

Lszl Gergely

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.

211 papers	36,024 citations	60 h-index	189 g-index
236 ext. papers	43,383 ext. citations	5.5 avg, IF	6.01 L-index

#	Paper	IF	Citations
211	Gravitational Lensing 2021 , 385-403		
210	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
209	Stability analysis of the spin evolution fixed points in inspiraling compact binaries with black hole, neutron star, gravastar, or boson star components. <i>Physical Review D</i> , 2021 , 103,	4.9	1
208	Spin and quadrupolar effects in the secular evolution of precessing compact binaries with black hole, neutron star, gravastar, or boson star components. <i>Physical Review D</i> , 2021 , 103,	4.9	1
207	GW190425: Observation of a Compact Binary Coalescence with Total Mass $\sim 3.4 M_{\odot}$. <i>Astrophysical Journal Letters</i> , 2020 , 892, L3	7.9	591
206	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
205	A Joint Fermi-GBM and LIGO/Virgo Analysis of Compact Binary Mergers from the First and Second Gravitational-wave Observing Runs. <i>Astrophysical Journal</i> , 2020 , 893, 100	4.7	9
204	Minimally coupled scalar fields as imperfect fluids. <i>Physical Review D</i> , 2020 , 102,	4.9	2
203	Optically targeted search for gravitational waves emitted by core-collapse supernovae during the first and second observing runs of advanced LIGO and advanced Virgo. <i>Physical Review D</i> , 2020 , 101,	4.9	36
202	Gravitational dynamics in a 2+1+1 decomposed spacetime along nonorthogonal double foliations: Hamiltonian evolution and gauge fixing. <i>Physical Review D</i> , 2019 , 99,	4.9	1
201	The Lanczos Equation on Light-Like Hypersurfaces in a Cosmologically Viable Class of Kinetic Gravity Braiding Theories. <i>Symmetry</i> , 2019 , 11, 616	2.7	0
200	Search for Multimessenger Sources of Gravitational Waves and High-energy Neutrinos with Advanced LIGO during Its First Observing Run, ANTARES, and IceCube. <i>Astrophysical Journal</i> , 2019 , 870, 134	4.7	23
199	First Measurement of the Hubble Constant from a Dark Standard Siren using the Dark Energy Survey Galaxies and the LIGO/Virgo Binary Black-hole Merger GW170814. <i>Astrophysical Journal Letters</i> , 2019 , 876, L7	7.9	91
198	Very long baseline interferometry radio structure and radio brightening of the high-energy neutrino emitting blazar TXS 0506+056. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2019 , 483, L42-L46	4.3	15
197	Effects of data quality vetoes on a search for compact binary coalescences in Advanced LIGO's first observing run. <i>Classical and Quantum Gravity</i> , 2018 , 35, 065010	3.3	62
196	GW170817: Implications for the Stochastic Gravitational-Wave Background from Compact Binary Coalescences. <i>Physical Review Letters</i> , 2018 , 120, 091101	7.4	120
195	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	3.3	12

194	First Search for Nontensorial Gravitational Waves from Known Pulsars. <i>Physical Review Letters</i> , 2018 , 120, 031104	7.4	50
193	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
192	Investigating the Poor Match among Different Precessing Gravitational Waveforms. <i>Universe</i> , 2018 , 4, 56	2.5	
191	Full band all-sky search for periodic gravitational waves in the O1 LIGO data. <i>Physical Review D</i> , 2018 , 97,	4.9	37
190	Constraints on cosmic strings using data from the first Advanced LIGO observing run. <i>Physical Review D</i> , 2018 , 97,	4.9	60
189	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA 2018 , 21, 1		2
188	Dark Matter as a Non-Relativistic Bose-Einstein Condensate with Massive Gravitons. <i>Symmetry</i> , 2018 , 10, 520	2.7	6
187	Light-Like Shockwaves in Scalar-Tensor Theories. <i>Universe</i> , 2018 , 4, 44	2.5	1
186	Flaring radio lanterns along the ridge line: long-term oscillatory motion in the jet of S5 1803+784. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 478, 359-370	4.3	6
185	Hamiltonian Dynamics of Doubly-Foliable Space-Times. <i>Universe</i> , 2018 , 4, 9	2.5	
184	On the High-Energy Neutrino Emission from Active Galactic Nuclei. <i>Universe</i> , 2018 , 4, 24	2.5	3
183	Precessing Black Hole Binaries and Their Gravitational Radiation. <i>Universe</i> , 2018 , 4, 40	2.5	
182	Supernova explosions of massive stars and cosmic rays. <i>Advances in Space Research</i> , 2018 , 62, 2773-2816	2.4	10
181	GW170817: Measurements of Neutron Star Radii and Equation of State. <i>Physical Review Letters</i> , 2018 , 121, 161101	7.4	867
180	Search for Tensor, Vector, and Scalar Polarizations in the Stochastic Gravitational-Wave Background. <i>Physical Review Letters</i> , 2018 , 120, 201102	7.4	60
179	Exploring the sensitivity of next generation gravitational wave detectors. <i>Classical and Quantum Gravity</i> , 2017 , 34, 044001	3.3	454
178	All-sky search for short gravitational-wave bursts in the first Advanced LIGO run. <i>Physical Review D</i> , 2017 , 95,	4.9	54
177	Effects of waveform model systematics on the interpretation of GW150914. <i>Classical and Quantum Gravity</i> , 2017 , 34, 104002	3.3	74

