

TABLE 2

Bottom 50 ETF Performers for 2022

Data as of December 31, 2022

Category	Ticker	ETF	Total Return (%)					Annual Return (%)			Total Risk Index	Yield (%)	Exp Ratio (%)	Port Turn-over (%)	Total Assets (\$ Mil)
			2022	2021	2020	2019	2018	3-Yr	5-Yr	10-Yr	(X)	(%)	(%)	(%)	(%)
Misc Region	RSX	VanEck Russia ETF	(98.6)	18.9	(1.3)	40.4	(6.6)	(74.7)	(53.7)	(33.1)	4.18	0.0	0.70	20	35
Digital Assets	BKCH	Global X Blockchain ETF	(85.2)	—	—	—	—	—	—	—	—	1.3	0.50	—	35
Digital Assets	BITQ	Bitwise Crypto Industry Innovators ETF	(83.8)	—	—	—	—	—	—	—	—	0.0	0.85	—	34
Misc Sector	MSOS	AdvisorShares Pure US Cannabis ETF	(72.3)	(29.5)	—	—	—	—	—	—	—	0.0	0.80	—	446
Misc Sector	YOLO	AdvisorShares Pure Cannabis ETF	(72.2)	(20.2)	47.1	—	—	(31.1)	—	—	3.12	0.6	0.88	—	50
Digital Assets	ETHE	Grayscale Ethereum Trust (ETH)	(68.7)	391.1	392.6	(5.9)	(82.1)	96.4	5.0	—	6.22	0.0	2.50	—	3,635
Misc Region	BDRY	Breakwave Dry Bulk Shipping ETF	(68.4)	273.8	(48.4)	(17.2)	—	(15.2)	—	—	4.71	0.0	1.60	—	37
Technology	ARKW	ARK Next Generation Internet ETF	(67.5)	(16.7)	157.1	35.8	4.5	(11.4)	(0.2)	—	2.41	0.0	0.88	—	954
Misc Sector	POTX	Global X Cannabis ETF	(67.4)	(38.9)	(30.4)	—	—	(48.2)	—	—	3.63	3.6	0.50	—	42
Mid-Cap Growth	ARKK	ARK Innovation ETF	(67.0)	(23.4)	152.5	35.7	3.6	(13.9)	(2.1)	—	2.47	0.0	0.75	—	6,023
Misc Sector	MJUS	ETFMG US Alternative Harvest ETF	(66.9)	—	—	—	—	—	—	—	—	0.0	0.75	12	73
Digital Assets	GBTC	Grayscale Bitcoin Trust (BTC)	(65.6)	60.6	291.9	87.7	(74.6)	29.4	0.6	—	4.44	0.0	2.00	—	10,468
Technology	ARKF	ARK Fintech Innovation ETF	(65.0)	(17.7)	107.9	—	—	(15.7)	—	—	2.26	0.0	0.75	—	659
Digital Assets	OBTC	Osprey Bitcoin Trust	(64.5)	—	—	—	—	—	—	—	—	0.0	0.93	—	46
Digital Assets	BITO	ProShares Bitcoin Strategy ETF	(63.9)	—	—	—	—	—	—	—	—	0.0	0.95	232	549
Misc Sector	CNBS	Amplify Seymour Cannabis ETF	(63.7)	(18.6)	31.6	—	—	(27.0)	—	—	3.33	0.0	0.75	124	32
Digital Assets	BLOK	Amplify Transformational Data Shrg ETF	(61.9)	31.6	88.2	29.2	—	(1.9)	—	—	2.64	0.0	0.71	41	358
Technology	MOON	Direxion Moonshot Innovators ETF	(60.9)	(13.8)	—	—	—	—	—	—	—	0.0	0.65	—	29
Misc Sector	MJ	ETFMG Alternative Harvest ETF	(60.2)	(21.4)	(11.4)	(28.6)	(21.7)	(34.8)	(31.1)	—	2.94	4.1	0.75	74	304
Mid-Cap Growth	IPO	Renaissance IPO ETF	(57.2)	(10.2)	107.3	34.3	(17.1)	(7.3)	(2.4)	—	2.00	0.0	0.60	57	129
Digital Assets	ETCG	Grayscale Ethereum Classic Trust (ETC)	(56.3)	492.7	19.7	(13.7)	(81.8)	45.8	(13.4)	—	10.76	0.0	3.00	—	184
Consumer Cyclical	IBUY	Amplify Online Retail ETF	(55.6)	(23.0)	123.5	28.4	(1.6)	(8.6)	(0.7)	—	2.20	0.0	0.65	61	190
Health	ARKG	ARK Genomic Revolution ETF	(53.9)	(33.9)	180.5	43.7	0.6	(5.1)	4.3	—	2.33	0.0	0.75	—	1,899
