# John Veitch

List of Publications by Year
in descending order



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

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | 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 |
| 2 | Quantum algorithm for gravitational-wave matched filtering. Physical Review Research, 2022, 4, . | 1.3 | 7 |
| 3 | First joint observation by the underground gravitational-wave detector KAGRA with GEO 600. Progress of Theoretical and Experimental Physics, 2022, 2022, . | 1.8 | 20 |
| 4 | Nested sampling for physical scientists. Nature Reviews Methods Primers, 2022, 2, . | 11.8 | 40 |
| 5 | 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 |
| 6 | Quantum black hole spectroscopy: probing the quantum nature of the black hole area using LIGOâ€œVirgo ringdown detections. Classical and Quantum Gravity, 2021, 38, 095005. | 1.5 | 17 |
| 7 | 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 |
| 8 | Nested sampling with normalizing flows for gravitational-wave inference. Physical Review D, 2021, 103, . | 1.6 | 36 |
| 9 | Evidence for Hierarchical Black Hole Mergers in the Second LIGOâ€œVirgo Gravitational Wave Catalog. Astrophysical Journal Letters, 2021, 915, L35. | 3.0 | 86 |
| 10 | A Bayesian Inference Framework for Gamma-ray Burst Afterglow Properties. Universe, 2021, 7, 349. | 0.9 | 2 |
| 11 | Inclination Estimates from Off-Axis GRB Afterglow Modelling. Universe, 2021, 7, 329. | 0.9 | 10 |
| 12 | 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 |
| 13 | Cosmological inference using gravitational wave standard sirens: A mock data analysis. Physical Review D, 2020, 101, . | 1.6 | 95 |
| 14 | Bayesian inference for compact binary coalescences with <scp>bilby</scp>: validation and application to the first LIGOâ€œVirgo gravitational-wave transient catalogue. Monthly Notices of the Royal Astronomical Society, 2020, 499, 3295-3319. | 1.6 | 213 |
| 15 | Comparing Short Gamma-Ray Burst Jet Structure Models. Astrophysical Journal, 2020, 891, 124. | 1.6 | 13 |
| 16 | Are stellar-mass binary black hole mergers isotropically distributed?. Monthly Notices of the Royal Astronomical Society, 2020, 501, 970-977. | 1.6 | 13 |
| 17 | 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 |
| 18 | Observational black hole spectroscopy: A time-domain multimode analysis of GW150914. Physical Review D, 2019, 99, . | 1.6 | 89 |

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|---|---|---|---|
| 19 | A Standard Siren Measurement of the Hubble Constant from GW170817 without the Electromagnetic Counterpart. Astrophysical Journal Letters, 2019, 871, L13. | 3.0 | 145 |
| 20 | 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 |
| 21 | Stepping-stone sampling algorithm for calculating the evidence of gravitational wave models. Physical Review D, 2019, 99, . | 1.6 | 10 |
| 22 | 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 |
| 23 | 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 |
| 24 | 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 |
| 25 | 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 |
| 26 | 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 |
| 27 | Characterization of low-significance gravitational-wave compact binary sources. Physical Review D, 2018, 98, . | 1.6 | 10 |
| 28 | 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 |
| 29 | Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. , 2018, 21, 1. | | 2 |
| 30 | 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 |
| 31 | Accelerating gravitational wave parameter estimation with multi-band template interpolation. Classical and Quantum Gravity, 2017, 34, 115006. | 1.5 | 39 |
| 32 | The basic physics of the binary black hole merger GW150914. Annalen Der Physik, 2017, 529, 1600209. | 0.9 | 69 |
| 33 | Model-independent inference on compact-binary observations. Monthly Notices of the Royal Astronomical Society, 2017, 465, 3254-3260. | 1.6 | 58 |
| 34 | GW170814: A Three-Detector Observation of Gravitational Waves from a Binary Black Hole Coalescence. Physical Review Letters, 2017, 119, 141101. | 2.9 | 1,600 |
| 35 | 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 |
| 36 | A gravitational-wave standard siren measurement of the Hubble constant. Nature, 2017, 551, 85-88. | 13.7 | 674 |

