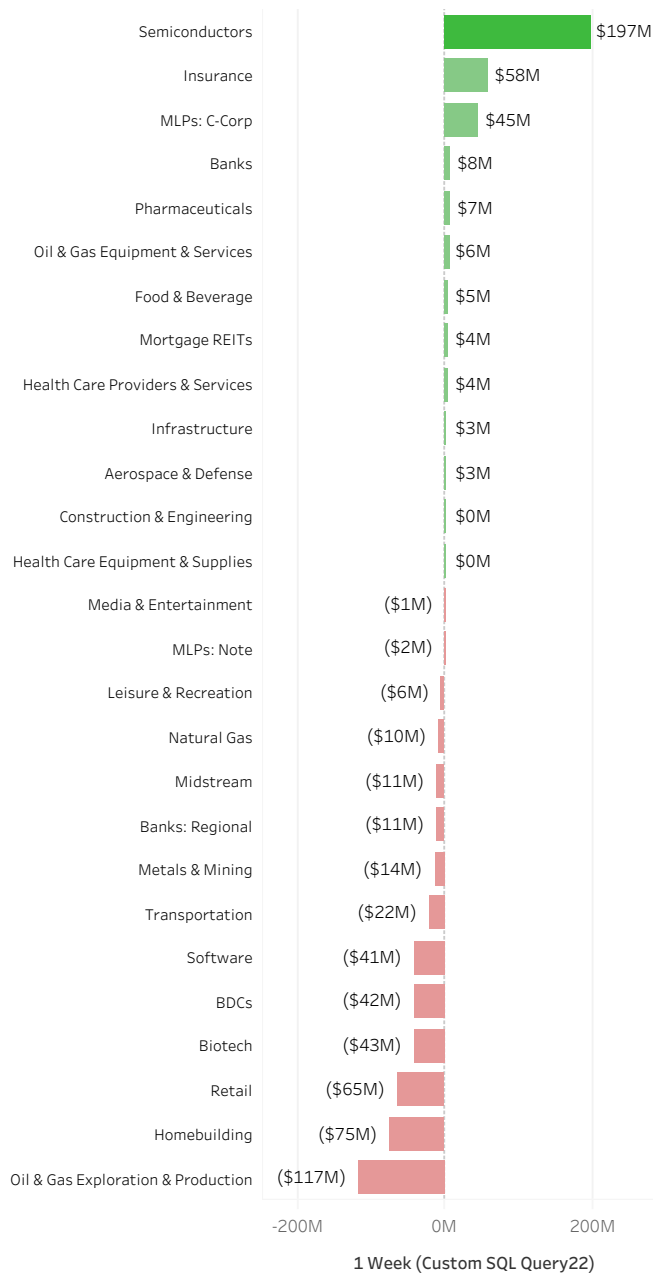
Ticker	Fund	1 Day Performance
KBWB	Invesco KBW Bank ETF	-1.70%
KRE	SPDR S&P Regional Banking ETF	-1.69%
KBWR	Invesco KBW Regional Banking ETF	-1.68%
IAT	iShares U.S. Regional Banks ETF	-1.65%
QABA	First Trust NASDAQ ABA Community Bank Index Fund	-1.58%
ITA	iShares U.S. Aerospace & Defense ETF	-1.52%
KBE	SPDR S&P Bank ETF	-1.51%
IHF	iShares U.S. Healthcare Providers ETF	-1.41%
FTXO	First Trust Nasdaq Bank ETF	-1.37%
XLI	Industrial Select Sector SPDR Fund	-1.22%

Sector & Industry Most Oversold

Ticker	Fund	RSI (14D)
IYM	iShares U.S. Basic Materials ETF	30.52
XES	SPDR S&P Oil & Gas Equipment & Services ETF	31.92
IEZ	iShares U.S. Oil Equipment & Services ETF	32.18
XLB	Materials Select Sector SPDR Fund	32.29
FXZ	First Trust Materials AlphaDEX Fund	32.72
VAW	Vanguard Materials ETF	33.57
FMAT	Fidelity MSCI Materials Index ETF	33.84
PYZ	Invesco DWA Basic Materials Momentum ETF	34.02
RTM	Invesco S&P 500 Equal Weight Materials ETF	34.77
RYE	Invesco S&P 500 Equal Weight Energy ETF	35.20