Technology	METV	Roundhill Ball Metaverse ETF	(52.4)	—	—	—	—	—	—	—	—	0.1	0.59	—	370
Technology	FINX	Global X FinTech ETF	(52.0)	(9.7)	53.7	37.1	1.6	(12.7)	(1.5)	—	1.90	0.3	0.68	—	403
Technology	WCLD	WisdomTree Cloud Computing ETF	(51.7)	(3.1)	109.4	—	—	(0.7)	—	—	1.90	0.0	0.45	—	574
Digital Assets	BLCN	Siren Nasdaq NexGen Economy ETF	(51.0)	5.3	58.9	33.8	—	(6.4)	—	—	1.76	1.3	0.68	71	87
Mid-Cap Growth	FFTY	Innovator IBD 50 ETF	(51.0)	11.9	18.0	25.8	(16.6)	(13.5)	(7.5)	—	1.54	2.8	0.80	—	78
Equity Energy	HDRO	Defiance Next Gen H2 ETF	(51.0)	—	—	—	—	—	—	—	—	0.0	0.30	—	38
Technology	OGIG	ALPS O'Shares Gbl Internet Gnts ETF	(50.6)	(9.1)	107.2	36.6	—	(2.4)	—	—	1.66	0.0	0.48	—	139
Consumer Cyclical	ONLN	ProShares Online Retail ETF	(50.1)	(25.1)	111.4	20.1	—	(7.5)	—	—	1.96	0.0	0.58	113	113
Gbl Lg Stock Grth	GXTG	Global X Thematic Growth ETF	(48.0)	3.3	61.7	—	—	(4.6)	—	—	1.70	1.5	0.50	—	44
Technology	PNQI	Invesco NASDAQ Internet ETF	(47.9)	(5.7)	61.3	28.9	(5.0)	(7.4)	(0.6)	10.5	1.54	0.0	0.60	29	429
Large Growth	BUZZ	VanEck Social Sentiment ETF	(47.7)	—	—	—	—	—	—	—	—	0.4	0.75	263	52
Technology	XITK	SPDR FactSet Innovative Tech ETF	(47.5)	(11.3)	89.8	36.9	8.4	(4.0)	5.6	—	1.68	0.1	0.45	53	98
Technology	ARKQ	ARK Autonomous Tech & Robotics ETF	(46.7)	2.7	106.7	25.9	(7.6)	4.2	5.7	—	1.82	0.0	0.75	—	796
Technology	GTEK	Goldman Sachs Future Tech Ldrs Eq ETF	(46.7)	—	—	—	—	—	—	—	—	0.0	0.75	55	214
Misc Sector	HYDR	Global X Hydrogen ETF	(46.7)	—	—	—	—	—	—	—	—	0.0	0.50	—	34
Technology	LOUP	Innovator Loup Frontier Tech ETF	(45.9)	7.7	86.1	31.6	—	2.7	—	—	1.83	0.0	0.70	—	32
Technology	HAIL	SPDR S&P Kensho Smart Mobility ETF	(45.6)	2.1	83.9	30.3	(19.5)	0.7	1.4	—	2.18	2.1	0.45	38	57
Technology	FDN	First Trust Dow Jones Internet ETF	(45.5)	6.4	52.6	19.3	6.2	(4.0)	2.3	12.2	1.51	0.0	0.51	—	3,553
Technology	WFH	Direxion Work From Home ETF	(45.2)	10.9	—	—	—	—	—	—	—	0.4	0.45	—	31
Technology	SKYY	First Trust Cloud Computing ETF	(44.7)	10.5	57.8	25.8	6.2	(1.2)	5.2	11.7	1.53	0.2	0.60	42	2,592
Misc Region	VNM	VanEck Vietnam ETF	(44.5)	22.5	9.6	9.0	(14.1)	(9.3)	(6.9)	(2.0)	1.55	1.0	0.59	57	413
Misc Sector	PBW	Invesco WilderHill Clean Energy ETF	(44.4)	(29.8)	205.6	61.9	(13.7)	6.0	10.7	8.6	2.97	4.2	0.62	—	758
Industrials	FDRV	Fidelity EVs & Future Transport ETF	(44.2)	—	—	—	—	—	—	—	—	0.3	0.39	31	40
Consumer Cyclical	NERD	Roundhill Video Games ETF	(43.5)	(16.9)	89.9	—	—	(3.8)	—	—	1.57	0.7	0.50	—	25
Misc Sector	BOTZ	Global X Robotics & AI ETF	(42.5)	8.8	50.7	31.7	(27.8)	(1.9)	(2.2)	—	1.56	0.2	0.68	—	1,295
Technology	SOCL	Global X Social Media ETF	(42.3)	(12.8)	78.2	25.2	(16.0)	(3.6)	(1.2)	9.4	1.72	0.4	0.65	—	123
Health	IDNA	iShares Genomics Immune & Health ETF	(42.1)	(4.0)	54.5	—	—	(5.0)	—	—	1.61	0.5	0.47	59	155