

# Mario Juric

## List of Publications by Year in descending order

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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	THE SEVENTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY. <i>Astrophysical Journal, Supplement Series</i> , 2009, 182, 543-558.	7.7	4,201
2	LSST: From Science Drivers to Reference Design and Anticipated Data Products. <i>Astrophysical Journal</i> , 2019, 873, 111.	4.5	1,744
3	The Sixth Data Release of the Sloan Digital Sky Survey. <i>Astrophysical Journal, Supplement Series</i> , 2008, 175, 297-313.	7.7	1,202
4	The Milky Way Tomography with SDSS. I. Stellar Number Density Distribution. <i>Astrophysical Journal</i> , 2008, 673, 864-914.	4.5	1,020
5	The Zwicky Transient Facility: System Overview, Performance, and First Results. <i>Publications of the Astronomical Society of the Pacific</i> , 2019, 131, 018002.	3.1	1,020
6	The Fourth Data Release of the Sloan Digital Sky Survey. <i>Astrophysical Journal, Supplement Series</i> , 2006, 162, 38-48.	7.7	948
7	The First Data Release of the Sloan Digital Sky Survey. <i>Astronomical Journal</i> , 2003, 126, 2081-2086.	4.7	800
8	The Third Data Release of the Sloan Digital Sky Survey. <i>Astronomical Journal</i> , 2005, 129, 1755-1759.	4.7	634
9	The Fifth Data Release of the Sloan Digital Sky Survey. <i>Astrophysical Journal, Supplement Series</i> , 2007, 172, 634-644.	7.7	615
10	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
11	The Milky Way Tomography with SDSS. II. Stellar Metallicity. <i>Astrophysical Journal</i> , 2008, 684, 287-325.	4.5	456
12	The Zwicky Transient Facility: Science Objectives. <i>Publications of the Astronomical Society of the Pacific</i> , 2019, 131, 078001.	3.1	453
13	Dynamical Origin of Extrasolar Planet Eccentricity Distribution. <i>Astrophysical Journal</i> , 2008, 686, 603-620.	4.5	430
14	PHOTOMETRIC CALIBRATION OF THE FIRST 1.5 YEARS OF THE PAN-STARRS1 SURVEY. <i>Astrophysical Journal</i> , 2012, 756, 158.	4.5	311
15	A Map of the Universe. <i>Astrophysical Journal</i> , 2005, 624, 463-484.	4.5	309
16	Exploring the Variable Sky with the Sloan Digital Sky Survey. <i>Astronomical Journal</i> , 2007, 134, 2236-2251.	4.7	274
17	THE PAN-STARRS 1 PHOTOMETRIC REFERENCE LADDER, RELEASE 12.01. <i>Astrophysical Journal, Supplement Series</i> , 2013, 205, 20.	7.7	270
18	Sloan Digital Sky Survey Standard Star Catalog for Stripe 82: The Dawn of Industrial 1% Optical Photometry. <i>Astronomical Journal</i> , 2007, 134, 973-998.	4.7	266

