

Mario Juric

List of Publications by Year in descending order

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Version: 2024-02-01

81
papers

18,786
citations

53794

45
h-index

64796

79
g-index

81
all docs

81
docs citations

81
times ranked

11001
citing authors

#	ARTICLE	IF	CITATIONS
1	Galactic Mass Estimates Using Dwarf Galaxies as Kinematic Tracers. <i>Astrophysical Journal</i> , 2022, 924, 131.	4.5	6
2	Characterizing Sparse Asteroid Light Curves with Gaussian Processes. <i>Astronomical Journal</i> , 2022, 163, 29.	4.7	2
3	Year 1 of the Legacy Survey of Space and Time (LSST): Recommendations for Template Production to Enable Solar System Small Body Transient and Time Domain Science. <i>Research Notes of the AAS</i> , 2021, 5, 143.	0.7	2
4	THOR: An Algorithm for Cadence-independent Asteroid Discovery. <i>Astronomical Journal</i> , 2021, 162, 143.	4.7	5
5	iCompare: A Package for Automated Comparison of Solar System Integrators*. <i>Research Notes of the AAS</i> , 2021, 5, 267.	0.7	0
6	Sifting through the Static: Moving Object Detection in Difference Images. <i>Astronomical Journal</i> , 2021, 162, 245.	4.7	7
7	Discovering Earth's transient moons with the Large Synoptic Survey Telescope. <i>Icarus</i> , 2020, 338, 113517.	2.5	10
8	Photometric Redshifts with the LSST. II. The Impact of Near-infrared and Near-ultraviolet Photometry. <i>Astronomical Journal</i> , 2020, 159, 258.	4.7	11
9	Required deflection impulses as a function of time before impact for Earth-impacting asteroids. <i>Icarus</i> , 2020, 347, 113792.	2.5	6
10	Characterization of the Nucleus, Morphology, and Activity of Interstellar Comet 2I/Borisov by Optical and Near-infrared GROWTH, Apache Point, IRTF, ZTF, and Keck Observations. <i>Astronomical Journal</i> , 2020, 160, 26.	4.7	28
11	The Zwicky Transient Facility: Science Objectives. <i>Publications of the Astronomical Society of the Pacific</i> , 2019, 131, 078001.	3.1	453
12	Discovery of an Intermediate-luminosity Red Transient in M51 and Its Likely Dust-obscured, Infrared-variable Progenitor. <i>Astrophysical Journal Letters</i> , 2019, 880, L20.	8.3	19
13	AXS: A Framework for Fast Astronomical Data Processing Based on Apache Spark. <i>Astronomical Journal</i> , 2019, 158, 37.	4.7	13
14	The Cumulative Mass Profile of the Milky Way as Determined by Globular Cluster Kinematics from Gaia DR2. <i>Astrophysical Journal</i> , 2019, 875, 159.	4.5	66
15	Mapping the Interstellar Reddening and Extinction toward Baade's Window Using Minimum Light Colors of ab-type RR Lyrae Stars: Revelations from the De-reddened Color-Magnitude Diagrams. <i>Astrophysical Journal</i> , 2019, 874, 30.	4.5	21
16	Fast Algorithms for Slow Moving Asteroids: Constraints on the Distribution of Kuiper Belt Objects. <i>Astronomical Journal</i> , 2019, 157, 119.	4.7	16
17	LSST: From Science Drivers to Reference Design and Anticipated Data Products. <i>Astrophysical Journal</i> , 2019, 873, 111.	4.5	1,744
18	The Zwicky Transient Facility: Data Processing, Products, and Archive. <i>Publications of the Astronomical Society of the Pacific</i> , 2019, 131, 018003.	3.1	610

