

# Luigi Stella

## List of Publications by Year in descending order

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75  
papers

10,867  
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71102

41  
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82547

72  
g-index

75  
all docs

75  
docs citations

75  
times ranked

6144  
citing authors

#	ARTICLE	IF	CITATIONS
1	Millisecond Magnetars. <i>Astrophysics and Space Science Library</i> , 2022, , 245-280.	2.7	5
2	X-Ray and Radio Bursts from the Magnetar 1E 1547.0â€“5408. <i>Astrophysical Journal</i> , 2021, 907, 7.	4.5	9
3	Optical and ultraviolet pulsed emission from an accreting millisecond pulsar. <i>Nature Astronomy</i> , 2021, 5, 552-559.	10.1	15
4	Exploring higher order images with Fe $K\alpha$ -lines from relativistic discs: black hole spin determination and bias. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 3424-3434.	4.4	5
5	Diffuse X-ray emission around an ultraluminous X-ray pulsar. <i>Nature Astronomy</i> , 2020, 4, 147-152.	10.1	16
6	Neutron Star Radius-to-mass Ratio from Partial Accretion Disk Occultation as Measured through Fe $K\alpha$ Line Profiles. <i>Astrophysical Journal</i> , 2020, 893, 129.	4.5	2
7	A Very Young Radio-loud Magnetar. <i>Astrophysical Journal Letters</i> , 2020, 896, L30.	8.3	36
8	The Ultraluminous X-Ray Sources Population of the Galaxy NGC 7456. <i>Astrophysical Journal</i> , 2020, 890, 166.	4.5	13
9	Discovery of a 2.8 s Pulsar in a 2 Day Orbit High-mass X-Ray Binary Powering the Ultraluminous X-Ray Source ULX-7 in M51. <i>Astrophysical Journal</i> , 2020, 895, 60.	4.5	106
10	The X-Ray Outburst of the Galactic Center Magnetar over Six Years of Chandra Observations. <i>Astrophysical Journal</i> , 2020, 894, 159.	4.5	8
11	A New Method to Constrain Neutron Star Structure from Quasi-periodic Oscillations. <i>Astrophysical Journal</i> , 2020, 899, 139.	4.5	17
12	Pulsating in Unison at Optical and X-Ray Energies: Simultaneous High Time Resolution Observations of the Transitional Millisecond Pulsar PSR J1023+0038. <i>Astrophysical Journal</i> , 2019, 882, 104.	4.5	39
13	A New Approximation of Photon Geodesics in Schwarzschild Spacetime. <i>Research Notes of the AAS</i> , 2019, 3, 99.	0.7	7
14	Discovery of a 3 s Spinning Neutron Star in a 4.15 hr Orbit in the Brightest Hard X-Ray Source in M31. <i>Astrophysical Journal Letters</i> , 2018, 861, L26.	8.3	4
15	Magnetospheric radius of an inclined rotator in the magnetically threaded disk model. <i>Astronomy and Astrophysics</i> , 2018, 617, A126.	5.1	23
16	Probing the Strong (Stationary) Gravitational Field of Accreting Black Holes with X-ray Observations. <i>Foundations of Physics</i> , 2018, 48, 1500-1516.	1.3	0
17	A universal relation for the propeller mechanisms in magnetic rotating stars at different scales. <i>Astronomy and Astrophysics</i> , 2018, 610, A46.	5.1	38
18	The First Continuous Optical Monitoring of the Transitional Millisecond Pulsar PSR J1023+0038 with Kepler. <i>Astrophysical Journal Letters</i> , 2018, 858, L12.	8.3	17

