

Graham Woan

List of Publications by Citations

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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	The Einstein Telescope: a third-generation gravitational wave observatory. <i>Classical and Quantum Gravity</i> , 2010 , 27, 194002	3.3	675
71	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
70	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
69	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
68	Sensitivity studies for third-generation gravitational wave observatories. <i>Classical and Quantum Gravity</i> , 2011 , 28, 094013	3.3	382
67	The GEO 600 gravitational wave detector. <i>Classical and Quantum Gravity</i> , 2002 , 19, 1377-1387	3.3	260
66	Scientific objectives of Einstein Telescope. <i>Classical and Quantum Gravity</i> , 2012 , 29, 124013	3.3	256
65	The third generation of gravitational wave observatories and their science reach. <i>Classical and Quantum Gravity</i> , 2010 , 27, 084007	3.3	214
64	Characterization of transient noise in Advanced LIGO relevant to gravitational wave signal GW150914. <i>Classical and Quantum Gravity</i> , 2016 , 33,	3.3	155
63	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
62	The GEO-HF project. <i>Classical and Quantum Gravity</i> , 2006 , 23, S207-S214	3.3	121
61	Status of the GEO600 detector. <i>Classical and Quantum Gravity</i> , 2006 , 23, S71-S78	3.3	120
60	Status of GEO 600. <i>Classical and Quantum Gravity</i> , 2004 , 21, S417-S423	3.3	81
59	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
58	Searching for gravitational waves from Cassiopeia A with LIGO. <i>Classical and Quantum Gravity</i> , 2008 , 25, 235011	3.3	64
57	Bayesian estimation of pulsar parameters from gravitational wave data. <i>Physical Review D</i> , 2005 , 72,	4.9	63
56	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

55	The basic physics of the binary black hole merger GW150914. <i>Annalen Der Physik</i> , 2017 , 529, 1600209	2.6	45
54	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
53	Bayesian modeling of source confusion in LISA data. <i>Physical Review D</i> , 2005 , 72,	4.9	42
52	The Cambridge Handbook of Physics Formulas 2000 ,		41
51	Farside explorer: unique science from a mission to the farside of the moon. <i>Experimental Astronomy</i> , 2012 , 33, 529-585	1.3	38
50	A Fundamental Figure of Merit for Radio Polarimeters. <i>IEEE Transactions on Antennas and Propagation</i> , 2011 , 59, 2058-2065	4.9	38
49	Evidence for a Minimum Ellipticity in Millisecond Pulsars. <i>Astrophysical Journal Letters</i> , 2018 , 863, L40	7.9	36
48	Report on the second Mock LISA data challenge. <i>Classical and Quantum Gravity</i> , 2008 , 25, 114037	3.3	34
47	Evidence-based search method for gravitational waves from neutron star ring-downs. <i>Physical Review D</i> , 2007 , 76,	4.9	33
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	Report on the first round of the Mock LISA Data Challenges. <i>Classical and Quantum Gravity</i> , 2007 , 24, S529-S539	3.3	29
44	Robust Bayesian detection of unmodelled bursts. <i>Classical and Quantum Gravity</i> , 2008 , 25, 114038	3.3	25
43	Synoptic IPS and Yohkoh soft X-ray observations. <i>Geophysical Research Letters</i> , 1995 , 22, 643-646	4.9	24
42	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
41	Metropolis-Hastings algorithm for extracting periodic gravitational wave signals from laser interferometric detector data. <i>Physical Review D</i> , 2004 , 70,	4.9	21
40	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
39	The status of GEO 600. <i>Classical and Quantum Gravity</i> , 2005 , 22, S193-S198	3.3	20
38	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

37	PQMon: a powerful veto for burst events. <i>Classical and Quantum Gravity</i> , 2003 , 20, S895-S902	3-3	16
36	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
35	Commissioning, characterization and operation of the dual-recycled GEO 600. <i>Classical and Quantum Gravity</i> , 2004 , 21, S1737-S1745	3-3	15
34	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
33	LISA source confusion: identification and characterization of signals. <i>Classical and Quantum Gravity</i> , 2005 , 22, S901-S911	3-3	14
32	Data acquisition and detector characterization of GEO600. <i>Classical and Quantum Gravity</i> , 2002 , 19, 1399-1407	3-3	14
31	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
30	Inference on inspiral signals using LISA MLDC data. <i>Classical and Quantum Gravity</i> , 2007 , 24, S521-S527	3-3	11
29	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
28	Generalized application of the Viterbi algorithm to searches for continuous gravitational-wave signals. <i>Physical Review D</i> , 2019 , 100,	4-9	9
27	Principal component analysis for LISA: The time delay interferometry connection. <i>Physical Review D</i> , 2006 , 73,	4-9	9
26	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
25	Prospects for joint radio telescope and gravitational-wave searches for astrophysical transients. <i>Classical and Quantum Gravity</i> , 2010 , 27, 084018	3-3	8
24	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
23	The Second Cambridge Pulsar Survey At 81.5 MHz. <i>Astrophysical Journal</i> , 1998 , 509, 785-792	4-7	8
22	The astronomical low frequency array: A proposed explorer mission for radio astronomy. <i>Geophysical Monograph Series</i> , 2000 , 339-349	1-1	7
21	Robust machine learning algorithm to search for continuous gravitational waves. <i>Physical Review D</i> , 2020 , 102,	4-9	6
20	Is there potential complementarity between LISA and pulsar timing?. <i>Journal of Physics: Conference Series</i> , 2008 , 122, 012004	0-3	5

19	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
18	Detecting Gravitational Radiation from Neutron Stars using a Six-Parameter Adaptive MCMC Method. <i>AIP Conference Proceedings</i> , 2004 ,	0	5
17	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
16	Capabilities and limitations of long wavelength observations from space. <i>Geophysical Monograph Series</i> , 2000 , 267-276	1.1	5
15	Current status of gravitational wave observations. <i>General Relativity and Gravitation</i> , 2011 , 43, 387-407	2-3	4
14	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
13	A targeted spectral interpolation algorithm for the detection of continuous gravitational waves. <i>Classical and Quantum Gravity</i> , 2017 , 34, 015010	3-3	3
12	Binary system delays and timing noise in searches for gravitational waves from known pulsars. <i>Physical Review D</i> , 2007 , 76,	4-9	3
11	Robust estimation of interplanetary scintillation. <i>Monthly Notices of the Royal Astronomical Society</i> , 1992 , 254, 273-276	4-3	3
10	Status of the GEO600 gravitational wave detector 2003 ,		2
9	The status of GEO 600 2004 ,		2
8	The CURSOR Radio Navigation and Tracking System. <i>Journal of Navigation</i> , 1992 , 45, 157-165	2-3	2
7	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA 2018 , 21, 1		2
6	Gravitational astrophysics. <i>Astronomy and Geophysics</i> , 2007 , 48, 1.10-1.17	0.2	1
5	Hardware injection of simulated continuous gravitational wave signals for GEO 600. <i>Classical and Quantum Gravity</i> , 2004 , 21, S861-S865	3-3	1
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	C7 multi-messenger astronomy of GW sources. <i>General Relativity and Gravitation</i> , 2014 , 46, 1	2-3	
2	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	

1 Detector characterization in GEO 600. *Classical and Quantum Gravity*, **2003**, 20, S731-S739

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