Noemi Pinilla-Alonso

List of Publications by Year
in descending order

86	2,641	218677 26	197818 49
papers	citations	h-index	g-index

87	87	87	2180
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Physical and dynamical characterization of hyperbolic comet C/2017 U7 (PANSTARRS). Icarus, 2022, 377, 114834.	2.5	0
2	Near-infrared spectroscopy of the Chaldaea asteroid family: Possible link to the Klio family. Icarus, 2021, 354, 114028.	2.5	3
3	Near-infrared spectroscopy of the Sulamitis asteroid family: Surprising similarities in the inner belt primitive asteroid population. Icarus, 2021, 358, 114210.	2.5	6
4	Compositional Study of Trans-Neptunian Objects at Î»Â>Â2.2 Î¼m. Planetary Science Journal, 2021, 2, 10.	3.6	7
5	Activity of the Jupiter co-orbital comet P/2019 LD2 (ATLAS) observed with OSIRIS at the 10.4 m GTC. Astronomy and Astrophysics, 2021, 650, A79.	5.1	0
6	Spectral diversity of the inner belt primitive asteroid background population. Icarus, 2021, 368, 114619.	2.5	2
7	Near-infrared spectroscopy of the Klio primitive inner-belt asteroid family. Icarus, 2020, 335, 113427.	2.5	6
8	Analysis in the visible range of NASA Lucy mission targets: Eurybates, Polymele, Orus and Donaldjohanson.. Icarus, 2020, 338, 113463.	2.5	10
9	The spectroscopic properties of the Lixiaohua family, cradle of Main Belt Comets. Icarus, 2020, 338, 113473.	2.5	6
10	Surface properties of large TNOs: Expanding the study to longer wavelengths with the James Webb Space Telescope. , 2020, , 395-412.		3
11	Probing the regoliths of the classical Uranian satellites: Are their surfaces mantled by a layer of tiny H2O ice grains?. Icarus, 2020, 338, 113513.	2.5	15
12	Spitzerâ€™s Solar System studies of comets, centaurs and Kuiper belt objects. Nature Astronomy, 2020, 4, 930-939.	10.1	9
13	The dwarf planet Makemake as seen by X-Shooter. Monthly Notices of the Royal Astronomical Society, 2020, 497, 5473-5479.	4.4	3
14	Visible and near-infrared observations of interstellar comet 2I/Borisov with the 10.4-m GTC and the 3.6-m TNG telescopes. Monthly Notices of the Royal Astronomical Society, 2020, 495, 2053-2062.	4.4	11
15	Near-infrared Methanol Bands Probe Energetic Processing of Icy Outer Solar System Objects. Astrophysical Journal Letters, 2020, 894, L3.	8.3	8
16	A comparative analysis of the outer-belt primitive families. Astronomy and Astrophysics, 2020, 643, A102.	5.1	6
17	Compositional characterization of V-type candidate asteroids identified using the MOVIS catalogue. Monthly Notices of the Royal Astronomical Society, 2019, 488, 3866-3875.	4.4	9
18	Spectral clustering tools applied to Ceres in preparation for OSIRIS-REx color imaging of asteroid (101955) Bennu. Icarus, 2019, 328, 69-81.	2.5	4

