

Alexandre H Andrei

List of Publications by Citations

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103
papers

6,451
citations

23
h-index

80
g-index

119
ext. papers

7,531
ext. citations

4.6
avg, IF

3.79
L-index

#	Paper	IF	Citations
103	TheGaia mission. <i>Astronomy and Astrophysics</i> , 2016 , 595, A1	5.1	2933
102	GaiaData Release 1. <i>Astronomy and Astrophysics</i> , 2016 , 595, A2	5.1	1364
101	GaiaData Release 1. <i>Astronomy and Astrophysics</i> , 2016 , 595, A4	5.1	505
100	A Pluto-like radius and a high albedo for the dwarf planet Eris from an occultation. <i>Nature</i> , 2011 , 478, 493-6	50.4	125
99	76 T dwarfs from the UKIDSS LAS: benchmarks, kinematics and an updated space density. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013 , 433, 457-497	4.3	88
98	Boron carbonitride films deposited by pulsed laser ablation. <i>Applied Surface Science</i> , 1998 , 133, 239-242	6.7	74
97	GaiaData Release 1. <i>Astronomy and Astrophysics</i> , 2016 , 595, A3	5.1	73
96	Gaia Data Release 1. <i>Astronomy and Astrophysics</i> , 2017 , 601, A19	5.1	71
95	Charon's size and an upper limit on its atmosphere from a stellar occultation. <i>Nature</i> , 2006 , 439, 52-4	50.4	69
94	PARALLAXES OF SOUTHERN EXTREMELY COOL OBJECTS. I. TARGETS, PROPER MOTIONS, AND FIRST RESULTS. <i>Astronomical Journal</i> , 2011 , 141, 54	4.9	60
93	GaiaData Release 1. <i>Astronomy and Astrophysics</i> , 2016 , 595, A5	5.1	55
92	High precision astrometry mission for the detection and characterization of nearby habitable planetary systems with the Nearby Earth Astrometric Telescope (NEAT). <i>Experimental Astronomy</i> , 2012 , 34, 385-413	1.3	54
91	PARALLAXES OF SOUTHERN EXTREMELY COOL OBJECTS (PARSEC). II. SPECTROSCOPIC FOLLOW-UP AND PARALLAXES OF 52 TARGETS. <i>Astronomical Journal</i> , 2013 , 146, 161	4.9	54
90	Deposition of high quality TiN films by excimer laser ablation in reactive gas. <i>Journal of Applied Physics</i> , 1993 , 74, 5781-5789	2.5	47
89	NPARSEC: NTT Parallaxes of Southern Extremely Cool objects. Goals, targets, procedures and first results. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013 , 433, 2054-2063	4.3	46
88	Investigation of USNO-A2.0 Catalog Positions. <i>Astrophysical Journal</i> , 2001 , 552, 380-385	4.7	38
87	Precise predictions of stellar occultations by Pluto, Charon, Nix, and Hydra for 2008. <i>Astronomy and Astrophysics</i> , 2010 , 515, A32	5.1	34

