

# 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 terrestrial planet candidate in a temperate orbit around Proxima Centauri. <i>Nature</i> , 2016, 536, 437-440.	27.8	1,033
2	A ring system detected around the Centaur (10199) Chariklo. <i>Nature</i> , 2014, 508, 72-75.	27.8	230
3	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
4	A Pluto-like radius and a high albedo for the dwarf planet Eris from an occultation. <i>Nature</i> , 2011, 478, 493-496.	27.8	156
5	Albedo and atmospheric constraints of dwarf planet Makemake from a stellar occultation. <i>Nature</i> , 2012, 491, 566-569.	27.8	95
6	Possible ring material around centaur (2060) Chiron. <i>Astronomy and Astrophysics</i> , 2015, 576, A18.	5.1	92
7	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
8	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
9	Short-term variability of a sample of 29 trans-Neptunian objects and Centaurs. <i>Astronomy and Astrophysics</i> , 2010, 522, A93.	5.1	66
10	(596) SCHEILA IN OUTBURST: A PROBABLE COLLISION EVENT IN THE MAIN ASTEROID BELT. <i>Astrophysical Journal</i> , 2011, 738, 130.	4.5	65
11	ALMA Discovery of Dust Belts around Proxima Centauri. <i>Astrophysical Journal Letters</i> , 2017, 850, L6.	8.3	59
12	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
13	PLUTO'S ATMOSPHERE FROM STELLAR OCCULTATIONS IN 2012 AND 2013. <i>Astrophysical Journal</i> , 2015, 811, 53.	4.5	55
14	The Structure of Chariklo's Rings from Stellar Occultations. <i>Astronomical Journal</i> , 2017, 154, 144.	4.7	52
15	Transneptunian objects and Centaurs from light curves. <i>Astronomy and Astrophysics</i> , 2009, 505, 1283-1295.	5.1	52
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Robotic Systems for Meteor Observing and Moon Impact Flashes Detection in Spain. <i>Advances in Astronomy</i> , 2010, 2010, 1-5.	1.1	39
20	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
21	Photometric and spectroscopic evidence for a dense ring system around Centaur Chariklo. <i>Astronomy and Astrophysics</i> , 2014, 568, A79.	5.1	36
22	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
23	Size and Shape of Chariklo from Multi-epoch Stellar Occultations <sup>*</sup> . <i>Astronomical Journal</i> , 2017, 154, 159.	4.7	34
24	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
25	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
26	A Model of the Early Evolution of the 2007 Outburst of Comet 17P/Holmes. <i>Astrophysical Journal</i> , 2008, 677, L63-L66.	4.5	29
27	Analysis of Moon impact flashes detected during the 2012 and 2013 Perseids. <i>Astronomy and Astrophysics</i> , 2015, 577, A118.	5.1	29
28	A multiplanet system of super-Earths orbiting the brightest red dwarf star GJ 887. <i>Science</i> , 2020, 368, 1477-1481.	12.6	27
29	Photometric survey, modelling, and scaling of long-period and low-amplitude asteroids. <i>Astronomy and Astrophysics</i> , 2018, 610, A7.	5.1	26
30	MIDAS: Software for the detection and analysis of lunar impact flashes. <i>Planetary and Space Science</i> , 2015, 111, 105-115.	1.7	25
31	Short-term variability of 10 trans-Neptunian objects. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 424, 3156-3177.	4.4	21
32	Detailed Analysis of the Asteroid Pair (6070) Rheinland and (54827) 2001 NQ8. <i>Astronomical Journal</i> , 2017, 153, 270.	4.7	21
33	Absolute magnitudes and phase coefficients of trans-Neptunian objects. <i>Astronomy and Astrophysics</i> , 2016, 586, A155.	5.1	19
34	Stellar occultation by (119951) 2002 KX <sub>14</sub> on April 26, 2012. <i>Astronomy and Astrophysics</i> , 2014, 571, A48.	5.1	18
35	A multi-chord stellar occultation by the large trans-Neptunian object (174567) Varda. <i>Astronomy and Astrophysics</i> , 2020, 643, A125.	5.1	17
36	A study of photometric variations on the dwarf planet (136199) Eris. <i>Astronomy and Astrophysics</i> , 2008, 479, 877-881.	5.1	16

#	ARTICLE	IF	CITATIONS
37	A mid-term astrometric and photometric study of trans-Neptunian object (90482) Orcus. <i>Astronomy and Astrophysics</i> , 2011, 525, A31.	5.1	13
38	A portrait of the extreme solar system object 2012â€‰DR<sub>30</sub>. <i>Astronomy and Astrophysics</i> , 2013, 555, A3.	5.1	13
39	Small Bodies Near and Far (SBNAF): 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
40	Visible and near-infrared observations of asteroid 2012 DA14 during its closest approach of February 15, 2013. <i>Astronomy and Astrophysics</i> , 2013, 555, L2.	5.1	12
41	A photometric search for active Main Belt asteroids. <i>Astronomy and Astrophysics</i> , 2014, 562, A94.	5.1	10
42	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
43	Observation of light echoes around very young stars. <i>Astronomy and Astrophysics</i> , 2010, 519, A7.	5.1	9
44	Physical properties of centaur (54598) Bienor from photometry. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , stw3264.	4.4	7
45	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
46	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
47	Activity of (2060) Chiron possibly caused by impacts?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 2512-2518.	4.4	4
48	Recent GRBs Observed with the 1.23â€‰m CAHA Telescope and the Status of Its Upgrade. <i>Advances in Astronomy</i> , 2010, 2010, 1-8.	1.1	2