

Matija Cuk

List of Publications by Year in descending order

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36
papers

1,682
citations

430874

18
h-index

377865

34
g-index

36
all docs

36
docs citations

36
times ranked

1457
citing authors

#	ARTICLE	IF	CITATIONS
1	Making the Moon from a Fast-Spinning Earth: A Giant Impact Followed by Resonant Despinning. <i>Science</i> , 2012, 338, 1047-1052.	12.6	512
2	The Origin of the Moon Within a Terrestrial Synestia. <i>Journal of Geophysical Research E: Planets</i> , 2018, 123, 910-951.	3.6	200
3	DYNAMICAL EVIDENCE FOR A LATE FORMATION OF SATURN'S MOONS. <i>Astrophysical Journal</i> , 2016, 820, 97.	4.5	117
4	Tidal evolution of the Moon from a high-obliquity, high-angular-momentum Earth. <i>Nature</i> , 2016, 539, 402-406.	27.8	102
5	1I/ʻOumuamua as a Tidal Disruption Fragment from a Binary Star System. <i>Astrophysical Journal Letters</i> , 2018, 852, L15.	8.3	66
6	Orbital evolution of small binary asteroids. <i>Icarus</i> , 2010, 207, 732-743.	2.5	62
7	Gas-drag-assisted capture of Himalia's family. <i>Icarus</i> , 2004, 167, 369-381.	2.5	61
8	Long-term stability of horseshoe orbits. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 426, 3051-3056.	4.4	58
9	On the Secular Behavior of Irregular Satellites. <i>Astronomical Journal</i> , 2004, 128, 2518-2541.	4.7	54
10	Formation and Destruction of Small Binary Asteroids. <i>Astrophysical Journal</i> , 2007, 659, L57-L60.	4.5	52
11	Chronology and sources of lunar impact bombardment. <i>Icarus</i> , 2012, 218, 69-79.	2.5	51
12	Constraints on the source of lunar cataclysm impactors. <i>Icarus</i> , 2010, 207, 590-594.	2.5	48
13	Constraints on the Orbital Evolution of Triton. <i>Astrophysical Journal</i> , 2005, 626, L113-L116.	4.5	41
14	Dynamical History of the Uranian System. <i>Planetary Science Journal</i> , 2020, 1, 22.	3.6	36
15	The excited spin state of Dimorphos resulting from the DART impact. <i>Icarus</i> , 2021, 370, 114624.	2.5	33
16	ON THE DYNAMICS AND ORIGIN OF HAUMEA'S MOONS. <i>Astronomical Journal</i> , 2013, 146, 89.	4.7	21
17	Hungaria asteroid family as the source of aubrite meteorites. <i>Icarus</i> , 2014, 239, 154-159.	2.5	20
18	Yarkovsky-driven spreading of the Eureka family of Mars Trojans. <i>Icarus</i> , 2015, 252, 339-346.	2.5	20

#	ARTICLE	IF	CITATIONS
19	Excitation of Lunar Eccentricity by Planetary Resonances. <i>Science</i> , 2007, 318, 244-244.	12.6	18
20	The energy budget and figure of Earth during recovery from the Moon-forming giant impact. <i>Earth and Planetary Science Letters</i> , 2020, 530, 115885.	4.4	15
21	Irregular satellite capture during planetary resonance passage. <i>Icarus</i> , 2006, 183, 362-372.	2.5	14
22	Dynamical evolution of the Hungaria asteroids. <i>Icarus</i> , 2010, 210, 644-654.	2.5	14
23	The fate of primordial lunar Trojans. <i>Icarus</i> , 2009, 199, 237-244.	2.5	11
24	Early Dynamics of the Lunar Core. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 2917-2928.	3.6	10
25	Planetary chaos and the (In)stability of Hungaria asteroids. <i>Icarus</i> , 2018, 304, 9-13.	2.5	8
26	Barrel Instability in Binary Asteroids. <i>Planetary Science Journal</i> , 2021, 2, 231.	3.6	8
27	Rebuttal to the comment by Malhotra and Strom on "Constraints on the source of lunar cataclysm impactors" <i>Icarus</i> , 2011, 216, 363-365.	2.5	6
28	Evidence for a Past Martian Ring from the Orbital Inclination of Deimos. <i>Astrophysical Journal Letters</i> , 2020, 896, L28.	8.3	6
29	Tidal Evolution of the Earth-Moon System with a High Initial Obliquity. <i>Planetary Science Journal</i> , 2021, 2, 147.	3.6	5
30	Resonances near the orbit of 2003 VB ₁₂ (Sedna). <i>Proceedings of the International Astronomical Union</i> , 2004, 2004, 341-348.	0.0	3
31	Lunar shape does not record a past eccentric orbit. <i>Icarus</i> , 2011, 211, 97-100.	2.5	3
32	Three-body Resonances in the Saturnian System. <i>Astrophysical Journal Letters</i> , 2022, 926, L18.	8.3	3
33	Cupid is not Doomed Yet: On the Stability of the Inner Moons of Uranus. <i>Astronomical Journal</i> , 2022, 164, 38.	4.7	2
34	Simulating the Phases of the Moon Shortly After Its Formation. <i>Physics Teacher</i> , 2014, 52, 239-240.	0.3	1
35	Secular Resonance Between Iapetus and the Giant Planets. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	4.4	1
36	Kick for the cosmic clockwork. <i>Nature Geoscience</i> , 2012, 5, 7-8.	12.9	0