176	Observation of Gravitational Waves from a Binary Black Hole Merger 2017 , 291-311		27
175	A swirling jet in the quasar 1308+326. <i>Astronomy and Astrophysics</i> , 2017 , 602, A29	5.1	18
174	Calibration of the Advanced LIGO detectors for the discovery of the binary black-hole merger GW150914. <i>Physical Review D</i> , 2017 , 95,	4.9	60
173	Upper Limits on the Stochastic Gravitational-Wave Background from Advanced LIGO's First Observing Run. <i>Physical Review Letters</i> , 2017 , 118, 121101	7.4	137
172	Directional Limits on Persistent Gravitational Waves from Advanced LIGO's First Observing Run. <i>Physical Review Letters</i> , 2017 , 118, 121102	7.4	65
171	First Search for Gravitational Waves from Known Pulsars with Advanced LIGO. <i>Astrophysical Journal</i> , 2017 , 839, 12	4.7	107
170	The basic physics of the binary black hole merger GW150914. <i>Annalen Der Physik</i> , 2017 , 529, 1600209	2.6	45
169	GW170814: A Three-Detector Observation of Gravitational Waves from a Binary Black Hole Coalescence. <i>Physical Review Letters</i> , 2017 , 119, 141101	7.4	1270
168	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	4.7	35
167	A gravitational-wave standard siren measurement of the Hubble constant. <i>Nature</i> , 2017 , 551, 85-88	50.4	413
166	GW170817: Observation of Gravitational Waves from a Binary Neutron Star Inspiral. <i>Physical Review Letters</i> , 2017 , 119, 161101	7.4	4272
165	Multi-messenger Observations of a Binary Neutron Star Merger. <i>Astrophysical Journal Letters</i> , 2017 , 848, L12	7.9	1935
164	Gravitational Waves and Gamma-Rays from a Binary Neutron Star Merger: GW170817 and GRB 170817A. <i>Astrophysical Journal Letters</i> , 2017 , 848, L13	7.9	1614
163	Bose-Einstein Condensate Dark Matter Halos Confronted with Galactic Rotation Curves. <i>Advances in High Energy Physics</i> , 2017 , 2017, 1-14	1	5
162	Search for intermediate mass black hole binaries in the first observing run of Advanced LIGO. <i>Physical Review D</i> , 2017 , 96,	4.9	64
161	All-sky search for periodic gravitational waves in the O1 LIGO data. <i>Physical Review D</i> , 2017 , 96,	4.9	54
160	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
159	Search for high-energy neutrinos from gravitational wave event GW151226 and candidate LVT151012 with ANTARES and IceCube. <i>Physical Review D</i> , 2017 , 96,	4.9	32

