Fernando Roig

List of Publications by Year in descending order

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75 papers	2,280 citations	201674 27 h-index	223800 46 g-index
77 all docs	77 docs citations	77 times ranked	1828 citing authors

#	Article	IF	Citations
1	The Role of Early Giant-planet Instability in Terrestrial Planet Formation. Astronomical Journal, 2021, 161, 50.	4.7	35
2	IVIA - Ibero-American VLBI Initiative -Progress on the Brazilian side. Anais Da Academia Brasileira De Ciencias, 2021, 93, e20201697.	0.8	0
3	Can a jumping-Jupiter trigger the Moonâ€™s formation impact?. Monthly Notices of the Royal Astronomical Society, 2021, 507, 539-547.	4.4	10
4	The miniJPAS survey: A preview of the Universe in 56 colors. Astronomy and Astrophysics, 2021, 653, A31.	5.1	54
5	<scp>isymba</scp>: a symplectic massive bodies integrator with planets interpolation. Monthly Notices of the Royal Astronomical Society, 2021, 508, 4858-4868.	4.4	3
6	OASI: A Brazilian Observatory Dedicated to the Study of Small Solar System Bodiesâ€”Some Results on NEOâ€™s Physical Properties. Publications of the Astronomical Society of the Pacific, 2020, 132, 065001.	3.1	7
7	A super-Earth and a mini-Neptune around Kepler-59. Monthly Notices of the Royal Astronomical Society, 2020, 491, 5238-5247.	4.4	5
8	Modeling the Chronologies and Size Distributions of Ceres and Vesta Craters. Astronomical Journal, 2020, 160, 110.	4.7	9
9	The Southern Photometric Local Universe Survey (S-PLUS): improved SEDs, morphologies, and redshifts with 12 optical filters. Monthly Notices of the Royal Astronomical Society, 2019, 489, 241-267.	4.4	92
10	The s-process enriched star HD 55496: origin from a globular cluster or from the tidal disruption of a dwarf galaxy?. Monthly Notices of the Royal Astronomical Society, 2019, 488, 482-494.	4.4	6
11	Search for Sodium-rich Stars among Metal-poor Stars*. Astronomical Journal, 2019, 157, 70.	4.7	8
12	Masses of the Kepler-419 planets from transit timing variations analysis. Monthly Notices of the Royal Astronomical Society, 2019, 482, 4965-4971.	4.4	4
13	J-PLUS: The Javalambre Photometric Local Universe Survey. Astronomy and Astrophysics, 2019, 622, A176.	5.1	124
14	Dynamical Origin and Terrestrial Impact Flux of Large Near-Earth Asteroids. Astronomical Journal, 2018, 155, 42.	4.7	9
15	Modeling the evection resonance for Trojan satellites: application to the Saturn system. Astronomy and Astrophysics, 2018, 620, A90.	5.1	2
16	The resonant population of asteroids in librating states of the Î½6 linear secular resonance. Monthly Notices of the Royal Astronomical Society, 2018, 481, 1707-1717.	4.4	4
17	Modeling the Historical Flux of Planetary Impactors. Astronomical Journal, 2017, 153, 103.	4.7	70
18	High-resolution Optical Spectroscopic Observations of Four Symbiotic Stars: AS 255, MWC 960, RW Hya, and StHÎ± 32*. Astrophysical Journal, 2017, 841, 50.	4.5	2

