

# Walter Del Pozzo

## List of Publications by Year in descending order

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142  
papers

34,932  
citations

15504

65  
h-index

11052

137  
g-index

145  
all docs

145  
docs citations

145  
times ranked

14179  
citing authors

#	ARTICLE	IF	CITATIONS
1	Constraints on Kerr-Newman black holes from merger-ringdown gravitational-wave observations. <i>Physical Review D</i> , 2022, 105, .	4.7	21
2	Eigenvalue repulsions in the quasinormal spectra of the Kerr-Newman black hole. <i>Physical Review D</i> , 2022, 105, .	4.7	15
3	Population inference of spin-induced quadrupole moments as a probe for nonblack hole compact binaries. <i>Physical Review D</i> , 2022, 105, .	4.7	11
4	Massive black hole binary systems and the NANOGrav 12.5 yr results. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2021, 502, L99-L103.	3.3	58
5	Quantum black hole spectroscopy: probing the quantum nature of the black hole area using LIGOâ€™s Virgo ringdown detections. <i>Classical and Quantum Gravity</i> , 2021, 38, 095005.	4.0	17
6	AT2017gfo: Bayesian inference and model selection of multicomponent kilonovae and constraints on the neutron star equation of state. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 1661-1677.	4.4	63
7	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. <i>Living Reviews in Relativity</i> , 2020, 23, 3.	26.7	447
8	Cosmic archaeology with massive stellar black hole binaries. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2020, 495, L81-L85.	3.3	14
9	Constraining black hole mimickers with gravitational wave observations. <i>Physical Review D</i> , 2020, 102, .	4.7	27
10	Observational black hole spectroscopy: A time-domain multimode analysis of GW150914. <i>Physical Review D</i> , 2019, 99, .	4.7	89
11	A Standard Siren Measurement of the Hubble Constant from GW170817 without the Electromagnetic Counterpart. <i>Astrophysical Journal Letters</i> , 2019, 871, L13.	8.3	145
12	Matter imprints in waveform models for neutron star binaries: Tidal and self-spin effects. <i>Physical Review D</i> , 2019, 99, .	4.7	144
13	Parametrized tests of the strong-field dynamics of general relativity using gravitational wave signals from coalescing binary black holes: Fast likelihood calculations and sensitivity of the method. <i>Physical Review D</i> , 2018, 97, .	4.7	40
14	Effects of data quality vetoes on a search for compact binary coalescences in Advanced LIGOâ€™s first observing run. <i>Classical and Quantum Gravity</i> , 2018, 35, 065010.	4.0	94
15	All-sky search for long-duration gravitational wave transients in the first Advanced LIGO observing run. <i>Classical and Quantum Gravity</i> , 2018, 35, 065009.	4.0	18
16	No tension between assembly models of super massive black hole binaries and pulsar observations. <i>Nature Communications</i> , 2018, 9, 573.	12.8	24
17	First Search for Nontensorial Gravitational Waves from Known Pulsars. <i>Physical Review Letters</i> , 2018, 120, 031104.	7.8	68
18	Status of the Advanced Virgo Gravitational Wave Detector. , 2018, , .		1

