

# Li-Xin Li

## List of Publications by Year in descending order

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46  
papers

2,371  
citations

430874

18  
h-index

243625

44  
g-index

47  
all docs

47  
docs citations

47  
times ranked

3270  
citing authors

#	ARTICLE	IF	CITATIONS
1	Transient Events from Neutron Star Mergers. <i>Astrophysical Journal</i> , 1998, 507, L59-L62.	4.5	955
2	Estimating the Spin of Stellar-Mass Black Holes by Spectral Fitting of the X-Ray Continuum. <i>Astrophysical Journal</i> , 2006, 636, L113-L116.	4.5	286
3	Double-peaked Low-ionization Emission Lines in Active Galactic Nuclei. <i>Astronomical Journal</i> , 2003, 126, 1720-1749.	4.7	182
4	Star formation history up to $z = 7.4$ : implications for gamma-ray bursts and cosmic metallicity evolution. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 388, 1487-1500.	4.4	116
5	INFERRING THE INCLINATION OF A BLACK HOLE ACCRETION DISK FROM OBSERVATIONS OF ITS POLARIZED CONTINUUM RADIATION. <i>Astrophysical Journal</i> , 2009, 691, 847-865.	4.5	84
6	Can the Universe create itself?. <i>Physical Review D</i> , 1998, 58, .	4.7	69
7	Extracting Energy from a Black Hole through Its Disk. <i>Astrophysical Journal</i> , 2000, 533, L115-L118.	4.5	61
8	Extracting Energy from Accretion into a Kerr Black Hole. <i>Astrophysical Journal</i> , 2000, 534, L197-L198.	4.5	49
9	Effect of the Global Rotation of the Universe on the Formation of Galaxies. <i>General Relativity and Gravitation</i> , 1998, 30, 497-507.	2.0	48
10	Variation of the Amati relation with cosmological redshift: a selection effect or an evolution effect?. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2007, 379, L55-L59.	3.3	44
11	Self-Consistent Vacuum for Misner Space and the Chronology Protection Conjecture. <i>Physical Review Letters</i> , 1998, 80, 2980-2983.	7.8	38
12	Toy model for the Blandford-Znajek mechanism. <i>Physical Review D</i> , 2000, 61, .	4.7	38
13	Screw Instability and the Blandford-Znajek Mechanism. <i>Astrophysical Journal</i> , 2000, 531, L111-L114.	4.5	37
14	Accretion, growth of supermassive black holes, and feedback in galaxy mergers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 424, 1461-1470.	4.4	36
15	The X-ray transient 080109 in NGC 2770: an X-ray flash associated with a normal core-collapse supernova. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 388, 603-610.	4.4	34
16	Properties of radiation near the black-hole horizon and the second law of thermodynamics. <i>Physical Review D</i> , 1992, 46, 3296-3301.	4.7	30
17	Two open universes connected by a wormhole: exact solutions. <i>Journal of Geometry and Physics</i> , 2001, 40, 154-160.	1.4	23
18	Inflation in Kaluza-Klein theory: Relation between the fine-structure constant and the cosmological constant. <i>Physical Review D</i> , 1998, 58, .	4.7	22

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19	Radioactive Gamma-Ray Emissions from Neutron Star Mergers. <i>Astrophysical Journal</i> , 2019, 872, 19.	4.5	19
20	Must time machines be unstable against vacuum fluctuations?. <i>Classical and Quantum Gravity</i> , 1996, 13, 2563-2568.	4.0	16
21	Time machines constructed from anti-de Sitter space. <i>Physical Review D</i> , 1999, 59, .	4.7	16
22	Investigating the multifrequency pulse profiles of PSRs B0329+54 and B1642-03 in an inverse Compton scattering model. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 468, 4389-4398.	4.4	14
23	Complex geometry, quantum tunneling, and time machines. <i>Physical Review D</i> , 1993, 48, 4735-4737.	4.7	13
24	Toy model for the magnetic connection between a black hole and a disk. <i>Physical Review D</i> , 2002, 65, .	4.7	13
25	Gamma-ray burst precursors as the remnant of the thermal radiation initially trapped in the fireball. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 380, 621-636.	4.4	13
26	Extracting Energy from a Black Hole through the Transition Region. <i>Astrophysical Journal</i> , 2000, 540, L17-L20.	4.5	13
27	Evolution of magnetic fields around a Kerr black hole. <i>Physical Review D</i> , 2003, 67, .	4.7	12
28	New light on time machines: Against the chronology protection conjecture. <i>Physical Review D</i> , 1994, 50, R6037-R6040.	4.7	11
29	Gamma-Ray Emission Produced by r-process Elements from Neutron Star Mergers. <i>Astrophysical Journal</i> , 2021, 919, 59.	4.5	11
30	Line Expansion Opacity in Relativistically Expanding Media. <i>Astrophysical Journal</i> , 2019, 887, 60.	4.5	10
31	Probability for chance coincidence of a gamma-ray burst with a galaxy on the sky. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 391, 935-941.	4.4	9
32	Energetics of a Black Hole-Accretion Disk System with Magnetic Connection: Limit of Low Accretion Rate. <i>Publication of the Astronomical Society of Japan</i> , 2004, 56, 685-703.	2.5	6
33	A new unified theory of electromagnetic and gravitational interactions. <i>Frontiers of Physics</i> , 2016, 11, 1.	5.0	6
34	Back-reaction of the Kerr black hole. A thermodynamical approach. <i>General Relativity and Gravitation</i> , 1996, 28, 1171-1175.	2.0	5
35	Electrodynamics on cosmological scales. <i>General Relativity and Gravitation</i> , 2016, 48, 1.	2.0	5
36	Disk accretion flow driven by large-scale magnetic fields: Solutions with constant specific energy. <i>Physical Review D</i> , 2003, 68, .	4.7	4

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37	A disc-corona model for a rotating black hole. Monthly Notices of the Royal Astronomical Society, 2012, 420, 1415-1422.	4.4	4
38	Simulating kilonovae in the $\Lambda$ CDM universe. Monthly Notices of the Royal Astronomical Society, 2020, 498, 926-939.	4.4	4
39	Can the vacuum foam structure solve the flatness problem of a big bang universe?. Physical Review D, 1995, 52, 4752-4753.	4.7	3
40	VACUUM POLARIZATION IN AN ANTI-DE SITTER SPACE AS AN ORIGIN FOR A COSMOLOGICAL CONSTANT IN A BRANE WORLD. Modern Physics Letters A, 2005, 20, 733-743.	1.2	3
41	Instability of anti-de Sitter spacetime. Physical Review D, 1994, 50, 4886-4889.	4.7	2
42	Electromagnetic energy for a charged Kerr black hole in a uniform magnetic field. Physical Review D, 2000, 61, .	4.7	2
43	The GRB-Supernova Connection. , 2008, , .		2
44	Photon diffusion in a relativistically expanding sphere. Frontiers of Physics, 2013, 8, 555-563.	5.0	2
45	Thermodynamic Properties of Radiation near the Black-Hole Horizon. General Relativity and Gravitation, 1997, 29, 973-989.	2.0	0
46	Electromagnetic force on a brane. Classical and Quantum Gravity, 2016, 33, 225008.	4.0	0