Michael Zevin

List of Publications by Year
in descending order

44 papers	4,696 citations	172457 29 h-index	276875 41 g-index
44 all docs	44 docs citations	44 times ranked	4089 citing authors

#	Article	IF	Citations
1	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. Living Reviews in Relativity, 2018, 21, 3.	26.7	808
2	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. Living Reviews in Relativity, 2020, 23, 3.	26.7	447
3	Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. Living Reviews in Relativity, 2016, 19, 1.	26.7	427
4	ILLUMINATING BLACK HOLE BINARY FORMATION CHANNELS WITH SPINS IN ADVANCED LIGO. Astrophysical Journal Letters, 2016, 832, L2.	8.3	227
5	Characterization of transient noise in Advanced LIGO relevant to gravitational wave signal GW150914. Classical and Quantum Gravity, 2016, 33, 134001.	4.0	225
6	Black holes: The next generationâ€”repeated mergers in dense star clusters and their gravitational-wave properties. Physical Review D, 2019, 100, .	4.7	201
7	Gravity Spy: integrating advanced LIGO detector characterization, machine learning, and citizen science. Classical and Quantum Gravity, 2017, 34, 064003.	4.0	194
8	One Channel to Rule Them All? Constraining the Origins of Binary Black Holes Using Multiple Formation Pathways. Astrophysical Journal, 2021, 910, 152.	4.5	177
9	Post-Newtonian dynamics in dense star clusters: Formation, masses, and merger rates of highly-eccentric black hole binaries. Physical Review D, 2018, 98, .	4.7	173
10	COSMIC Variance in Binary Population Synthesis. Astrophysical Journal, 2020, 898, 71.	4.5	170
11	Eccentric Black Hole Mergers in Dense Star Clusters: The Role of Binaryâ€“Binary Encounters. Astrophysical Journal, 2019, 871, 91.	4.5	158
12	A Gravitational-wave Measurement of the Hubble Constant Following the Second Observing Run of Advanced LIGO and Virgo. Astrophysical Journal, 2021, 909, 218.	4.5	144
13	Constraining Formation Models of Binary Black Holes with Gravitational-wave Observations. Astrophysical Journal, 2017, 846, 82.	4.5	128
14	Exploring the Lower Mass Gap and Unequal Mass Regime in Compact Binary Evolution. Astrophysical Journal Letters, 2020, 899, L1.	8.3	102
15	Black Hole Genealogy: Identifying Hierarchical Mergers with Gravitational Waves. Astrophysical Journal, 2020, 900, 177.	4.5	94
16	The missing link in gravitational-wave astronomy: discoveries waiting in the decihertz range. Classical and Quantum Gravity, 2020, 37, 215011.	4.0	90
17	The impact of mass-transfer physics on the observable properties of field binary black hole populations. Astronomy and Astrophysics, 2021, 647, A153.	5.1	86
18	Evidence for Hierarchical Black Hole Mergers in the Second LIGOâ€“Virgo Gravitational Wave Catalog. Astrophysical Journal Letters, 2021, 915, L35.	8.3	86

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19	On the Progenitor of Binary Neutron Star Merger GW170817. Astrophysical Journal Letters, 2017, 850, L40.	8.3	73
20	Post-Newtonian dynamics in dense star clusters: Binary black holes in the LISA band. Physical Review D, 2019, 99, .	4.7	73
21	The basic physics of the binary black hole merger GW150914. Annalen Der Physik, 2017, 529, 1600209.	2.4	69
22	Machine learning for Gravity Spy: Glitch classification and dataset. Information Sciences, 2018, 444, 172-186.	6.9	54
23	Search for Gravitational Waves Associated with Gamma-Ray Bursts during the First Advanced LIGO Observing Run and Implications for the Origin of GRB 150906B. Astrophysical Journal, 2017, 841, 89.	4.5	52
24	Black Hole Mergers from Hierarchical Triples in Dense Star Clusters. Astrophysical Journal, 2020, 903, 67.	4.5	50
25	You Canâ€™t Always Get What You Want: The Impact of Prior Assumptions on Interpreting GW190412. Astrophysical Journal Letters, 2020, 899, L17.	8.3	49
26	Implications of Eccentric Observations on Binary Black Hole Formation Channels. Astrophysical Journal Letters, 2021, 921, L43.	8.3	36
27	Stochastic gravitational-wave background as a tool for investigating multi-channel astrophysical and primordial black-hole mergers. Astronomy and Astrophysics, 2022, 660, A26.	5.1	36
28	Modeling Dense Star Clusters in the Milky Way and beyond with the Cluster Monte Carlo Code. Astrophysical Journal, Supplement Series, 2022, 258, 22.	7.7	33
29	Can Neutron-star Mergers Explain the r-process Enrichment in Globular Clusters?. Astrophysical Journal, 2019, 886, 4.	4.5	32
30	Classifying the unknown: Discovering novel gravitational-wave detector glitches using similarity learning. Physical Review D, 2019, 99, .	4.7	29
31	First joint observation by the underground gravitational-wave detector KAGRA with GEO 600. Progress of Theoretical and Experimental Physics, 2022, 2022, .	6.6	20
32	ASTROPHYSICAL PRIOR INFORMATION AND GRAVITATIONAL-WAVE PARAMETER ESTIMATION. Astrophysical Journal, 2017, 834, 154.	4.5	19
33	Cosmologically Coupled Compact Objects: A Single-parameter Model for LIGOâ€“Virgo Mass and Redshift Distributions. Astrophysical Journal Letters, 2021, 921, L22.	8.3	19
34	Probing the progenitors of spinning binary black-hole mergers with long gamma-ray bursts. Astronomy and Astrophysics, 2022, 657, L8.	5.1	18
35	Improvements in Gravitational-wave Sky Localization with Expanded Networks of Interferometers. Astrophysical Journal Letters, 2018, 854, L25.	8.3	15
36	The missing link in gravitational-wave astronomy. Experimental Astronomy, 2021, 51, 1427-1440.	3.7	15

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37	Deep multi-view models for glitch classification. , 2017, , .		14
38	Forward Modeling of Double Neutron Stars: Insights from Highly Offset Short Gamma-Ray Bursts. Astrophysical Journal, 2020, 904, 190.	4.5	13
39	Direct: Deep Discriminative Embedding for Clustering of Ligo Data. , 2018, , .		12
40	Knowledge Tracing to Model Learning in Online Citizen Science Projects. IEEE Transactions on Learning Technologies, 2020, 13, 123-134.	3.2	10
41	Teaching citizen scientists to categorize glitches using machine learning guided training. Computers in Human Behavior, 2020, 105, 106198.	8.5	9
42	Approximations of the Spin of Close Black Holeâ€“Wolfâ€“Rayet Binaries. Research Notes of the AAS, 2021, 5, 127.	0.7	5
43	Incorporating current research into formal higher education settings using Astrobites. American Journal of Physics, 2017, 85, 741-749.	0.7	2
44	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. , 2018, 21, 1.		2