

# Nicolas F Morales Palomino

## List of Publications by Year in descending order

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Version: 2024-02-01

48  
papers

3,067  
citations

201674

27  
h-index

206112

48  
g-index

56  
all docs

56  
docs citations

56  
times ranked

2680  
citing authors

#	ARTICLE	IF	CITATIONS
1	A multiplanet system of super-Earths orbiting the brightest red dwarf star GJ 887. <i>Science</i> , 2020, 368, 1477-1481.	12.6	27
2	A low-mass planet candidate orbiting Proxima Centauri at a distance of 1.5 AU. <i>Science Advances</i> , 2020, 6, eaax7467.	10.3	57
3	A multi-chord stellar occultation by the large trans-Neptunian object (174567) Varda. <i>Astronomy and Astrophysics</i> , 2020, 643, A125.	5.1	17
4	Small Bodies Near and Far (SBNF): A benchmark study on physical and thermal properties of small bodies in the Solar System. <i>Advances in Space Research</i> , 2018, 62, 2326-2341.	2.6	13
5	Photometric survey, modelling, and scaling of long-period and low-amplitude asteroids. <i>Astronomy and Astrophysics</i> , 2018, 610, A7.	5.1	26
6	Activity of (2060) Chiron possibly caused by impacts?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 2512-2518.	4.4	4
7	Study of the Plutino Object (208996) 2003 AZ <sub>84</sub> from Stellar Occultations: Size, Shape, and Topographic Features. <i>Astronomical Journal</i> , 2017, 154, 22.	4.7	31
8	Detailed Analysis of the Asteroid Pair (6070) Rheinland and (54827) 2001 NQ8. <i>Astronomical Journal</i> , 2017, 153, 270.	4.7	21
9	The size, shape, density and ring of the dwarf planet Haumea from a stellar occultation. <i>Nature</i> , 2017, 550, 219-223.	27.8	179
10	The Structure of Chariklo's Rings from Stellar Occultations. <i>Astronomical Journal</i> , 2017, 154, 144.	4.7	52
11	ALMA Discovery of Dust Belts around Proxima Centauri. <i>Astrophysical Journal Letters</i> , 2017, 850, L6.	8.3	59
12	Size and Shape of Chariklo from Multi-epoch Stellar Occultations <sup>*</sup> . <i>Astronomical Journal</i> , 2017, 154, 159.	4.7	34
13	Absolute magnitudes and phase coefficients of trans-Neptunian objects. <i>Astronomy and Astrophysics</i> , 2016, 586, A155.	5.1	19
14	RESULTS FROM THE 2014 NOVEMBER 15TH MULTI-CHORD STELLAR OCCULTATION BY THE TNO (229762) 2007 UK <sub>126</sub> . <i>Astronomical Journal</i> , 2016, 152, 156.	4.7	30
15	A terrestrial planet candidate in a temperate orbit around Proxima Centauri. <i>Nature</i> , 2016, 536, 437-440.	27.8	1,033
16	2008 OG <sub>19</sub> : a highly elongated Trans-Neptunian object. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 456, 2354-2360.	4.4	10
17	Orbit determination of trans-Neptunian objects and Centaurs for the prediction of stellar occultations. <i>Astronomy and Astrophysics</i> , 2015, 584, A96.	5.1	39
18	Possible ring material around centaur (2060) Chiron. <i>Astronomy and Astrophysics</i> , 2015, 576, A18.	5.1	92

