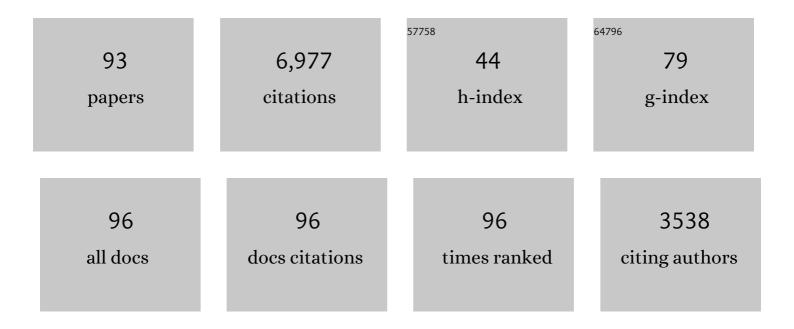
List of Publications by Year in descending order

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Ρενιί Μλιμότρα

#	Article	IF	CITATIONS
1	An Integrative Analysis of the HD 219134 Planetary System and the Inner solar system: Extending DYNAMITE with Enhanced Orbital Dynamical Stability Criteria. Astronomical Journal, 2022, 163, 88.	4.7	3
2	Pluto near the edge of chaos. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2118692119.	7.1	4
3	Assessing and minimizing collisions in satellite mega-constellations. Advances in Space Research, 2021, 67, 3755-3774.	2.6	16
4	Refining the Transit-timing and Photometric Analysis of TRAPPIST-1: Masses, Radii, Densities, Dynamics, and Ephemerides. Planetary Science Journal, 2021, 2, 1.	3.6	161
5	Pluto's Resonant Orbit Visualized in 4D. Research Notes of the AAS, 2021, 5, 235.	0.7	1
6	Lunar-like silicate material forms the Earth quasi-satellite (469219) 2016 HO3 Kamoʻoalewa. Communications Earth & Environment, 2021, 2, .	6.8	9
7	New results on orbital resonances. Proceedings of the International Astronomical Union, 2021, 15, 85-101.	0.0	1
8	Lunar close encounters compete with the circumterrestrial Lidov–Kozai effect. Celestial Mechanics and Dynamical Astronomy, 2020, 132, 1.	1.4	3
9	On the divergence of first-order resonance widths at low eccentricities. Monthly Notices of the Royal Astronomical Society, 2020, 496, 3152-3160.	4.4	9
10	The Evolution of Dust Disk Sizes from a Homogeneous Analysis of 1–10 Myr old Stars. Astrophysical Journal, 2020, 895, 126.	4.5	57
11	Search for L5 Earth Trojans with DECam. Monthly Notices of the Royal Astronomical Society, 2020, 492, 6105-6119.	4.4	17
12	Dynamical Instabilities in Systems of Multiple Short-period Planets Are Likely Driven by Secular Chaos: A Case Study of Kepler-102. Astronomical Journal, 2020, 160, 98.	4.7	18
13	A Disk-driven Resonance as the Origin of High Inclinations of Close-in Planets. Astrophysical Journal Letters, 2020, 902, L5.	8.3	30
14	Observational Completion Limit of Minor Planets from the Asteroid Belt to Jupiter Trojans. Planetary Science Journal, 2020, 1, 75.	3.6	11
15	Neptune's resonances in the scattered disk. Celestial Mechanics and Dynamical Astronomy, 2019, 131, 1.	1.4	25
16	Not a Simple Relationship between Neptune's Migration Speed and Kuiper Belt Inclination Excitation. Astronomical Journal, 2019, 158, 64.	4.7	24
17	Extreme Debris Disk Variability: Exploring the Diverse Outcomes of Large Asteroid Impacts During the Era of Terrestrial Planet Formation. Astronomical Journal, 2019, 157, 202.	4.7	23
18	Resonant Kuiper belt objects: a review. Geoscience Letters, 2019, 6, 12.	3.3	19

