

# Alvaro Alvarez-Candal

## List of Publications by Year in descending order

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76  
papers

2,220  
citations

201674

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243625

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docs citations

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times ranked

1930  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	J-PLUS: The Javalambre Photometric Local Universe Survey. <i>Astronomy and Astrophysics</i> , 2019, 622, A176.	5.1	124
3	Albedo and atmospheric constraints of dwarf planet Makemake from a stellar occultation. <i>Nature</i> , 2012, 491, 566-569.	27.8	95
4	Possible ring material around centaur (2060) Chiron. <i>Astronomy and Astrophysics</i> , 2015, 576, A18.	5.1	92
5	The Southern Photometric Local Universe Survey (S-PLUS): improved SEDs, morphologies, and redshifts with 12 optical filters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 241-267.	4.4	92
6	New insights on ices in Centaur and Transneptunian populations. <i>Icarus</i> , 2011, 214, 297-307.	2.5	82
7	Charon's size and an upper limit on its atmosphere from a stellar occultation. <i>Nature</i> , 2006, 439, 52-54.	27.8	77
8	Asteroids 2867 Steins and 21 Lutetia: surface composition from far infrared observations with the Spitzer space telescope. <i>Astronomy and Astrophysics</i> , 2008, 477, 665-670.	5.1	70
9	Chemical and physical properties of the variegated Pluto and Charon surfaces. <i>Icarus</i> , 2010, 210, 930-943.	2.5	69
10	ESO-Large Program on TNOs: Near-infrared spectroscopy with SINFONI. <i>Icarus</i> , 2009, 201, 272-283.	2.5	67
11	Colors and taxonomy of Centaurs and trans-Neptunian objects. <i>Astronomy and Astrophysics</i> , 2010, 510, A53.	5.1	66
12	Surface composition and temperature of the TNO Orcus. <i>Astronomy and Astrophysics</i> , 2008, 479, L13-L16.	5.1	65
13	A search for ethane on Pluto and Triton. <i>Icarus</i> , 2010, 208, 412-424.	2.5	61
14	STRATIFICATION OF METHANE ICE ON ERIS' SURFACE. <i>Astronomical Journal</i> , 2009, 137, 315-328.	4.7	55
15	The miniJPAS survey: A preview of the Universe in 56 colors. <i>Astronomy and Astrophysics</i> , 2021, 653, A31.	5.1	54
16	Visible spectroscopy of the new ESO large programme on trans-Neptunian objects and Centaurs: final results. <i>Astronomy and Astrophysics</i> , 2009, 508, 457-465.	5.1	52
17	Composition of KBO (50000) Quaoar. <i>Astronomy and Astrophysics</i> , 2009, 501, 349-357.	5.1	49
18	Visible and near-infrared colors of Transneptunian objects and Centaurs from the second ESO large program. <i>Astronomy and Astrophysics</i> , 2009, 493, 283-290.	5.1	47

