

Zoran Knežević

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

2,323
citations

304743

22
h-index

206112

48
g-index

52
all docs

52
docs citations

52
times ranked

893
citing authors

#	ARTICLE	IF	CITATIONS
1	Survey of secular resonances in the asteroid belt. Serbian Astronomical Journal, 2022, , 1-27.	0.6	3
2	The impact of physical processes on the estimation of the ages of asteroid families. Monthly Notices of the Royal Astronomical Society, 2021, 506, 4302-4320.	4.4	4
3	On the accuracy of position of the linear secular resonance $g \approx g_5$ in the proper elements™ space. Monthly Notices of the Royal Astronomical Society, 2020, 497, 4921-4936.	4.4	3
4	Asteroid cratering families: recognition and collisional interpretation. Astronomy and Astrophysics, 2019, 622, A47.	5.1	11
5	Are the analytical proper elements of asteroids still needed?. Celestial Mechanics and Dynamical Astronomy, 2019, 131, 1.	1.4	7
6	Ages of asteroid families estimated using the YORP-eye method. Monthly Notices of the Royal Astronomical Society, 2019, 484, 1815-1828.	4.4	10
7	On the ages of resonant, eroded and fossil asteroid families. Icarus, 2017, 288, 240-264.	2.5	46
8	Asteroid "one-sided" families: Identifying footprints of YORP effect and estimating the age. European Physical Journal Plus, 2017, 132, 1.	2.6	0
9	Computation of asteroid proper elements: Recent advances. Serbian Astronomical Journal, 2017, , 1-8.	0.6	7
10	Footprints of the YORP effect in asteroid families. Icarus, 2016, 274, 314-326.	2.5	14
11	Asteroid Family Identification: History and State of the Art. Proceedings of the International Astronomical Union, 2015, 10, 16-27.	0.0	6
12	Families classification including multiopposition asteroids. Proceedings of the International Astronomical Union, 2015, 10, 28-45.	0.0	7
13	Asteroid family ages. Icarus, 2015, 257, 275-289.	2.5	132
14	ASTEROID SECULAR DYNAMICS: CERES™ FINGERPRINT IDENTIFIED. Astrophysical Journal Letters, 2015, 807, L5.	8.3	37
15	Asteroid families classification: Exploiting very large datasets. Icarus, 2014, 239, 46-73.	2.5	171
16	Automated Classification of Asteroids into Families at Work. Proceedings of the International Astronomical Union, 2014, 9, 130-133.	0.0	6
17	Dynamical properties of Watsonia asteroid family. Proceedings of the International Astronomical Union, 2014, 9, 180-181.	0.0	0
18	Recent collisional jet from a primitive asteroid. Monthly Notices of the Royal Astronomical Society, 2012, 425, 338-346.	4.4	16

