

Eugene Vasiliev

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

2,297
citations

257450

24
h-index

265206

42
g-index

45
all docs

45
docs citations

45
times ranked

1947
citing authors

#	ARTICLE	IF	CITATIONS
1	Evidence for two early accretion events that built the Milky Way stellar halo. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 1235-1247.	4.4	315
2	AGAMA: action-based galaxy modelling architecture. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 482, 1525-1544.	4.4	244
3	Proper motions and dynamics of the Milky Way globular cluster system from <i>Gaia</i> DR2. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 2832-2850.	4.4	210
4	Gaia EDR3 view on galactic globular clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 5978-6002.	4.4	206
5	Accurate distances to Galactic globular clusters through a combination of <i>Gaia</i> EDR3, <i>HST</i> , and literature data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 5957-5977.	4.4	159
6	Tango for three: Sagittarius, LMC, and the Milky Way. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 501, 2279-2304.	4.4	130
7	THE FINAL-PARSEC PROBLEM IN THE COLLISIONLESS LIMIT. <i>Astrophysical Journal</i> , 2015, 810, 49.	4.5	122
8	THE FINAL-PARSEC PROBLEM IN NONSPHERICAL GALAXIES REVISITED. <i>Astrophysical Journal</i> , 2014, 785, 163.	4.5	67
9	The last breath of the Sagittarius dSph. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 4162-4182.	4.4	64
10	Rates of Stellar Tidal Disruption. <i>Space Science Reviews</i> , 2020, 216, 1.	8.1	60
11	THE LOSS-CONE PROBLEM IN AXISYMMETRIC NUCLEI. <i>Astrophysical Journal</i> , 2013, 774, 87.	4.5	50
12	ORBITS AROUND BLACK HOLES IN TRIAXIAL NUCLEI. <i>Astrophysical Journal</i> , 2011, 726, 61.	4.5	46
13	A New Fokker-Planck Approach for the Relaxation-driven Evolution of Galactic Nuclei. <i>Astrophysical Journal</i> , 2017, 848, 10.	4.5	44
14	Internal dynamics of the Large Magellanic Cloud from <i>Gaia</i> DR2. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2018, 481, L100-L104.	3.3	39
15	A new Monte Carlo method for dynamical evolution of non-spherical stellar systems. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 446, 3150-3161.	4.4	37
16	A new code for orbit analysis and Schwarzschild modelling of triaxial stellar systems. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 434, 3174-3195.	4.4	36
17	The Delay Time Distribution of Tidal Disruption Flares. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	4.4	36
18	Systematic errors in Gaia DR2 astrometry and their impact on measurements of internal kinematics of star clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 623-640.	4.4	33

#	ARTICLE	IF	CITATIONS
19	Dark matter annihilation near a black hole: Plateau versus weak cusp. <i>Physical Review D</i> , 2007, 76, .	4.7	32
20	A New Implementation of the Schwarzschild Method for Constructing Observationally Driven Dynamical Models of Galaxies of All Morphological Types. <i>Astrophysical Journal</i> , 2020, 889, 39.	4.5	30
21	Measuring the Milky Way mass distribution in the presence of the LMC. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 2610-2630.	4.4	30
22	Rates of capture of stars by supermassive black holes in non-spherical galactic nuclei. <i>Classical and Quantum Gravity</i> , 2014, 31, 244002.	4.0	27
23	Radialization of Satellite Orbits in Galaxy Mergers. <i>Astrophysical Journal</i> , 2022, 926, 203.	4.5	27
24	Self-consistent modelling of the Milky Way's nuclear stellar disc. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 1857-1884.	4.4	26
25	Dark matter dynamics in the galactic center. <i>Physical Review D</i> , 2008, 78, .	4.7	25
26	Applying Schwarzschild's orbit superposition method to barred or non-barred disc galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 450, 2842-2856.	4.4	24
27	Breaking beta: a comparison of mass modelling methods for spherical systems. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 501, 978-993.	4.4	20
28	Spin evolution of supermassive black holes and galactic nuclei. <i>Physical Review D</i> , 2012, 86, .	4.7	18
29	Primordial black holes as dark matter: constraints from compact ultra-faint dwarfs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 476, 2-11.	4.4	18
30	Action-based distribution function modelling for constraining the shape of the Galactic dark matter halo. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 5468-5492.	4.4	18
31	The Local Group Mass in the Light of Gaia. <i>Astrophysical Journal Letters</i> , 2022, 928, L5.	8.3	16
32	Chaotic mixing and the secular evolution of triaxial cuspy galaxy models built with Schwarzschild's method. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 419, 3268-3279.	4.4	10
33	SUPPRESSION OF STELLAR TIDAL DISRUPTION RATES BY ANISOTROPIC INITIAL CONDITIONS. <i>Astrophysical Journal Letters</i> , 2015, 808, L5.	8.3	10
34	Evolution of supermassive black hole binaries and tidal disruption rates in non-spherical galactic nuclei. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 2851-2865.	4.4	10
35	The Black Hole Mass of NGC 4151 from Stellar Dynamical Modeling. <i>Astrophysical Journal</i> , 2021, 916, 25.	4.5	10
36	Models of distorted and evolving dark matter haloes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 4793-4813.	4.4	9

#	ARTICLE	IF	CITATIONS
37	A 6D view of stellar shells. Monthly Notices of the Royal Astronomical Society, 2021, 510, 230-245.	4.4	9
38	TIDAL DISRUPTION RATES IN NON-SPHERICAL GALACTIC NUCLEI FORMED BY GALAXY MERGERS. Astrophysical Journal, 2016, 831, 84.	4.5	8
39	Absorption of dark matter by a supermassive black hole at the galactic center: Role of boundary conditions. JETP Letters, 2005, 81, 85-89.	1.4	7
40	The stellar mass distribution of the Milky Way's bar: an analytical model. Monthly Notices of the Royal Astronomical Society: Letters, 2022, 514, L1-L5.	3.3	7
41	Non-parametric spherical Jeans mass estimation with B-splines. Monthly Notices of the Royal Astronomical Society, 2022, 511, 5536-5549.	4.4	5
42	Structure and adiabatic compression of dark matter halos: Simple analytic model. JETP Letters, 2006, 84, 45-49.	1.4	2
43	Evolution of binary supermassive black holes and the final-parsec problem. Proceedings of the International Astronomical Union, 2014, 10, 92-100.	0.0	1
44	Schwarzschild modeling of barred galaxies. Proceedings of the International Astronomical Union, 2019, 14, 176-183.	0.0	0
45	Using Gaia for studying Milky Way star clusters. Proceedings of the International Astronomical Union, 2019, 14, 536-539.	0.0	0