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19	An accreting pulsar with extreme properties drives an ultraluminous x-ray source in NGC 5907. <i>Science</i> , 2017, 355, 817-819.	12.6	321
20	Optical pulsations from a transitional millisecond pulsar. <i>Nature Astronomy</i> , 2017, 1, 854-858.	10.1	67
21	Discovery of a 0.42-s pulsar in the ultraluminous X-ray source NGC 7793 P13. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2017, 466, L48-L52.	3.3	257
22	Pulsator-like Spectra from Ultraluminous X-Ray Sources and the Search for More Ultraluminous Pulsars. <i>Astrophysical Journal</i> , 2017, 836, 113.	4.5	82
23	Geodesic Models of Quasi-periodic-oscillations as Probes of Quadratic Gravity. <i>Astrophysical Journal</i> , 2017, 843, 25.	4.5	40
24	eXTP: Enhanced X-ray Timing and Polarization mission. <i>Proceedings of SPIE</i> , 2016, , .	0.8	106
25	Approximate analytical calculations of photon geodesics in the Schwarzschild metric. <i>Astronomy and Astrophysics</i> , 2016, 595, A38.	5.1	23
26	Large Observatory for x-ray Timing (LOFT-P): a Probe-class mission concept study. <i>Proceedings of SPIE</i> , 2016, , .	0.8	4
27	Colloquium: Measuring the neutron star equation of state using x-ray timing. <i>Reviews of Modern Physics</i> , 2016, 88, .	45.6	234
28	The LOFT mission concept: a status update. <i>Proceedings of SPIE</i> , 2016, , .	0.8	9
29	The accretion regimes of a highly magnetized NS: the unique case of NuSTAR J095551+6940.8. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 457, 3076-3083.	4.4	20
30	NuSTAR J095551+6940.8: a highly magnetized neutron star with super-Eddington mass accretion. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 449, 2144-2150.	4.4	62
31	The X-ray outburst of the Galactic Centre magnetar SGR 1745-2900 during the first 1.5 year. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 449, 2685-2699.	4.4	45
32	TESTING GRAVITY WITH QUASI-PERIODIC OSCILLATIONS FROM ACCRETING BLACK HOLES: THE CASE OF THE EINSTEIN-DILATON-GAUSS-BONNET THEORY. <i>Astrophysical Journal</i> , 2015, 801, 115.	4.5	63
33	Black hole spin measurements through the relativistic precession model: XTE J1550-564. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2014, 439, L65-L69.	3.3	77
34	Precise mass and spin measurements for a stellar-mass black hole through X-ray timing: the case of GRO J1655-40. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 437, 2554-2565.	4.4	165
35	A phase-variable absorption feature in the X-ray spectrum of the magnetar SGR 0418+5729. <i>Astronomische Nachrichten</i> , 2014, 335, 274-279.	1.2	2
36	The Large Observatory for x-ray timing. <i>Proceedings of SPIE</i> , 2014, , .	0.8	10

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37	Fast Variability from Black-Hole Binaries. <i>Space Science Reviews</i> , 2014, 183, 43-60.	8.1	66
38	Hiccup accretion in the swinging pulsar IGR J18245-2452. <i>Astronomy and Astrophysics</i> , 2014, 567, A77.	5.1	46
39	A variable absorption feature in the X-ray spectrum of a magnetar. <i>Nature</i> , 2013, 500, 312-314.	27.8	157
40	Swings between rotation and accretion power in a binary millisecond pulsar. <i>Nature</i> , 2013, 501, 517-520.	27.8	355
41	A STRONGLY MAGNETIZED PULSAR WITHIN THE GRASP OF THE MILKY WAY'S SUPERMASSIVE BLACK HOLE. <i>Astrophysical Journal Letters</i> , 2013, 775, L34.	8.3	96
42	THE OUTBURST DECAY OF THE LOW MAGNETIC FIELD MAGNETAR SGR 0418+5729. <i>Astrophysical Journal</i> , 2013, 770, 65.	4.5	109
43	Observing GRBs with the LOFT Wide Field Monitor. <i>EAS Publications Series</i> , 2013, 61, 617-623.	0.3	0
44	XMM-Newton and Swift observations of XTE J1743-363. <i>Astronomy and Astrophysics</i> , 2013, 556, A30.	5.1	18
45	A NEW LOW MAGNETIC FIELD MAGNETAR: THE 2011 OUTBURST OF SWIFT J1822.3-1606. <i>Astrophysical Journal</i> , 2012, 754, 27.	4.5	116
46	The Large Observatory for X-ray Timing (LOFT). <i>Experimental Astronomy</i> , 2012, 34, 415-444.	3.7	168
47	The pulse profile and spin evolution of the accreting pulsar in Terzan 5, IGR J17480-2446, during its 2010 outburst. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 423, 1178-1193.	4.4	16
48	Multi-instrument X-ray monitoring of the January 2009 outburst from the recurrent magnetar candidate 1E 1547.0-5408. <i>Astronomy and Astrophysics</i> , 2011, 529, A19.	5.1	41
49	LOFT: a large observatory for x-ray timing. <i>Proceedings of SPIE</i> , 2010, , .	0.8	9
50	LOW-FREQUENCY OSCILLATIONS IN XTE J1550-564. <i>Astrophysical Journal</i> , 2010, 714, 1065-1071.	4.5	30
51	The 2008 October Swift detection of X-ray bursts/outburst from the transient SGR-like AXP 1E 1547.0-5408. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 408, 1387-1395.	4.4	46
52	THE DUST-SCATTERING X-RAY RINGS OF THE ANOMALOUS X-RAY PULSAR 1E 1547.0-5408. <i>Astrophysical Journal</i> , 2010, 710, 227-235.	4.5	87
53	A Low-Magnetic-Field Soft Gamma Repeater. <i>Science</i> , 2010, 330, 944-946.	12.6	258
54	The first outburst of the new magnetar candidate SGR J0501+4516. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 396, 2419-2432.	4.4	90