#	ARTICLE	IF	CITATIONS
19	Short-term variability of comet C/2012 S1 (ISON) at 4.8 AU from the Sun. <i>Astronomy and Astrophysics</i> , 2015, 575, A52.	5.1	5
20	Analysis of Moon impact flashes detected during the 2012 and 2013 Perseids. <i>Astronomy and Astrophysics</i> , 2015, 577, A118.	5.1	29
21	PLUTO'S ATMOSPHERE FROM STELLAR OCCULTATIONS IN 2012 AND 2013. <i>Astrophysical Journal</i> , 2015, 811, 53.	4.5	55
22	MIDAS: Software for the detection and analysis of lunar impact flashes. <i>Planetary and Space Science</i> , 2015, 111, 105-115.	1.7	25
23	Lunar impact flashes from Geminids: analysis of luminous efficiencies and the flux of large meteoroids on Earth. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 344-352.	4.4	34
24	Evidence that Pluto's atmosphere does not collapse from occultations including the 2013 May 04 event. <i>Icarus</i> , 2015, 246, 220-225.	2.5	49
25	A photometric search for active Main Belt asteroids. <i>Astronomy and Astrophysics</i> , 2014, 562, A94.	5.1	10
26	A large lunar impact blast on 2013 September 11. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 439, 2364-2369.	4.4	70
27	Photometric and spectroscopic evidence for a dense ring system around Centaur Chariklo. <i>Astronomy and Astrophysics</i> , 2014, 568, A79.	5.1	36
28	Rotational properties of the binary and non-binary populations in the trans-Neptunian belt. <i>Astronomy and Astrophysics</i> , 2014, 569, A3.	5.1	42
29	A ring system detected around the Centaur (10199) Chariklo. <i>Nature</i> , 2014, 508, 72-75.	27.8	230
30	Stellar occultation by (119951) 2002 KX <sub>14</sub> on April 26, 2012. <i>Astronomy and Astrophysics</i> , 2014, 571, A48.	5.1	18
31	Analysis of a superbolide from a damocloid observed over Spain on 2012 July 13. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 436, 3656-3662.	4.4	5
32	THE SIZE, SHAPE, ALBEDO, DENSITY, AND ATMOSPHERIC LIMIT OF TRANSNEPTUNIAN OBJECT (50000) QUAOAR FROM MULTI-CHORD STELLAR OCCULTATIONS. <i>Astrophysical Journal</i> , 2013, 773, 26.	4.5	79
33	Visible and near-infrared observations of asteroid 2012 DA <sub>14</sub> during its closest approach of February 15, 2013. <i>Astronomy and Astrophysics</i> , 2013, 555, L2.	5.1	12
34	A portrait of the extreme solar system object 2012 DR <sub>30</sub> . <i>Astronomy and Astrophysics</i> , 2013, 555, A3.	5.1	13
35	Albedo and atmospheric constraints of dwarf planet Makemake from a stellar occultation. <i>Nature</i> , 2012, 491, 566-569.	27.8	95
36	Rotational fission of trans-Neptunian objects: the case of Haumea. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 419, 2315-2324.	4.4	41

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37	Short-term variability of 10 trans-Neptunian objects. Monthly Notices of the Royal Astronomical Society, 2012, 424, 3156-3177.	4.4	21
38	A Pluto-like radius and a high albedo for the dwarf planet Eris from an occultation. Nature, 2011, 478, 493-496.	27.8	156
39	A mid-term astrometric and photometric study of trans-Neptunian object (90482) Orcus. Astronomy and Astrophysics, 2011, 525, A31.	5.1	13
40	(596) SCHEILA IN OUTBURST: A PROBABLE COLLISION EVENT IN THE MAIN ASTEROID BELT. Astrophysical Journal, 2011, 738, 130.	4.5	65
41	Observation of light echoes around very young stars. Astronomy and Astrophysics, 2010, 519, A7.	5.1	9
42	Short-term variability of a sample of 29 trans-Neptunian objects and Centaurs. Astronomy and Astrophysics, 2010, 522, A93.	5.1	66
43	Recent GRBs Observed with the 1.23m CAHA Telescope and the Status of Its Upgrade. Advances in Astronomy, 2010, 2010, 1-8.	1.1	2
44	Robotic Systems for Meteor Observing and Moon Impact Flashes Detection in Spain. Advances in Astronomy, 2010, 2010, 1-5.	1.1	39
45	Transneptunian objects and Centaurs from light curves. Astronomy and Astrophysics, 2009, 505, 1283-1295.	5.1	52
46	A study of photometric variations on the dwarf planet (136199) Eris. Astronomy and Astrophysics, 2008, 479, 877-881.	5.1	16
47	A Model of the Early Evolution of the 2007 Outburst of Comet 17P/Holmes. Astrophysical Journal, 2008, 677, L63-L66.	4.5	29
48	Physical properties of centaur (54598) Bienor from photometry. Monthly Notices of the Royal Astronomical Society, 0, , stw3264.	4.4	7