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19	The Mid-plane of the Main Asteroid Belt. Astronomical Journal, 2018, 155, 143.	4.7	6
20	On the Detectability of Planet X with LSST. Astronomical Journal, 2018, 155, 243.	4.7	4
21	Neptune's 5:2 Resonance in the Kuiper Belt. Astronomical Journal, 2018, 156, 55.	4.7	26
22	Simplified Derivation of the Collision Probability of Two Objects in Independent Keplerian Orbits. Astronomical Journal, 2017, 153, 235.	4.7	14
23	The Curiously Warped Mean Plane of the Kuiper Belt. Astronomical Journal, 2017, 154, 62.	4.7	45
24	Eccentricity distribution in the main asteroid belt. Monthly Notices of the Royal Astronomical Society, 2017, 465, 4381-4389.	4.4	8
25	Mean Motion Resonances at High Eccentricities: The 2:1 and the 3:2 Interior Resonances. Astronomical Journal, 2017, 154, 20.	4.7	46
26	ALMA 1.3 mm Map of the HD 95086 System. Astronomical Journal, 2017, 154, 225.	4.7	56
27	CORRALLING A DISTANT PLANET WITH EXTREME RESONANT KUIPER BELT OBJECTS. Astrophysical Journal Letters, 2016, 824, L22.	8.3	72
28	Lightcurves of the Karin family asteroids. Icarus, 2016, 269, 15-22.	2.5	2
29	The current impact flux on Mars and its seasonal variation. Icarus, 2015, 262, 140-153.	2.5	28
30	PLANETARY CHAOTIC ZONE CLEARING: DESTINATIONS AND TIMESCALES. Astrophysical Journal, 2015, 799, 41.	4.5	58
31	DEBRIS DISTRIBUTION IN HD 95086—A YOUNG ANALOG OF HR 8799. Astrophysical Journal, 2015, 799, 146.	4.5	58
32	THE MASS DISTRIBUTION FUNCTION OF PLANETS. Astrophysical Journal, 2015, 808, 71.	4.5	36
33	The inner solar system cratering record and the evolution of impactor populations. Research in Astronomy and Astrophysics, 2015, 15, 407-434.	1.7	58
34	PREDICTIONS FOR SHEPHERDING PLANETS IN SCATTERED LIGHT IMAGES OF DEBRIS DISKS. Astrophysical Journal, 2014, 780, 65.	4.5	51
35	On the non-uniform distribution of the angular elements of near-Earth objects. Icarus, 2014, 229, 236-246.	2.5	16
36	Do Centaurs preserve their source inclinations?. Icarus, 2013, 224, 66-73.	2.5	55

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37	PLANETS NEAR MEAN-MOTION RESONANCES. Astrophysical Journal, 2013, 770, 24.	4.5	116
38	ASTEROID BELTS IN DEBRIS DISK TWINS: VEGA AND FOMALHAUT. Astrophysical Journal, 2013, 763, 118.	4.5	145
39	Chaotic Exchange of Solid Material Between Planetary Systems: Implications for Lithopanspermia. Astrobiology, 2012, 12, 754-774.	3.0	74
40	The effect of orbital evolution on the Haumea (2003 EL61) collisional family. Icarus, 2012, 221, 106-115.	2.5	21
41	INCLINATION MIXING IN THE CLASSICAL KUIPER BELT. Astrophysical Journal, 2011, 736, 11.	4.5	32
42	SECULAR RESONANCE SWEEPING OF THE MAIN ASTEROID BELT DURING PLANET MIGRATION. Astrophysical Journal, 2011, 732, 53.	4.5	90
43	Comment on "Constraints on the source of lunar cataclysm impactors―(Cuk et al., 2010, Icarus 207,) Tj ETQ	9q1 1 0.78 2.5	4314 rgBT /
44	Long-Term Cycling of Kozai-Lidov Cycles: Extreme Eccentricities and Inclinations Excited by a Distant Eccentric Perturber. Physical Review Letters, 2011, 107, 181101.	7.8	173
45	LOCATING PLANETESIMAL BELTS IN THE MULTIPLE-PLANET SYSTEMS HD 128311, HD 202206, HD 82943, AND H 8799. Astrophysical Journal, 2010, 717, 1123-1139.	R _{4.5}	64
46	Dynamical erosion of the asteroid belt and implications for large impacts in the inner Solar System. Icarus, 2010, 207, 744-757.	2.5	144
47	CHAOTIC DIFFUSION OF RESONANT KUIPER BELT OBJECTS. Astronomical Journal, 2009, 138, 827-837.	4.7	48
48	A record of planet migration in the main asteroid belt. Nature, 2009, 457, 1109-1111.	27.8	143
49	Two dynamical classes of Centaurs. Icarus, 2009, 203, 155-163.	2.5	62
50	COMMISSION 7: CELESTIAL MECHANICS AND DYNAMICAL ASTRONOMY. Proceedings of the International Astronomical Union, 2008, 4, 12-22.	0.0	0
51	The Scattered Disk as the Source of the Jupiter Family Comets. Astrophysical Journal, 2008, 687, 714-725.	4.5	111
52	Prospects for the Habitability of OGLE-2006-BLG-109L. Astrophysical Journal, 2008, 683, L67-L70.	4.5	30
53	Are Debris Disks and Massive Planets Correlated?. Astrophysical Journal, 2007, 658, 1312-1321.	4.5	69
54	Assessing the Massive Young Sun Hypothesis to Solve the Warm Young Earth Puzzle. Astrophysical Journal, 2007, 660, 1700-1706.	4.5	49