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55	Can disk-magnetosphere interaction models and beat frequency models for quasi-periodic oscillation in accreting X-ray pulsars be reconciled?. <i>Astronomy and Astrophysics</i> , 2009, 493, 809-818.	5.1	41
56	The ABC of Low-Frequency Quasi-Periodic Oscillations in Black Hole Candidates: Analogies with Z Sources. <i>Astrophysical Journal</i> , 2005, 629, 403-407.	4.5	285
57	The Discovery of Rapid X-Ray Oscillations in the Tail of the SGR 1806-20 Hyperflare. <i>Astrophysical Journal</i> , 2005, 628, L53-L56.	4.5	274
58	The Swift Gamma-Ray Burst Mission. <i>Astrophysical Journal</i> , 2004, 611, 1005-1020.	4.5	3,117
59	A study of the low-frequency quasi-periodic oscillations in the X-ray light curves of the black hole candidate XTE J1859+226. <i>Astronomy and Astrophysics</i> , 2004, 426, 587-600.	5.1	169
60	The Glitches of the Anomalous X-Ray Pulsar 1RXS J170849.0-400910. <i>Astrophysical Journal</i> , 2003, 599, 485-497.	4.5	90
61	The Quiescent X-Ray Emission of Three Transient X-Ray Pulsars. <i>Astrophysical Journal</i> , 2002, 580, 389-393.	4.5	72
62	The Transient X-Ray Pulsar 4U 0115+63 from Quiescence to Outburst through the Centrifugal Transition. <i>Astrophysical Journal</i> , 2001, 561, 924-929.	4.5	63
63	Where May Ultrafast Rotating Neutron Stars Be Hidden?. <i>Astrophysical Journal</i> , 2001, 560, L71-L74.	4.5	90
64	The Discovery of Quiescent X-Ray Emission from SAX J1808.4-3658, the Transient 2.5 Millisecond Pulsar. <i>Astrophysical Journal</i> , 2000, 537, L115-L118.	4.5	31
65	On the Bolometric Quiescent Luminosity and Luminosity Swing of Black Hole Candidate and Neutron Star Low-Mass X-Ray Transients. <i>Astrophysical Journal</i> , 2000, 541, 849-859.	4.5	70
66	kHz Quasiperiodic Oscillations in Low-Mass X-Ray Binaries as Probes of General Relativity in the Strong-Field Regime. <i>Physical Review Letters</i> , 1999, 82, 17-20.	7.8	321
67	Relativistic Precession around Rotating Neutron Stars: Effects Due to Frame Dragging and Stellar Oblateness. <i>Astrophysical Journal</i> , 1999, 513, 827-844.	4.5	75
68	Correlations in the Quasi-periodic Oscillation Frequencies of Low-Mass X-Ray Binaries and the Relativistic Precession Model. <i>Astrophysical Journal</i> , 1999, 524, L63-L66.	4.5	341
69	Lense-Thirring Precession and Quasi-periodic Oscillations in Low-Mass X-Ray Binaries. <i>Astrophysical Journal</i> , 1998, 492, L59-L62.	4.5	504
70	A New Technique for the Detection of Periodic Signals in "Colored" Power Spectra. <i>Astrophysical Journal</i> , 1996, 468, 369.	4.5	96
71	Measuring black hole mass through variable line profiles from accretion disks. <i>Nature</i> , 1990, 344, 747-749.	27.8	100
72	X-ray fluorescence from the inner disc in Cygnus X-1. <i>Monthly Notices of the Royal Astronomical Society</i> , 1989, 238, 729-736.	4.4	1,155

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73	The radius of a magnetosphere in the radiation pressure dominated region of an accretion disc. Monthly Notices of the Royal Astronomical Society, 1988, 231, 325-331.	4.4	16
74	Intermittent stellar wind accretion and the long-term activity of Population I binary systems containing an X-ray pulsar. Astrophysical Journal, 1986, 308, 669.	4.5	300
75	UV and X-ray pulse amplitude variability in the transitional millisecond pulsar PSR J1023+0038. Astronomy and Astrophysics, 0, , .	5.1	2