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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	\$13B	\$32M	(\$90M)	(\$608M)	(\$222M)
Consumer Discretionary	13	\$21B	(\$461M)	(\$2,885M)	(\$5,578M)	(\$5,326M)
Consumer Staples	12	\$27B	(\$15M)	\$1,545M	\$4,479M	\$7,054M
Energy	34	\$66B	(\$83M)	(\$3,465M)	(\$2,020M)	\$1,172M
Financials	28	\$55B	(\$395M)	(\$11,261M)	(\$16,930M)	(\$9,758M)
Health Care	26	\$90B	\$217M	\$3,497M	\$7,065M	\$13,142M
Industrial	14	\$27B	(\$47M)	(\$2,354M)	(\$3,601M)	(\$5,651M)
Materials	10	\$14B	(\$188M)	(\$1,713M)	\$7M	(\$1,670M)
Multi-Sector	19	\$14B	(\$84M)	(\$389M)	(\$5,177M)	(\$3,123M)
Real Estate	24	\$66B	(\$76M)	(\$2,253M)	(\$5,043M)	\$3,438M
Technology	24	\$114B	\$32M	(\$1,320M)	(\$1,690M)	\$5,317M
Utilities	10	\$25B	\$303M	\$2,541M	\$4,536M	\$5,492M

U.S. Sector & Industry Flow Leaders

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLV	Health Care Select Sector SPDR Fund	\$228M	\$2,226M	\$4,640M	\$8,018M	\$38,085M
SOXX	iShares Semiconductor ETF	\$193M	(\$398M)	(\$93M)	\$1,470M	\$6,404M
FUTY	Fidelity MSCI Utilities Index ETF	\$139M	\$606M	\$751M	\$786M	\$1,905M
XLU	Utilities Select Sector SPDR Fund	\$136M	\$2,001M	\$3,071M	\$3,627M	\$16,061M
XLE	Energy Select Sector SPDR Fund	\$129M	(\$1,350M)	(\$2,353M)	(\$567M)	\$31,959M
VDC	Vanguard Consumer Staples ETF	\$122M	\$22M	\$246M	\$855M	\$6,504M
VGT	Vanguard Information Technology ETF	\$119M	\$231M	\$317M	\$1,973M	\$41,298M
XLC	Communication Services Select Sector SPDR Fu..	\$66M	\$304M	(\$222M)	\$79M	\$9,498M
XLRE	Real Estate Select Sector SPDR Fund	\$62M	\$378M	\$42M	\$2,269M	\$5,250M
KIE	SPDR S&P Insurance ETF	\$55M	\$190M	\$231M	(\$47M)	\$625M

U.S. Sector & Industry Flow Laggards

Ticker	Fund	1 Week	3 Month	6 Month	1 Year	AUM
XLY	Consumer Discretionary Select Sector SPDR Fu..	(\$350M)	(\$1,147M)	(\$2,761M)	(\$1,678M)	\$13,858M
XLF	Financial Select Sector SPDR Fund	(\$254M)	(\$6,974M)	(\$10,239M)	(\$5,764M)	\$28,677M
XLK	Technology Select Sector SPDR Fund	(\$227M)	(\$537M)	(\$283M)	\$1,899M	\$38,461M
VFH	Vanguard Financials ETF	(\$152M)	(\$1,363M)	(\$1,359M)	(\$644M)	\$8,434M
XLP	Consumer Staples Select Sector SPDR Fund	(\$143M)	(\$102M)	\$1,939M	\$3,798M	\$15,168M
BBRE	JPMorgan BetaBuilders MSCI U.S. REIT ETF	(\$131M)	(\$124M)	(\$264M)	(\$337M)	\$977M
XOP	SPDR S&P Oil & Gas Exploration & Production E..	(\$112M)	(\$874M)	(\$704M)	(\$828M)	\$3,980M
VAW	Vanguard Materials ETF	(\$87M)	(\$508M)	(\$545M)	(\$400M)	\$2,910M
VDE	Vanguard Energy ETF	(\$68M)	(\$465M)	(\$736M)	(\$248M)	\$6,769M
XRT	SPDR S&P Retail ETF	(\$65M)	\$120M	\$136M	(\$549M)	\$383M