158	Search for Post-merger Gravitational Waves from the Remnant of the Binary Neutron Star Merger GW170817. <i>Astrophysical Journal Letters</i> , 2017 , 851, L16	7.9	133
157	Estimating the Contribution of Dynamical Ejecta in the Kilonova Associated with GW170817. <i>Astrophysical Journal Letters</i> , 2017 , 850, L39	7.9	127
156	Search for High-energy Neutrinos from Binary Neutron Star Merger GW170817 with ANTARES, IceCube, and the Pierre Auger Observatory. <i>Astrophysical Journal Letters</i> , 2017 , 850, L35	7.9	104
155	GW170104: Observation of a 50-Solar-Mass Binary Black Hole Coalescence at Redshift 0.2. <i>Physical Review Letters</i> , 2017 , 118, 221101	7.4	1609
154	Search for continuous gravitational waves from neutron stars in globular cluster NGC 6544. <i>Physical Review D</i> , 2017 , 95,	4.9	14
153	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,	4.9	47
152	First narrow-band search for continuous gravitational waves from known pulsars in advanced detector data. <i>Physical Review D</i> , 2017 , 96,	4.9	39
151	First low-frequency Einstein@Home all-sky search for continuous gravitational waves in Advanced LIGO data. <i>Physical Review D</i> , 2017 , 96,	4.9	54
150	On the Progenitor of Binary Neutron Star Merger GW170817. <i>Astrophysical Journal Letters</i> , 2017 , 850, L40	7.9	50
149	GW170608: Observation of a 19 Solar-mass Binary Black Hole Coalescence. <i>Astrophysical Journal Letters</i> , 2017 , 851, L35	7.9	809
148	A flat-spectrum candidate for a track-type high-energy neutrino emission event, the case of blazar PKS 0723-008. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2017 , 466, L34-L38	4.3	11
147	Comparative testing of dark matter models with 15 HSB and 15 LSB galaxies. <i>Astronomy and Astrophysics</i> , 2017 , 608, A42	5.1	1
146	LOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW150914. <i>Astrophysical Journal Letters</i> , 2016 , 826, L13	7.9	183
145	Comprehensive all-sky search for periodic gravitational waves in the sixth science run LIGO data. <i>Physical Review D</i> , 2016 , 94,	4.9	28
144	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,	4.9	43
143	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	7.9	130
142	Directly comparing GW150914 with numerical solutions of Einstein's equations for binary black hole coalescence. <i>Physical Review D</i> , 2016 , 94,	4.9	76
141	All-sky search for long-duration gravitational wave transients with initial LIGO. <i>Physical Review D</i> , 2016 , 93,	4.9	27

140	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,	4.9	14
139	First low frequency all-sky search for continuous gravitational wave signals. <i>Physical Review D</i> , 2016 , 93,	4.9	29
138	GW150914: First results from the search for binary black hole coalescence with Advanced LIGO. <i>Physical Review D</i> , 2016 , 93,	4.9	253
137	Search for transient gravitational waves in coincidence with short-duration radio transients during 2007–2013. <i>Physical Review D</i> , 2016 , 93,	4.9	10
136	High-energy neutrino follow-up search of gravitational wave event GW150914 with ANTARES and IceCube. <i>Physical Review D</i> , 2016 , 93,	4.9	80
135	GW150914: Implications for the Stochastic Gravitational-Wave Background from Binary Black Holes. <i>Physical Review Letters</i> , 2016 , 116, 131102	7.4	188
134	GW150914: The Advanced LIGO Detectors in the Era of First Discoveries. <i>Physical Review Letters</i> , 2016 , 116, 131103	7.4	328
133	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	8	38
132	Observing gravitational-wave transient GW150914 with minimal assumptions. <i>Physical Review D</i> , 2016 , 93,	4.9	94
131	Tests of General Relativity with GW150914. <i>Physical Review Letters</i> , 2016 , 116, 221101	7.4	837
130	Properties of the Binary Black Hole Merger GW150914. <i>Physical Review Letters</i> , 2016 , 116, 241102	7.4	515
129	GW151226: Observation of Gravitational Waves from a 22-Solar-Mass Binary Black Hole Coalescence. <i>Physical Review Letters</i> , 2016 , 116, 241103	7.4	2136
128	Binary Black Hole Mergers in the First Advanced LIGO Observing Run. <i>Physical Review X</i> , 2016 , 6,	9.1	723
127	ASTROPHYSICAL IMPLICATIONS OF THE BINARY BLACK HOLE MERGER GW150914. <i>Astrophysical Journal Letters</i> , 2016 , 818, L22	7.9	512
126	Observation of Gravitational Waves from a Binary Black Hole Merger. <i>Physical Review Letters</i> , 2016 , 116, 061102	7.4	6108
125	Characterization of transient noise in Advanced LIGO relevant to gravitational wave signal GW150914. <i>Classical and Quantum Gravity</i> , 2016 , 33,	3.3	155
124	SUPPLEMENT: THE RATE OF BINARY BLACK HOLE MERGERS INFERRED FROM ADVANCED LIGO OBSERVATIONS SURROUNDING GW150914 (2016, ApJL, 833, L1). <i>Astrophysical Journal, Supplement Series</i> , 2016 , 227, 14	8	52
123	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

