

Graham Woan

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

72
papers

4,968
citations

28
h-index

70
g-index

76
ext. papers

6,155
ext. citations

5
avg, IF

3.9
L-index

| # | Paper | IF | Citations |
|----|---|------|-----------|
| 72 | A Gravitational-wave Measurement of the Hubble Constant Following the Second Observing Run of Advanced LIGO and Virgo. <i>Astrophysical Journal</i> , 2021 , 909, 218 | 4.7 | 46 |
| 71 | Robust machine learning algorithm to search for continuous gravitational waves. <i>Physical Review D</i> , 2020 , 102, | 4.9 | 6 |
| 70 | Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. <i>Living Reviews in Relativity</i> , 2020 , 23, 3 | 32.5 | 144 |
| 69 | Generalized application of the Viterbi algorithm to searches for continuous gravitational-wave signals. <i>Physical Review D</i> , 2019 , 100, | 4.9 | 9 |
| 68 | First search for long-duration transient gravitational waves after glitches in the Vela and Crab pulsars. <i>Physical Review D</i> , 2019 , 100, | 4.9 | 9 |
| 67 | Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. <i>Living Reviews in Relativity</i> , 2018 , 21, 3 | 32.5 | 543 |
| 66 | Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA 2018 , 21, 1 | | 2 |
| 65 | Evidence for a Minimum Ellipticity in Millisecond Pulsars. <i>Astrophysical Journal Letters</i> , 2018 , 863, L40 | 7.9 | 36 |
| 64 | The basic physics of the binary black hole merger GW150914. <i>Annalen Der Physik</i> , 2017 , 529, 1600209 | 2.6 | 45 |
| 63 | A targeted spectral interpolation algorithm for the detection of continuous gravitational waves. <i>Classical and Quantum Gravity</i> , 2017 , 34, 015010 | 3.3 | 3 |
| 62 | Search for Gravitational Waves Associated with Gamma-Ray Bursts during the First Advanced LIGO Observing Run and Implications for the Origin of GRB 150906B. <i>Astrophysical Journal</i> , 2017 , 841, 89 | 4.7 | 42 |
| 61 | Characterization of transient noise in Advanced LIGO relevant to gravitational wave signal GW150914. <i>Classical and Quantum Gravity</i> , 2016 , 33, | 3.3 | 155 |
| 60 | Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. <i>Living Reviews in Relativity</i> , 2016 , 19, 1 | 32.5 | 393 |
| 59 | First results and future prospects for dual-harmonic searches for gravitational waves from spinning neutron stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 453, 4400-4421 | 4.3 | 10 |
| 58 | C7 multi-messenger astronomy of GW sources. <i>General Relativity and Gravitation</i> , 2014 , 46, 1 | 2.3 | |
| 57 | Enhanced sensitivity of the LIGO gravitational wave detector by using squeezed states of light. <i>Nature Photonics</i> , 2013 , 7, 613-619 | 33.9 | 572 |
| 56 | Scientific objectives of Einstein Telescope. <i>Classical and Quantum Gravity</i> , 2012 , 29, 124013 | 3.3 | 256 |

