John Veitch

List of Publications by Year
in descending order

103 papers	20,099 citations	41258 49 h-index	31759 101 g-index
104 all docs	104 docs citations	104 times ranked	8767 citing authors

#	Article	IF	Citations
1	Advanced Virgo: a second-generation interferometric gravitational wave detector. Classical and Quantum Gravity, 2015, 32, 024001.	1.5	2,530
2	Gravitational Waves and Gamma-Rays from a Binary Neutron Star Merger: GW170817 and GRB 170817A. Astrophysical Journal Letters, 2017, 848, L13.	3.0	2,314
3	GW170104: Observation of a 50-Solar-Mass Binary Black Hole Coalescence at Redshift 0.2. Physical Review Letters, 2017, 118, 221101.	2.9	1,987
4	GW170814: A Three-Detector Observation of Gravitational Waves from a Binary Black Hole Coalescence. Physical Review Letters, 2017, 119, 141101.	2.9	1,600
5	The Einstein Telescope: a third-generation gravitational wave observatory. Classical and Quantum Gravity, 2010, 27, 194002.	1.5	1,211
6	GW170608: Observation of a 19 Solar-mass Binary Black Hole Coalescence. Astrophysical Journal Letters, 2017, 851, L35.	3.0	968
7	Enhanced sensitivity of the LIGO gravitational wave detector by using squeezed states of light. Nature Photonics, 2013, 7, 613-619.	15.6	825
8	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. Living Reviews in Relativity, 2018, 21, 3.	8.2	808
9	Parameter estimation for compact binaries with ground-based gravitational-wave observations using the LALInference software library. Physical Review D, 2015, 91, .	1.6	674
10	A gravitational-wave standard siren measurement of the Hubble constant. Nature, 2017, 551, 85-88.	13.7	674
11	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. Living Reviews in Relativity, 2020, 23, 3.	8.2	447
12	Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. Living Reviews in Relativity, 2016, 19, 1.	8.2	427
13	Scientific objectives of Einstein Telescope. Classical and Quantum Gravity, 2012, 29, 124013.	1.5	355
14	The third generation of gravitational wave observatories and their science reach. Classical and Quantum Gravity, 2010, 27, 084007.	1.5	287
15	FERMI GBM OBSERVATIONS OF LIGO GRAVITATIONAL-WAVE EVENT GW150914. Astrophysical Journal Letters, 2016, 826, L6.	3.0	246
16	Characterization of transient noise in Advanced LIGO relevant to gravitational wave signal GW150914. Classical and Quantum Gravity, 2016, 33, 134001.	1.5	225
17	Bayesian inference for compact binary coalescences with <scp>bilby</scp>: validation and application to the first LIGOâ€"Virgo gravitational-wave transient catalogue. Monthly Notices of the Royal Astronomical Society, 2020, 499, 3295-3319.	1.6	213
18	Bayesian coherent analysis of in-spiral gravitational wave signals with a detector network. Physical Review D, 2010, 81, .	1.6	206