#	ARTICLE	IF	CITATIONS
19	Spectral and rotational properties of near-Earth asteroid (162173) Ryugu, target of the Hayabusa2 sample return mission. <i>Astronomy and Astrophysics</i> , 2017, 599, L1.	5.1	43
20	The inner region of the asteroid Main Belt: a spectroscopic and dynamic analysis. <i>Astronomy and Astrophysics</i> , 2006, 459, 969-976.	5.1	40
21	Spectral properties of asteroids in cometary orbits. <i>Astronomy and Astrophysics</i> , 2008, 481, 861-877.	5.1	37
22	Photometric and spectroscopic evidence for a dense ring system around Centaur Chariklo. <i>Astronomy and Astrophysics</i> , 2014, 568, A79.	5.1	36
23	Visible spectroscopy of the new ESO large program on trans-Neptunian objects and Centaurs. <i>Astronomy and Astrophysics</i> , 2008, 487, 741-748.	5.1	34
24	Mineralogical characterization of Baptistina Asteroid Family: Implications for K/T impactor source. <i>Icarus</i> , 2011, 216, 184-197.	2.5	34
25	The VLT-FLAMES Tarantula Survey. <i>Astronomy and Astrophysics</i> , 2011, 530, L10.	5.1	32
26	J-PLUS: Analysis of the intracluster light in the Coma cluster. <i>Astronomy and Astrophysics</i> , 2019, 622, A183.	5.1	31
27	New Activity of Chiron: Results from 5 Years of Photometric Monitoring. <i>Icarus</i> , 2002, 160, 44-51.	2.5	30
28	A portrait of Centaur 10199 Chariklo. <i>Astronomy and Astrophysics</i> , 2009, 501, 777-784.	5.1	28
29	The spectrum of (136199) Eris between 350 and 2350 nm: results with X-Shooter. <i>Astronomy and Astrophysics</i> , 2011, 532, A130.	5.1	26
30	(90377) SEDNA: INVESTIGATION OF SURFACE COMPOSITIONAL VARIATION. <i>Astronomical Journal</i> , 2010, 140, 2095-2100.	4.7	25
31	The Centaur 10199 Chariklo: investigation into rotational period, absolute magnitude, and cometary activity. <i>Astronomy and Astrophysics</i> , 2014, 568, L11.	5.1	22
32	(50000) Quaoar: Surface composition variability. <i>Astronomy and Astrophysics</i> , 2015, 584, A107.	5.1	21
33	A spectroscopic analysis of Jupiter-coupled object (52872) Okyrhoe, and TNOs (90482) Orcus and (73480) 2002 PN <sub>34</sub> . <i>Astronomy and Astrophysics</i> , 2010, 521, A35.	5.1	19
34	Absolute magnitudes and phase coefficients of trans-Neptunian objects. <i>Astronomy and Astrophysics</i> , 2016, 586, A155.	5.1	19
35	A search for rotational variations on trans-Neptunian objects. <i>Astronomy and Astrophysics</i> , 2007, 475, 369-374.	5.1	18
36	Stellar occultation by (119951) 2002 KX <sub>14</sub> on April 26, 2012. <i>Astronomy and Astrophysics</i> , 2014, 571, A48.	5.1	18

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37	An environmental dependence of the physical and structural properties in the Hydra cluster galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 1323-1339.	4.4	17
38	On the discovery of stars, quasars, and galaxies in the Southern Hemisphere with S-PLUS DR2. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 5847-5868.	4.4	16
39	The large trans-Neptunian object 2002 TC <sub>302</sub> from combined stellar occultation, photometry, and astrometry data. <i>Astronomy and Astrophysics</i> , 2020, 639, A134.	5.1	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	Surface composition and dynamical evolution of two retrograde objects in the outer solar system: 2008 YB <sub>3</sub> and 2005 VD. <i>Astronomy and Astrophysics</i> , 2013, 550, A13.	5.1	12
42	The triple near-Earth asteroid (153591) 2001 SN263: an ultra-blue, primitive target for the Aster space mission. <i>Astronomy and Astrophysics</i> , 2014, 568, L6.	5.1	12
43	Taxonomy of trans-Neptunian objects and Centaurs as seen from spectroscopy. <i>Astronomy and Astrophysics</i> , 2017, 604, A86.	5.1	12
44	Assessing the photometric redshift precision of the S-PLUS survey: the Stripe-82 as a test-case. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 3884-3908.	4.4	12
45	Physical Characterization of TNOs with the <i>James Webb Space Telescope</i> . <i>Publications of the Astronomical Society of the Pacific</i> , 2016, 128, 018010.	3.1	11
46	Absolute colours and phase coefficients of trans-Neptunian objects: HV $\hat{=}$ HR and relative phase coefficients. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 1848-1857.	4.4	11
47	The extra red plutino (55638) 2002 VE <sub>95</sub> . <i>Astronomy and Astrophysics</i> , 2012, 539, A152.	5.1	11
48	The size distribution of asteroids in cometary orbits and related populations. <i>Astronomy and Astrophysics</i> , 2006, 458, 1007-1011.	5.1	11
49	ESO large program about transneptunian objects: surface variations on (47171) 1999 TC <sub>36</sub> . <i>Astronomy and Astrophysics</i> , 2009, 501, 375-380.	5.1	10
50	The Trans-Neptunian Object (84922) 2003 VS <sub>2</sub> through Stellar Occultations. <i>Astronomical Journal</i> , 2019, 158, 159.	4.7	10
51	Analysis in the visible range of NASA Lucy mission targets: Eurybates, Polymele, Orus and Donaldjohanson.. <i>Icarus</i> , 2020, 338, 113463.	2.5	10
52	Orbital stability analysis and photometric characterization of the second Earth Trojan asteroid 2020 XL5. <i>Nature Communications</i> , 2022, 13, 447.	12.8	10
53	Near-infrared spectroscopy of Miranda. <i>Astronomy and Astrophysics</i> , 2014, 562, A46.	5.1	9
54	Photometry of the Oort Cloud comet C/2009 P1 (Garradd): Pre-perihelion observations at 5.7 and 2.5AU. <i>Planetary and Space Science</i> , 2016, 132, 23-31.	1.7	9