122	Improved Analysis of GW150914 Using a Fully Spin-Precessing Waveform Model. <i>Physical Review X</i> , 2016 , 6,	9.1	89
121	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,	4.9	29
120	THE RATE OF BINARY BLACK HOLE MERGERS INFERRED FROM ADVANCED LIGO OBSERVATIONS SURROUNDING GW150914. <i>Astrophysical Journal Letters</i> , 2016 , 833, L1	7.9	209
119	Searching for stochastic gravitational waves using data from the two colocated LIGO Hanford detectors. <i>Physical Review D</i> , 2015 , 91,	4.9	26
118	Directed search for gravitational waves from Scorpius X-1 with initial LIGO data. <i>Physical Review D</i> , 2015 , 91,	4.9	38
117	Characterization of the LIGO detectors during their sixth science run. <i>Classical and Quantum Gravity</i> , 2015 , 32, 115012	3.3	790
116	Advanced LIGO. <i>Classical and Quantum Gravity</i> , 2015 , 32, 074001	3.3	1098
115	Constraining the parameters of the putative supermassive binary black hole in PG 1302-02 from its radio structure. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 454, 1290-1296	4.3	24
114	SEARCHES FOR CONTINUOUS GRAVITATIONAL WAVES FROM NINE YOUNG SUPERNOVA REMNANTS. <i>Astrophysical Journal</i> , 2015 , 813, 39	4.7	58
113	Gravitational, shear and matter waves in Kantowski-Sachs cosmologies. <i>Journal of Cosmology and Astroparticle Physics</i> , 2015 , 2015, 042-042	6.4	7
112	Cosmological constraints on superconducting dark energy models. <i>Physical Review D</i> , 2015 , 92,	4.9	7
111	Spinning compact binary dynamics and chameleon orbits. <i>Physical Review D</i> , 2015 , 91,	4.9	7
110	Brane-world stars with a solid crust and vacuum exterior. <i>Classical and Quantum Gravity</i> , 2015 , 32, 045015,	5.3	96
109	Narrow-band search of continuous gravitational-wave signals from Crab and Vela pulsars in Virgo VSR4 data. <i>Physical Review D</i> , 2015 , 91,	4.9	32
108	GRAVITATIONAL WAVES FROM KNOWN PULSARS: RESULTS FROM THE INITIAL DETECTOR ERA. <i>Astrophysical Journal</i> , 2014 , 785, 119	4.7	109
107	Application of a Hough search for continuous gravitational waves on data from the fifth LIGO science run. <i>Classical and Quantum Gravity</i> , 2014 , 31, 085014	3.3	18
106	Effective field theory of modified gravity on the spherically symmetric background: Leading order dynamics and the odd-type perturbations. <i>Physical Review D</i> , 2014 , 90,	4.9	22
105	FIRST SEARCHES FOR OPTICAL COUNTERPARTS TO GRAVITATIONAL-WAVE CANDIDATE EVENTS. <i>Astrophysical Journal, Supplement Series</i> , 2014 , 211, 7	8	51

