

Elena Maria Maria Rossi

List of Publications by Year in descending order

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85
papers

3,978
citations

136885

32
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118793

62
g-index

86
all docs

86
docs citations

86
times ranked

3684
citing authors

#	ARTICLE	IF	CITATIONS
1	Galactic potential constraints from clustering in action space of combined stellar stream data. Monthly Notices of the Royal Astronomical Society, 2021, 502, 4170-4193.	1.6	18
2	The Process of Stellar Tidal Disruption by Supermassive Black Holes. Space Science Reviews, 2021, 217, 1.	3.7	16
3	Editorial to the Topical Collection: The Tidal Disruption of Stars by Massive Black Holes. Space Science Reviews, 2021, 217, 1.	3.7	0
4	Comparing hypervelocity star populations from the Large Magellanic Cloud and the Milky Way. Monthly Notices of the Royal Astronomical Society, 2021, 507, 4997-5012.	1.6	8
5	Radiative Emission Mechanisms. Space Science Reviews, 2020, 216, 1.	3.7	25
6	The gravitational wave background signal from tidal disruption events. Monthly Notices of the Royal Astronomical Society, 2020, 498, 507-516.	1.6	9
7	Core-collapse supernovae in binaries as the origin of galactic hyper-runaway stars. Monthly Notices of the Royal Astronomical Society, 2020, 497, 5344-5363.	1.6	24
8	Populations of double white dwarfs in Milky Way satellites and their detectability with LISA. Astronomy and Astrophysics, 2020, 638, A153.	2.1	42
9	Rates of Stellar Tidal Disruption. Space Science Reviews, 2020, 216, 1.	3.7	60
10	On the eccentricity evolution of massive black hole binaries in stellar backgrounds. Monthly Notices of the Royal Astronomical Society: Letters, 2020, 493, L114-L119.	1.2	17
11	The Milky Way's bar structural properties from gravitational waves. Monthly Notices of the Royal Astronomical Society, 2020, 500, 4958-4971.	1.6	11
12	On measuring the Galactic dark matter halo with hypervelocity stars. Monthly Notices of the Royal Astronomical Society, 2019, 487, 4025-4036.	1.6	17
13	The hierarchical assembly of galaxies and black holes in the first billion years: predictions for the era of gravitational wave astronomy. Monthly Notices of the Royal Astronomical Society, 2019, 486, 2336-2350.	1.6	57
14	Black holes, gravitational waves and fundamental physics: a roadmap. Classical and Quantum Gravity, 2019, 36, 143001.	1.5	451
15	Hypervelocity Stars from a Supermassive Black Hole's Intermediate-mass Black Hole Binary. Astrophysical Journal, 2019, 878, 17.	1.6	22
16	Streams collision as possible precursor of double tidal disruption events. Monthly Notices of the Royal Astronomical Society, 2019, 484, 1301-1316.	1.6	7
17	Discovering intermediate massive black holes through tidally disrupted stars. International Journal of Modern Physics D, 2019, 28, 1944015.	0.9	0
18	Circumbinary exoplanets and brown dwarfs with the Laser Interferometer Space Antenna. Astronomy and Astrophysics, 2019, 632, A113.	2.1	19