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55	Ultraviolet to near-infrared spectroscopy of the potentially hazardous, low delta-V asteroid (175706) 1996 FG3. <i>Astronomy and Astrophysics</i> , 2013, 555, A62.	5.1	8
56	SEARCHING FOR NEW YELLOW SYMBIOTIC STARS: POSITIVE IDENTIFICATION OF StH±63*. <i>Astronomical Journal</i> , 2016, 151, 100.	4.7	8
57	Absolute colours and phase coefficients of trans-Neptunian objects: correlations and populations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 3035-3044.	4.4	8
58	Discovery of five new Galactic symbiotic stars in the VPHAS+ survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 2513-2517.	4.4	8
59	SDSS photometry of asteroids in cometary orbits. <i>Astronomy and Astrophysics</i> , 2013, 549, A34.	5.1	7
60	The first confirmation of V-type asteroids among the Mars crosser population. <i>Planetary and Space Science</i> , 2014, 92, 57-64.	1.7	7
61	J-PLUS: A first glimpse at the spectrophotometry of asteroids. <i>Astronomy and Astrophysics</i> , 2021, 655, A47.	5.1	6
62	TNO (278361) 2007 JJ <sub>43</sub> observed with X-Shooter. <i>Astronomy and Astrophysics</i> , 2015, 582, A13.	5.1	6
63	Spectral properties of asteroids in cometary orbits. <i>Astronomy and Astrophysics</i> , 2008, 487, 1195-1196.	5.1	5
64	Wavelet theory applied to the study of spectra of trans-Neptunian objects. <i>Astronomy and Astrophysics</i> , 2018, 614, A92.	5.1	5
65	J-PLUS: Impact of bars on quenching timescales in nearby green valley disc galaxies. <i>Astronomy and Astrophysics</i> , 2019, 630, A88.	5.1	5
66	J-PLUS: Tools to identify compact planetary nebulae in the Javalambre and southern photometric local Universe surveys. <i>Astronomy and Astrophysics</i> , 2020, 633, A123.	5.1	5
67	Phase curves of small bodies from the SLOAN Moving Objects Catalog. <i>Astronomy and Astrophysics</i> , 0, , .	5.1	5
68	The trans-Neptunian object (42355) Typhon: composition and dynamical evolution. <i>Astronomy and Astrophysics</i> , 2010, 511, A35.	5.1	4
69	Surface Ice and Tholins on the Extreme Centaur 2012 DR <sub>30</sub> . <i>Astronomical Journal</i> , 2018, 155, 170.	4.7	3
70	The dwarf planet Makemake as seen by X-Shooter. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 5473-5479.	4.4	3
71	The 2017 May 20 stellar occultation by the elongated centaur (95626) 2002 GZ32. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 501, 6062-6075.	4.4	3
72	Rotational lightcurves of asteroids belonging to families. <i>Icarus</i> , 2004, 172, 388-401.	2.5	2

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73	A dynamical and observational study of an unstable TNO: 59358 (1999CL158). <i>Astronomy and Astrophysics</i> , 2007, 466, 749-753.	5.1	1
74	Surface properties of icy transneptunian objects from the second ESO large program. <i>Proceedings of the International Astronomical Union</i> , 2009, 5, 186-191.	0.0	1
75	The role of the resonant "stickiness" in the dynamical evolution of Jupiter family comets. <i>Proceedings of the International Astronomical Union</i> , 2004, 2004, 205-208.	0.0	0
76	Water alteration on (42355) Typhon?. <i>Proceedings of the International Astronomical Union</i> , 2009, 5, 197-200.	0.0	0