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Communication Services



Consumer Discretionary



Consumer Staples



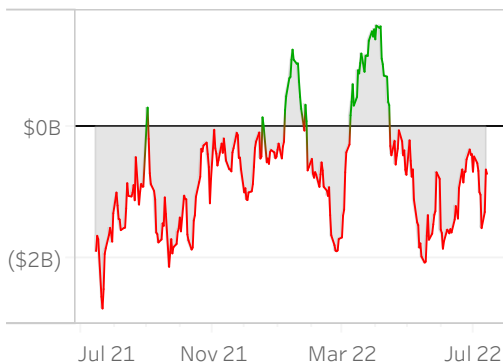
Energy



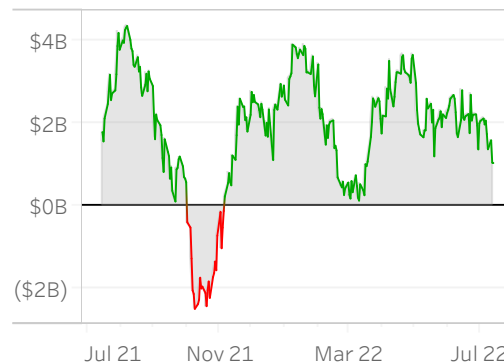
Financials



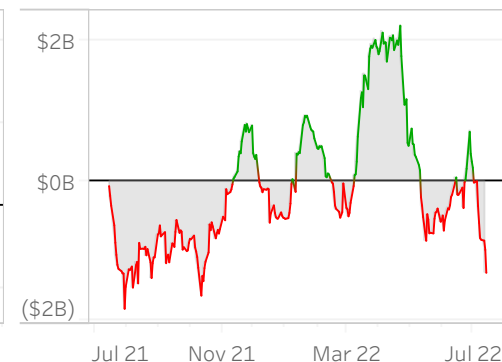
Industrial



Health Care



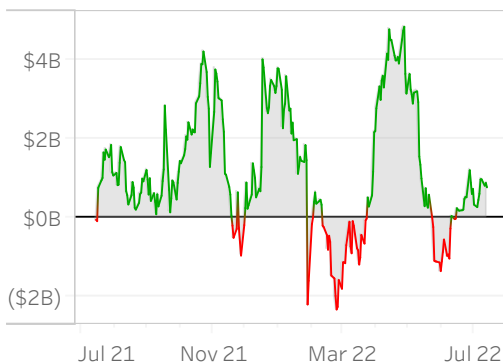
Materials



Real Estate



Technology



Utilities

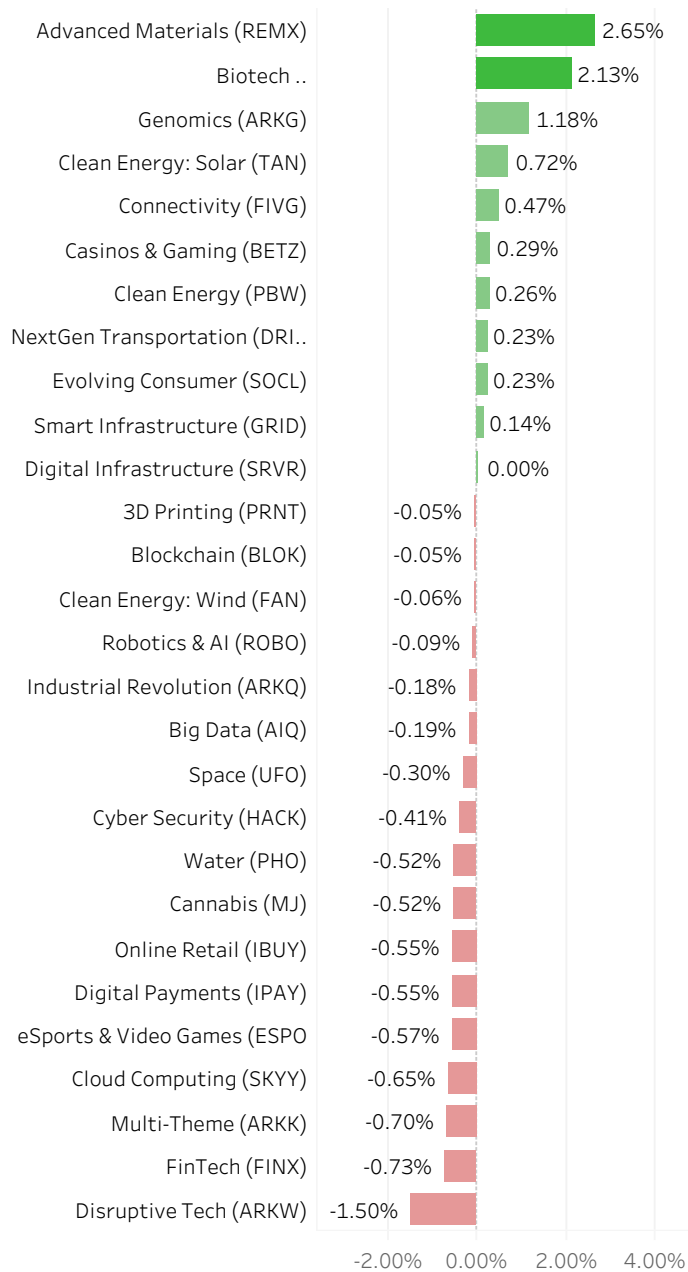


Multi-Sector

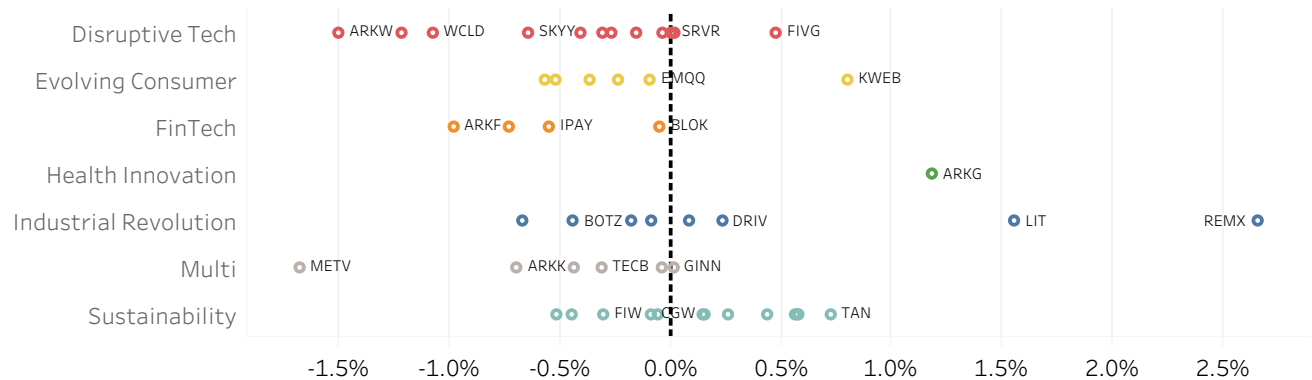


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Global Thematic Segment 1-Day Performance



Global Thematic 1-Day Performance Landscape



Global Thematic 1-Day Performance Leaders

Ticker	Fund	Performance
REMX	VanEck Rare Earth/Strategic Metals ETF	2.65%
SBIO	ALPS Medical Breakthroughs ETF	2.13%
GNOM	Global X Genomics & Biotechnology ETF	2.11%
IDNA	iShares Genomics Immunology and Healthcare ETF Geno..	1.82%
KGRN	KraneShares MSCI China Clean Technology Index ETF	1.76%
BATT	Amplify Lithium & Battery Technology ETF	1.59%
LIT	Global X Lithium & Battery Tech ETF	1.55%
KARS	KraneShares Electric Vehicles & Future Mobility Index ETF	1.45%
RNRG	Global X Funds Global X Renewable Energy Producers ETF	1.34%
CTEC	Global X CleanTech ETF	1.33%

Thematic Most Overbought

Ticker	Fund	Price
GNOM	Global X Genomics & Biotechnology ETF	65.59
IDNA	iShares Genomics Immunology and Healthcare ETF Genom..	65.06
SBIO	ALPS Medical Breakthroughs ETF	64.47
ARKG	ARK Genomic Revolution ETF	60.97
BTEC	Principal Healthcare Innovators ETF	60.08
HTEC	ROBO Global Healthcare Technology and Innovation ETF	54.23
GDOC	Goldman Sachs Future Health Care Equity ETF	52.97
KGRN	KraneShares MSCI China Clean Technology Index ETF	51.87
