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	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
2	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
3	Properties of slowly rotating asteroids from the Convex Inversion Thermophysical Model. Astronomy and Astrophysics, 2021, 654, A87.	5.1	7
4	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
5	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
6	A basin-free spherical shape as an outcome of a giant impact on asteroid Hygiea. Nature Astronomy, 2020, 4, 136-141.	10.1	38
7	Thermal properties of large main-belt asteroids observed byHerschelPACS. Astronomy and Astrophysics, 2020, 638, A84.	5.1	11
8	The large trans-Neptunian object 2002 TC₃₀₂from combined stellar occultation, photometry, and astrometry data. Astronomy and Astrophysics, 2020, 639, A134.	5.1	13
9	Light curves of ten Centaurs from K2 measurements. Icarus, 2020, 345, 113721.	2.5	8
10	Physical parameters of selected Gaia mass asteroids. Astronomy and Astrophysics, 2020, 638, A11.	5.1	5
11	(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
12	Shape model and spin state of non-principal axis rotator (5247) Krylov. Astronomy and Astrophysics, 2020, 635, A137.	5.1	4
13	A multi-chord stellar occultation by the large trans-Neptunian object (174567) Varda. Astronomy and Astrophysics, 2020, 643, A125.	5.1	17
14	Stellar occultations enable milliarcsecond astrometry for Trans-Neptunian objects and Centaurs. Astronomy and Astrophysics, 2020, 644, A40.	5.1	11
15	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
16	The Trans-Neptunian Object (84922) 2003 VS₂ through Stellar Occultations. Astronomical Journal, 2019, 158, 159.	4.7	10
17	Plutoâ€™s ephemeris from ground-based stellar occultations (1988â€“2016). Astronomy and Astrophysics, 2019, 625, A43.	5.1	14
18	Long-term photometric monitoring of the dwarf planet (136472) Makemake. Astronomy and Astrophysics, 2019, 625, A46.	5.1	9

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19	The Changing Rotational Light-curve Amplitude of Varuna and Evidence for a Close-in Satellite. Astrophysical Journal Letters, 2019, 883, L21.	8.3	5
20	Database on detected stellar occultations by small outer Solar System objects. Journal of Physics: Conference Series, 2019, 1365, 012024.	0.4	7
21	Thermal properties of slowly rotating asteroids: results from a targeted survey. Astronomy and Astrophysics, 2019, 625, A139.	5.1	21
22	Lower atmosphere and pressure evolution on Pluto from ground-based stellar occultations, 1988â€“2016. Astronomy and Astrophysics, 2019, 625, A42.	5.1	29
23	Surface Ice and Tholins on the Extreme Centaur 2012 DR₃₀. Astronomical Journal, 2018, 155, 170.	4.7	3
24	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
25	Photometric survey, modelling, and scaling of long-period and low-amplitude asteroids. Astronomy and Astrophysics, 2018, 610, A7.	5.1	26
26	â€œTNOs are Coolâ€: A survey of the trans-Neptunian region. Astronomy and Astrophysics, 2018, 618, A136.	5.1	21
27	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
28	Activity of (2060) Chiron possibly caused by impacts?. Monthly Notices of the Royal Astronomical Society, 2018, 475, 2512-2518.	4.4	4
29	Towards a European Stratospheric Balloon Observatory: the ESBO design study. , 2018, , .		0
30	Large Halloween asteroid at lunar distance. Astronomy and Astrophysics, 2017, 598, A63.	5.1	4
31	Study of the Plutino Object (208996) 2003 AZ₈₄ from Stellar Occultations: Size, Shape, and Topographic Features. Astronomical Journal, 2017, 154, 22.	4.7	31
32	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
33	Assessment of different formation scenarios for the ring system of (10199) Chariklo. Astronomy and Astrophysics, 2017, 602, A27.	5.1	15
34	The size, shape, density and ring of the dwarf planet Haumea from a stellar occultation. Nature, 2017, 550, 219-223.	27.8	179
35	â€œTNOs are Coolâ€: A survey of the trans-Neptunian region. Astronomy and Astrophysics, 2017, 604, A95.	5.1	9
36	The Structure of Charikloâ€™s Rings from Stellar Occultations. Astronomical Journal, 2017, 154, 144.	4.7	52