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| 55 | Farside explorer: unique science from a mission to the farside of the moon. <i>Experimental Astronomy</i> , 2012 , 33, 529-585 | 1.3 | 38 |
| 54 | A new code for parameter estimation in searches for gravitational waves from known pulsars. <i>Journal of Physics: Conference Series</i> , 2012 , 363, 012041 | 0.3 | 8 |
| 53 | Current status of gravitational wave observations. <i>General Relativity and Gravitation</i> , 2011 , 43, 387-407 | 2.3 | 4 |
| 52 | A Fundamental Figure of Merit for Radio Polarimeters. <i>IEEE Transactions on Antennas and Propagation</i> , 2011 , 59, 2058-2065 | 4.9 | 38 |
| 51 | Sensitivity studies for third-generation gravitational wave observatories. <i>Classical and Quantum Gravity</i> , 2011 , 28, 094013 | 3.3 | 382 |
| 50 | The third generation of gravitational wave observatories and their science reach. <i>Classical and Quantum Gravity</i> , 2010 , 27, 084007 | 3.3 | 214 |
| 49 | The Einstein Telescope: a third-generation gravitational wave observatory. <i>Classical and Quantum Gravity</i> , 2010 , 27, 194002 | 3.3 | 675 |
| 48 | Prospects for joint radio telescope and gravitational-wave searches for astrophysical transients. <i>Classical and Quantum Gravity</i> , 2010 , 27, 084018 | 3.3 | 8 |
| 47 | SEARCH FOR GRAVITATIONAL-WAVE INSPIRAL SIGNALS ASSOCIATED WITH SHORT GAMMA-RAY BURSTS DURING LIGO'S FIFTH AND VIRGO'S FIRST SCIENCE RUN. <i>Astrophysical Journal</i> , 2010 , 715, 1453-1461 | 4.7 | 79 |
| 46 | A generalized measurement equation and van Cittert-Zernike theorem for wide-field radio astronomical interferometry. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009 , 395, 1558-1568 | 4.3 | 31 |
| 45 | Searching for gravitational waves from Cassiopeia A with LIGO. <i>Classical and Quantum Gravity</i> , 2008 , 25, 235011 | 3.3 | 64 |
| 44 | Robust Bayesian detection of unmodelled bursts. <i>Classical and Quantum Gravity</i> , 2008 , 25, 114038 | 3.3 | 25 |
| 43 | Report on the second Mock LISA data challenge. <i>Classical and Quantum Gravity</i> , 2008 , 25, 114037 | 3.3 | 34 |
| 42 | Is there potential complementarity between LISA and pulsar timing?. <i>Journal of Physics: Conference Series</i> , 2008 , 122, 012004 | 0.3 | 5 |
| 41 | An evidence based time-frequency search method for gravitational waves from pulsar glitches. <i>Journal of Physics: Conference Series</i> , 2008 , 122, 012035 | 0.3 | |
| 40 | Gravitational astrophysics. <i>Astronomy and Geophysics</i> , 2007 , 48, 1.10-1.17 | 0.2 | 1 |
| 39 | A fast search strategy for gravitational waves from low-mass x-ray binaries. <i>Classical and Quantum Gravity</i> , 2007 , 24, S469-S480 | 3.3 | 23 |
| 38 | Inference on inspiral signals using LISA MLDC data. <i>Classical and Quantum Gravity</i> , 2007 , 24, S521-S527 | 3.3 | 11 |

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| 37 | Inference on white dwarf binary systems using the first round Mock LISA Data Challenges data sets. <i>Classical and Quantum Gravity</i> , 2007 , 24, S541-S549 | 3-3 | 12 |
| 36 | Report on the first round of the Mock LISA Data Challenges. <i>Classical and Quantum Gravity</i> , 2007 , 24, S529-S539 | 3-3 | 29 |
| 35 | Binary system delays and timing noise in searches for gravitational waves from known pulsars. <i>Physical Review D</i> , 2007 , 76, | 4-9 | 3 |
| 34 | Evidence-based search method for gravitational waves from neutron star ring-downs. <i>Physical Review D</i> , 2007 , 76, | 4-9 | 33 |
| 33 | The GEO-HF project. <i>Classical and Quantum Gravity</i> , 2006 , 23, S207-S214 | 3-3 | 121 |
| 32 | Status of the GEO600 detector. <i>Classical and Quantum Gravity</i> , 2006 , 23, S71-S78 | 3-3 | 120 |
| 31 | Principal component analysis for LISA: The time delay interferometry connection. <i>Physical Review D</i> , 2006 , 73, | 4-9 | 9 |
| 30 | Bayesian estimation of pulsar parameters from gravitational wave data. <i>Physical Review D</i> , 2005 , 72, | 4-9 | 63 |
| 29 | LISA source confusion: identification and characterization of signals. <i>Classical and Quantum Gravity</i> , 2005 , 22, S901-S911 | 3-3 | 14 |
| 28 | A time-domain MCMC search and upper limit technique for gravitational waves of uncertain frequency from a targeted neutron star. <i>Classical and Quantum Gravity</i> , 2005 , 22, S995-S1001 | 3-3 | 5 |
| 27 | The status of GEO 600. <i>Classical and Quantum Gravity</i> , 2005 , 22, S193-S198 | 3-3 | 20 |
| 26 | Optimal time-domain combination of the two calibrated output quadratures of GEO 600. <i>Classical and Quantum Gravity</i> , 2005 , 22, 4253-4261 | 3-3 | 19 |
| 25 | Bayesian modeling of source confusion in LISA data. <i>Physical Review D</i> , 2005 , 72, | 4-9 | 42 |
| 24 | Estimating the parameters of gravitational waves from neutron stars using an adaptive MCMC method. <i>Classical and Quantum Gravity</i> , 2004 , 21, S1655-S1665 | 3-3 | 20 |
| 23 | Status of GEO 600. <i>Classical and Quantum Gravity</i> , 2004 , 21, S417-S423 | 3-3 | 81 |
| 22 | Searching for gravitational waves from the Crab pulsar—the problem of timing noise. <i>Classical and Quantum Gravity</i> , 2004 , 21, S843-S846 | 3-3 | 5 |
| 21 | Hardware injection of simulated continuous gravitational wave signals for GEO 600. <i>Classical and Quantum Gravity</i> , 2004 , 21, S861-S865 | 3-3 | 1 |
| 20 | Calibration of the dual-recycled GEO 600 detector for the S3 science run. <i>Classical and Quantum Gravity</i> , 2004 , 21, S1711-S1722 | 3-3 | 15 |