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55	The Dust, Planetesimals, and Planets of HD 38529. Astrophysical Journal, 2007, 668, 1165-1173.	4.5	57
56	The Formation and Evolution of Planetary Systems: Placing Our Solar System in Context withSpitzer. Publications of the Astronomical Society of the Pacific, 2006, 118, 1690-1710.	3.1	80
57	SIZE DISTRIBUTION OF ASTEROIDS AND OLD TERRESTRIAL CRATERS: IMPLICATIONS FOR ASTEROIDAL DYNAMICS DURING LHB. , 2006, , 337-343.		0
58	Formation and Evolution of Planetary Systems: Upper Limits to the Gas Mass in Disks around Sunâ€ i ke Stars. Astrophysical Journal, 2006, 651, 1177-1193.	4.5	142
59	Dynamical transport of asteroid fragments from the ν6 resonance. Advances in Space Research, 2006, 38, 817-825.	2.6	27
60	Neptune's Migration into a Stirred-Up Kuiper Belt: A Detailed Comparison of Simulations to Observations. Astronomical Journal, 2005, 130, 2392-2414.	4.7	177
61	Signatures of Planets in Spatially Unresolved Debris Disks. Astrophysical Journal, 2005, 621, 1079-1097.	4.5	29
62	Dust Outflows and Inner Gaps Generated by Massive Planets in Debris Disks. Astrophysical Journal, 2005, 633, 1150-1167.	4.5	36
63	Formation and Evolution of Planetary Systems: Cold Outer Disks Associated with Sunâ€like Stars. Astrophysical Journal, 2005, 632, 659-669.	4.5	56
64	The Origin of Planetary Impactors in the Inner Solar System. Science, 2005, 309, 1847-1850.	12.6	397
65	Photometric Observations of a Very Young Family-Member Asteroid (832) Karin. Publication of the Astronomical Society of Japan, 2004, 56, 1105-1113.	2.5	20
66	Survival of Trojan-type companions of Neptune during primordial planet migration. Icarus, 2004, 167, 347-359.	2.5	47
67	Secular dynamics of the three-body problem: application to the Ï Andromedae planetary system. Icarus, 2004, 168, 237-248.	2.5	120
68	The Size Distribution of Trans-Neptunian Bodies. Astronomical Journal, 2004, 128, 1364-1390.	4.7	384
69	The Formation and Evolution of Planetary Systems: First Results from a Spitzer Legacy Science Program. Astrophysical Journal, Supplement Series, 2004, 154, 422-427.	7.7	67
70	The Dynamics of Known Centaurs. Astronomical Journal, 2003, 126, 3122-3131.	4.7	140
71	Dynamical Models of Kuiper Belt Dust in the Inner and Outer Solar System. Astronomical Journal, 2003, 125, 2255-2265.	4.7	69
72	A Study of the Dynamics of Dust from the Kuiper Belt: Spatial Distribution and Spectral Energy Distribution. Astronomical Journal, 2002, 124, 2305-2321.	4.7	101

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73	A Dynamical Mechanism for Establishing Apsidal Resonance. Astrophysical Journal, 2002, 575, L33-L36.	4.5	74
74	Observational Limits on a Distant Cold Kuiper Belt. Astronomical Journal, 2002, 124, 2949-2954.	4.7	57
75	The Edge of the Solar System. Astrophysical Journal, 2001, 549, L241-L244.	4.5	104
76	Chaos and stability of the solar system. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 12342-12343.	7.1	13
77	The Ï Andromedae System: Models and Stability. Astrophysical Journal, 2000, 545, 1044-1057.	4.5	63
78	Orbital Evolution of Planets Embedded in a Planetesimal Disk. Astronomical Journal, 1999, 117, 3041-3053.	4.7	309
79	Chaotic planet formation. Nature, 1999, 402, 599-600.	27.8	6
80	The Galilean Satellites. Science, 1999, 286, 77-84.	12.6	141
81	Depletion of the Outer Asteroid Belt. Science, 1997, 275, 375-377.	12.6	51
82	Tidal Evolution into the Laplace Resonance and the Resurfacing of Ganymede. Icarus, 1997, 127, 93-111.	2.5	123
83	Coupled Orbital and Thermal Evolution of Ganymede. Icarus, 1997, 129, 367-383.	2.5	108
84	The Phase Space Structure Near Neptune Resonances in the Kuiper Belt. Astronomical Journal, 1996, 111, 504.	4.7	130
85	The Origin of Pluto's Orbit: Implications for the Solar System Beyond Neptune. Astronomical Journal, 1995, 110, 420.	4.7	505
86	A mapping method for the gravitational few-body problem with dissipation. Celestial Mechanics and Dynamical Astronomy, 1994, 60, 373-385.	1.4	52
87	Nonlinear resonances in the solar system. Physica D: Nonlinear Phenomena, 1994, 77, 289-304.	2.8	14
88	Orbital Resonances in the Solar Nebula: Strengths and Weaknesses. Icarus, 1993, 106, 264-273.	2.5	42
89	The origin of Pluto's peculiar orbit. Nature, 1993, 365, 819-821.	27.8	394
90	Tidal origin of the Laplace resonance and the resurfacing of Ganymede. Icarus, 1991, 94, 399-412.	2.5	92

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91	The role of secondary resonances in the orbital history of Miranda. Icarus, 1990, 85, 444-480.	2.5	85
92	Capture probabilities for secondary resonances. Icarus, 1990, 87, 249-264.	2.5	25
93	Dynamics of the Uranian and Saturnian satelite systems: A chaotic route to melting Miranda?. Icarus, 1988, 76, 295-334.	2.5	178