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37	Size and Shape of Chariklo from Multi-epoch Stellar Occultations[*]. Astronomical Journal, 2017, 154, 159.	4.7	34
38	Absolute magnitudes and phase coefficients of trans-Neptunian objects. Astronomy and Astrophysics, 2016, 586, A155.	5.1	19
39	RESULTS FROM THE 2014 NOVEMBER 15TH MULTI-CHORD STELLAR OCCULTATION BY THE TNO (229762) 2007 UK₁₂₆. Astronomical Journal, 2016, 152, 156.	4.7	30
40	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
41	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
42	2008 OG₁₉: a highly elongated Trans-Neptunian object. Monthly Notices of the Royal Astronomical Society, 2016, 456, 2354-2360.	4.4	10
43	Orbit determination of trans-Neptunian objects and Centaurs for the prediction of stellar occultations. Astronomy and Astrophysics, 2015, 584, A96.	5.1	39
44	Possible ring material around centaur (2060) Chiron. Astronomy and Astrophysics, 2015, 576, A18.	5.1	92
45	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
46	Physical properties of the extreme Centaur and super-comet candidate 2013â€‰AZ₆₀. Astronomy and Astrophysics, 2015, 583, A93.	5.1	11
47	First EURONEAR NEA discoveries from La Palma using the INTâ˜…. Monthly Notices of the Royal Astronomical Society, 2015, 449, 1614-1624.	4.4	13
48	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
49	Photometric and spectroscopic evidence for a dense ring system around Centaur Chariklo. Astronomy and Astrophysics, 2014, 568, A79.	5.1	36
50	A ring system detected around the Centaur (10199) Chariklo. Nature, 2014, 508, 72-75.	27.8	230
51	THE ALBEDO-COLOR DIVERSITY OF TRANSNEPTUNIAN OBJECTS. Astrophysical Journal Letters, 2014, 793, L2.	8.3	88
52	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
53	Stellar occultation by (119951) 2002 KX₁₄on April 26, 2012. Astronomy and Astrophysics, 2014, 571, A48.	5.1	18
54	â€œTNOs are Coolâ€: A survey of the trans-Neptunian region. Astronomy and Astrophysics, 2014, 564, A35.	5.1	71

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55	â€œTNOs are Coolâ€: A survey of the trans-Neptunian region. Astronomy and Astrophysics, 2014, 564, A92.	5.1	50
56	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
57	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
58	A portrait of the extreme solar system object 2012â€‰DR₃₀. Astronomy and Astrophysics, 2013, 555, A3.	5.1	13
59	TNOs are Cool: A survey of the trans-Neptunian region. Astronomy and Astrophysics, 2013, 555, A15.	5.1	124
60	â€œTNOs are Coolâ€: A survey of the trans-Neptunian region. Astronomy and Astrophysics, 2013, 557, A60.	5.1	109
61	PANCHROMATIC OBSERVATIONS OF THE TEXTBOOK GRB 110205A: CONSTRAINING PHYSICAL MECHANISMS OF PROMPT EMISSION AND AFTERGLOW. Astrophysical Journal, 2012, 751, 90.	4.5	41
62	â€œTNOs are Coolâ€: A survey of the trans-Neptunian region. Astronomy and Astrophysics, 2012, 541, A92.	5.1	86
63	Albedo and atmospheric constraints of dwarf planet Makemake from a stellar occultation. Nature, 2012, 491, 566-569.	27.8	95
64	â€œTNOs are Coolâ€: A survey of the trans-Neptunian region. Astronomy and Astrophysics, 2012, 541, L6.	5.1	44
65	Rotational fission of trans-Neptunian objects: the case of Haumea. Monthly Notices of the Royal Astronomical Society, 2012, 419, 2315-2324.	4.4	41
66	Short-term variability of 10 trans-Neptunian objects. Monthly Notices of the Royal Astronomical Society, 2012, 424, 3156-3177.	4.4	21
67	TNOs are cool: A survey of the trans-Neptunian region. Astronomy and Astrophysics, 2012, 541, A93.	5.1	59
68	â€œTNOs are Coolâ€: A survey of the trans-Neptunian region. Astronomy and Astrophysics, 2012, 541, A94.	5.1	76
69	A multiple-rendezvous, sample-return mission to two near-Earth asteroids. Advances in Space Research, 2011, 48, 120-132.	2.6	18
70	A Pluto-like radius and a high albedo for the dwarf planet Eris from an occultation. Nature, 2011, 478, 493-496.	27.8	156
71	A mid-term astrometric and photometric study of trans-Neptunian object (90482) Orcus. Astronomy and Astrophysics, 2011, 525, A31.	5.1	13
72	Photometric and spectroscopic observations of asteroid (21) Lutetia three months before the Rosetta fly-by. Astronomy and Astrophysics, 2011, 527, A42.	5.1	3