#	ARTICLE	IF	CITATIONS
19	Identification of known objects in Solar System surveys. <i>Icarus</i> , 2012, 220, 114-123.	2.5	19
20	Families among high-inclination asteroids. <i>Icarus</i> , 2011, 216, 69-81.	2.5	75
21	Dynamics of the Hungaria asteroids. <i>Icarus</i> , 2010, 207, 769-794.	2.5	52
22	Dynamical portrait of the Lixiaohua asteroid family. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2010, 107, 35-49.	1.4	18
23	Chaotic transport and chronology of complex asteroid families. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 402, 1263-1272.	4.4	30
24	Solar System Science with LSST. <i>Earth, Moon and Planets</i> , 2009, 105, 101-105.	0.6	46
25	“Galileo Galilei” (GG) a small satellite to test the equivalence principle of Galileo, Newton and Einstein. <i>Experimental Astronomy</i> , 2009, 23, 689-710.	3.7	22
26	Topocentric orbit determination: Algorithms for the next generation surveys. <i>Icarus</i> , 2008, 195, 474-492.	2.5	28
27	Reconstructing the orbital history of the Veritas family. <i>Icarus</i> , 2007, 186, 484-497.	2.5	29
28	New Definition of Discovery for Solar System Objects. <i>Earth, Moon and Planets</i> , 2007, 100, 83-116.	0.6	13
29	Extended Families in the Main Belt and in the Trojan Swarms. <i>Highlights of Astronomy</i> , 2005, 13, 758-758.	0.0	2
30	Orbit determination with very short arcs II. Identifications. <i>Icarus</i> , 2005, 179, 350-374.	2.5	51
31	From Astrometry to Celestial Mechanics: Orbit Determination with Very Short Arcs. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2005, 92, 1-18.	1.4	34
32	On the reliability of computation of maximum Lyapunov Characteristic Exponents for asteroids. <i>Proceedings of the International Astronomical Union</i> , 2004, 2004, 187-194.	0.0	1
33	Proper element catalogs and asteroid families. <i>Astronomy and Astrophysics</i> , 2003, 403, 1165-1173.	5.1	158
34	Probing the Nekhoroshev Stability of Asteroids. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2002, 83, 121-140.	1.4	18
35	Synthetic Proper Elements for Outer Main Belt Asteroids. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2000, 78, 17-46.	1.4	105
36	Asteroid Mean Elements: Higher Order and Iterative Theories. <i>Celestial Mechanics and Dynamical Astronomy</i> , 1998, 71, 55-78.	1.4	12

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37	Orbit maintenance of a lunar polar orbiter. <i>Planetary and Space Science</i> , 1998, 46, 1605-1611.	1.7	18
38	The dangerous border of the 5:2 mean motion resonance. <i>Planetary and Space Science</i> , 1997, 45, 1581-1585.	1.7	11
39	Stable Chaos in the Asteroid Belt. <i>Icarus</i> , 1997, 125, 13-31.	2.5	70
40	Asteroid Proper Elements and the Dynamical Structure of the Asteroid Main Belt. <i>Icarus</i> , 1994, 107, 219-254.	2.5	200
41	Asteroid long-periodic perturbations: generic term representation of the determining function. <i>Planetary and Space Science</i> , 1994, 42, 15-19.	1.7	1
42	Close Encounters with Large Asteroids in the Next 50 Years. <i>Icarus</i> , 1993, 103, 93-103.	2.5	7
43	Minor planet short periodic perturbations: The indirect part of the disturbing function. <i>Celestial Mechanics and Dynamical Astronomy</i> , 1993, 55, 387-404.	1.4	9
44	Asteroid proper elements and secular resonances. <i>Icarus</i> , 1992, 98, 211-232.	2.5	111
45	Secular resonances from 2 to 50 AU. <i>Icarus</i> , 1991, 93, 316-330.	2.5	129
46	Secular perturbation theory and computation of asteroid proper elements. <i>Celestial Mechanics and Dynamical Astronomy</i> , 1990, 49, 347-411.	1.4	136
47	Asteroid families. I - Identification by hierarchical clustering and reliability assessment. <i>Astronomical Journal</i> , 1990, 100, 2030.	4.7	291
48	Asteroid long-periodic perturbations: The second order Hamiltonian. <i>Celestial Mechanics and Dynamical Astronomy</i> , 1989, 46, 147-158.	1.4	14
49	Secular variations of major planets' orbital elements. <i>Celestial Mechanics and Dynamical Astronomy</i> , 1986, 38, 123-138.	1.4	6
50	Collisional origin of the asteroid families: Mass and velocity distributions. <i>Icarus</i> , 1984, 59, 261-285.	2.5	74
51	Rotation axes of asteroids: Results for 14 objects. <i>Icarus</i> , 1984, 59, 436-455.	2.5	38
52	Photoelectric analysis of asteroid 216 Kleopatra: Implications for its shape. <i>Icarus</i> , 1983, 53, 458-464.	2.5	15