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19	The Zwicky Transient Facility Alert Distribution System. Publications of the Astronomical Society of the Pacific, 2019, 131, 018001.	3.1	106
20	The Zwicky Transient Facility: System Overview, Performance, and First Results. Publications of the Astronomical Society of the Pacific, 2019, 131, 018002.	3.1	1,020
21	A Software Roadmap for Solar System Science with the Large Synoptic Survey Telescope. Research Notes of the AAS, 2019, 3, 51.	0.7	6
22	APO Time-resolved Color Photometry of Highly Elongated Interstellar Object 1I/â€œOumuamua. Astrophysical Journal Letters, 2018, 852, L2.	8.3	90
23	Photometric Redshifts with the LSST: Evaluating Survey Observing Strategies. Astronomical Journal, 2018, 155, 1.	4.7	51
24	The Large Synoptic Survey Telescope as a Near-Earth Object discovery machine. Icarus, 2018, 303, 181-202.	2.5	45
25	Tidal Synchronization and Differential Rotation of Kepler Eclipsing Binaries. Astronomical Journal, 2017, 154, 250.	4.7	79
26	Agile software development in an earned value world: a survival guide. Proceedings of SPIE, 2016, , .	0.8	2
27	Everything weâ€™d like to do with LSST data, but we donâ€™t know (yet) how. Proceedings of the International Astronomical Union, 2016, 12, 93-102.	0.0	11
28	HYPERCALIBRATION: A PAN-STARRS1-BASED RECALIBRATION OF THE SLOAN DIGITAL SKY SURVEY PHOTOMETRY. Astrophysical Journal, 2016, 822, 66.	4.5	91
29	Asteroid Discovery and Characterization with the Large Synoptic Survey Telescope. Proceedings of the International Astronomical Union, 2015, 10, 282-292.	0.0	19
30	THE MILKY WAY TOMOGRAPHY WITH SLOAN DIGITAL SKY SURVEY. V. MAPPING THE DARK MATTER HALO. Astrophysical Journal, 2014, 794, 151.	4.5	44
31	GIANT SPARKS AT COSMOLOGICAL DISTANCES?. Astrophysical Journal, 2014, 797, 70.	4.5	176
32	MEASURING DISTANCES AND REDDENINGS FOR A BILLION STARS: TOWARD A 3D DUST MAP FROM PAN-STARRS 1. Astrophysical Journal, 2014, 783, 114.	4.5	84
33	PROBING THE INTERGALACTIC MEDIUM WITH FAST RADIO BURSTS. Astrophysical Journal, 2014, 797, 71.	4.5	98
34	A MAP OF DUST REDDENING TO 4.5 kpc FROM Pan-STARRS1. Astrophysical Journal, 2014, 789, 15.	4.5	85
35	Radio Astronomy in LSST Era¹. Publications of the Astronomical Society of the Pacific, 2014, 126, 196-209.	3.1	5
36	Swarm-NG: A CUDA library for Parallel n-body Integrations with focus on simulations of planetary systems. New Astronomy, 2013, 23-24, 6-18.	1.8	13

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37	THE PAN-STARRS 1 PHOTOMETRIC REFERENCE LADDER, RELEASE 12.01. <i>Astrophysical Journal, Supplement Series</i> , 2013, 205, 20.	7.7	270
38	EXPLORING THE VARIABLE SKY WITH LINEAR. II. HALO STRUCTURE AND SUBSTRUCTURE TRACED BY RR LYRAE STARS TO 30 kpc. <i>Astronomical Journal</i> , 2013, 146, 21.	4.7	88
39	What did we learn about the Milky Way during the last decade, and what shall we learn using Gaia and LSST?. <i>Proceedings of the International Astronomical Union</i> , 2013, 9, 281-291.	0.0	0
40	LSST Data Management: Entering the Era of Petascale Optical Astronomy. <i>Proceedings of the International Astronomical Union</i> , 2012, 10, 675-676.	0.0	7
41	UPDATE ON THE NATURE OF VIRGO OVERDENSITY. <i>Astronomical Journal</i> , 2012, 143, 105.	4.7	36
42	THE METALLICITY OF THE MONOCEROS STREAM. <i>Astrophysical Journal</i> , 2012, 753, 116.	4.5	18
43	THE MILKY WAY TOMOGRAPHY WITH SLOAN DIGITAL SKY SURVEY. IV. DISSECTING DUST. <i>Astrophysical Journal</i> , 2012, 757, 166.	4.5	60
44	Galactic Stellar Populations in the Era of the Sloan Digital Sky Survey and Other Large Surveys. <i>Annual Review of Astronomy and Astrophysics</i> , 2012, 50, 251-304.	24.3	118
45	CONSTRAINTS ON THE SHAPE OF THE MILKY WAY DARK MATTER HALO FROM JEANS EQUATIONS APPLIED TO SLOAN DIGITAL SKY SURVEY DATA. <i>Astrophysical Journal Letters</i> , 2012, 758, L23.	8.3	21
46	TWO DISTANT HALO VELOCITY GROUPS DISCOVERED BY THE PALOMAR TRANSIENT FACTORY. <i>Astrophysical Journal</i> , 2012, 755, 134.	4.5	19
47	PHOTOMETRIC CALIBRATION OF THE FIRST 1.5 YEARS OF THE PAN-STARRS1 SURVEY. <i>Astrophysical Journal</i> , 2012, 756, 158.	4.5	311
48	Ensemble properties of comets in the Sloan Digital Sky Survey. <i>Icarus</i> , 2012, 218, 571-584.	2.5	61
49	THE SHAPE AND PROFILE OF THE MILKY WAY HALO AS SEEN BY THE CANADA-FRANCE-HAWAII TELESCOPE LEGACY SURVEY. <i>Astrophysical Journal</i> , 2011, 731, 4.	4.5	134
50	Simulating the LSST system. <i>Proceedings of SPIE</i> , 2010, , .	0.8	27
51	LIGHT CURVE TEMPLATES AND GALACTIC DISTRIBUTION OF RR LYRAE STARS FROM SLOAN DIGITAL SKY SURVEY STRIPE 82. <i>Astrophysical Journal</i> , 2010, 708, 717-741.	4.5	174
52	THE MILKY WAY TOMOGRAPHY WITH SDSS. III. STELLAR KINEMATICS. <i>Astrophysical Journal</i> , 2010, 716, 1-29.	4.5	185
53	THE BLUE TIP OF THE STELLAR LOCUS: MEASURING REDDENING WITH THE SLOAN DIGITAL SKY SURVEY. <i>Astrophysical Journal</i> , 2010, 725, 1175-1191.	4.5	138
54	Detecting active comets in the SDSS. <i>Icarus</i> , 2010, 205, 605-618.	2.5	11