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19	Towards a generic test of the strong field dynamics of general relativity using compact binary coalescence. Physical Review D, 2012, 85, .	1.6	176
20	THE FIRST TWO YEARS OF ELECTROMAGNETIC FOLLOW-UP WITH ADVANCED LIGO AND VIRGO. Astrophysical Journal, 2014, 795, 105.	1.6	159
21	Constraining the neutron star equation of state with gravitational wave signals from coalescing binary neutron stars. Physical Review D, 2015, 92, .	1.6	153
22	A Standard Siren Measurement of the Hubble Constant from GW170817 without the Electromagnetic Counterpart. Astrophysical Journal Letters, 2019, 871, L13.	3.0	145
23	A Gravitational-wave Measurement of the Hubble Constant Following the Second Observing Run of Advanced LIGO and Virgo. Astrophysical Journal, 2021, 909, 218.	1.6	144
24	The GEO-HF project. Classical and Quantum Gravity, 2006, 23, S207-S214.	1.5	133
25	TIGER: A data analysis pipeline for testing the strong-field dynamics of general relativity with gravitational wave signals from coalescing compact binaries. Physical Review D, 2014, 89, .	1.6	130
26	Bayesian model selection for testing the no-hair theorem with black hole ringdowns. Physical Review D, 2012, 85, .	1.6	129
27	GOING THE DISTANCE: MAPPING HOST GALAXIES OF LIGO AND VIRGO SOURCES IN THREE DIMENSIONS USING LOCAL COSMOGRAPHY AND TARGETED FOLLOW-UP. Astrophysical Journal Letters, 2016, 829, L15.	3.0	126
28	Status of the GEO600 detector. Classical and Quantum Gravity, 2006, 23, S71-S78.	1.5	123
29	PARAMETER ESTIMATION FOR BINARY NEUTRON-STAR COALESCENCES WITH REALISTIC NOISE DURING THE ADVANCED LIGO ERA. Astrophysical Journal, 2015, 804, 114.	1.6	117
30	Testing gravitational-wave searches with numerical relativity waveforms: results from the first Numerical INJection Analysis (NINJA) project. Classical and Quantum Gravity, 2009, 26, 165008.	1.5	110
31	Testing the no-hair theorem with black hole ringdowns using TIGER. Physical Review D, 2014, 90, .	1.6	103
32	Measuring the Spin of Black Holes in Binary Systems Using Gravitational Waves. Physical Review Letters, 2014, 112, 251101.	2.9	95
33	Cosmological inference using gravitational wave standard sirens: A mock data analysis. Physical Review D, 2020, 101, .	1.6	95
34	SEARCH FOR GRAVITATIONAL-WAVE INSPIRAL SIGNALS ASSOCIATED WITH SHORT GAMMA-RAY BURSTS DURING LIGO'S FIFTH AND VIRGO'S FIRST SCIENCE RUN. Astrophysical Journal, 2010, 715, 1453-1461.	1.6	90
35	Observational black hole spectroscopy: A time-domain multimode analysis of GW150914. Physical Review D, 2019, 99, .	1.6	89
36	Evidence for Hierarchical Black Hole Mergers in the Second LIGOâ€"Virgo Gravitational Wave Catalog. Astrophysical Journal Letters, 2021, 915, L35.	3.0	86

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37	The Mock LISA Data Challenges: from challenge 3 to challenge 4. Classical and Quantum Gravity, 2010, 27, 084009.	1.5	83
38	Estimating parameters of coalescing compact binaries with proposed advanced detector networks. Physical Review D, 2012, 85, .	1.6	79
39	What if LIGOâ€™s gravitational wave detections are strongly lensed by massive galaxy clusters?. Monthly Notices of the Royal Astronomical Society, 2018, 475, 3823-3828.	1.6	71
40	Testing general relativity using Bayesian model selection: Applications to observations of gravitational waves from compact binary systems. Physical Review D, 2011, 83, .	1.6	70
41	The basic physics of the binary black hole merger GW150914. Annalen Der Physik, 2017, 529, 1600209.	0.9	69
42	PARAMETER ESTIMATION ON GRAVITATIONAL WAVES FROM NEUTRON-STAR BINARIES WITH SPINNING COMPONENTS. Astrophysical Journal, 2016, 825, 116.	1.6	68
43	Parameter estimation for heavy binary-black holes with networks of second-generation gravitational-wave detectors. Physical Review D, 2017, 95, .	1.6	66
44	The Mock LISA Data Challenges: from Challenge 1B to Challenge 3. Classical and Quantum Gravity, 2008, 25, 184026.	1.5	64
45	Effect of calibration errors on Bayesian parameter estimation for gravitational wave signals from inspiral binary systems in the advanced detectors era. Physical Review D, 2012, 85, .	1.6	62
46	Model-independent inference on compact-binary observations. Monthly Notices of the Royal Astronomical Society, 2017, 465, 3254-3260.	1.6	58
47	HIGH-ENERGY ELECTROMAGNETIC OFFLINE FOLLOW-UP OF LIGO-VIRGO GRAVITATIONAL-WAVE BINARY COALESCENCE CANDIDATE EVENTS. Astrophysical Journal, Supplement Series, 2015, 217, 8.	3.0	55
48	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.	1.6	52
49	Bayesian modeling of source confusion in LISA data. Physical Review D, 2005, 72, .	1.6	51
50	Reconstructing the sky location of gravitational-wave detected compact binary systems: Methodology for testing and comparison. Physical Review D, 2014, 89, .	1.6	50
51	Bayesian approach to the follow-up of candidate gravitational wave signals. Physical Review D, 2008, 78, .	1.6	46
52	Upper Limits on Gravitational Waves from Scorpius X-1 from a Model-based Cross-correlation Search in Advanced LIGO Data. Astrophysical Journal, 2017, 847, 47.	1.6	46
53	Report on the second Mock LISA data challenge. Classical and Quantum Gravity, 2008, 25, 114037.	1.5	44
54	Inference on gravitational waves from coalescences of stellar-mass compact objects and intermediate-mass black holes. Monthly Notices of the Royal Astronomical Society, 2016, 457, 4499-4506.	1.6	42