IZRL	ARK Israel Innovative Technology ETF	51.84
ARKK	ARK Innovation ETF	51.69

Global Thematic 1-Day Performance Laggards

Ticker	Fund	Performance
MOON	Direxion Moonshot Innovators ETF	-1.91%
METV	Roundhill Ball Metaverse ETF	-1.68%
ARKW	ARK Next Generation Internet ETF	-1.50%
CLOU	Global X Cloud Computing ETF	-1.22%
WCLD	WisdomTree Cloud Computing Fund	-1.08%
ARKF	ARK Fintech Innovation ETF	-0.98%
EDOC	Global X Telemedicine & Digital Health ETF Registered	-0.83%
GTEK	Goldman Sachs Future Tech Leaders Equity ETF	-0.74%
FINX	Global X FinTech ETF	-0.73%
PAWZ	ProShares Pet Care ETF	-0.71%

Thematic Most Oversold

Ticker	Fund	Price
YOLO	AdvisorShares Pure Cannabis ETF	34.24
AWAY	ETFMG Travel Tech ETF	34.43
LEGR	First Trust Indxx Innovative Transaction & Process ETF	35.40
MJ	ETFMG Alternative Harvest ETF	35.47
BETZ	Roundhill Sports Betting & iGaming ETF	36.39
BOTZ	Global X Robotics & Artificial Intelligence ETF	36.41
BLCN	Siren ETF Trust Siren Nasdaq NexGen Economy ETF	36.71
MSOS	AdvisorShares Pure US Cannabis ETF	37.16
REMX	VanEck Rare Earth/Strategic Metals ETF	37.28
NXTG	First Trust Indxx NextG ETF	37.59

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Thematic 1 Week Flow Leaders

Ticker	Fund	
TAN	Invesco Solar ETF	\$118M
ARKG	ARK Genomic Revolution ETF	\$96M
GNOM	Global X Genomics & Biotechnology ETF	\$14M
ARKW	ARK Next Generation Internet ETF	\$11M
EBLU	Ecofin Global Water ESG Fund	\$9M
MOON	Direxion Moonshot Innovators ETF	\$8M
PBW	Invesco WilderHill Clean Energy ETF	\$7M
KWEB	KraneShares CSI China Internet ETF	\$6M
KOMP	SPDR S&P Kensho New Economies Composite ETF	\$5M
LIT	Global X Lithium & Battery Tech ETF	\$4M