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19	Observatory science with eXTP. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019, 62, 1.	2.0	50
20	A multimessenger study of the Milky Way's stellar disc and bulge with LISA, <i>Gaia</i> , and LSST. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 483, 5518-5533.	1.6	49
21	<i>Gaia</i> DR2 in 6D: searching for the fastest stars in the Galaxy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 157-171.	1.6	63
22	LISA verification binaries with updated distances from <i>Gaia</i> Data Release 2. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 302-309.	1.6	126
23	Predicting the hypervelocity star population in <i>Gaia</i> . <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 476, 4697-4712.	1.6	31
24	Detectability of Double White Dwarfs in the Local Group with LISA. <i>Astrophysical Journal Letters</i> , 2018, 866, L20.	3.0	39
25	Tidal disruption of inclined or eccentric binaries by massive black holes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 477, 5682-5691.	1.6	7
26	Long-term stream evolution in tidal disruption events. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 464, 2816-2830.	1.6	61
27	Paving the way to simultaneous multi-wavelength astronomy. <i>New Astronomy Reviews</i> , 2017, 79, 26-48.	5.2	11
28	An artificial neural network to discover hypervelocity stars: candidates in <i>Gaia</i> DR1/TGAS. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 470, 1388-1403.	1.6	23
29	Magnetic field evolution in tidal disruption events. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, 4879-4888.	1.6	35
30	Prospects for detection of detached double white dwarf binaries with <i>Gaia</i> , LSST and LISA. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 470, 1894-1910.	1.6	143
31	Hypervelocity star candidates in <i>Gaia</i> DR1/TGAS. <i>Proceedings of the International Astronomical Union</i> , 2017, 12, 181-184.	0.0	0
32	Supermassive black hole seeds: updates on the "quasi-star model". <i>Journal of Physics: Conference Series</i> , 2017, 840, 012027.	0.3	0
33	Light or heavy supermassive black hole seeds: the role of internal rotation in the fate of supermassive stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 464, 2259-2269.	1.6	9
34	eXTP: Enhanced X-ray Timing and Polarization mission. <i>Proceedings of SPIE</i> , 2016, , .	0.8	106
35	Bad prospects for the detection of giant stars' tidal disruption: effect of the ambient medium on bound debris. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 458, 3324-3330.	1.6	27
36	The LOFT mission concept: a status update. <i>Proceedings of SPIE</i> , 2016, , .	0.8	9

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37	The contribution of young core-collapse supernova remnants to the X-ray emission near quiescent supermassive black holes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 456, 2537-2549.	1.6	3
38	Simulations of stripped core-collapse supernovae in close binaries. <i>Computational Astrophysics and Cosmology</i> , 2016, 3, .	22.7	20
39	Disc formation from tidal disruptions of stars on eccentric orbits by Schwarzschild black holes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 455, 2253-2266.	1.6	159
40	Bright vigorous winds as signposts of supermassive black hole birth. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 455, 2-16.	1.6	17
41	The fate of supernova remnants near quiescent supermassive black holes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 447, 3096-3114.	1.6	11
42	Recent developments in the theory of tidal disruption events. <i>Journal of High Energy Astrophysics</i> , 2015, 7, 158-162.	2.4	17
43	RADIOâ€“X-RAY SYNERGY TO DISCOVER AND STUDY JETTED TIDAL DISRUPTION EVENTS. <i>Astrophysical Journal</i> , 2015, 803, 36.	1.6	9
44	Constraining white dwarf viscosity through tidal heating in detached binary systems. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 443, 1057-1064.	1.6	10
45	The Large Observatory for x-ray timing. <i>Proceedings of SPIE</i> , 2014, , .	0.8	10
46	THE VELOCITY DISTRIBUTION OF HYPERVELOCITY STARS. <i>Astrophysical Journal</i> , 2014, 795, 125.	1.6	37
47	LINKING THE SPIN EVOLUTION OF MASSIVE BLACK HOLES TO GALAXY KINEMATICS. <i>Astrophysical Journal</i> , 2014, 794, 104.	1.6	138
48	Exploring Gaia potential to detect HVSs. <i>EAS Publications Series</i> , 2014, 67-68, 251-254.	0.3	0
49	Tidal torque induced by orbital decay in compact object binaries. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 428, 518-531.	1.6	8
50	EJECTION AND CAPTURE DYNAMICS IN RESTRICTED THREE-BODY ENCOUNTERS. <i>Astrophysical Journal</i> , 2012, 748, 105.	1.6	30
51	LOFT: the Large Observatory For X-ray Timing. <i>Proceedings of SPIE</i> , 2012, , .	0.8	29
52	High-redshift formation and evolution of central massive objects - II. The census of BH seeds. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 421, 1465-1475.	1.6	85
53	Multiband light curves of tidal disruption events. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 410, 359-367.	1.6	245
54	A lower limit on the halo mass to form supermassive black holes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 417, 3035-3046.	1.6	19