86	The third release of the Large Quasar Astrometric Catalog (LQAC-3): a compilation of 321 957 objects. <i>Astronomy and Astrophysics</i> , 2015 , 583, A75	5.1	33
85	A response surface model predicting the in vivo insertion behavior of micromachined neural implants. <i>Journal of Neural Engineering</i> , 2012 , 9, 016005	5	32
84	The large quasar reference frame (LQRF). <i>Astronomy and Astrophysics</i> , 2009 , 505, 385-404	5.1	31
83	The second release of the Large Quasar Astrometric Catalog (LQAC-2). <i>Astronomy and Astrophysics</i> , 2012 , 537, A99	5.1	26
82	Pulsed laser deposition of lead-free (Na _{0.5} Bi _{0.5}) _{1-x} BaxTiO ₃ ferroelectric thin films with enhanced dielectric properties. <i>Applied Surface Science</i> , 2013 , 278, 162-165	6.7	23
81	The construction of the large quasar astrometric catalogue (LQAC). <i>Astronomy and Astrophysics</i> , 2009 , 494, 799-815	5.1	23
80	Parallaxes of Five L Dwarfs with a Robotic Telescope. <i>Publications of the Astronomical Society of the Pacific</i> , 2014 , 126, 15-26	5	22
79	Candidate stellar occultations by large trans-Neptunian objects up to 2015. <i>Astronomy and Astrophysics</i> , 2012 , 541, A142	5.1	22
78	Observed Variations of the Solar Diameter in 1998/2000. <i>Solar Physics</i> , 2003 , 212, 7-21	2.6	22
77	Photocentric variability of quasars caused by variations in their inner structure: consequences for Gaia measurements. <i>Astronomy and Astrophysics</i> , 2012 , 538, A107	5.1	21
76	Laser-induced photodeposition from ZnS colloid solutions. <i>Applied Surface Science</i> , 1995 , 86, 538-542	6.7	21
75	A 1500 deg ² near infrared proper motion catalogue from the UKIDSS Large Area Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013 , 437, 3603-3625	4.3	19
74	OBSERVATIONS AND ANALYSIS OF MUTUAL EVENTS BETWEEN THE URANUS MAIN SATELLITES. <i>Astronomical Journal</i> , 2009 , 137, 4046-4053	4.9	18
73	Candidate stellar occultations by Centaurs and trans-Neptunian objects up to 2014. <i>Astronomy and Astrophysics</i> , 2014 , 561, A37	5.1	17
72	Characterization of ZnO thin films deposited by laser ablation in reactive atmosphere. <i>Applied Surface Science</i> , 1996 , 96-98, 827-830	6.7	17
71	Solar diameter observations at Observat�o Nacional in 1998-1999. <i>Astronomy and Astrophysics</i> , 2000 , 143, 265-267		17
70	CONSTRAINTS ON CHARON'S ORBITAL ELEMENTS FROM THE DOUBLE STELLAR OCCULTATION OF 2008 JUNE 22. <i>Astronomical Journal</i> , 2011 , 141, 67	4.9	16
69	Carbon nitride thin films prepared by a capacitively coupled RF plasma jet. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1996 , 120, 298-302	1.2	16

68	Astrometric positions for 18 irregular satellites of giant planets from 23 years of observations. <i>Astronomy and Astrophysics</i> , 2015 , 580, A76	5.1	15
67	Comparison of CCD astrolabe multi-site solar diameter observations. <i>Astronomy and Astrophysics</i> , 2004 , 427, 717-723	5.1	15
66	CCD astrolabe solar diameter measurements in 1999-2000. <i>Astronomy and Astrophysics</i> , 2002 , 384, 650-653	5.1	14
65	Solar diameter observations at Observat�o Nacional in 1997-1998. <i>Astronomy and Astrophysics</i> , 1999 , 135, 227-229		14
64	High proper motion objects from the UKIDSS Galactic plane survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014 , 443, 2327-2341	4.3	13
63	Astrophotometric variability of CFHT-LS Deep 2 QSOs. <i>Astronomy and Astrophysics</i> , 2011 , 526, A25	5.1	13
62	CNx thin films obtained by laser induced CVD in different gas-substrate systems. <i>Applied Surface Science</i> , 1997 , 109-110, 544-548	6.7	13
61	Positions of Uranus and Its Main Satellites. <i>Astronomical Journal</i> , 2003 , 125, 2714-2720	4.9	13
60	Optical Positions of ICRF Sources Using UCAC Reference Stars. <i>Astronomical Journal</i> , 2003 , 125, 2728-2739	4.9	13
59	A Pattern of Noncoincidence between Radio and Optical Positions of International Celestial Reference Frame Sources. <i>Astronomical Journal</i> , 2002 , 124, 612-618	4.9	13
58	Systematic astrometric observations of Proteus. <i>Astronomy and Astrophysics</i> , 2004 , 425, 1107-1111	5.1	13
57	Rio survey of optical astrometric positions for 300 ICRF2 sources and the current optical/radio frame link status before Gaia?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013 , 430, 2797-2814	4.3	12
56	Optical monitoring of extragalactic sources for linking the ICRF and the future Gaia celestial reference frame. <i>Astronomy and Astrophysics</i> , 2013 , 552, A98	5.1	11
55	The non-convex shape of (234) Barbara, the first Barbarian*. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 448, 3382-3390	4.3	10
54	Investigation on the southern part of the high density astrometric catalogs USNO B1.0, 2MASS and UCAC2. <i>Astronomy and Astrophysics</i> , 2005 , 429, 739-745	5.1	10
53	Optical Positions for a Sample of ICRF Sources. <i>Astronomical Journal</i> , 2000 , 119, 1470-1479	4.9	10
52	Silicon carbide thin films as nuclear ceramics grown by laser ablation. <i>Journal of Nuclear Materials</i> , 2011 , 416, 18-21	3.3	9
51	A Method to Improve Guide Star Catalogue Positions with Astrometric Catalogs. <i>Astronomical Journal</i> , 1997 , 113, 1451	4.9	9

