

Alessia Gualandris

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

2,388
citations

186265
28
h-index

206112
48
g-index

51
all docs

51
docs citations

51
times ranked

1863
citing authors

#	ARTICLE	IF	CITATIONS
1	Eccentricity evolution of massive black hole binaries from formation to coalescence. Monthly Notices of the Royal Astronomical Society, 2022, 511, 4753-4765.	4.4	13
2	Formation of the largest galactic cores through binary scouring and gravitational wave recoil. Monthly Notices of the Royal Astronomical Society, 2021, 502, 4794-4814.	4.4	14
3	Defeating stochasticity: coalescence time-scales of massive black holes in galaxy mergers. Monthly Notices of the Royal Astronomical Society, 2020, 497, 739-746.	4.4	17
4	On the Origin of a Rotating Metal-poor Stellar Population in the Milky Way Nuclear Cluster. Astrophysical Journal Letters, 2020, 901, L29.	8.3	23
5	Revealing the Formation of the Milky Way Nuclear Star Cluster via Chemo-dynamical Modeling. Astrophysical Journal Letters, 2020, 901, L28.	8.3	21
6	Hypervelocity stars from star clusters hosting intermediate-mass black holes. Monthly Notices of the Royal Astronomical Society, 2019, 489, 4543-4556.	4.4	16
7	Black hole growth through hierarchical black hole mergers in dense star clusters: implications for gravitational wave detections. Monthly Notices of the Royal Astronomical Society, 2019, 486, 5008-5021.	4.4	143
8	Star formation at the Galactic Centre: coevolution of multiple young stellar discs. Monthly Notices of the Royal Astronomical Society, 2019, 490, 5820-5831.	4.4	16
9	A hypervelocity star with a Magellanic origin. Monthly Notices of the Royal Astronomical Society, 2019, 483, 2007-2013.	4.4	50
10	Tidal breakup of triple stars in the Galactic Centre. Monthly Notices of the Royal Astronomical Society, 2018, 475, 4986-4993.	4.4	19
11	Probing dark matter with star clusters: a dark matter core in the ultra-faint dwarf Eridanus II. Monthly Notices of the Royal Astronomical Society, 2018, 476, 3124-3136.	4.4	35
12	Gravitational wave sources from inspiralling globular clusters in the Galactic Centre and similar environments. Monthly Notices of the Royal Astronomical Society, 2018, 477, 4423-4442.	4.4	84
13	Concurrent formation of supermassive stars and globular clusters: implications for early self-enrichment. Monthly Notices of the Royal Astronomical Society, 2018, 478, 2461-2479.	4.4	134
14	Collisionless loss-cone refilling: there is no final parsec problem. Monthly Notices of the Royal Astronomical Society, 2017, 464, 2301-2310.	4.4	57
15	A stellar-mass black hole population in the globular cluster NGC 6101?. Monthly Notices of the Royal Astronomical Society, 2016, 462, 2333-2342.	4.4	63
16	Star Formation and Dynamics in the Galactic Centre. Lecture Notes in Physics, 2016, , 205-272.	0.7	14
17	Milking the spherical cow " on aspherical dynamics in spherical coordinates. Monthly Notices of the Royal Astronomical Society, 2015, 451, 1366-1379.	4.4	29
18	Perturbations induced by a molecular cloud on the young stellar disc in the Galactic Centre. Monthly Notices of the Royal Astronomical Society, 2013, 436, 3809-3819.	4.4	13