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| 37 | 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 |
| 38 | Fermi Observations of the LIGO Event GW170104. Astrophysical Journal Letters, 2017, 846, L5. | 3.0 | 15 |
| 39 | Parameter estimation for heavy binary-black holes with networks of second-generation gravitational-wave detectors. Physical Review D, 2017, 95, . | 1.6 | 66 |
| 40 | 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 |
| 41 | How would GW150914 look with future gravitational wave detector networks?. Classical and Quantum Gravity, 2017, 34, 174003. | 1.5 | 12 |
| 42 | 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 |
| 43 | Systematic errors in estimation of gravitational-wave candidate significance. Physical Review D, 2017, 96, . | 1.6 | 21 |
| 44 | GW170608: Observation of a 19 Solar-mass Binary Black Hole Coalescence. Astrophysical Journal Letters, 2017, 851, L35. | 3.0 | 968 |
| 45 | Strong-lensing of Gravitational Waves by Galaxy Clusters. Proceedings of the International Astronomical Union, 2017, 13, 98-102. | 0.0 | 19 |
| 46 | PARAMETER ESTIMATION ON GRAVITATIONAL WAVES FROM NEUTRON-STAR BINARIES WITH SPINNING COMPONENTS. Astrophysical Journal, 2016, 825, 116. | 1.6 | 68 |
| 47 | Early Advanced LIGO binary neutron-star sky localization and parameter estimation. Journal of Physics: Conference Series, 2016, 716, 012031. | 0.3 | 5 |
| 48 | Characterization of transient noise in Advanced LIGO relevant to gravitational wave signal GW150914. Classical and Quantum Gravity, 2016, 33, 134001. | 1.5 | 225 |
| 49 | Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. Living Reviews in Relativity, 2016, 19, 1. | 8.2 | 427 |
| 50 | FERMI GBM OBSERVATIONS OF LIGO GRAVITATIONAL-WAVE EVENT GW150914. Astrophysical Journal Letters, 2016, 826, L6. | 3.0 | 246 |
| 51 | 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 |
| 52 | 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 |
| 53 | Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. , 2016, 19, 1. | | 1 |
| 54 | Constraining the neutron star equation of state with gravitational wave signals from coalescing binary neutron stars. Physical Review D, 2015, 92, . | 1.6 | 153 |

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| 55 | Measuring Intermediate-Mass Black-Hole Binaries with Advanced Gravitational Wave Detectors. Physical Review Letters, 2015, 115, 141101. | 2.9 | 39 |
| 56 | PARAMETER ESTIMATION FOR BINARY NEUTRON-STAR COALESCENCES WITH REALISTIC NOISE DURING THE ADVANCED LIGO ERA. Astrophysical Journal, 2015, 804, 114. | 1.6 | 117 |
| 57 | 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 |
| 58 | Parameter estimation for compact binaries with ground-based gravitational-wave observations using the LALInference software library. Physical Review D, 2015, 91, . | 1.6 | 674 |
| 59 | Gravitational waves: search results, data analysis and parameter estimation. General Relativity and Gravitation, 2015, 47, 11. | 0.7 | 4 |
| 60 | Advanced Virgo: a second-generation interferometric gravitational wave detector. Classical and Quantum Gravity, 2015, 32, 024001. | 1.5 | 2,530 |
| 61 | 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 |
| 62 | Optimizing gravitational-wave searches for a population of coalescing binaries: Intrinsic parameters. Physical Review D, 2014, 89, . | 1.6 | 21 |
| 63 | Testing the no-hair theorem with black hole ringdowns using TIGER. Physical Review D, 2014, 90, . | 1.6 | 103 |
| 64 | 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 |
| 65 | Reconstructing the sky location of gravitational-wave detected compact binary systems: Methodology for testing and comparison. Physical Review D, 2014, 89, . | 1.6 | 50 |
| 66 | THE FIRST TWO YEARS OF ELECTROMAGNETIC FOLLOW-UP WITH ADVANCED LIGO AND VIRGO. Astrophysical Journal, 2014, 795, 105. | 1.6 | 159 |
| 67 | Measuring the Spin of Black Holes in Binary Systems Using Gravitational Waves. Physical Review Letters, 2014, 112, 251101. | 2.9 | 95 |
| 68 | Enhanced sensitivity of the LIGO gravitational wave detector by using squeezed states of light. Nature Photonics, 2013, 7, 613-619. | 15.6 | 825 |
| 69 | Avoiding selection bias in gravitational wave astronomy. New Journal of Physics, 2013, 15, 053027. | 1.2 | 23 |
| 70 | Towards a generic test of the strong field dynamics of general relativity using compact binary coalescence. Physical Review D, 2012, 85, . | 1.6 | 176 |
| 71 | Estimating parameters of coalescing compact binaries with proposed advanced detector networks. Physical Review D, 2012, 85, . | 1.6 | 79 |
| 72 | Bayesian model selection for testing the no-hair theorem with black hole ringdowns. Physical Review D, 2012, 85, . | 1.6 | 129 |