104	A spinning supermassive black hole binary model consistent with VLBI observations of the S5 1928+738 jet. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014 , 445, 1370-1382	4.3	33
103	Combined cosmological tests of a bivalent tachyonic dark energy scalar field model. <i>Journal of Cosmology and Astroparticle Physics</i> , 2014 , 2014, 026-026	6.4	7
102	Constraints on cosmic strings from the LIGO-Virgo gravitational-wave detectors. <i>Physical Review Letters</i> , 2014 , 112, 131101	7.4	59
101	Effective field theory of modified gravity with two scalar fields: Dark energy and dark matter. <i>Physical Review D</i> , 2014 , 89,	4.9	51
100	A single radio-emitting nucleus in the dual AGN candidate NGC 5515. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014 , 443, 1509-1514	4.3	11
99	Perturbations of Kantowski-Bachs Models with a Cosmological Constant. <i>Springer Proceedings in Mathematics and Statistics</i> , 2014 , 289-293	0.2	2
98	Gravitational Waveforms for Black Hole Binaries with Unequal Masses. <i>Springer Proceedings in Physics</i> , 2014 , 455-458	0.2	
97	Modified Gravity Theories and Dark Matter Models Tested by Galactic Rotation Curves. <i>Springer Proceedings in Physics</i> , 2014 , 427-430	0.2	
96	Soft singularity crossing and transformation of matter properties. <i>Physical Review D</i> , 2013 , 88,	4.9	30
95	Weak and strong field approximations and circular orbits of the Kehagias-Sfetsos space-time. <i>Astronomische Nachrichten</i> , 2013 , 334, 1039-1042	0.7	4
94	Constraints on supermassive black hole spins from observations of active galaxy jets. <i>Astronomische Nachrichten</i> , 2013 , 334, 1024-1027	0.7	3
93	Search for gravitational waves from binary black hole inspiral, merger, and ringdown in LIGO-Virgo data from 2009-2010. <i>Physical Review D</i> , 2013 , 87,	4.9	91
92	Search for long-lived gravitational-wave transients coincident with long gamma-ray bursts. <i>Physical Review D</i> , 2013 , 88,	4.9	30
91	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
90	A first search for coincident gravitational waves and high energy neutrinos using LIGO, Virgo and ANTARES data from 2007. <i>Journal of Cosmology and Astroparticle Physics</i> , 2013 , 2013, 008-008	6.4	29
89	Einstein@Home all-sky search for periodic gravitational waves in LIGO S5 data. <i>Physical Review D</i> , 2013 , 87,	4.9	84
88	Weak gravitational lensing by compact objects in fourth order gravity. <i>Physical Review D</i> , 2013 , 88,	4.9	6
87	Black hole tidal charge constrained by strong gravitational lensing. <i>Astronomische Nachrichten</i> , 2013 , 334, 1047-1050	0.7	6

86	Parameter estimation for compact binary coalescence signals with the first generation gravitational-wave detector network. <i>Physical Review D</i> , 2013 , 88,	4.9	122
85	Directed search for continuous gravitational waves from the Galactic center. <i>Physical Review D</i> , 2013 , 88,	4.9	57
84	Supermassive black hole mergers as dual sources for electromagnetic flares in the jet emission and gravitational waves. <i>Astronomische Nachrichten</i> , 2013 , 334, 1032-1035	0.7	1
83	All-sky search for gravitational-wave bursts in the second joint LIGO-Virgo run. <i>Physical Review D</i> , 2012 , 85,	4.9	96
82	Search for gravitational waves from intermediate mass binary black holes. <i>Physical Review D</i> , 2012 , 85,	4.9	46
81	Upper limits on a stochastic gravitational-wave background using LIGO and Virgo interferometers at 600–1000 Hz. <i>Physical Review D</i> , 2012 , 85,	4.9	40
80	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,	4.9	172
79	All-sky search for periodic gravitational waves in the full S5 LIGO data. <i>Physical Review D</i> , 2012 , 85,	4.9	61
78	Spin-dominated waveforms for unequal mass compact binaries. <i>Physical Review D</i> , 2012 , 86,	4.9	2
77	SWIFT FOLLOW-UP OBSERVATIONS OF CANDIDATE GRAVITATIONAL-WAVE TRANSIENT EVENTS. <i>Astrophysical Journal, Supplement Series</i> , 2012 , 203, 28	8	57
76	The characterization of Virgo data and its impact on gravitational-wave searches. <i>Classical and Quantum Gravity</i> , 2012 , 29, 155002	3.3	59
75	Weyl fluid dark matter model tested on the galactic scale by weak gravitational lensing. <i>Physical Review D</i> , 2012 , 86,	4.9	6
74	Paradox of soft singularity crossing and its resolution by distributional cosmological quantities. <i>Physical Review D</i> , 2012 , 86,	4.9	27
73	On the origin of X-shaped radio galaxies. <i>Research in Astronomy and Astrophysics</i> , 2012 , 12, 127-146	1.5	23
72	First low-latency LIGO+Virgo search for binary inspirals and their electromagnetic counterparts. <i>Astronomy and Astrophysics</i> , 2012 , 541, A155	5.1	69
71	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	4.7	94
70	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	71
69	Galactic rotation curves in brane world models. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011 , 415, 3275-3290	4.3	20