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19	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. <i>Living Reviews in Relativity</i> , 2018, 21, 3.	26.7	808
20	Testing general relativity using gravitational wave signals from the inspiral, merger and ringdown of binary black holes. <i>Classical and Quantum Gravity</i> , 2018, 35, 014002.	4.0	72
21	Empirical tests of the black hole no-hair conjecture using gravitational-wave observations. <i>Physical Review D</i> , 2018, 98, .	4.7	61
22	Time-domain effective-one-body gravitational waveforms for coalescing compact binaries with nonprecessing spins, tides, and self-spin effects. <i>Physical Review D</i> , 2018, 98, .	4.7	168
23	Calibration of advanced Virgo and reconstruction of the gravitational wave signal $h(t)$ ( $h(t)$ ) Tj ETQq1 1 0.784314 rgBT /Overdo	4.0	41
24	Status of Advanced Virgo. <i>EPJ Web of Conferences</i> , 2018, 182, 02003.	0.3	9
25	Constraints on cosmic strings using data from the first Advanced LIGO observing run. <i>Physical Review D</i> , 2018, 97, .	4.7	88
26	Stellar binary black holes in the LISA band: a new class of standard sirens. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 3485-3492.	4.4	47
27	Exploring the sensitivity of next generation gravitational wave detectors. <i>Classical and Quantum Gravity</i> , 2017, 34, 044001.	4.0	735
28	All-sky search for short gravitational-wave bursts in the first Advanced LIGO run. <i>Physical Review D</i> , 2017, 95, .	4.7	69
29	Effects of waveform model systematics on the interpretation of GW150914. <i>Classical and Quantum Gravity</i> , 2017, 34, 104002.	4.0	98
30	Efficient computation of the gravitational wave spectrum emitted by eccentric massive black hole binaries in stellar environments. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 470, 1738-1749.	4.4	23
31	Probing Extreme-density Matter with Gravitational-wave Observations of Binary Neutron Star Merger Remnants. <i>Astrophysical Journal Letters</i> , 2017, 842, L10.	8.3	96
32	Calibration of the Advanced LIGO detectors for the discovery of the binary black-hole merger GW150914. <i>Physical Review D</i> , 2017, 95, .	4.7	72
33	Upper Limits on the Stochastic Gravitational-Wave Background from Advanced LIGO's First Observing Run. <i>Physical Review Letters</i> , 2017, 118, 121101.	7.8	194
34	Directional Limits on Persistent Gravitational Waves from Advanced LIGO's First Observing Run. <i>Physical Review Letters</i> , 2017, 118, 121102.	7.8	84
35	First Search for Gravitational Waves from Known Pulsars with Advanced LIGO. <i>Astrophysical Journal</i> , 2017, 839, 12.	4.5	131
36	The basic physics of the binary black hole merger GW150914. <i>Annalen Der Physik</i> , 2017, 529, 1600209.	2.4	69

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37	Upper Limits on Gravitational Waves from Scorpius X-1 from a Model-based Cross-correlation Search in Advanced LIGO Data. <i>Astrophysical Journal</i> , 2017, 847, 47.	4.5	46
38	Search for intermediate mass black hole binaries in the first observing run of Advanced LIGO. <i>Physical Review D</i> , 2017, 96, .	4.7	73
39	All-sky search for periodic gravitational waves in the O1 LIGO data. <i>Physical Review D</i> , 2017, 96, .	4.7	64
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. <i>Astrophysical Journal</i> , 2017, 841, 89.	4.5	52
41	Cosmological inference using only gravitational wave observations of binary neutron stars. <i>Physical Review D</i> , 2017, 95, .	4.7	53
42	GW170104: Observation of a 50-Solar-Mass Binary Black Hole Coalescence at Redshift 0.2. <i>Physical Review Letters</i> , 2017, 118, 221101.	7.8	1,987
43	Search for continuous gravitational waves from neutron stars in globular cluster NGC 6544. <i>Physical Review D</i> , 2017, 95, .	4.7	19
44	Search for gravitational waves from Scorpius X-1 in the first Advanced LIGO observing run with a hidden Markov model. <i>Physical Review D</i> , 2017, 95, .	4.7	59
45	Analytic family of post-merger template waveforms. <i>Physical Review D</i> , 2017, 95, .	4.7	20
46	Probing the assembly history and dynamical evolution of massive black hole binaries with pulsar timing arrays. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 468, 404-417.	4.4	23
47	Status of the Advanced Virgo gravitational wave detector. <i>International Journal of Modern Physics A</i> , 2017, 32, 1744003.	1.5	6
48	First low-frequency Einstein@Home all-sky search for continuous gravitational waves in Advanced LIGO data. <i>Physical Review D</i> , 2017, 96, .	4.7	60
49	On tests of general relativity with binary radio pulsars. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2016, 462, L21-L25.	3.3	7
50	Estimating parameters of binary black holes from gravitational-wave observations of their inspiral, merger, and ringdown. <i>Physical Review D</i> , 2016, 94, .	4.7	26
51	Characterization of transient noise in Advanced LIGO relevant to gravitational wave signal GW150914. <i>Classical and Quantum Gravity</i> , 2016, 33, 134001.	4.0	225
52	SUPPLEMENT: $\alpha$ THE RATE OF BINARY BLACK HOLE MERGERS INFERRED FROM ADVANCED LIGO OBSERVATIONS SURROUNDING GW150914 (2016, <i>ApJL</i> , 833, L1). <i>Astrophysical Journal</i> , Supplement Series, 2016, 227, 14.	7.7	63
53	Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. <i>Living Reviews in Relativity</i> , 2016, 19, 1.	26.7	427
54	Improved Analysis of GW150914 Using a Fully Spin-Precessing Waveform Model. <i>Physical Review X</i> , 2016, 6, .	8.9	106