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| 73 | 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 |
| 74 | Scientific objectives of Einstein Telescope. Classical and Quantum Gravity, 2012, 29, 124013. | 1.5 | 355 |
| 75 | 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 |
| 76 | The third generation of gravitational wave observatories and their science reach. Classical and Quantum Gravity, 2010, 27, 084007. | 1.5 | 287 |
| 77 | The Einstein Telescope: a third-generation gravitational wave observatory. Classical and Quantum Gravity, 2010, 27, 194002. | 1.5 | 1,211 |
| 78 | The Mock LISA Data Challenges: from challenge 3 to challenge 4. Classical and Quantum Gravity, 2010, 27, 084009. | 1.5 | 83 |
| 79 | Bayesian coherent analysis of in-spiral gravitational wave signals with a detector network. Physical Review D, 2010, 81, . | 1.6 | 206 |
| 80 | 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 |
| 81 | 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 |
| 82 | Status of NINJA: the Numerical INJection Analysis project. Classical and Quantum Gravity, 2009, 26, 114008. | 1.5 | 39 |
| 83 | 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 |
| 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 | 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 |
| 86 | Assigning confidence to inspiral gravitational wave candidates with Bayesian model selection. Classical and Quantum Gravity, 2008, 25, 184010. | 1.5 | 40 |
| 87 | The Mock LISA Data Challenges: from Challenge 1B to Challenge 3. Classical and Quantum Gravity, 2008, 25, 184026. | 1.5 | 64 |
| 88 | 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 |
| 89 | Report on the second Mock LISA data challenge. Classical and Quantum Gravity, 2008, 25, 114037. | 1.5 | 44 |
| 90 | Bayesian approach to the follow-up of candidate gravitational wave signals. Physical Review D, 2008, 78, . | 1.6 | 46 |

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| 91 | Inference on inspiral signals using LISA MLDC data. Classical and Quantum Gravity, 2007, 24, S521-S527. | 1.5 | 13 |
| 92 | 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 |
| 93 | Report on the first round of the Mock LISA Data Challenges. Classical and Quantum Gravity, 2007, 24, S529-S539. | 1.5 | 33 |
| 94 | The GEO-HF project. Classical and Quantum Gravity, 2006, 23, S207-S214. | 1.5 | 133 |
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| 96 | LISA source confusion: identification and characterization of signals. Classical and Quantum Gravity, 2005, 22, S901-S911. | 1.5 | 18 |
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| 98 | The status of GEO 600. Classical and Quantum Gravity, 2005, 22, S193-S198. | 1.5 | 27 |
| 99 | Bayesian modeling of source confusion in LISA data. Physical Review D, 2005, 72, . | 1.6 | 51 |
| 100 | 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 |
| 101 | Commissioning, characterization and operation of the dual-recycled GEO 600. Classical and Quantum Gravity, 2004, 21, S1737-S1745. | 1.5 | 15 |
| 102 | Detecting Gravitational Radiation from Neutron Stars using a Six-Parameter Adaptive MCMC Method. AIP Conference Proceedings, 2004, , . | 0.3 | 5 |
| 103 | Vortex sorter for Bose-Einstein condensates. Physical Review A, 2004, 70, . | 1.0 | 3 |