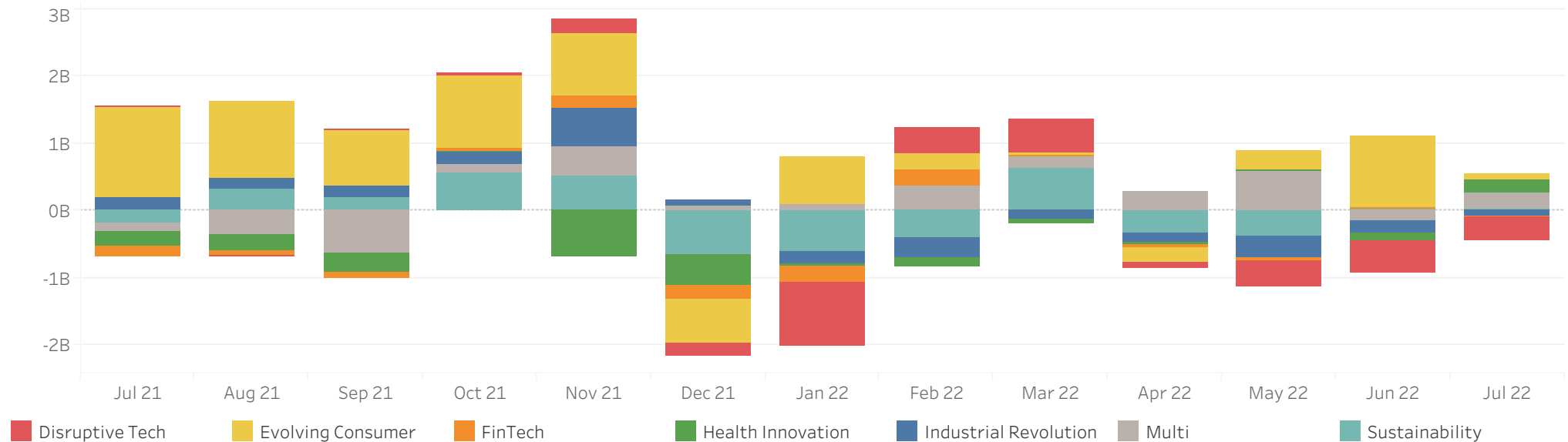
Thematic 1 Week Flow Laggards

Ticker	Fund	
SKYY	First Trust Cloud Computing ETF	(\$160M)
CIBR	First Trust NASDAQ Cybersecurity ETF	(\$75M)
ARKK	ARK Innovation ETF	(\$38M)
ONLN	ProShares Online Retail ETF	(\$27M)
CLOU	Global X Cloud Computing ETF	(\$17M)
SRVR	Pacer Benchmark Data & Infrastructure Real Estate SCTR ETF	(\$16M)
DRIV	Global X Autonomous & Electric Vehicles ETF	(\$12M)
XITK	SPDR FactSet Innovative Technology ETF	(\$8M)
GXTG	Global X Thematic Growth ETF	(\$8M)
SMOG	VanEck Low Carbon Energy ETF	(\$6M)

Thematic Landscape Assets & Flows

Segment	Funds	AUM	1 Week	3 Month	6 Month	1 Year
Disruptive Tech	36	\$18B	(\$253M)	(\$1,162M)	(\$855M)	(\$1,249M)
Evolving Consumer	48	\$12B	(\$46M)	\$1,132M	\$1,424M	\$6,880M
FinTech	24	\$3B	\$1M	(\$105M)	\$76M	(\$370M)
Health Innovation	19	\$4B	\$72M	\$42M	(\$205M)	(\$2,028M)
Industrial Revolution	32	\$11B	(\$29M)	(\$695M)	(\$1,371M)	(\$17M)
Multi	42	\$16B	(\$154M)	\$955M	\$2,073M	\$1,101M
Sustainability	42	\$17B	\$123M	(\$618M)	(\$703M)	(\$237M)
Grand Total	243	\$81B	(\$285M)	(\$451M)	\$439M	\$4,080M

