RenÃ© D Duffard

List of Publications by Year
in descending order

106	3,675	117625	149698
papers	citations	34 h-index	56 g-index

113	113	113	1859
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	SOS: the visible spectroscopic survey of 820 asteroids. Icarus, 2004, 172, 179-220.	2.5	241
2	A ring system detected around the Centaur (10199) Chariklo. Nature, 2014, 508, 72-75.	27.8	230
3	The size, shape, density and ring of the dwarf planet Haumea from a stellar occultation. Nature, 2017, 550, 219-223.	27.8	179
4	A Pluto-like radius and a high albedo for the dwarf planet Eris from an occultation. Nature, 2011, 478, 493-496.	27.8	156
5	TNOs are Cool: A survey of the trans-Neptunian region. Astronomy and Astrophysics, 2013, 555, A15.	5.1	124
6	Large changes in Pluto's atmosphere as revealed by recent stellar occultations. Nature, 2003, 424, 168-170.	27.8	120
7	â€œTNOs are Coolâ€: A survey of the trans-Neptunian region. Astronomy and Astrophysics, 2013, 557, A60.	5.1	109
8	Albedo and atmospheric constraints of dwarf planet Makemake from a stellar occultation. Nature, 2012, 491, 566-569.	27.8	95
9	Possible ring material around centaur (2060) Chiron. Astronomy and Astrophysics, 2015, 576, A18.	5.1	92
10	THE ALBEDO-COLOR DIVERSITY OF TRANSNEPTUNIAN OBJECTS. Astrophysical Journal Letters, 2014, 793, L2.	8.3	88
11	â€œTNOs are Coolâ€: A survey of the trans-Neptunian region. Astronomy and Astrophysics, 2012, 541, A92.	5.1	86
12	PLUTOâ€™S ATMOSPHERE FROM THE 2015 JUNE 29 GROUND-BASED STELLAR OCCULTATION AT THE TIME OF THE NEW HORIZONS FLYBY*. Astrophysical Journal Letters, 2016, 819, L38.	8.3	82
13	THE SIZE, SHAPE, ALBEDO, DENSITY, AND ATMOSPHERIC LIMIT OF TRANSNEPTUNIAN OBJECT (50000) QUAOAR FROM MULTI-CHORD STELLAR OCCULTATIONS. Astrophysical Journal, 2013, 773, 26.	4.5	79
14	â€œTNOs are Coolâ€: A survey of the trans-Neptunian region. Astronomy and Astrophysics, 2012, 541, A94.	5.1	76
15	â€œTNOs are Coolâ€: A survey of the trans-Neptunian region. Astronomy and Astrophysics, 2014, 564, A35.	5.1	71
16	Short-term variability of a sample of 29 trans-Neptunian objects and Centaurs. Astronomy and Astrophysics, 2010, 522, A93.	5.1	66
17	Mineralogical characterization of some basaltic asteroids in the neighborhood of (4) Vesta: first results. Icarus, 2004, 171, 120-132.	2.5	61
18	â€œTNOs are Coolâ€: A survey of the trans-Neptunian region. Astronomy and Astrophysics, 2010, 518, L148.	5.1	60