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19	Masses of Kepler-46b, c from Transit Timing Variations. Astronomical Journal, 2017, 153, 198.	4.7	32
20	Chemical abundances and kinematics of TYC 5619-109-1. Monthly Notices of the Royal Astronomical Society, 2017, 469, 774-786.	4.4	13
21	Scattering V-type asteroids during the giant planet instability: a step for Jupiter, a leap for basalt. Monthly Notices of the Royal Astronomical Society, 2017, 468, 1236-1244.	4.4	14
22	High-resolution spectroscopic observations of the new CEMP-s star CD â˜'50Â°776. Monthly Notices of the Royal Astronomical Society, 2017, 472, 350-360.	4.4	6
23	Dynamical study of the Atira group of asteroids. Monthly Notices of the Royal Astronomical Society, 2016, 458, 4471-4476.	4.4	14
24	Chemical abundances and kinematics of barium stars. Monthly Notices of the Royal Astronomical Society, 2016, 459, 4299-4324.	4.4	54
25	THE ORBITAL DISTRIBUTION OF TRANS-NEPTUNIAN OBJECTS BEYOND 50 au. Astrophysical Journal Letters, 2016, 827, L35.	8.3	37
26	JUMPING JUPITER CAN EXPLAIN MERCURYâ€™S ORBIT. Astrophysical Journal Letters, 2016, 820, L30.	8.3	48
27	Dynamical dispersal of primordial asteroid families. Icarus, 2016, 266, 142-151.	2.5	22
28	DIVISION A COMMISSION 7: CELESTIAL MECHANICS AND DYNAMICAL ASTRONOMY. Proceedings of the International Astronomical Union, 2015, 11, 24-45.	0.0	0
29	The IMPACTON Project: Pole and Shape of Eight Near-Earth Asteroids. Proceedings of the International Astronomical Union, 2015, 10, 181-184.	0.0	1
30	THE EVOLUTION OF ASTEROIDS IN THE JUMPING-JUPITER MIGRATION MODEL. Astronomical Journal, 2015, 150, 186.	4.7	80
31	HIGH-RESOLUTION SPECTROSCOPIC OBSERVATIONS OF BINARY STARS AND YELLOW STRAGGLERS IN THREE OPEN CLUSTERS : NGC 2360, NGC 3680, AND NGC 5822. Astronomical Journal, 2014, 148, 83.	4.7	16
32	A ring system detected around the Centaur (10199) Chariklo. Nature, 2014, 508, 72-75.	27.8	230
33	The first confirmation of V-type asteroids among the Mars crosser population. Planetary and Space Science, 2014, 92, 57-64.	1.7	7
34	Capture probability in the 3:1 mean motion resonance with Jupiter: an application to the Vesta family. Celestial Mechanics and Dynamical Astronomy, 2014, 119, 1-25.	1.4	5
35	A multidomain approach to asteroid familiesâ€™ identification. Monthly Notices of the Royal Astronomical Society, 2013, 433, 2075-2096.	4.4	50
36	DIVISION I: COMMISSION 7: CELESTIAL MECHANICS & DYNAMICAL ASTRONOMY. Proceedings of the International Astronomical Union, 2013, 10, 83-86.	0.0	0

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37	Chaotic diffusion caused by close encounters with several massive asteroids. Astronomy and Astrophysics, 2013, 550, A85.	5.1	15
38	A study of two high-velocity red horizontal branch stars. Astronomy and Astrophysics, 2013, 559, A12.	5.1	8
39	CD-62Â°1346: an extreme halo or hypervelocity CHÂstar?. Astronomy and Astrophysics, 2012, 543, A58.	5.1	22
40	Chemical abundances and kinematics of a sample of metal-rich barium stars. Astronomy and Astrophysics, 2011, 533, A51.	5.1	31
41	Evolution of planet crossing asteroids in the inner Main Belt. Journal of Physics: Conference Series, 2011, 285, 012024.	0.4	1
42	COMMISSION 7: CELESTIAL MECHANICS AND DYNAMICAL ASTRONOMY. Proceedings of the International Astronomical Union, 2011, 7, 15-20.	0.0	0
43	Origin and sustainability of the population of asteroids captured in the exterior resonance 1:2 with Mars. Icarus, 2011, 214, 632-644.	2.5	13
44	HIGH-RESOLUTION SPECTROSCOPIC OBSERVATIONS OF FOUR YELLOW-TYPE SYMBIOTIC STARS: CD-43Â°14304, HEN 3-1213, HEN 3-863, AND StHÎ± 176. Astronomical Journal, 2009, 137, 118-128.	4.7	13
45	Two new V-type asteroids in the outer Main Belt?. Planetary and Space Science, 2009, 57, 229-234.	1.7	42
46	The Distribution of Main Belt Asteroids with Featureless Spectra from the Sloan Digital Sky Survey Photometry. Proceedings of the International Astronomical Union, 2009, 5, 237-239.	0.0	0
47	The Modeling and Dynamics of Small Asteroids as Physical Bodies. , 2009, , .		0
48	Fugitives from the Vesta family. Icarus, 2008, 193, 85-95.	2.5	78
49	V-type asteroids in the middle main belt. Icarus, 2008, 194, 125-136.	2.5	64
50	Taxonomy of asteroid families among the Jupiter Trojans: comparison between spectroscopic data and the Sloan Digital Sky Survey colors. Astronomy and Astrophysics, 2008, 483, 911-931.	5.1	71
51	Modeling close encounters with massive asteroids: a Markovian approach. Astronomy and Astrophysics, 2007, 465, 315-330.	5.1	27
52	Spectroscopic observations of the rapid rotating post-AGBÂstar IRASÂ05381+1012. Astronomy and Astrophysics, 2006, 452, 571-577.	5.1	2
53	Selecting candidate V-type asteroids from the analysis of the Sloan Digital Sky Survey colors. Icarus, 2006, 183, 411-419.	2.5	69
54	Yarkovsky origin of the unstable asteroids in the 2/1 mean motion resonance with Jupiter. Monthly Notices of the Royal Astronomical Society, 2005, 359, 1437-1455.	4.4	19