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55	Assigning confidence to inspiral gravitational wave candidates with Bayesian model selection. Classical and Quantum Gravity, 2008, 25, 184010.	1.5	40
56	Nested sampling for physical scientists. Nature Reviews Methods Primers, 2022, 2, .	11.8	40
57	Status of NINJA: the Numerical INJection Analysis project. Classical and Quantum Gravity, 2009, 26, 114008.	1.5	39
58	Measuring Intermediate-Mass Black-Hole Binaries with Advanced Gravitational Wave Detectors. Physical Review Letters, 2015, 115, 141101.	2.9	39
59	Accelerating gravitational wave parameter estimation with multi-band template interpolation. Classical and Quantum Gravity, 2017, 34, 115006.	1.5	39
60	Nested sampling with normalizing flows for gravitational-wave inference. Physical Review D, 2021, 103, .	1.6	36
61	Report on the first round of the Mock LISA Data Challenges. Classical and Quantum Gravity, 2007, 24, S529-S539.	1.5	33
62	SEARCHING THE GAMMA-RAY SKY FOR COUNTERPARTS TO GRAVITATIONAL WAVE SOURCES: FERMI GAMMA-RAY BURST MONITORÂAND LARGE AREA TELESCOPE OBSERVATIONS OF LVT151012 AND GW151226. Astrophysical Journal, 2017, 835, 82.	1.6	32
63	On the Interpretation of the Fermi-GBM Transient Observed in Coincidence with LIGO Gravitational-wave Event GW150914. Astrophysical Journal Letters, 2018, 853, L9.	3.0	30
64	Digging the population of compact binary mergers out of the noise. Monthly Notices of the Royal Astronomical Society, 2019, 484, 4008-4023.	1.6	30
65	The status of GEO 600. Classical and Quantum Gravity, 2005, 22, S193-S198.	1.5	27
66	Avoiding selection bias in gravitational wave astronomy. New Journal of Physics, 2013, 15, 053027.	1.2	23
67	Estimating the parameters of gravitational waves from neutron stars using an adaptive MCMC method. Classical and Quantum Gravity, 2004, 21, S1655-S1665.	1.5	22
68	Optimizing gravitational-wave searches for a population of coalescing binaries: Intrinsic parameters. Physical Review D, 2014, 89, .	1.6	21
69	Systematic errors in estimation of gravitational-wave candidate significance. Physical Review D, 2017, 96, .	1.6	21
70	A pixelated approach to galaxy catalogue incompleteness: improving the dark siren measurement of the Hubble constant. Monthly Notices of the Royal Astronomical Society, 2022, 512, 1127-1140.	1.6	21
71	First joint observation by the underground gravitational-wave detector KAGRA with GEO 600. Progress of Theoretical and Experimental Physics, 2022, 2022, .	1.8	20
72	Strong-lensing of Gravitational Waves by Galaxy Clusters. Proceedings of the International Astronomical Union, 2017, 13, 98-102.	0.0	19