Thematic Monthly Flows

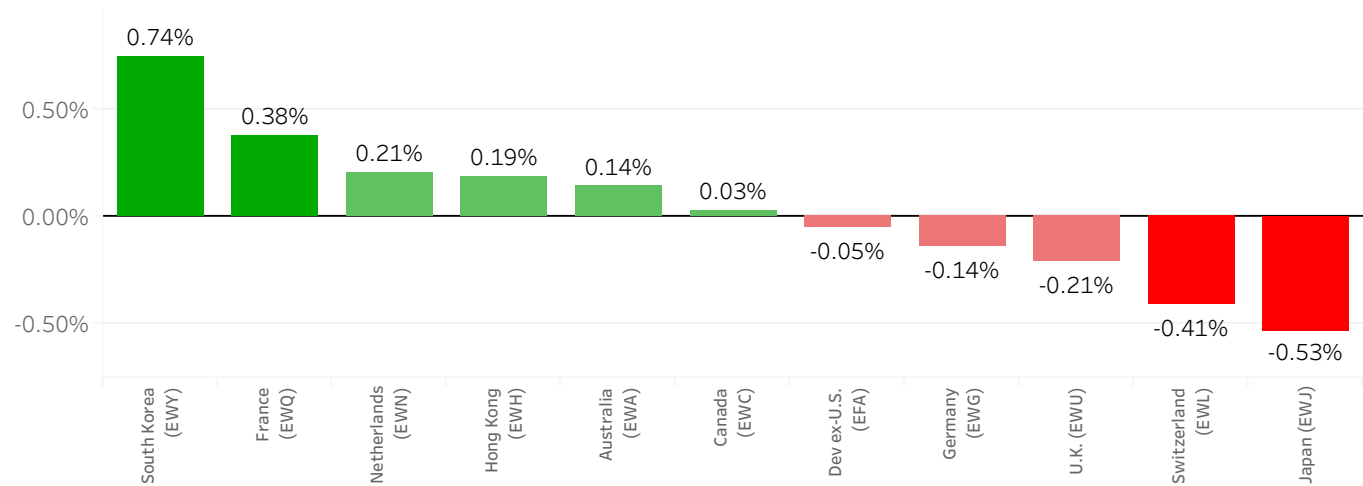


* ETF Landscape represented using the ETF Action classification system**Leaders/Laggards/Overbought/Oversold ETFs must have \$50 million to qualify ***Flows delayed one day

Developed ex-U.S. (EFA)



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



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



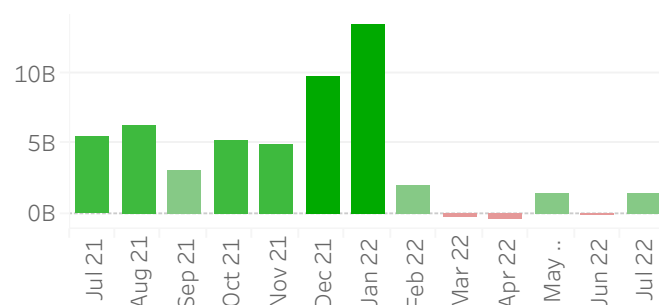
Developed ex-U.S. 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
CIL	VictoryShares International Volatility Wtd ETF	1.41%
GREK	Global X MSCI Greece ETF	1.23%
ENZL	iShares MSCI New Zealand ETF	0.94%
ISRA	VanEck Israel ETF	0.88%
EWY	iShares MSCI South Korea ETF	0.74%
ISDX	Invesco RAFI Strategic Developed ex-US ETF	0.74%
EWO	iShares MSCI Austria ETF	0.64%
EDEN	iShares MSCI Denmark ETF	0.59%
IMOM	Alpha Architect International Quantitative Momentum ETF	0.55%
TTAI	FCF International Quality ETF	0.49%

Developed ex-U.S. Most Overbought

Ticker	Fund	Price
DBJP	Xtrackers MSCI Japan Hedged Equity ETF	49.90
HEWJ	iShares Currency Hedged MSCI Japan ETF	48.83
ENZL	iShares MSCI New Zealand ETF	47.52
ISRA	VanEck Israel ETF	47.14
EWH	iShares MSCI Hong Kong ETF	46.81
DXJ	WisdomTree Japan Hedged Equity Fund	46.42
EIS	iShares MSCI Israel ETF	46.17
PTIN	Pacer Trendpilot International ETF	45.09
JIRE	JPMorgan International Research Enhanced Equity ETF	44.42
EFAD	ProShares MSCI EAFE Dividend Growers ETF	44.21

Developed ex-U.S. Monthly Flows



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

Ticker	Fund	1-Day Performance
IMFL	Invesco International Developed Dynamic Multifactor ETF	-0.90%
EWS	iShares MSCI Singapore ETF	-0.79%
EWD	iShares MSCI Sweden ETF	-0.68%
FKU	First Trust United Kingdom AlphaDEX Fund	-0.67%
PBDM	Invesco PureBeta FTSE Developed ex-North America ETF	-0.62%
JPXN	iShares JPX-Nikkei 400 ETF	-0.59%
LVHI	Franklin International Low Volatility High Dividend Index ..	-0.54%
EWJ	iShares MSCI Japan ETF	-0.53%
BBJP	JPMorgan BetaBuilders Japan ETF	-0.48%
FLJP	Franklin FTSE Japan ETF	-0.47%