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|----|---|-----|-----|
| 19 | Upper limits on the strength of periodic gravitational waves from PSR J1939+2134. <i>Classical and Quantum Gravity</i> , 2004 , 21, S671-S676 | 3-3 | 4 |
| 18 | Commissioning, characterization and operation of the dual-recycled GEO 600. <i>Classical and Quantum Gravity</i> , 2004 , 21, S1737-S1745 | 3-3 | 15 |
| 17 | Detecting Gravitational Radiation from Neutron Stars using a Six-Parameter Adaptive MCMC Method. <i>AIP Conference Proceedings</i> , 2004 , | 0 | 5 |
| 16 | Metropolis-Hastings algorithm for extracting periodic gravitational wave signals from laser interferometric detector data. <i>Physical Review D</i> , 2004 , 70, | 4-9 | 21 |
| 15 | The status of GEO 600 2004 , | | 2 |
| 14 | A report on the status of the GEO 600 gravitational wave detector. <i>Classical and Quantum Gravity</i> , 2003 , 20, S581-S591 | 3-3 | 14 |
| 13 | Detector characterization in GEO 600. <i>Classical and Quantum Gravity</i> , 2003 , 20, S731-S739 | 3-3 | |
| 12 | PQMon: a powerful veto for burst events. <i>Classical and Quantum Gravity</i> , 2003 , 20, S895-S902 | 3-3 | 16 |
| 11 | Status of the GEO600 gravitational wave detector 2003 , | | 2 |
| 10 | The GEO 600 gravitational wave detector. <i>Classical and Quantum Gravity</i> , 2002 , 19, 1377-1387 | 3-3 | 260 |
| 9 | Data acquisition and detector characterization of GEO600. <i>Classical and Quantum Gravity</i> , 2002 , 19, 1399-1407 | 3-3 | 14 |
| 8 | Capabilities and limitations of long wavelength observations from space. <i>Geophysical Monograph Series</i> , 2000 , 267-276 | 1-1 | 5 |
| 7 | The astronomical low frequency array: A proposed explorer mission for radio astronomy. <i>Geophysical Monograph Series</i> , 2000 , 339-349 | 1-1 | 7 |
| 6 | The Cambridge Handbook of Physics Formulas 2000 , | | 41 |
| 5 | The Second Cambridge Pulsar Survey At 81.5 MHz. <i>Astrophysical Journal</i> , 1998 , 509, 785-792 | 4-7 | 8 |
| 4 | IPS observations of heliospheric density structures associated with active regions. <i>Advances in Space Research</i> , 1996 , 17, 311-314 | 2-4 | 1 |
| 3 | Synoptic IPS and Yohkoh soft X-ray observations. <i>Geophysical Research Letters</i> , 1995 , 22, 643-646 | 4-9 | 24 |
| 2 | Robust estimation of interplanetary scintillation. <i>Monthly Notices of the Royal Astronomical Society</i> , 1992 , 254, 273-276 | 4-3 | 3 |

1 The CURSOR Radio Navigation and Tracking System. *Journal of Navigation*, **1992**, 45, 157-165

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