68	Maximal spin and energy conversion efficiency in a symbiotic system of black hole, disc and jet. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011 , 416, 991-1009	4.3	5
67	Geometro-thermodynamics of tidal charged black holes. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	14
66	Accretion processes in magnetically and tidally perturbed Schwarzschild black holes. <i>Physical Review D</i> , 2011 , 84,	4.9	2
65	Constraining Hořava-Lifshitz gravity by weak and strong gravitational lensing. <i>Physical Review D</i> , 2011 , 84,	4.9	22
64	A gravitational wave observatory operating beyond the quantum shot-noise limit. <i>Nature Physics</i> , 2011 , 7, 962-965	16.2	554
63	Covariant gravitational dynamics in 3+1+1 dimensions. <i>Classical and Quantum Gravity</i> , 2010 , 27, 105009	3.3	11
62	Supermassive black hole spin-flip during the inspiral. <i>Classical and Quantum Gravity</i> , 2010 , 27, 194009	3.3	7
61	Image formation in weak gravitational lensing by tidal charged black holes. <i>Classical and Quantum Gravity</i> , 2010 , 27, 235006	3.3	14
60	Spinning compact binary inspiral: Independent variables and dynamically preserved spin configurations. <i>Physical Review D</i> , 2010 , 81,	4.9	11
59	Will the tachyonic universe survive the big brake?. <i>Physical Review D</i> , 2010 , 82,	4.9	23
58	Spinning compact binary inspiral. II. Conservative angular dynamics. <i>Physical Review D</i> , 2010 , 82,	4.9	10
57	Recovering a spinning inspiralling compact binary waveform immersed in LIGO-like noise with spinning templates. <i>Journal of Physics: Conference Series</i> , 2010 , 228, 012003	0.3	
56	Secular momentum transport by gravitational waves from spinning compact binaries. <i>Journal of Physics: Conference Series</i> , 2010 , 228, 012053	0.3	2
55	Compact binary waveform recovery from the cross-correlated data of two detectors by matched filtering with spinning templates. <i>Journal of Physics: Conference Series</i> , 2010 , 243, 012008	0.3	
54	3+1+1 dimensional covariant gravitational dynamics on an asymmetrically embedded brane: The average equations. <i>Annalen Der Physik</i> , 2010 , 19, 249-253	2.6	6
53	ACTIVE GALACTIC NUCLEI: SOURCES FOR ULTRA HIGH ENERGY COSMIC RAYS. <i>International Journal of Modern Physics D</i> , 2009 , 18, 1577-1581	2.2	6
52	Renormalized spin coefficients in the accumulated orbital phase for unequal mass black hole binaries. <i>Classical and Quantum Gravity</i> , 2009 , 26, 204006	3.3	1
51	Active Galactic Nuclei: Sources for ultra high energy cosmic rays?. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2009 , 190, 61-78		14

50	Second-order light deflection by tidal charged black holes on the brane. <i>Classical and Quantum Gravity</i> , 2009 , 26, 145002	3.3	16
49	Evanescent branes. <i>Physical Review D</i> , 2009 , 79,	4.9	22
48	Tachyon cosmology, supernovae data, and the big brake singularity. <i>Physical Review D</i> , 2009 , 79,	4.9	31
47	Renormalized second post-Newtonian spin contributions to the accumulated orbital phase for LISA sources. <i>Physical Review D</i> , 2009 , 79,	4.9	4
46	THE SPIN-FLIP PHENOMENON IN SUPERMASSIVE BLACK HOLE BINARY MERGERS. <i>Astrophysical Journal</i> , 2009 , 697, 1621-1633	4.7	51
45	Viscous dissipative Chaplygin gas dominated homogenous and isotropic cosmological models. <i>Physical Review D</i> , 2008 , 77,	4.9	33
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