Developed ex-U.S. Most Oversold

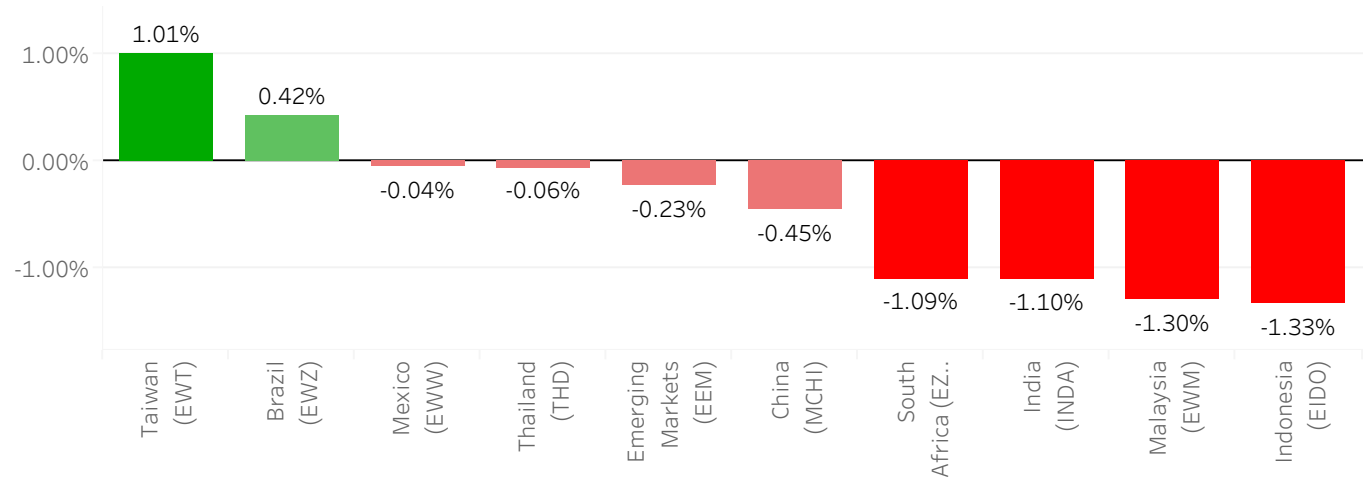
Ticker	Fund	Price
IMFL	Invesco International Developed Dynamic Multifactor..	26.96
HDEF	Xtrackers MSCI EAFE High Dividend Yield Equity ETF	27.47
DWM	WisdomTree International Equity Fund	28.03
DTH	WisdomTree International High Dividend Fund	28.27
FYLD	Cambria Foreign Shareholder Yield ETF	28.81
DOL	WisdomTree International LargeCap Dividend Fund	28.87
DPE	WisdomTree Europe SmallCap Dividend Fund	29.22
FEP	First Trust Europe AlphaDEX Fund	29.80
EWG	iShares MSCI Germany ETF	29.90
FIDI	Fidelity International High Dividend ETF	30.06

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

Emerging (EEM)



Emerging 1-Day Performance Top 10 Countries



Emerging 30-Day Rolling Flows



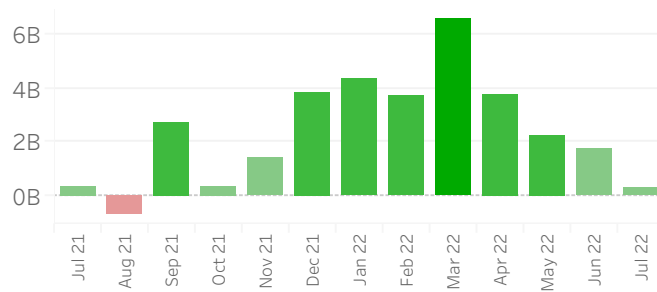
Emerging 1-Day Performance Leaders

Ticker	Fund	1-Day Performance
ECH	iShares MSCI Chile ETF	1.65%
PGJ	Invesco Golden Dragon China ETF	1.44%
EWT	iShares MSCI Taiwan ETF	1.01%
KBA	KraneShares Boser MSCI China A 50 Connect Index ETF	0.77%
EYLD	Cambria Emerging Shareholder Yield ETF	0.69%
FLBR	Franklin FTSE Brazil ETF	0.58%
FNI	First Trust Chindia ETF	0.58%
ADRE	Invesco BLDRS Emerging Markets 50 ADR Index Fund	0.55%
ILF	iShares Latin America 40 ETF	0.46%
EWZ	iShares MSCI Brazil ETF	0.42%

Emerging Most Overbought

Ticker	Fund	Value
SMIN	iShares MSCI India Small Cap ETF	50.75
PGJ	Invesco Golden Dragon China ETF	48.79
KBA	KraneShares Boser MSCI China A 50 Connect Index E..	48.78
ASHR	Xtrackers Harvest CSI 300 China A-Shares ETF	47.52
FNI	First Trust Chindia ETF	47.45
CNYA	iShares MSCI China A ETF	47.33
PIN	Invesco India ETF	45.81
CXSE	WisdomTree China ex-State-Owned Enterprises Fund	45.57
RAYC	Rayliant Quantamental China Equity ETF	44.96
FLIN	Franklin FTSE India ETF	43.92