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19	TNOs are cool: A survey of the trans-Neptunian region. Astronomy and Astrophysics, 2012, 541, A93.	5.1	59
20	TNOs are Cool: A Survey of the Transneptunian Region. Earth, Moon and Planets, 2009, 105, 209-219.	0.6	55
21	The Structure of Charikloâ€™s Rings from Stellar Occultations. Astronomical Journal, 2017, 154, 144.	4.7	52
22	Transneptunian objects and Centaurs from light curves. Astronomy and Astrophysics, 2009, 505, 1283-1295.	5.1	52
23	â€œTNOs are Coolâ€: A survey of the trans-Neptunian region. Astronomy and Astrophysics, 2010, 518, L147.	5.1	51
24	â€œTNOs are Coolâ€: A survey of the trans-Neptunian region. Astronomy and Astrophysics, 2014, 564, A92.	5.1	50
25	Mineralogical analysis of the Eos family from near-infrared spectra. Icarus, 2008, 195, 277-294.	2.5	48
26	â€œTNOs are Coolâ€: A survey of the trans-Neptunian region. Astronomy and Astrophysics, 2010, 518, L146.	5.1	48
27	â€œTNOs are Coolâ€: A survey of the trans-Neptunian region. Astronomy and Astrophysics, 2012, 541, L6.	5.1	44
28	Two new V-type asteroids in the outer Main Belt?. Planetary and Space Science, 2009, 57, 229-234.	1.7	42
29	PANCHROMATIC OBSERVATIONS OF THE TEXTBOOK GRB 110205A: CONSTRAINING PHYSICAL MECHANISMS OF PROMPT EMISSION AND AFTERGLOW. Astrophysical Journal, 2012, 751, 90.	4.5	41
30	Rotational fission of trans-Neptunian objects: the case of Haumea. Monthly Notices of the Royal Astronomical Society, 2012, 419, 2315-2324.	4.4	41
31	The inner region of the asteroid Main Belt: a spectroscopic and dynamic analysis. Astronomy and Astrophysics, 2006, 459, 969-976.	5.1	40
32	Orbit determination of trans-Neptunian objects and Centaurs for the prediction of stellar occultations. Astronomy and Astrophysics, 2015, 584, A96.	5.1	39
33	A basin-free spherical shape as an outcome of a giant impact on asteroid Hygiea. Nature Astronomy, 2020, 4, 136-141.	10.1	38
34	Discovering New V-Type Asteroids in the Vicinity of 4 Vesta. Icarus, 2002, 159, 178-182.	2.5	36
35	Photometric and spectroscopic evidence for a dense ring system around Centaur Chariklo. Astronomy and Astrophysics, 2014, 568, A79.	5.1	36
36	Size and Shape of Chariklo from Multi-epoch Stellar Occultations[*]. Astronomical Journal, 2017, 154, 159.	4.7	34

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37	Spectral analysis and mineralogical characterization of 11 olivineâ€“pyroxene rich NEAs. Advances in Space Research, 2006, 37, 178-183.	2.6	32
38	Study of the Plutino Object (208996) 2003 AZ₈₄ from Stellar Occultations: Size, Shape, and Topographic Features. Astronomical Journal, 2017, 154, 22.	4.7	31
39	New Activity of Chiron: Results from 5 Years of Photometric Monitoring. Icarus, 2002, 160, 44-51.	2.5	30
40	RESULTS FROM THE 2014 NOVEMBER 15TH MULTI-CHORD STELLAR OCCULTATION BY THE TNO (229762) 2007 UK₁₂₆. Astronomical Journal, 2016, 152, 156.	4.7	30
41	The 67P/Churyumovâ€“Gerasimenko observation campaign in support of the Rosetta mission. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20160249.	3.4	29
42	Lower atmosphere and pressure evolution on Pluto from ground-based stellar occultations, 1988â€“2016. Astronomy and Astrophysics, 2019, 625, A42.	5.1	29
43	Photometric survey, modelling, and scaling of long-period and low-amplitude asteroids. Astronomy and Astrophysics, 2018, 610, A7.	5.1	26
44	Revisiting spectral parameters of silicateâ€bearing meteorites. Meteoritics and Planetary Science, 2005, 40, 445-459.	1.6	24
45	Short-term variability of 10 trans-Neptunian objects. Monthly Notices of the Royal Astronomical Society, 2012, 424, 3156-3177.	4.4	21
46	â€œTNOs are Coolâ€: A survey of the trans-Neptunian region. Astronomy and Astrophysics, 2018, 618, A136.	5.1	21
47	Thermal properties of slowly rotating asteroids: results from a targeted survey. Astronomy and Astrophysics, 2019, 625, A139.	5.1	21
48	Basaltic asteroids in the Near-Earth Objects population: a mineralogical analysis. Astronomy and Astrophysics, 2006, 456, 775-781.	5.1	19
49	Spectral diversity and photometric behavior of main-belt and near-Earth vestoids and (4) Vesta: A study in preparation for the Dawn encounter. Icarus, 2014, 235, 60-74.	2.5	19
50	Absolute magnitudes and phase coefficients of trans-Neptunian objects. Astronomy and Astrophysics, 2016, 586, A155.	5.1	19
51	Mineralogical characterization of A-type asteroid (1951) Lick. Astronomy and Astrophysics, 2004, 422, L59-L62.	5.1	19
52	A multiple-rendezvous, sample-return mission to two near-Earth asteroids. Advances in Space Research, 2011, 48, 120-132.	2.6	18
53	Stellar occultation by (119951) 2002 KX₁₄on April 26, 2012. Astronomy and Astrophysics, 2014, 571, A48.	5.1	18
54	Short-term rotational variability in the large TNO 2005FY9. Astronomy and Astrophysics, 2007, 468, L13-L16.	5.1	17