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55	SDSS, LSST and Gaia: Lessons and Synergies. EAS Publications Series, 2010, 45, 281-286.	0.3	3
56	A multiphysics and multiscale software environment for modeling astrophysical systems. New Astronomy, 2009, 14, 369-378.	1.8	146
57	THE SEVENTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY. Astrophysical Journal, Supplement Series, 2009, 182, 543-558.	7.7	4,201
58	The size distributions of asteroid families in the SDSS Moving Object Catalog 4. Icarus, 2008, 198, 138-155.	2.5	168
59	The Sixth Data Release of the Sloan Digital Sky Survey. Astrophysical Journal, Supplement Series, 2008, 175, 297-313.	7.7	1,202
60	The Milky Way Tomography with SDSS. II. Stellar Metallicity. Astrophysical Journal, 2008, 684, 287-325.	4.5	456
61	Candidate Disk Wide Binaries in the Sloan Digital Sky Survey. Astrophysical Journal, 2008, 689, 1244-1273.	4.5	38
62	Dynamical Origin of Extrasolar Planet Eccentricity Distribution. Astrophysical Journal, 2008, 686, 603-620.	4.5	430
63	The Milky Way Tomography with SDSS. I. Stellar Number Density Distribution. Astrophysical Journal, 2008, 673, 864-914.	4.5	1,020
64	A Multiphysics and Multiscale Software Environment for Modeling Astrophysical Systems. Lecture Notes in Computer Science, 2008, , 207-216.	1.3	6
65	The Virgo Stellar Overdensity: Mapping the Infall of the Sagittarius Tidal Stream onto the Milky Way Disk. Astrophysical Journal, 2007, 660, 1264-1272.	4.5	52
66	Exploring the Variable Sky with the Sloan Digital Sky Survey. Astronomical Journal, 2007, 134, 2236-2251.	4.7	274
67	Sloan Digital Sky Survey Standard Star Catalog for Stripe 82: The Dawn of Industrial 1% Optical Photometry. Astronomical Journal, 2007, 134, 973-998.	4.7	266
68	Astrometry with digital sky surveys: from SDSS to LSST. Proceedings of the International Astronomical Union, 2007, 3, 537-543.	0.0	5
69	The Fifth Data Release of the Sloan Digital Sky Survey. Astrophysical Journal, Supplement Series, 2007, 172, 634-644.	7.7	615
70	The properties of Jovian Trojan asteroids listed in SDSS Moving Object Catalogue 3. Monthly Notices of the Royal Astronomical Society, 2007, 377, 1393-1406.	4.4	82
71	LSST: Comprehensive NEO detection, characterization, and orbits. Proceedings of the International Astronomical Union, 2006, 2, 353-362.	0.0	7
72	The Fourth Data Release of the Sloan Digital Sky Survey. Astrophysical Journal, Supplement Series, 2006, 162, 38-48.	7.7	948

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73	Panchromatic properties of 99â€Œ000 galaxies detected by SDSS, and (some by) ROSAT, GALEX, 2MASS, IRAS, GB6, FIRST, NVSS and WENSS surveys. Monthly Notices of the Royal Astronomical Society, 2006, 370, 1677-1698.	4.4	49
74	A Map of the Universe. Astrophysical Journal, 2005, 624, 463-484.	4.5	309
75	The Third Data Release of the Sloan Digital Sky Survey. Astronomical Journal, 2005, 129, 1755-1759.	4.7	634
76	Colour variability of asteroids in the Sloan Digital Sky Survey Moving Object Catalog. Monthly Notices of the Royal Astronomical Society, 2004, 348, 987-998.	4.4	21
77	An ageâ€œcolour relationship for main-belt S-complex asteroids. Nature, 2004, 429, 275-277.	27.8	68
78	Sloan Digital Sky Survey Imaging of Low Galactic Latitude Fields: Technical Summary and Data Release. Astronomical Journal, 2004, 128, 2577-2592.	4.7	73
79	The First Data Release of the Sloan Digital Sky Survey. Astronomical Journal, 2003, 126, 2081-2086.	4.7	800
80	Color Confirmation of Asteroid Families. Astronomical Journal, 2002, 124, 2943-2948.	4.7	102
81	Comparison of Positions and Magnitudes of Asteroids Observed in the Sloan Digital Sky Survey with Those Predicted for Known Asteroids. Astronomical Journal, 2002, 124, 1776-1787.	4.7	89