#	ARTICLE	IF	CITATIONS
19	SUPERNOVAE IN THE CENTRAL PARSEC: A MECHANISM FOR PRODUCING SPATIALLY ANISOTROPIC HYPERVELOCITY STARS. <i>Astrophysical Journal</i> , 2013, 771, 118.	4.5	28
20	Eccentric disc instability in stellar discs formed from inspiralling gas clouds in the Galactic Centre. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 427, 1793-1799.	4.4	15
21	High-velocity stars in the cores of globular clusters: the illustrative case of NGC 2808. <i>Astronomy and Astrophysics</i> , 2012, 543, A82.	5.1	23
22	LONG-TERM EVOLUTION OF MASSIVE BLACK HOLE BINARIES. IV. MERGERS OF GALAXIES WITH COLLISIONALLY RELAXED NUCLEI. <i>Astrophysical Journal</i> , 2012, 744, 74.	4.5	77
23	A cosmological view of extreme mass-ratio inspirals in nuclear star clusters. <i>Astronomy and Astrophysics</i> , 2012, 542, A102.	5.1	23
24	Massive black hole binary plane reorientation in rotating stellar systems. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2012, 420, L38-L42.	3.3	19
25	Very massive runaway stars from three-body encounters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 410, 304-312.	4.4	54
26	Massive black hole binary eccentricity in rotating stellar systems. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2011, 415, L35-L39.	3.3	56
27	DYNAMICAL CONSTRAINTS ON THE ORIGIN OF THE YOUNG B-STARS IN THE GALACTIC CENTER. <i>Astrophysical Journal</i> , 2010, 719, 220-228.	4.5	45
28	The Galactic Centre star S2 as a dynamical probe for intermediate-mass black holes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 409, 1146-1154.	4.4	42
29	TIDAL BREAKUP OF BINARY STARS AT THE GALACTIC CENTER AND ITS CONSEQUENCES. <i>Astrophysical Journal</i> , 2010, 713, 90-104.	4.5	59
30	DYNAMICAL EVOLUTION OF THE YOUNG STARS IN THE GALACTIC CENTER: N-BODY SIMULATIONS OF THE S-STARS. <i>Astrophysical Journal</i> , 2009, 702, 884-889.	4.5	85
31	PERTURBATIONS OF INTERMEDIATE-MASS BLACK HOLES ON STELLAR ORBITS IN THE GALACTIC CENTER. <i>Astrophysical Journal</i> , 2009, 705, 361-371.	4.5	78
32	On the origin of high-velocity runaway stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 396, 570-578.	4.4	90
33	High-velocity runaway stars from three-body encounters. <i>Proceedings of the International Astronomical Union</i> , 2009, 5, 413-416.	0.0	0
34	EXPLAINING THE ORBITS OF THE GALACTIC CENTER S-STARS. <i>Astrophysical Journal</i> , 2009, 693, L35-L38.	4.5	53
35	Evolution of stellar orbits in the Galactic centre. <i>Astronomische Nachrichten</i> , 2008, 329, 1008-1011.	1.2	0
36	A parallel gravitational N-body kernel. <i>New Astronomy</i> , 2008, 13, 285-295.	1.8	10

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37	On the onset of runaway stellar collisions in dense star clusters – I. Dynamics of the first collision. Monthly Notices of the Royal Astronomical Society, 2008, 384, 376-385.	4.4	29
38	Hyperfast pulsars as the remnants of massive stars ejected from young star clusters. Monthly Notices of the Royal Astronomical Society, 2008, 385, 929-938.	4.4	35
39	A hybrid <i>N</i> -body code incorporating algorithmic regularization and post-Newtonian forces. Monthly Notices of the Royal Astronomical Society, 2008, 389, 2-12.	4.4	35
40	Ejection of Supermassive Black Holes from Galaxy Cores. Astrophysical Journal, 2008, 678, 780-797.	4.5	172
41	Parallelization, Special Hardware and Post-Newtonian Dynamics in Direct <i>N</i> - Body Simulations. Lecture Notes in Physics, 2008, , 377-389.	0.7	12
42	Performance analysis of direct <i>N</i> -body algorithms on special-purpose supercomputers. New Astronomy, 2007, 12, 357-377.	1.8	138
43	Performance analysis of direct <i>N</i> -body algorithms for astrophysical simulations on distributed systems. Parallel Computing, 2007, 33, 159-173.	2.1	18
44	A hypervelocity star from the Large Magellanic Cloud. Monthly Notices of the Royal Astronomical Society: Letters, 2007, 376, L29-L33.	3.3	64
45	Ejection of Hyper-Velocity Stars by Intermediate-Mass Black Holes. Journal of Physics: Conference Series, 2006, 54, 301-305.	0.4	2
46	Ejection of hypervelocity stars from the Galactic Centre by intermediate-mass black holes. Monthly Notices of the Royal Astronomical Society, 2006, 372, 174-182.	4.4	98
47	Has the Black Hole in XTE J1118+480 Experienced an Asymmetric Natal Kick?. Astrophysical Journal, 2005, 618, 845-851.	4.5	61
48	Three-body encounters in the Galactic Centre: the origin of the hypervelocity star SDSS J090745.0+024507. Monthly Notices of the Royal Astronomical Society, 2005, 363, 223-228.	4.4	84
49	<i>N</i> -body simulations of stars escaping from the Orion nebula. Monthly Notices of the Royal Astronomical Society, 2004, 350, 615-626.	4.4	72
50	The Case of PSR J1911+5958A in the Outskirts of NGC 6752: Signature of a Black Hole Binary in the Cluster Core?. Astrophysical Journal, 2002, 570, L85-L88.	4.5	43
51	Infalling Young Clusters in the Galactic Centre: implications for IMBHs and young stellar populations. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	7