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55	Refined physical parameters for Charikloâ€™s body and rings from stellar occultations observed between 2013 and 2020. Astronomy and Astrophysics, 2021, 652, A141.	5.1	17
56	A multi-chord stellar occultation by the large trans-Neptunian object (174567) Varda. Astronomy and Astrophysics, 2020, 643, A125.	5.1	17
57	A study of photometric variations on the dwarf planet (136199) Eris. Astronomy and Astrophysics, 2008, 479, 877-881.	5.1	16
58	Assessment of different formation scenarios for the ring system of (10199) Chariklo. Astronomy and Astrophysics, 2017, 602, A27.	5.1	15
59	Plutoâ€™s ephemeris from ground-based stellar occultations (1988â€“2016). Astronomy and Astrophysics, 2019, 625, A43.	5.1	14
60	(704) Interamnia: a transitional object between a dwarf planet and a typical irregular-shaped minor body. Astronomy and Astrophysics, 2020, 633, A65.	5.1	14
61	A mid-term astrometric and photometric study of trans-Neptunian object (90482) Orcus. Astronomy and Astrophysics, 2011, 525, A31.	5.1	13
62	A portrait of the extreme solar system object 2012â€‰DR₃₀. Astronomy and Astrophysics, 2013, 555, A3.	5.1	13
63	ON THE DUST ENVIRONMENT OF COMET C/2012 S1 (ISON) FROM 12 AU PRE-PERIHELION TO THE END OF ITS ACTIVITY AROUND PERIHELION. Astrophysical Journal, 2014, 791, 118.	4.5	13
64	First EURONEAR NEA discoveries from La Palma using the INTâ˜…. Monthly Notices of the Royal Astronomical Society, 2015, 449, 1614-1624.	4.4	13
65	James Webb Space Telescope Observations of Stellar Occultations by Solar System Bodies and Rings. Publications of the Astronomical Society of the Pacific, 2016, 128, 018011.	3.1	13
66	Small Bodies Near and Far (SBNAF): A benchmark study on physical and thermal properties of small bodies in the Solar System. Advances in Space Research, 2018, 62, 2326-2341.	2.6	13
67	The large trans-Neptunian object 2002 TC₃₀₂from combined stellar occultation, photometry, and astrometry data. Astronomy and Astrophysics, 2020, 639, A134.	5.1	13
68	Visible and near-infrared observations of asteroid 2012 DA14during its closest approach of February 15, 2013. Astronomy and Astrophysics, 2013, 555, L2.	5.1	12
69	Physical properties of the extreme Centaur and super-comet candidate 2013â€‰AZ₆₀. Astronomy and Astrophysics, 2015, 583, A93.	5.1	11
70	Absolute colours and phase coefficients of trans-Neptunian objects: HV â^’ HR and relative phase coefficients. Monthly Notices of the Royal Astronomical Society, 2018, 481, 1848-1857.	4.4	11
71	Thermal properties of large main-belt asteroids observed byHerschelPACS. Astronomy and Astrophysics, 2020, 638, A84.	5.1	11
72	Stellar occultations enable milliarcsecond astrometry for Trans-Neptunian objects and Centaurs. Astronomy and Astrophysics, 2020, 644, A40.	5.1	11

