

Carlos de la Fuente Marcos

List of Publications by Year in descending order

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72
papers

979
citations

471061

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580395

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73
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73
docs citations

73
times ranked

645
citing authors

#	ARTICLE	IF	CITATIONS
1	Extreme trans-Neptunian objects and the Kozai mechanism: signalling the presence of trans-Plutonian planets. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2014, 443, L59-L63.	1.2	76
2	On the dynamical evolution of 2002 VE ₆₈ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 427, 728-739.	1.6	61
3	Asteroid (469219) 2016 HO ₃ , the smallest and closest Earth quasi-satellite. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, 3441-3456.	1.6	57
4	Flipping minor bodies: what comet 96P/Machholz 1 can tell us about the orbital evolution of extreme trans-Neptunian objects and the production of near-Earth objects on retrograde orbits. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 446, 1867-1873.	1.6	49
5	Three new stable L5 Mars Trojans. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2013, 432, L31-L35.	1.2	43
6	A resonant family of dynamically cold small bodies in the near-Earth asteroid belt. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2013, 434, L1-L5.	1.2	43
7	Dynamical impact of the Planet Nine scenario: <i>i>N</i> -body experiments. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2016, 460, L123-L127.	1.2	39
8	Finding Planet Nine: apsidal anti-alignment Monte Carlo results. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, 1972-1977.	1.6	37
9	Pole, Pericenter, and Nodes of the Interstellar Minor Body A/2017 U1. <i>Research Notes of the AAS</i> , 2017, 1, 5.	0.3	37
10	Asteroid 2015 DB ₂₁₆ : a recurring co-orbital companion to Uranus. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 453, 1288-1296.	1.6	34
11	From Star Complexes to the Field: Open Cluster Families. <i>Astrophysical Journal</i> , 2008, 672, 342-351.	1.6	32
12	Evidence for a possible bimodal distribution of the nodal distances of the extreme trans-Neptunian objects: Avoiding a trans-Plutonian planet or just plain bias?. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2017, 471, L61-L65.	1.2	30
13	Asteroid 2013 ND15: Trojan companion to Venus, PHA to the Earth. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 439, 2970-2977.	1.6	28
14	Interstellar Visitors: A Physical Characterization of Comet C/2019 Q4 (Borisov) with OSIRIS at the 10.4 μ m GTC. <i>Research Notes of the AAS</i> , 2019, 3, 131.	0.3	25
15	Where the Solar system meets the solar neighbourhood: patterns in the distribution of radiant of observed hyperbolic minor bodies. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2018, 476, L1-L5.	1.2	24
16	Asteroid 2014 OL339: yet another Earth quasi-satellite. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 445, 2985-2994.	1.6	21
17	The Chelyabinsk superbolide: a fragment of asteroid 2011 EO40?. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2013, 436, L15-L19.	1.2	17
18	Finding Planet Nine: a Monte Carlo approach. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2016, 459, L66-L70.	1.2	17