#	ARTICLE	IF	CITATIONS
19	THE MILKY WAY TOMOGRAPHY WITH SDSS. III. STELLAR KINEMATICS. <i>Astrophysical Journal</i> , 2010, 716, 1-29.	4.5	185
20	GIANT SPARKS AT COSMOLOGICAL DISTANCES?. <i>Astrophysical Journal</i> , 2014, 797, 70.	4.5	176
21	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
22	The size distributions of asteroid families in the SDSS Moving Object Catalog 4. <i>Icarus</i> , 2008, 198, 138-155.	2.5	168
23	A multiphysics and multiscale software environment for modeling astrophysical systems. <i>New Astronomy</i> , 2009, 14, 369-378.	1.8	146
24	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
25	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
26	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
27	The Zwicky Transient Facility Alert Distribution System. <i>Publications of the Astronomical Society of the Pacific</i> , 2019, 131, 018001.	3.1	106
28	Color Confirmation of Asteroid Families. <i>Astronomical Journal</i> , 2002, 124, 2943-2948.	4.7	102
29	PROBING THE INTERGALACTIC MEDIUM WITH FAST RADIO BURSTS. <i>Astrophysical Journal</i> , 2014, 797, 71.	4.5	98
30	HYPERCALIBRATION: A PAN-STARRS1-BASED RECALIBRATION OF THE SLOAN DIGITAL SKY SURVEY PHOTOMETRY. <i>Astrophysical Journal</i> , 2016, 822, 66.	4.5	91
31	APO Time-resolved Color Photometry of Highly Elongated Interstellar Object 1I/â€ˆOumuamua. <i>Astrophysical Journal Letters</i> , 2018, 852, L2.	8.3	90
32	Comparison of Positions and Magnitudes of Asteroids Observed in the Sloan Digital Sky Survey with Those Predicted for Known Asteroids. <i>Astronomical Journal</i> , 2002, 124, 1776-1787.	4.7	89
33	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
34	A MAP OF DUST REDDENING TO 4.5 kpc FROM Pan-STARRS1. <i>Astrophysical Journal</i> , 2014, 789, 15.	4.5	85
35	MEASURING DISTANCES AND REDDENINGS FOR A BILLION STARS: TOWARD A 3D DUST MAP FROM PAN-STARRS 1. <i>Astrophysical Journal</i> , 2014, 783, 114.	4.5	84
36	The properties of Jovian Trojan asteroids listed in SDSS Moving Object Catalogue 3. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 377, 1393-1406.	4.4	82

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37	Tidal Synchronization and Differential Rotation of Kepler Eclipsing Binaries. <i>Astronomical Journal</i> , 2017, 154, 250.	4.7	79
38	Sloan Digital Sky Survey Imaging of Low Galactic Latitude Fields: Technical Summary and Data Release. <i>Astronomical Journal</i> , 2004, 128, 2577-2592.	4.7	73
39	An age-colour relationship for main-belt S-complex asteroids. <i>Nature</i> , 2004, 429, 275-277.	27.8	68
40	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
41	Ensemble properties of comets in the Sloan Digital Sky Survey. <i>Icarus</i> , 2012, 218, 571-584.	2.5	61
42	THE MILKY WAY TOMOGRAPHY WITH SLOAN DIGITAL SKY SURVEY. IV. DISSECTING DUST. <i>Astrophysical Journal</i> , 2012, 757, 166.	4.5	60
43	The Virgo Stellar Overdensity: Mapping the Infall of the Sagittarius Tidal Stream onto the Milky Way Disk. <i>Astrophysical Journal</i> , 2007, 660, 1264-1272.	4.5	52
44	Photometric Redshifts with the LSST: Evaluating Survey Observing Strategies. <i>Astronomical Journal</i> , 2018, 155, 1.	4.7	51
45	Panchromatic properties of 99,000 galaxies detected by SDSS, and (some by) ROSAT, GALEX, 2MASS, IRAS, GB6, FIRST, NVSS and WENSS surveys. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 370, 1677-1698.	4.4	49
46	The Large Synoptic Survey Telescope as a Near-Earth Object discovery machine. <i>Icarus</i> , 2018, 303, 181-202.	2.5	45
47	THE MILKY WAY TOMOGRAPHY WITH SLOAN DIGITAL SKY SURVEY. V. MAPPING THE DARK MATTER HALO. <i>Astrophysical Journal</i> , 2014, 794, 151.	4.5	44
48	Candidate Disk Wide Binaries in the Sloan Digital Sky Survey. <i>Astrophysical Journal</i> , 2008, 689, 1244-1273.	4.5	38
49	UPDATE ON THE NATURE OF VIRGO OVERDENSITY. <i>Astronomical Journal</i> , 2012, 143, 105.	4.7	36
50	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
51	Simulating the LSST system. <i>Proceedings of SPIE</i> , 2010, , .	0.8	27
52	Colour variability of asteroids in the Sloan Digital Sky Survey Moving Object Catalog. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004, 348, 987-998.	4.4	21
53	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
54	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