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73	Interacting ellipsoids: a minimal model for the dynamics of rubble-pile bodies. Icarus, 2003, 165, 355-370.	2.5	10
74	2008 OG₁₉: a highly elongated Trans-Neptunian object. Monthly Notices of the Royal Astronomical Society, 2016, 456, 2354-2360.	4.4	10
75	The Trans-Neptunian Object (84922) 2003 VS₂ through Stellar Occultations. Astronomical Journal, 2019, 158, 159.	4.7	10
76	Rotation periods for small main-belt asteroids. Astronomy and Astrophysics, 2004, 415, 403-406.	5.1	9
77	Observation of light echoes around very young stars. Astronomy and Astrophysics, 2010, 519, A7.	5.1	9
78	â€œTNOs are Coolâ€: A survey of the trans-Neptunian region. Astronomy and Astrophysics, 2017, 604, A95.	5.1	9
79	Long-term photometric monitoring of the dwarf planet (136472) Makemake. Astronomy and Astrophysics, 2019, 625, A46.	5.1	9
80	Absolute colours and phase coefficients of trans-Neptunian objects: correlations and populations. Monthly Notices of the Royal Astronomical Society, 2019, 488, 3035-3044.	4.4	8
81	Light curves of ten Centaurs from K2 measurements. Icarus, 2020, 345, 113721.	2.5	8
82	Constraints on the structure and seasonal variations of Tritonâ€™s atmosphere from the 5 October 2017 stellar occultation and previous observations. Astronomy and Astrophysics, 2022, 659, A136.	5.1	8
83	Physical properties of centaur (54598) Bienor from photometry. Monthly Notices of the Royal Astronomical Society, 0, , stw3264.	4.4	7
84	Database on detected stellar occultations by small outer Solar System objects. Journal of Physics: Conference Series, 2019, 1365, 012024.	0.4	7
85	Properties of slowly rotating asteroids from the Convex Inversion Thermophysical Model. Astronomy and Astrophysics, 2021, 654, A87.	5.1	7
86	Refinement of the convex shape model and tumbling spin state of (99942) Apophis using the 2020â€“2021 apparition data. Astronomy and Astrophysics, 2022, 661, L3.	5.1	7
87	V-type asteroids: A mineralogical study. Advances in Space Research, 2006, 38, 1987-1990.	2.6	6
88	Mineralogy of HED Meteorites Using the Modified Gaussian Model. Earth, Moon and Planets, 2008, 102, 543-548.	0.6	6
89	Basaltic Asteroids in the Solar System. Earth, Moon and Planets, 2009, 105, 221-226.	0.6	6
90	Lightcurves of 6 Jupiter Trojan asteroids. Planetary and Space Science, 2010, 58, 1035-1039.	1.7	6

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91	Physical and dynamical properties of (12929) 1999 TZ₁suggest that it is a Trojan. Astronomy and Astrophysics, 2008, 483, L17-L20.	5.1	5
92	Short-term variability of comet C/2012 S1 (ISON) at 4.8 AU from the Sun. Astronomy and Astrophysics, 2015, 575, A52.	5.1	5
93	The Changing Rotational Light-curve Amplitude of Varuna and Evidence for a Close-in Satellite. Astrophysical Journal Letters, 2019, 883, L21.	8.3	5
94	Physical parameters of selected Gaia mass asteroids. Astronomy and Astrophysics, 2020, 638, A11.	5.1	5
95	Large Halloween asteroid at lunar distance. Astronomy and Astrophysics, 2017, 598, A63.	5.1	4
96	Activity of (2060) Chiron possibly caused by impacts?. Monthly Notices of the Royal Astronomical Society, 2018, 475, 2512-2518.	4.4	4
97	Shape model and spin state of non-principal axis rotator (5247) Krylov. Astronomy and Astrophysics, 2020, 635, A137.	5.1	4
98	ROTATION PERIODS FOR SMALL MAIN-BELT ASTEROIDS FROM CCD PHOTOMETRY. Astronomical Journal, 2001, 121, 2245-2252.	4.7	3
99	Surface Ice and Tholins on the Extreme Centaur 2012 DR₃₀. Astronomical Journal, 2018, 155, 170.	4.7	3
100	Photometric and spectroscopic observations of asteroid (21) Lutetia three months before the Rosetta fly-by. Astronomy and Astrophysics, 2011, 527, A42.	5.1	3
101	The 2017 May 20 stellar occultation by the elongated centaur (95626) 2002 GZ32. Monthly Notices of the Royal Astronomical Society, 2021, 501, 6062-6075.	4.4	3
102	Rotational lightcurves of asteroids belonging to families. Icarus, 2004, 172, 388-401.	2.5	2
103	Photometric and spectroscopic observations of (132524) 2002 JF56: fly-by target of the New Horizons mission. Astronomy and Astrophysics, 2007, 463, 1197-1199.	5.1	2
104	Ground based observation of TNO targets for the Herschel Space Observatory. Proceedings of the International Astronomical Union, 2009, 5, 201-204.	0.0	0
105	Towards a European Stratospheric Balloon Observatory: the ESBO design study. , 2018, , .		0
106	Mineralogy of HED Meteorites Using the Modified Gaussian Model. , 2007, , 543-548.		0