#	Article	IF	Citations
19	Hungaria asteroid region telescopic spectral survey (HARTSS) II: Spectral homogeneity among Hungaria family asteroids. Icarus, 2019, 322, 227-250.	2.5	16
20	The Changing Rotational Light-curve Amplitude of Varuna and Evidence for a Close-in Satellite. Astrophysical Journal Letters, 2019, 883, L21.	8.3	5
21	The last pieces of the primitive inner belt puzzle: Klio, Chaldaea, Chimaera, and Svea. Astronomy and Astrophysics, 2019, 630, A141.	5.1	16
22	New polarimetric and spectroscopic evidence of anomalous enrichment in spinel-bearing calcium-aluminium-rich inclusions among L-type asteroids. Icarus, 2018, 304, 31-57.	2.5	34
23	Surface Ice and Tholins on the Extreme Centaur 2012 DR₃₀. Astronomical Journal, 2018, 155, 170.	4.7	3
24	PRIMASS visits Hilda and Cybele groups. Icarus, 2018, 311, 35-51.	2.5	23
25	Visible spectroscopy of the Sulamitis and Clarissa primitive families: a possible link to Erigone and Polana. Astronomy and Astrophysics, 2018, 610, A25.	5.1	18
26	The Diverse Population of Small Bodies of the Solar System. , 2018, , 395-419.		1
27	Expected spectral characteristics of (101955) Bennu and (162173) Ryugu, targets of the OSIRIS-REx and Hayabusa2 missions. Icarus, 2018, 313, 25-37.	2.5	23
28	Red material on the large moons of Uranus: Dust from the irregular satellites?. Icarus, 2018, 314, 210-231.	2.5	34
29	The Diverse Population of Small Bodies of the Solar System. , 2017, , 1-25.		0
30	Disrupted Asteroid P/2016 G1. II. Follow-up Observations from the Hubble Space Telescope. Astronomical Journal, 2017, 154, 248.	4.7	4
31	Hungaria asteroid region telescopic spectral survey (HARTSS) I: Stony asteroids abundant in the Hungaria background population. Icarus, 2017, 291, 268-287.	2.5	18
32	Differences between the Pallas collisional family and similarly sized B-type asteroids. Astronomy and Astrophysics, 2016, 591, A14.	5.1	20
33	Absolute magnitudes and phase coefficients of trans-Neptunian objects. Astronomy and Astrophysics, 2016, 586, A155.	5.1	19
34	The spectrum of Pluto, 0.40â€“0.93Î¼m. Astronomy and Astrophysics, 2016, 585, A131.	5.1	15
35	Compositional study of asteroids in the Erigone collisional family using visible spectroscopy at the 10.4â€‰m GTC. Astronomy and Astrophysics, 2016, 586, A129.	5.1	29
36	Physical Characterization of TNOs with the James Webb Space Telescope. Publications of the Astronomical Society of the Pacific, 2016, 128, 018010.	3.1	11

#	Article	IF	Citations
37	Portrait of the Polanaâ€“Eulalia family complex: Surface homogeneity revealed from near-infrared spectroscopy. Icarus, 2016, 274, 231-248.	2.5	24
38	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
39	Visible spectroscopy of the Polanaâ€“Eulalia family complex: Spectral homogeneity. Icarus, 2016, 266, 57-75.	2.5	33
40	Possible ring material around centaur (2060) Chiron. Astronomy and Astrophysics, 2015, 576, A18.	5.1	92
41	Distribution of CO2 ice on the large moons of Uranus and evidence for compositional stratification of their near-surfaces. Icarus, 2015, 257, 428-456.	2.5	36
42	Icy Dwarf Planets: Colored Popsicles in the Outer Solar System. Proceedings of the International Astronomical Union, 2015, 11, 241-246.	0.0	1
43	A new investigation of hydration in the M-type asteroids. Icarus, 2015, 252, 186-198.	2.5	16
44	Rotationally resolved spectroscopy of dwarf planet (136472) Makemake. Astronomy and Astrophysics, 2015, 577, A86.	5.1	18
45	Rotationally resolved spectroscopy of (20000) Varuna in the near-infrared. Astronomy and Astrophysics, 2014, 562, A85.	5.1	10
46	Photometric and spectroscopic evidence for a dense ring system around Centaur Chariklo. Astronomy and Astrophysics, 2014, 568, A79.	5.1	36
47	Chelyabinsk meteorite explains unusual spectral properties of Baptistina Asteroid Family. Icarus, 2014, 237, 116-130.	2.5	54
48	Aromatic and aliphatic organic materials on Iapetus: Analysis of Cassini VIMS data. Icarus, 2014, 233, 306-315.	2.5	37
49	â€œTNOs are Coolâ€: A survey of the trans-Neptunian region. Astronomy and Astrophysics, 2014, 564, A92.	5.1	50
50	Lightcurve, Color and Phase Function Photometry of the OSIRIS-REx Target Asteroid (101955) Bennu. Icarus, 2013, 226, 663-670.	2.5	63
51	A compositional interpretation of trans-neptunian objects taxonomies. Icarus, 2013, 222, 307-322.	2.5	21
52	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
53	Physical properties of B-type asteroids from WISE data. Astronomy and Astrophysics, 2013, 554, A71.	5.1	34
54	Near-infrared spectroscopy of 1999 JU3, the target of the Hayabusa 2 mission. Astronomy and Astrophysics, 2013, 552, A79.	5.1	18