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55	The unusual gamma-ray burst GRB 101225A explained as a minor body falling onto a neutron star. <i>Nature</i> , 2011, 480, 69-71.	13.7	51
56	HYPERVELOCITY STARS AND THE RESTRICTED PARABOLIC THREE-BODY PROBLEM. <i>Astrophysical Journal</i> , 2010, 708, 605-614.	1.6	76
57	Black hole mergers: the first light. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 401, 2021-2035.	1.6	66
58	Delayed X-ray emission from fallback in compact-object mergers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 392, 1451-1455.	1.6	39
59	Quasi-stars: accreting black holes inside massive envelopes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 387, 1649-1659.	1.6	128
60	The complex light curve of the afterglow of GRB071010A. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 388, 347-356.	1.6	44
61	Orphan afterglows in the Universal structured jet model for γ -ray bursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 390, 675-682.	1.6	24
62	Microphysical dissipation, turbulence and magnetic fields in hyper-accreting discs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 391, 922-934.	1.6	13
63	Predictions for afterglows detected in surveys in the Universal Structured Jet Model. <i>AIP Conference Proceedings</i> , 2008, , .	0.3	0
64	One year of in-orbit operation of the AGILE Payload. , 2008, , .		1
65	The AGILE Mission and Gamma-Ray Bursts. <i>AIP Conference Proceedings</i> , 2007, , .	0.3	1
66	Vertical structure of hyper-accreting disks and consequences for gamma-ray burst outflows. <i>Astrophysics and Space Science</i> , 2007, 311, 185-190.	0.5	7
67	Properties of X-ray rich gamma ray bursts and X-ray flashes detected with BeppoSAX and HETE-2. <i>Astronomy and Astrophysics</i> , 2006, 460, 653-664.	2.1	26
68	Neutron-loaded outflows in gamma-ray bursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 369, 1797-1807.	1.6	38
69	The redshift distribution of Swift gamma-ray bursts: evidence for evolution. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 372, 1034-1042.	1.6	121
70	The redshift distribution of long gamma-ray bursts. <i>AIP Conference Proceedings</i> , 2006, , .	0.3	0
71	AGILE and Gamma-Ray Bursts. <i>AIP Conference Proceedings</i> , 2006, , .	0.3	0
72	Gamma-Ray Bursts and Afterglow Polarisation. <i>AIP Conference Proceedings</i> , 2005, , .	0.3	3

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73	Heating and Deceleration of GRB Fireballs by Neutron Decay. AIP Conference Proceedings, 2004, , .	0.3	0
74	Comparison of Three Afterglow Morphologies. AIP Conference Proceedings, 2004, , .	0.3	0
75	The X-ray Afterglow of GRB030329 at Early and Late Times. AIP Conference Proceedings, 2004, , .	0.3	1
76	Compton drag as a mechanism for very high linear polarization in gamma-ray bursts. Monthly Notices of the Royal Astronomical Society, 2004, 347, L1-L5.	1.6	83
77	The polarization of afterglow emission reveals $\hat{\Gamma}^3$ -ray bursts jet structure. Monthly Notices of the Royal Astronomical Society, 2004, 354, 86-100.	1.6	120
78	On the jet structure and magnetic field configuration of GRB \hat{A} 020813. Astronomy and Astrophysics, 2004, 422, 121-128.	2.1	37
79	Gamma-ray burst afterglow emission with a decaying magnetic field. Monthly Notices of the Royal Astronomical Society, 2003, 339, 881-886.	1.6	46
80	Afterglow Lightcurves, Viewing Angle and the Jet Structure of Gamma-Ray Bursts. AIP Conference Proceedings, 2003, , .	0.3	0
81	The X-ray afterglow of GRB 030329. Astronomy and Astrophysics, 2003, 409, 983-987.	2.1	43
82	The afterglow of GRB \hat{A} 021004: Surfing on density waves. Astronomy and Astrophysics, 2002, 396, L5-L9.	2.1	166
83	Afterglow light curves, viewing angle and the jet structure of \hat{A} -ray bursts. Monthly Notices of the Royal Astronomical Society, 2002, 332, 945-950.	1.6	347
84	Emission lines in GRBs constrain the total energy reservoir. Astronomy and Astrophysics, 2002, 389, L33-L36.	2.1	30
85	Joint constraints on the Galactic dark matter halo and GC from hypervelocity stars. Monthly Notices of the Royal Astronomical Society, 0, , stx098.	1.6	27