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19	Far from random: dynamical groupings among the NEO population. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 456, 2946-2956.	1.6	17
20	Geometric characterization of the Arjuna orbital domain. <i>Astronomische Nachrichten</i> , 2015, 336, 5-22.	0.6	14
21	A trio of horseshoes: past, present and future dynamical evolution of Earth co-orbital asteroids 2015 XX 169 $\text{\$mbox{XX}_{169}\$}$, 2015 YA and 2015 YQ 1 $\text{\$mbox{YQ}_{1}\$}$. <i>Astrophysics and Space Science</i> , 2016, 361, 1.	0.5	13
22	On the orbital evolution of 2020AAV2, the first asteroid ever observed to go around the Sun inside the orbit of Venus. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2020, 494, L6-L10.	1.2	13
23	Asteroid 2012 XE133: a transient companion to Venus. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 432, 886-893.	1.6	11
24	Binary stripping as a plausible origin of correlated pairs of extreme trans-Neptunian objects. <i>Astrophysics and Space Science</i> , 2017, 362, 1.	0.5	11
25	Dynamical evolution of near-Earth asteroid 1991 VG. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 2939-2948.	1.6	11
26	Flying far and fast: the distribution of distant hypervelocity star candidates from <i>Gaia</i> DR2 data. <i>Astronomy and Astrophysics</i> , 2019, 627, A104.	2.1	11
27	Spectroscopic and dynamical properties of comet C/2018 F4, likely a true average former member of the Oort cloud. <i>Astronomy and Astrophysics</i> , 2019, 625, A133.	2.1	11
28	Visible and near-infrared observations of interstellar comet 2I/Borisov with the 10.4-m GTC and the 3.6-m TNG telescopes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 495, 2053-2062.	1.6	11
29	An Independent Confirmation of the Future Flyby of Gliese 710 to the Solar System Using Gaia DR2. <i>Research Notes of the AAS</i> , 2018, 2, 30.	0.3	11
30	From horseshoe to quasi-satellite and back again: the curious dynamics of Earth co-orbital asteroid 2015 SO2. <i>Astrophysics and Space Science</i> , 2016, 361, 1.	0.5	9
31	Visible spectra of (474640) 2004 VN ₁₁₂ “2013 RF ₉₈ ” with OSIRIS at the 10.4m GTC: evidence for binary dissociation near aphelion among the extreme trans-Neptunian objects. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2017, 467, L66-L70.	1.2	9
32	Dynamically correlated minor bodies in the outer Solar system. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 474, 838-846.	1.6	9
33	Dancing with Venus in the shadow of the Earth: a pair of genetically related near-Earth asteroids trapped in a mean-motion resonance. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2019, 483, L37-L41.	1.2	9
34	Infrequent visitors of the Kozai kind: the dynamical lives of 2012 FC ₇₁ , 2014 EK ₂₄ , 2014 QD ₃₆₄ , and 2014 UR. <i>Astronomy and Astrophysics</i> , 2015, 580, A109.	2.1	9
35	CHASING THE CHELYABINSK ASTEROID-N-BODY STYLE. <i>Astrophysical Journal</i> , 2015, 812, 26.	1.6	8
36	Commensurabilities between ETNOs: a Monte Carlo survey. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2016, 460, L64-L68.	1.2	8

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37	On the orbital evolution of meteoroid 2020 CD3, a temporarily captured orbiter of the Earth-Moon system. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 1089-1094.	1.6	8
38	Homing in for New Year: impact parameters and pre-impact orbital evolution of meteoroid 2014 AA. <i>Astrophysics and Space Science</i> , 2016, 361, 1.	0.5	7
39	Asteroid 2017 FZ2 et al.: signs of recent mass-shedding from YORP?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 3434-3453.	1.6	7
40	Physical characterization of 2020 AV2, the first known asteroid orbiting inside Venus orbit. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 3572-3581.	1.6	7
41	Reconstructing the Chelyabinsk event: pre-impact orbital evolution. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2014, 443, L39-L43.	1.2	6
42	Recent multi-kiloton impact events: are they truly random?. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2015, 446, L31-L35.	1.2	6
43	Understanding the evolution of Atira-class asteroid 2019 AQ3, a major step towards the future discovery of the Vatira population. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 2742-2752.	1.6	6
44	Transient Co-orbitals of Venus: An Update. <i>Research Notes of the AAS</i> , 2017, 1, 3.	0.3	6
45	Kozai-Lidov Resonant Behavior Among Atira-class Asteroids. <i>Research Notes of the AAS</i> , 2018, 2, 46.	0.3	6
46	Hot and Eccentric: The Discovery of 2019 LF6 as a New Step in the Quest for the Vatira Population. <i>Research Notes of the AAS</i> , 2019, 3, 106.	0.3	6
47	Comet C/2018 V1 (Machholz-Fujikawa-Iwamoto): dislodged from the Oort Cloud or coming from interstellar space?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 951-961.	1.6	5
48	Transient Terrestrial Trojans: Comparative Short-term Dynamical Evolution of 2010 TK ₇ and 2020 XL ₅ . <i>Research Notes of the AAS</i> , 2021, 5, 29.	0.3	5
49	Peculiar orbits and asymmetries in extreme trans-Neptunian space. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 633-649.	1.6	5
50	Using Mars co-orbitals to estimate the importance of rotation-induced YORP break-up events in Earth co-orbital space. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 501, 6007-6025.	1.6	4
51	On the Pre-impact Orbital Evolution of 2018 LA, Parent Body of the Bright Fireball Observed Over Botswana on 2018 June 2. <i>Research Notes of the AAS</i> , 2018, 2, 57.	0.3	4
52	Waiting to make an impact: a probable excess of near-Earth asteroids in 2018 LA-like orbits. <i>Astronomy and Astrophysics</i> , 2019, 621, A137.	2.1	3
53	LP 543-25: A Rare Low-mass Runaway Disk Star. <i>Research Notes of the AAS</i> , 2018, 2, 35.	0.3	3
54	Ordinary Oort Cloud Comets: An Update on the Past and Future Orbital Evolution of C/2018 F4 (PANSTARRS). <i>Research Notes of the AAS</i> , 2019, 3, 143.	0.3	3