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55	Results of the deepest all-sky survey for continuous gravitational waves on LIGO S6 data running on the Einstein@Home volunteer distributed computing project. <i>Physical Review D</i> , 2016, 94, .	4.7	31
56	THE RATE OF BINARY BLACK HOLE MERGERS INFERRED FROM ADVANCED LIGO OBSERVATIONS SURROUNDING GW150914. <i>Astrophysical Journal Letters</i> , 2016, 833, L1.	8.3	230
57	Testing general relativity using golden black-hole binaries. <i>Physical Review D</i> , 2016, 94, .	4.7	80
58	LOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW150914. <i>Astrophysical Journal Letters</i> , 2016, 826, L13.	8.3	210
59	Comprehensive all-sky search for periodic gravitational waves in the sixth science run LIGO data. <i>Physical Review D</i> , 2016, 94, .	4.7	35
60	First targeted search for gravitational-wave bursts from core-collapse supernovae in data of first-generation laser interferometer detectors. <i>Physical Review D</i> , 2016, 94, .	4.7	60
61	UPPER LIMITS ON THE RATES OF BINARY NEUTRON STAR AND NEUTRON STAR+BLACK HOLE MERGERS FROM ADVANCED LIGO'S FIRST OBSERVING RUN. <i>Astrophysical Journal Letters</i> , 2016, 832, L21.	8.3	146
62	Directly comparing GW150914 with numerical solutions of Einstein's equations for binary black hole coalescence. <i>Physical Review D</i> , 2016, 94, .	4.7	102
63	All-sky search for long-duration gravitational wave transients with initial LIGO. <i>Physical Review D</i> , 2016, 93, .	4.7	29
64	Search of the Orion spur for continuous gravitational waves using a loosely coherent algorithm on data from LIGO interferometers. <i>Physical Review D</i> , 2016, 93, .	4.7	17
65	First low frequency all-sky search for continuous gravitational wave signals. <i>Physical Review D</i> , 2016, 93, .	4.7	32
66	GW150914: First results from the search for binary black hole coalescence with Advanced LIGO. <i>Physical Review D</i> , 2016, 93, .	4.7	315
67	Search for transient gravitational waves in coincidence with short-duration radio transients during 2007-2013. <i>Physical Review D</i> , 2016, 93, .	4.7	14
68	GW150914: Implications for the Stochastic Gravitational-Wave Background from Binary Black Holes. <i>Physical Review Letters</i> , 2016, 116, 131102.	7.8	269
69	GW150914: The Advanced LIGO Detectors in the Era of First Discoveries. <i>Physical Review Letters</i> , 2016, 116, 131103.	7.8	466
70	SUPPLEMENT: LOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW150914 (2016, ApJL, 826, L13). <i>Astrophysical Journal, Supplement Series</i> , 2016, 225, 8.	7.7	44
71	Observing gravitational-wave transient GW150914 with minimal assumptions. <i>Physical Review D</i> , 2016, 93, .	4.7	119
72	Tests of General Relativity with GW150914. <i>Physical Review Letters</i> , 2016, 116, 221101.	7.8	1,224