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73	â€œTNOs are Coolâ€: A survey of the trans-Neptunian region. Astronomy and Astrophysics, 2010, 518, L147.	5.1	51
74	Lightcurves of 6 Jupiter Trojan asteroids. Planetary and Space Science, 2010, 58, 1035-1039.	1.7	6
75	Observation of light echoes around very young stars. Astronomy and Astrophysics, 2010, 519, A7.	5.1	9
76	â€œTNOs are Coolâ€: A survey of the trans-Neptunian region. Astronomy and Astrophysics, 2010, 518, L146.	5.1	48
77	Short-term variability of a sample of 29 trans-Neptunian objects and Centaurs. Astronomy and Astrophysics, 2010, 522, A93.	5.1	66
78	â€œTNOs are Coolâ€: A survey of the trans-Neptunian region. Astronomy and Astrophysics, 2010, 518, L148.	5.1	60
79	Basaltic Asteroids in the Solar System. Earth, Moon and Planets, 2009, 105, 221-226.	0.6	6
80	TNOs are Cool: A Survey of the Transneptunian Region. Earth, Moon and Planets, 2009, 105, 209-219.	0.6	55
81	Two new V-type asteroids in the outer Main Belt?. Planetary and Space Science, 2009, 57, 229-234.	1.7	42
82	Ground based observation of TNO targets for the Herschel Space Observatory. Proceedings of the International Astronomical Union, 2009, 5, 201-204.	0.0	0
83	Transneptunian objects and Centaurs from light curves. Astronomy and Astrophysics, 2009, 505, 1283-1295.	5.1	52
84	Mineralogy of HED Meteorites Using the Modified Gaussian Model. Earth, Moon and Planets, 2008, 102, 543-548.	0.6	6
85	Mineralogical analysis of the Eos family from near-infrared spectra. Icarus, 2008, 195, 277-294.	2.5	48
86	A study of photometric variations on the dwarf planet (136199) Eris. Astronomy and Astrophysics, 2008, 479, 877-881.	5.1	16
87	Physical and dynamical properties of (12929) 1999 TZ₁suggest that it is a Trojan. Astronomy and Astrophysics, 2008, 483, L17-L20.	5.1	5
88	Short-term rotational variability in the large TNO 2005FY9. Astronomy and Astrophysics, 2007, 468, L13-L16.	5.1	17
89	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
90	Mineralogy of HED Meteorites Using the Modified Gaussian Model. , 2007, , 543-548.		0

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91	The inner region of the asteroid Main Belt: a spectroscopic and dynamic analysis. Astronomy and Astrophysics, 2006, 459, 969-976.	5.1	40
92	Basaltic asteroids in the Near-Earth Objects population: a mineralogical analysis. Astronomy and Astrophysics, 2006, 456, 775-781.	5.1	19
93	Spectral analysis and mineralogical characterization of 11 olivineâ€“pyroxene rich NEAs. Advances in Space Research, 2006, 37, 178-183.	2.6	32
94	V-type asteroids: A mineralogical study. Advances in Space Research, 2006, 38, 1987-1990.	2.6	6
95	Revisiting spectral parameters of silicateâ€bearing meteorites. Meteoritics and Planetary Science, 2005, 40, 445-459.	1.6	24
96	Rotation periods for small main-belt asteroids. Astronomy and Astrophysics, 2004, 415, 403-406.	5.1	9
97	Mineralogical characterization of some basaltic asteroids in the neighborhood of (4) Vesta: first results. Icarus, 2004, 171, 120-132.	2.5	61
98	SOS: the visible spectroscopic survey of 820 asteroids. Icarus, 2004, 172, 179-220.	2.5	241
99	Rotational lightcurves of asteroids belonging to families. Icarus, 2004, 172, 388-401.	2.5	2
100	Mineralogical characterization of A-type asteroid (1951) Lick. Astronomy and Astrophysics, 2004, 422, L59-L62.	5.1	19
101	Interacting ellipsoids: a minimal model for the dynamics of rubble-pile bodies. Icarus, 2003, 165, 355-370.	2.5	10
102	Large changes in Pluto's atmosphere as revealed by recent stellar occultations. Nature, 2003, 424, 168-170.	27.8	120
103	Discovering New V-Type Asteroids in the Vicinity of 4 Vesta. Icarus, 2002, 159, 178-182.	2.5	36
104	New Activity of Chiron: Results from 5 Years of Photometric Monitoring. Icarus, 2002, 160, 44-51.	2.5	30
105	ROTATION PERIODS FOR SMALL MAIN-BELT ASTEROIDS FROM CCD PHOTOMETRY. Astronomical Journal, 2001, 121, 2245-2252.	4.7	3
106	Physical properties of centaur (54598) Bienor from photometry. Monthly Notices of the Royal Astronomical Society, 0, , stw3264.	4.4	7