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73	Deep and rapid observations of strong-lensing galaxy clusters within the sky localization of GW170814. Monthly Notices of the Royal Astronomical Society, 2019, 485, 5180-5191.	1.6	19
74	LISA source confusion: identification and characterization of signals. Classical and Quantum Gravity, 2005, 22, S901-S911.	1.5	18
75	Quantum black hole spectroscopy: probing the quantum nature of the black hole area using LIGOâ€"Virgo ringdown detections. Classical and Quantum Gravity, 2021, 38, 095005.	1.5	17
76	Commissioning, characterization and operation of the dual-recycled GEO 600. Classical and Quantum Gravity, 2004, 21, S1737-S1745.	1.5	15
77	Inference on white dwarf binary systems using the first round Mock LISA Data Challenges data sets. Classical and Quantum Gravity, 2007, 24, S541-S549.	1.5	15
78	Fermi Observations of the LIGO Event GW170104. Astrophysical Journal Letters, 2017, 846, L5.	3.0	15
79	Bekenstein-Hod Universal Bound on Information Emission Rate Is Obeyed by LIGO-Virgo Binary Black Hole Remnants. Physical Review Letters, 2021, 126, 161102.	2.9	15
80	Inference on inspiral signals using LISA MLDC data. Classical and Quantum Gravity, 2007, 24, S521-S527.	1.5	13
81	Comparing Short Gamma-Ray Burst Jet Structure Models. Astrophysical Journal, 2020, 891, 124.	1.6	13
82	Are stellar-mass binary black hole mergers isotropically distributed?. Monthly Notices of the Royal Astronomical Society, 2020, 501, 970-977.	1.6	13
83	How would GW150914 look with future gravitational wave detector networks?. Classical and Quantum Gravity, 2017, 34, 174003.	1.5	12
84	Bayesian inference on the Numerical INJection Analysis (NINJA) data set using a nested sampling algorithm. Classical and Quantum Gravity, 2009, 26, 114011.	1.5	10
85	Reconstruction of the gravitational wave signal h (t) during the Virgo science runs and independent validation with a photon calibrator. Classical and Quantum Gravity, 2014, 31, 165013.	1.5	10
86	Characterization of low-significance gravitational-wave compact binary sources. Physical Review D, 2018, 98, .	1.6	10
87	Stepping-stone sampling algorithm for calculating the evidence of gravitational wave models. Physical Review D, 2019, 99, .	1.6	10
88	Inclination Estimates from Off-Axis GRB Afterglow Modelling. Universe, 2021, 7, 329.	0.9	10
89	Associating host galaxy candidates to massive black hole binaries resolved by pulsar timing arrays. Monthly Notices of the Royal Astronomical Society, 2019, 485, 248-259.	1.6	9
90	Bayesian approach to the study of white dwarf binaries in LISA data: The application of a reversible jump Markov chain MonteÂCarlo method. Physical Review D, 2009, 80, .	1.6	8

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91	Null-stream analysis of Pulsar Timing Array data: localization of resolvable gravitational wave sources. Monthly Notices of the Royal Astronomical Society, 2018, 477, 5447-5459.	1.6	8
92	Quantum algorithm for gravitational-wave matched filtering. Physical Review Research, 2022, 4, .	1.3	7
93	Search for advanced LIGO single interferometer compact binary coalescence signals in coincidence with Gamma-ray events in Fermi-GBM. Classical and Quantum Gravity, 2020, 37, 175001.	1.5	6
94	Detecting Gravitational Radiation from Neutron Stars using a Six-Parameter Adaptive MCMC Method. AIP Conference Proceedings, 2004, , .	0.3	5
95	A time-domain MCMC search and upper limit technique for gravitational waves of uncertain frequency from a targeted neutron star. Classical and Quantum Gravity, 2005, 22, S995-S1001.	1.5	5
96	Markov chain Monte Carlo searches for galactic binaries in Mock LISA Data Challenge 1B data sets. Classical and Quantum Gravity, 2008, 25, 184028.	1.5	5
97	Studying stellar binary systems with the Laser Interferometer Space Antenna using delayed rejection Markov chain Monte Carlo methods. Classical and Quantum Gravity, 2009, 26, 204024.	1.5	5
98	Early Advanced LIGO binary neutron-star sky localization and parameter estimation. Journal of Physics: Conference Series, 2016, 716, 012031.	0.3	5
99	Gravitational waves: search results, data analysis and parameter estimation. General Relativity and Gravitation, 2015, 47, 11.	0.7	4
100	Vortex sorter for Bose-Einstein condensates. Physical Review A, 2004, 70, .	1.0	3
101	A Bayesian Inference Framework for Gamma-ray Burst Afterglow Properties. Universe, 2021, 7, 349.	0.9	2
102	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. , 2018, 21, 1.		2
103	Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. , 2016, 19, 1.		1