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73	Properties of the Binary Black Hole Merger GW150914. <i>Physical Review Letters</i> , 2016, 116, 241102.	7.8	673
74	GW151226: Observation of Gravitational Waves from a 22-Solar-Mass Binary Black Hole Coalescence. <i>Physical Review Letters</i> , 2016, 116, 241103.	7.8	2,701
75	Binary Black Hole Mergers in the First Advanced LIGO Observing Run. <i>Physical Review X</i> , 2016, 6, .	8.9	898
76	ASTROPHYSICAL IMPLICATIONS OF THE BINARY BLACK HOLE MERGER GW150914. <i>Astrophysical Journal Letters</i> , 2016, 818, L22.	8.3	633
77	Observation of Gravitational Waves from a Binary Black Hole Merger. <i>Physical Review Letters</i> , 2016, 116, 061102.	7.8	8,753
78	Constraining the neutron star equation of state with gravitational wave signals from coalescing binary neutron stars. <i>Physical Review D</i> , 2015, 92, .	4.7	153
79	MEASURING THE REDSHIFT OF STANDARD SIRENS USING THE NEUTRON STAR DEFORMABILITY. , 2015, , .		1
80	Regulation of the Flt3 Gene in Haematopoietic Stem and Early Progenitor Cells. <i>PLoS ONE</i> , 2015, 10, e0138257.	2.5	23
81	TESTING GENERAL RELATIVITY USING GRAVITATIONAL WAVES FROM BINARY NEUTRON STARS: EFFECT OF SPINS. , 2015, , .		1
82	Narrow-band search of continuous gravitational-wave signals from Crab and Vela pulsars in Virgo VSR4 data. <i>Physical Review D</i> , 2015, 91, .	4.7	37
83	Searching for stochastic gravitational waves using data from the two colocated LIGO Hanford detectors. <i>Physical Review D</i> , 2015, 91, .	4.7	39
84	Parameter estimation for compact binaries with ground-based gravitational-wave observations using the LALInference software library. <i>Physical Review D</i> , 2015, 91, .	4.7	674
85	Directed search for gravitational waves from Scorpius X-1 with initial LIGO data. <i>Physical Review D</i> , 2015, 91, .	4.7	47
86	Characterization of the LIGO detectors during their sixth science run. <i>Classical and Quantum Gravity</i> , 2015, 32, 115012.	4.0	1,029
87	The Advanced Virgo detector. <i>Journal of Physics: Conference Series</i> , 2015, 610, 012014.	0.4	27
88	Advanced LIGO. <i>Classical and Quantum Gravity</i> , 2015, 32, 074001.	4.0	1,929
89	SEARCHES FOR CONTINUOUS GRAVITATIONAL WAVES FROM NINE YOUNG SUPERNOVA REMNANTS. <i>Astrophysical Journal</i> , 2015, 813, 39.	4.5	66
90	Advanced Virgo: a second-generation interferometric gravitational wave detector. <i>Classical and Quantum Gravity</i> , 2015, 32, 024001.	4.0	2,530