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55	TWO DISTANT HALO VELOCITY GROUPS DISCOVERED BY THE PALOMAR TRANSIENT FACTORY. <i>Astrophysical Journal</i> , 2012, 755, 134.	4.5	19
56	Asteroid Discovery and Characterization with the Large Synoptic Survey Telescope. <i>Proceedings of the International Astronomical Union</i> , 2015, 10, 282-292.	0.0	19
57	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
58	THE METALLICITY OF THE MONOCEROS STREAM. <i>Astrophysical Journal</i> , 2012, 753, 116.	4.5	18
59	Fast Algorithms for Slow Moving Asteroids: Constraints on the Distribution of Kuiper Belt Objects. <i>Astronomical Journal</i> , 2019, 157, 119.	4.7	16
60	Swarm-NG: A CUDA library for Parallel n-body Integrations with focus on simulations of planetary systems. <i>New Astronomy</i> , 2013, 23-24, 6-18.	1.8	13
61	AXS: A Framework for Fast Astronomical Data Processing Based on Apache Spark. <i>Astronomical Journal</i> , 2019, 158, 37.	4.7	13
62	Detecting active comets in the SDSS. <i>Icarus</i> , 2010, 205, 605-618.	2.5	11
63	Everything weâ€™d like to do with LSST data, but we donâ€™t know (yet) how. <i>Proceedings of the International Astronomical Union</i> , 2016, 12, 93-102.	0.0	11
64	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
65	Discovering Earthâ€™s transient moons with the Large Synoptic Survey Telescope. <i>Icarus</i> , 2020, 338, 113517.	2.5	10
66	LSST: Comprehensive NEO detection, characterization, and orbits. <i>Proceedings of the International Astronomical Union</i> , 2006, 2, 353-362.	0.0	7
67	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
68	Sifting through the Static: Moving Object Detection in Difference Images. <i>Astronomical Journal</i> , 2021, 162, 245.	4.7	7
69	Required deflection impulses as a function of time before impact for Earth-impacting asteroids. <i>Icarus</i> , 2020, 347, 113792.	2.5	6
70	A Multiphysics and Multiscale Software Environment for Modeling Astrophysical Systems. <i>Lecture Notes in Computer Science</i> , 2008, , 207-216.	1.3	6
71	A Software Roadmap for Solar System Science with the Large Synoptic Survey Telescope. <i>Research Notes of the AAS</i> , 2019, 3, 51.	0.7	6
72	Galactic Mass Estimates Using Dwarf Galaxies as Kinematic Tracers. <i>Astrophysical Journal</i> , 2022, 924, 131.	4.5	6

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73	Astrometry with digital sky surveys: from SDSS to LSST. Proceedings of the International Astronomical Union, 2007, 3, 537-543.	0.0	5
74	Radio Astronomy in LSST Era <sup>1</sup> . Publications of the Astronomical Society of the Pacific, 2014, 126, 196-209.	3.1	5
75	THOR: An Algorithm for Cadence-independent Asteroid Discovery. Astronomical Journal, 2021, 162, 143.	4.7	5
76	SDSS, LSST and Gaia: Lessons and Synergies. EAS Publications Series, 2010, 45, 281-286.	0.3	3
77	Agile software development in an earned value world: a survival guide. Proceedings of SPIE, 2016, , .	0.8	2
78	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. Research Notes of the AAS, 2021, 5, 143.	0.7	2
79	Characterizing Sparse Asteroid Light Curves with Gaussian Processes. Astronomical Journal, 2022, 163, 29.	4.7	2
80	What did we learn about the Milky Way during the last decade, and what shall we learn using Gaia and LSST?. Proceedings of the International Astronomical Union, 2013, 9, 281-291.	0.0	0
81	iCompare: A Package for Automated Comparison of Solar System Integrators*. Research Notes of the AAS, 2021, 5, 267.	0.7	0