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55	Searching for the lost Unicorn: a prominent feature in the radial velocity distribution of stars in Vela from <i>Gaia</i> DR2 data. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2018, 481, L64-L68.	1.2	2
56	Memories of past close encounters in extreme trans-Neptunian space: Finding unseen planets using pure random searches. <i>Astronomy and Astrophysics</i> , 2021, 646, L14.	2.1	2
57	Comet C/2017 K2 (PANSTARRS): Dynamically Old or New?. <i>Research Notes of the AAS</i> , 2018, 2, 10.	0.3	2
58	A Fruit of a Different Kind: 2015 BP ₅₁₉ as an Outlier Among the Extreme Trans-neptunian Objects. <i>Research Notes of the AAS</i> , 2018, 2, 167.	0.3	2
59	An Update on the Future Flyby of Gliese 710 to the Solar System Using Gaia EDR3: Slightly Closer and a Tad Later than Previous Estimates. <i>Research Notes of the AAS</i> , 2020, 4, 222.	0.3	2
60	Roaming the Relativistic Realm: Short-term Dynamical Evolution of Atira 2021 PH ₂₇ . <i>Research Notes of the AAS</i> , 2021, 5, 205.	0.3	1
61	Pre-airburst Orbital Evolution of Earth's Impactor 2018 LA: An Update. <i>Research Notes of the AAS</i> , 2018, 2, 131.	0.3	1
62	Near the Edge of the Atira Orbital Realm: Short-term Dynamical Evolution of 2020 ^Å HA ₁₀ and 2020 ^Å OV ₁ . <i>Research Notes of the AAS</i> , 2020, 4, 123.	0.3	1
63	Twisted extreme trans-Neptunian orbital parameter space: statistically significant asymmetries confirmed. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 0, , .	1.2	1
64	Activity of the Jupiter co-orbital comet P/2019 LD2 (ATLAS) observed with OSIRIS at the 10.4 m GTC. <i>Astronomy and Astrophysics</i> , 2021, 650, A79.	2.1	0
65	Centaur 2013 VZ70 : Debris from Saturn's irregular moon population?. <i>Astronomy and Astrophysics</i> , 0, , .	2.1	0
66	Ghosts of Jupiter's Past: Is 2017 UV ₄₃ a Relative of Comet Shoemaker-Levy 9?. <i>Research Notes of the AAS</i> , 2017, 1, 45.	0.3	0
67	Correlated Asteroid Pairs After Encounters With An Unseen Planetary Body Beyond Neptune. , 2018, , .		0
68	Asteroid 1991 VG: Certainly Peculiar But Definitely Not Alien. , 2018, , .		0
69	2MASS J06562998+3002455: Not a Cool White Dwarf Candidate, but a Population II Halo Star. <i>Research Notes of the AAS</i> , 2018, 2, 45.	0.3	0
70	Physical and dynamical characterization of hyperbolic comet C/2017 U7 (PANSTARRS). <i>Icarus</i> , 2022, 377, 114834.	1.1	0
71	Distant trans-Neptunian object candidates from NASA's TESS mission scrutinised: fainter than predicted or false positives?. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 0, , .	1.2	0
72	An Update on the Future Flyby of Gliese 710 to the Solar System Using Gaia DR3: Flyby Parameters Reproduced, Uncertainties Reduced. <i>Research Notes of the AAS</i> , 2022, 6, 136.	0.3	0