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91	Astrophysical constraints on massive black hole binary evolution from pulsar timing arrays. Monthly Notices of the Royal Astronomical Society: Letters, 2015, 455, L72-L76.	3.3	23
92	ADVANCED VIRGO INTERFEROMETER: A SECOND GENERATION DETECTOR FOR GRAVITATIONAL WAVES OBSERVATION. , 2015, , .		0
93	Measuring the Hubble constant using gravitational waves. Journal of Physics: Conference Series, 2014, 484, 012030.	0.4	7
94	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.	4.0	10
95	FIRST SEARCHES FOR OPTICAL COUNTERPARTS TO GRAVITATIONAL-WAVE CANDIDATE EVENTS. Astrophysical Journal, Supplement Series, 2014, 211, 7.	7.7	57
96	First all-sky search for continuous gravitational waves from unknown sources in binary systems. Physical Review D, 2014, 90, .	4.7	60
97	Constraints on Cosmic Strings from the LIGO-Virgo Gravitational-Wave Detectors. Physical Review Letters, 2014, 112, 131101.	7.8	68
98	Improved Upper Limits on the Stochastic Gravitational-Wave Background from 2009â€“2010 LIGO and Virgo Data. Physical Review Letters, 2014, 113, 231101.	7.8	86
99	How serious can the stealth bias be in gravitational wave parameter estimation?. Physical Review D, 2014, 89, .	4.7	19
100	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, .	4.7	130
101	Testing general relativity with compact coalescing binaries: comparing exact and predictive methods to compute the Bayes factor. Classical and Quantum Gravity, 2014, 31, 205006.	4.0	16
102	Implementation of an $\mathcal{F}$ -statistic all-sky search for continuous gravitational waves in Virgo VSR1 data. Classical and Quantum Gravity, 2014, 31, 165014.	4.0	34
103	GRAVITATIONAL WAVES FROM KNOWN PULSARS: RESULTS FROM THE INITIAL DETECTOR ERA. Astrophysical Journal, 2014, 785, 119.	4.5	125
104	Application of a Hough search for continuous gravitational waves on data from the fifth LIGO science run. Classical and Quantum Gravity, 2014, 31, 085014.	4.0	21
105	The NINJA-2 project: detecting and characterizing gravitational waveforms modelled using numerical binary black hole simulations. Classical and Quantum Gravity, 2014, 31, 115004.	4.0	42
106	Search for gravitational wave ringdowns from perturbed intermediate mass black holes in LIGO-Virgo data from 2005â€“2010. Physical Review D, 2014, 89, .	4.7	28
107	Search for Gravitational Waves Associated with $\gamma$ -ray Bursts Detected by the Interplanetary Network. Physical Review Letters, 2014, 113, 011102.	7.8	32
108	Search for gravitational radiation from intermediate mass black hole binaries in data from the second LIGO-Virgo joint science run. Physical Review D, 2014, 89, .	4.7	35

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109	Methods and results of a search for gravitational waves associated with gamma-ray bursts using the GEO 600, LIGO, and Virgo detectors. <i>Physical Review D</i> , 2014, 89, .	4.7	29
110	Effect of calibration errors on Bayesian parameter estimation for gravitational wave signals from inspiral binary systems in the advanced detectors era: Further investigations. <i>Journal of Physics: Conference Series</i> , 2014, 484, 012026.	0.4	1
111	Search for long-lived gravitational-wave transients coincident with long gamma-ray bursts. <i>Physical Review D</i> , 2013, 88, .	4.7	31
112	Central heating radius of curvature correction (CHRoCC) for use in large scale gravitational wave interferometers. <i>Classical and Quantum Gravity</i> , 2013, 30, 055017.	4.0	11
113	Einstein@Home all-sky search for periodic gravitational waves in LIGO S5 data. <i>Physical Review D</i> , 2013, 87, .	4.7	91
114	Demonstrating the Feasibility of Probing the Neutron-Star Equation of State with Second-Generation Gravitational-Wave Detectors. <i>Physical Review Letters</i> , 2013, 111, 071101.	7.8	201
115	Parameter estimation for compact binary coalescence signals with the first generation gravitational-wave detector network. <i>Physical Review D</i> , 2013, 88, .	4.7	132
116	Directed search for continuous gravitational waves from the Galactic center. <i>Physical Review D</i> , 2013, 88, .	4.7	65
117	SWIFT FOLLOW-UP OBSERVATIONS OF CANDIDATE GRAVITATIONAL-WAVE TRANSIENT EVENTS. <i>Astrophysical Journal, Supplement Series</i> , 2012, 203, 28.	7.7	62
118	The characterization of Virgo data and its impact on gravitational-wave searches. <i>Classical and Quantum Gravity</i> , 2012, 29, 155002.	4.0	73
119	Status of the commissioning of the Virgo interferometer. , 2012, , .		1
120	Towards a generic test of the strong field dynamics of general relativity using compact binary coalescence. <i>Physical Review D</i> , 2012, 85, .	4.7	176
121	Mock data challenge for the Einstein Gravitational-Wave Telescope. <i>Physical Review D</i> , 2012, 86, .	4.7	107
122	Inference of cosmological parameters from gravitational waves: Applications to second generation interferometers. <i>Physical Review D</i> , 2012, 86, .	4.7	173
123	Noise monitor tools and their application to Virgo data. <i>Journal of Physics: Conference Series</i> , 2012, 363, 012024.	0.4	2
124	Towards a generic test of the strong field dynamics of general relativity using compact binary coalescence: Further investigations. <i>Journal of Physics: Conference Series</i> , 2012, 363, 012028.	0.4	42
125	First low-latency LIGO+Virgo search for binary inspirals and their electromagnetic counterparts. <i>Astronomy and Astrophysics</i> , 2012, 541, A155.	5.1	75
126	SEARCH FOR GRAVITATIONAL WAVES ASSOCIATED WITH GAMMA-RAY BURSTS DURING LIGO SCIENCE RUN 6 AND VIRGO SCIENCE RUNS 2 AND 3. <i>Astrophysical Journal</i> , 2012, 760, 12.	4.5	104



