

AurÃ©lien Crida

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,543
citations

567281

15
h-index

713466

21
g-index

25
all docs

25
docs citations

25
times ranked

1275
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamics of the Giant Planets of the Solar System in the Gaseous Protoplanetary Disk and Their Relationship to the Current Orbital Architecture. <i>Astronomical Journal</i> , 2007, 134, 1790-1798.	4.7	268
2	The dynamics of Jupiter and Saturn in the gaseous protoplanetary disk. <i>Icarus</i> , 2007, 191, 158-171.	2.5	211
3	Pebble-isolation mass: Scaling law and implications for the formation of super-Earths and gas giants. <i>Astronomy and Astrophysics</i> , 2018, 612, A30.	5.1	186
4	Evolution of protoplanetary discs with magnetically driven disc winds. <i>Astronomy and Astrophysics</i> , 2016, 596, A74.	5.1	134
5	Accretion of Saturn's mid-sized moons during the viscous spreading of young massive rings: Solving the paradox of silicate-poor rings versus silicate-rich moons. <i>Icarus</i> , 2011, 216, 535-550.	2.5	123
6	The recent formation of Saturn's moonlets from viscous spreading of the main rings. <i>Nature</i> , 2010, 465, 752-754.	27.8	114
7	LONG RANGE OUTWARD MIGRATION OF GIANT PLANETS, WITH APPLICATION TO FOMALHAUT b. <i>Astrophysical Journal</i> , 2009, 705, L148-L152.	4.5	90
8	Stellar irradiated discs and implications on migration of embedded planets. <i>Astronomy and Astrophysics</i> , 2014, 564, A135.	5.1	79
9	MINIMUM MASS SOLAR NEBULAE AND PLANETARY MIGRATION. <i>Astrophysical Journal</i> , 2009, 698, 606-614.	4.5	61
10	Stellar irradiated discs and implications on migration of embedded planets. <i>Astronomy and Astrophysics</i> , 2014, 570, A75.	5.1	51
11	MIGRATION OF A MOONLET IN A RING OF SOLID PARTICLES: THEORY AND APPLICATION TO SATURN'S PROPELLERS. <i>Astronomical Journal</i> , 2010, 140, 944-953.	4.7	44
12	Highly inclined and eccentric massive planets. <i>Astronomy and Astrophysics</i> , 2017, 598, A70.	5.1	28
13	Mass, Radius, and Composition of the Transiting Planet 55 Cnc e: Using Interferometry and Correlations. <i>Astrophysical Journal</i> , 2018, 860, 122.	4.5	28
14	Are Saturn's rings actually young?. <i>Nature Astronomy</i> , 2019, 3, 967-970.	10.1	25
15	The Origin and Evolution of Saturn, with Exoplanet Perspective. , 2018, , 5-43.		23
16	Capture into first-order resonances and long-term stability of pairs of equal-mass planets. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2018, 130, 1.	1.4	23
17	Mass, Radius, and Composition of the Transiting Planet 55 Cnc e: Using Interferometry and Correlations – A Quick Update. <i>Research Notes of the AAS</i> , 2018, 2, 172.	0.7	14
18	Recipe for making Saturn's rings. <i>Nature</i> , 2010, 468, 903-905.	27.8	11

#	ARTICLE	IF	CITATIONS
19	Effects of global gas flows on type I migration. <i>Astronomy and Astrophysics</i> , 2017, 608, A74.	5.1	9
20	Migration of Jupiter mass planets in discs with laminar accretion flows. <i>Astronomy and Astrophysics</i> , 2022, 658, A32.	5.1	9
21	Complex satellite systems: a general model of formation from rings. <i>Proceedings of the International Astronomical Union</i> , 2014, 9, 182-189.	0.0	5
22	Large tides alert on Saturn. <i>Nature Astronomy</i> , 2020, 4, 1024-1025.	10.1	3
23	Rings in the Solar System: A Short Review. , 2018, , 1-20.		2
24	Shepherds of Saturn's ring. <i>Nature Geoscience</i> , 2015, 8, 666-667.	12.9	1
25	Rings in the Solar System: A Short Review. , 2018, , 375-394.		1