Emerging Monthly Flows



Emerging 1-Day Performance Laggards

Ticker	Fund	1-Day Performance
EPHE	iShares MSCI Philippines ETF	-2.01%
QAT	iShares MSCI Qatar ETF	-1.81%
EIDO	iShares MSCI Indonesia ETF	-1.33%
EWM	iShares MSCI Malaysia ETF	-1.30%
INDY	iShares India 50 ETF	-1.23%
FLIN	Franklin FTSE India ETF	-1.11%
INDA	iShares MSCI India ETF	-1.10%
EZA	iShares MSCI South Africa ETF	-1.09%
ECNS	iShares MSCI China Small-Cap ETF	-0.93%
KSA	iShares MSCI Saudi Arabia ETF	-0.88%

Emerging Most Oversold

Ticker	Fund	Value
DGS	WisdomTree Emerging Markets SmallCap Dividend F..	24.77
EELV	Invesco S&P Emerging Markets Low Volatility ETF	25.31
FEMS	First Trust Emerging Markets Small Cap AlphaDEX F..	26.35
DEM	WisdomTree Emerging Markets High Dividend Fund	27.06
PIE	Invesco DWA Emerging Markets Momentum ETF	28.46
EWM	iShares MSCI Malaysia ETF	28.56
EPU	iShares MSCI Peru ETF	28.61
EPHE	iShares MSCI Philippines ETF	28.64
QAT	iShares MSCI Qatar ETF	28.73
DVYE	iShares Emerging Markets Dividend ETF	28.96

*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	0.36%	2.81%	-9.52%
SHY	1-3 Year Treasury Bonds	-0.11%	0.59%	-3.19%
IEF	7-10 Year Treasury Bonds	0.43%	4.23%	-9.83%
TLT	20+ Year Treasury Bonds	1.15%	5.87%	-20.66%
TIP	TIPS Bonds	0.52%	-0.19%	-8.32%
FLOT	Floating Rate Bonds	0.30%	0.26%	-1.08%
LQD	Investment Grade Corporate	0.75%	3.68%	-14.61%
HYG	High Yield Corporate	-0.11%	2.63%	-12.11%
BKLN	Senior Loan	0.44%	1.51%	-5.49%
PFF	Preferred & Income Securities	0.09%	3.43%	-13.98%
MUB	Municipal Bonds	0.11%	2.11%	-6.92%
MBB	MBS	0.31%	3.46%	-8.08%
EMB	Dollar Denominated EM Bonds	-0.41%	-1.44%	-21.81%
LEMB	Local Currency EM Bond	0.15%	-2.66%	-15.96%

Commodities Performance

Ticker	Name	1 Day	1 Month	YTD
DJP	Broad Commodities	1.34%	-16.43%	16.10%
DBE	Energy	0.41%	-18.40%	42.51%
USO	WTI Crude Oil	0.52%	-19.00%	34.64%
BNO	Brent Crude Oil	0.07%	-16.82%	42.18%
UNG	Natural Gas	5.75%	-23.73%	79.58%
UGA	Gasoline	-1.01%	-17.35%	50.71%
DBP	Precious Metals	0.64%	-5.88%	-8.92%
GLD	Gold	0.48%	-4.90%	-5.47%
SLV	Silver	1.43%	-9.28%	-17.76%
PPLT	abrdn Physical Platin..	1.17%	-8.66%	-11.88%
PALL	abrdn Physical Palla..	-2.39%	10.51%	4.27%
DBB	Base Metals	-0.28%	-17.27%	-19.32%
CPER	Copper	2.09%	-21.13%	-26.35%
LD	Lead	0.09%	-8.83%	-13.52%
JJN	Nickel	-2.40%	-18.45%	1.41%
JJU	Aluminum	-0.47%	-10.70%	-16.98%
JJT	Tin	2.67%	-17.96%	-31.28%
DBA	Agriculture	0.36%	-9.19%	0.05%
CORN	Corn	1.73%	-15.99%	11.75%
SOYB	Soybeans	0.55%	-11.13%	10.59%
WEAT	Wheat	0.00%	-24.00%	12.72%
CANE	Sugar	1.62%	-0.84%	2.39%
BAL	Cotton	-0.99%	-26.40%	-2.44%
NIB	Cocoa	-2.16%	-2.59%	-14.45%
JO	Coffee	-0.26%	-8.43%	-8.84%

Currencies Performance

Ticker	Name	1 Day	1 Month	YTD
UUP	Long Dollar	-0.21%	2.60%	12.49%
UDN	Short Dollar	0.22%	-2.57%	-11.86%
FXE	Euro	0.24%	-3.47%	-12.07%
FXB	British Pound Sterling	0.05%	-1.87%	-12.16%
FXF	Swiss Franc	0.32%	1.89%	-7.38%
FXJ	Japanese Yen	-0.39%	-2.21%	-16.38%
FXC	Canadian Dollar	0.24%	-0.65%	-2.81%
FXA	Australian Dollar	0.00%	-2.41%	-7.13%

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