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127	The NoEMi (Noise Frequency Event Miner) framework. <i>Journal of Physics: Conference Series</i> , 2012, 363, 012037.	0.4	12
128	All-sky search for gravitational-wave bursts in the second joint LIGO-Virgo run. <i>Physical Review D</i> , 2012, 85, .	4.7	107
129	Search for gravitational waves from intermediate mass binary black holes. <i>Physical Review D</i> , 2012, 85, .	4.7	48
130	Upper limits on a stochastic gravitational-wave background using LIGO and Virgo interferometers at 600–1000 Hz. <i>Physical Review D</i> , 2012, 85, .	4.7	43
131	Search for gravitational waves from low mass compact binary coalescence in LIGO's sixth science run and Virgo's science runs 2 and 3. <i>Physical Review D</i> , 2012, 85, .	4.7	185
132	Effect of calibration errors on Bayesian parameter estimation for gravitational wave signals from inspiral binary systems in the advanced detectors era. <i>Physical Review D</i> , 2012, 85, .	4.7	62
133	All-sky search for periodic gravitational waves in the full S5 LIGO data. <i>Physical Review D</i> , 2012, 85, .	4.7	66
134	Virgo: a laser interferometer to detect gravitational waves. <i>Journal of Instrumentation</i> , 2012, 7, P03012-P03012.	1.2	257
135	Scientific objectives of Einstein Telescope. <i>Classical and Quantum Gravity</i> , 2012, 29, 124013.	4.0	355
136	Implementation and testing of the first prompt search for gravitational wave transients with electromagnetic counterparts. <i>Astronomy and Astrophysics</i> , 2012, 539, A124.	5.1	84
137	Testing general relativity using Bayesian model selection: Applications to observations of gravitational waves from compact binary systems. <i>Physical Review D</i> , 2011, 83, .	4.7	70
138	A state observer for the Virgo inverted pendulum. <i>Review of Scientific Instruments</i> , 2011, 82, 094502.	1.3	8
139	Status of the Virgo project. <i>Classical and Quantum Gravity</i> , 2011, 28, 114002.	4.0	171
140	Triple Michelson interferometer for a third-generation gravitational wave detector. <i>Classical and Quantum Gravity</i> , 2009, 26, 085012.	4.0	83
141	Distinct Mechanisms Regulate the Expression of <i>flt3</i> Gene in Normal and Leukaemia-Like Stem Cells.. <i>Blood</i> , 2009, 114, 4586-4586.	1.4	0
142	Dirichlet Process Gaussian-mixture model: An application to localizing coalescing binary neutron stars with gravitational-wave observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	4.4	26