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55	Reanalysis of asteroid families structure through visible spectroscopy. Icarus, 2005, 174, 54-80.	2.5	111
56	On the V-type asteroids outside the Vesta family. Astronomy and Astrophysics, 2005, 441, 819-829.	5.1	68
57	Asteroid proper elements: recent computational progress. Proceedings of the International Astronomical Union, 2004, 2004, 121-134.	0.0	1
58	The population of asteroids in the 2:1 mean motion resonance with Jupiter revised. Proceedings of the International Astronomical Union, 2004, 2004, 179-186.	0.0	0
59	The role of the resonant â€œstickinessâ€• in the dynamical evolution of Jupiter family comets. Proceedings of the International Astronomical Union, 2004, 2004, 205-208.	0.0	0
60	Interacting ellipsoids: a minimal model for the dynamics of rubble-pile bodies. Icarus, 2003, 165, 355-370.	2.5	10
61	Origin of the Basaltic Asteroid 1459 Magnya: A Dynamical and Mineralogical Study of the Outer Main Belt. Icarus, 2002, 158, 343-359.	2.5	76
62	Effects of Planetary Migration on Natural Satellites of the Outer Planets. Icarus, 2002, 158, 483-498.	2.5	18
63	Asteroids in the 2 : 1 resonance with Jupiter: dynamics and size distribution. Monthly Notices of the Royal Astronomical Society, 2002, 335, 417-431.	4.4	23
64	Mean Motion Resonances in the Transneptunian Region Part II: The 1 : 2, 3 : 4, and Weaker Resonances. Icarus, 2001, 150, 104-123.	2.5	60
65	A Semianalytical Model for the Motion of the Trojan Asteroids: Proper Elements and Families. Icarus, 2001, 153, 391-415.	2.5	102
66	A COMPARISON BETWEEN METHODS TO COMPUTE LYAPUNOV EXPONENTS. Astronomical Journal, 2001, 121, 1171-1179.	4.7	89
67	Planetary Migration and the Effects of Mean Motion Resonances on Jupiterâ€™s Trojan Asteroids. Astronomical Journal, 2001, 122, 3485-3491.	4.7	28
68	Close Approaches of Trans-Neptunian Objects to Pluto Have Left Observable Signatures on Their Orbital Distribution. Astronomical Journal, 2000, 119, 953-969.	4.7	28
69	Mean Motion Resonances in the Trans-neptunian Region. Icarus, 2000, 148, 282-300.	2.5	49
70	Dynamics of Real Asteroid at the Hecuba Gap. International Astronomical Union Colloquium, 1999, 172, 387-388.	0.1	0
71	A symplectic mapping approach of the dynamics of the Hecuba gap. Planetary and Space Science, 1999, 47, 653-664.	1.7	16
72	A Symplectic Mapping Approach for the Study of Stochasticity in Three Dimensional Asteroidal Resonances. , 1999, , 13-18.		0

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73	Dynamics of Real Asteroid at the Hecuba Gap. , 1999, , 387-388.		0
74	The depletion of the Hecuba gap vs the long-lasting Hilda group. Planetary and Space Science, 1998, 46, 1425-1432.	1.7	24
75	The Determinant Role of Jupiter's Great Inequality in the Depletion of the Hecuba Gap. Astronomical Journal, 1998, 116, 1491-1500.	4.7	29