#	Article	IF	Citations
55	Additional spectra of asteroid 1996 FG3, backup target of the ESAMarcoPolo-Rmission. Astronomy and Astrophysics, 2013, 556, A33.	5.1	10
56	Surface composition and dynamical evolution of two retrograde objects in the outer solar system: 2008 YB₃and 2005 VD. Astronomy and Astrophysics, 2013, 550, A13.	5.1	12
57	Albedo and atmospheric constraints of dwarf planet Makemake from a stellar occultation. Nature, 2012, 491, 566-569.	27.8	95
58	Near-infrared spectroscopic survey of B-type asteroids: Compositional analysis. Icarus, 2012, 218, 196-206.	2.5	70
59	New observations of asteroid (175706) 1996 FG3, primary target of the ESAMarco Polo-R mission. Astronomy and Astrophysics, 2011, 530, L12.	5.1	21
60	The spectrum of (136199) Eris between 350 and 2350 nm: results with X-Shooter. Astronomy and Astrophysics, 2011, 532, A130.	5.1	26
61	(65) Cybele: detection of small silicate grains, water-ice, and organics. Astronomy and Astrophysics, 2011, 525, A34.	5.1	101
62	Organic materials in planetary and protoplanetary systems: nature or nurture?. Astronomy and Astrophysics, 2011, 533, A98.	5.1	27
63	Testing the comet nature of main belt comets. The spectra of 133P/Elst-Pizarro and 176P/LINEAR. Astronomy and Astrophysics, 2011, 532, A65.	5.1	52
64	Iapetus surface variability revealed from statistical clustering of a VIMS mosaic: The distribution of CO2. Icarus, 2011, 215, 75-82.	2.5	26
65	A peculiar family of Jupiter Trojans: The Eurybates. Icarus, 2010, 209, 586-590.	2.5	23
66	Infrared astronomical characteristics of the Roque de los Muchachos Observatory: precipitable water vapour statistics. Monthly Notices of the Royal Astronomical Society, 2010, , no-no.	4.4	7
67	Water ice and organics on the surface of the asteroid 24 Themis. Nature, 2010, 464, 1320-1321.	27.8	312
68	Observations, compositional, and physical characterization of near-Earth and Mars-crosser asteroids from a spectroscopic survey. Astronomy and Astrophysics, 2010, 517, A23.	5.1	94
69	The surface of (136108) Haumea (2003ÂEL₆₁), the largest carbon-depleted object in the trans-Neptunian belt. Astronomy and Astrophysics, 2009, 496, 547-556.	5.1	57
70	The trans-Neptunian object size distribution at small sizes. Astronomy and Astrophysics, 2009, 500, 909-916.	5.1	14
71	Precipitable water vapour content above the Roque de los Muchachos Observatory from GPS estimations. , 2009, , .		4
72	Depth of a strong jovian jet from a planetary-scale disturbance driven by storms. Nature, 2008, 451, 437-440.	27.8	82

#	Article	IF	Citations
73	Spectral properties of asteroids in cometary orbits. Astronomy and Astrophysics, 2008, 487, 1195-1196.	5.1	5
74	Spectral properties of asteroids in cometary orbits. Astronomy and Astrophysics, 2008, 481, 861-877.	5.1	37
75	Visible spectroscopy in the neighborhood of 2003EL₆₁. Astronomy and Astrophysics, 2008, 489, 455-458.	5.1	15
76	The nature of comet-asteroid transition object (3200) Phaethon. Astronomy and Astrophysics, 2007, 461, 751-757.	5.1	90
77	Nuclear Spectra of Comet 28P Neujmin 1. Astronomical Journal, 2007, 134, 1626-1633.	4.7	10
78	The water ice rich surface of (145453) 2005 RR$mathsf{_{43}}$: a case for a carbon-depleted population of TNOs?. Astronomy and Astrophysics, 2007, 468, L25-L28.	5.1	26
79	Nuclear Spectra of Comet 162P/Siding Spring (2004 TU12). Astronomical Journal, 2006, 132, 1346-1353.	4.7	38
80	Visible spectroscopy of 2003 UB313: evidence for N2 ice on the surface of the largest TNO?. Astronomy and Astrophysics, 2006, 458, L5-L8.	5.1	60
81	Multi-wavelength spectral study of asteroids in cometary orbits. Advances in Space Research, 2006, 38, 1991-1994.	2.6	14
82	Near Infrared Spectra of two Asteroids with low Tisserand Invariant. Earth, Moon and Planets, 2006, 97, 203-212.	0.6	3
83	The methane ice rich surface of large TNO 2005 FY9: a Pluto-twin in the trans-neptunian belt?. Astronomy and Astrophysics, 2006, 445, L35-L38.	5.1	114
84	Trans-neptunian object (55636) 2002 TX$mathsf{_{300}}$, a fresh icy surface in the outer solar system. Astronomy and Astrophysics, 2006, 457, 329-333.	5.1	20
85	The Inhomogeneous Surface of Centaur 32522 Thereus (2001 PT 13). Astrophysical Journal, 2005, 630, L93-L96.	4.5	21
86	Deep Impact: Observations from a Worldwide Earth-Based Campaign. Science, 2005, 310, 265-269.	12.6	182