50	49 new T dwarfs identified using methane imaging. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 450, 2486-2499	4.3	8
49	Instrumental and digital coronagraphy for the observation of the Uranus satellites—upcoming mutual events. <i>Planetary and Space Science</i> , 2008 , 56, 1882-1887	2	8
48	Solar diameter observations with the Astrolabe at Observatório Nacional - Rio de Janeiro. <i>Astronomy and Astrophysics</i> , 1998 , 130, 317-321		8
47	Estimation of zonal errors in star catalogs using CCD observations of ICRF sources. <i>Astronomy and Astrophysics</i> , 2002 , 393, 331-337	5.1	7
46	CCD observations of Phoebe. <i>Astronomy and Astrophysics</i> , 2000 , 142, 81-84		7
45	Long-term RandV-band monitoring of some suitable targets for the link between ICRF and the future Gaia celestial reference frame. <i>Astronomy and Astrophysics</i> , 2016 , 587, A112	5.1	7
44	An exploration of Pluto's environment through stellar occultations. <i>Astronomy and Astrophysics</i> , 2014 , 561, A144	5.1	6
43	Astrometry of the main satellites of Uranus: 18 years of observations. <i>Astronomy and Astrophysics</i> , 2015 , 582, A8	5.1	6
42	GBOT - ground based optical tracking of the Gaia satellite 2014 ,		6
41	Astrometric comparisons of quasar catalogues. <i>Astronomy and Astrophysics</i> , 2008 , 485, 299-302	5.1	6
40	The influence of radio-extended structures on offsets between the optical and VLBI positions of sources in the ICRF2. <i>Astronomy and Astrophysics</i> , 2011 , 532, A115	5.1	5
39	Apparent close approaches between near-Earth asteroids and quasars. <i>Astronomy and Astrophysics</i> , 2010 , 509, A27	5.1	5
38	Capacity coupled r.f. discharge plasma jet treatment of a-SiC:H structures. <i>Thin Solid Films</i> , 1997 , 296, 23-27	2.2	5
37	Astrometry of International Celestial Reference Frame Sources Using the Second US Naval Observatory CCD Astrograph Catalog. <i>Astronomical Journal</i> , 2005 , 129, 2907-2913	4.9	5
36	Northern Hemisphere observations of ICRF sources on the USNO stellar catalogue frame. <i>Astronomy and Astrophysics</i> , 2004 , 420, 1163-1169	5.1	5
35	Comparison of radio and optical positions of radio stars. <i>Astronomical Journal</i> , 1995 , 109, 428	4.9	5
34	Astrometric CCD Positions for Extragalactic Radiosources. <i>Astronomical Journal</i> , 1997 , 113, 2329	4.9	5
33	Electrical and optical investigations on Pb1Bx/2LaxZr0.2Ti0.8O3 thin films obtained by radiofrequency assisted pulsed laser deposition. <i>Thin Solid Films</i> , 2012 , 520, 4568-4571	2.2	4

32	Electro-optic and dielectric properties of epitaxial $\text{Pb}_{1-x}\text{La}_x\text{Zr}_{0.2}\text{Ti}_{0.8}\text{O}_3$ thin films obtained by pulsed laser deposition. <i>Thin Solid Films</i> , 2013 , 541, 127-130	2.2	4
31	Close approaches between Jupiter and quasars with possible application to the scheduled GAIA mission. <i>Astronomy and Astrophysics</i> , 2007 , 471, 335-343	5.1	4
30	Optical astrometric positions of 59 northern ICRF radio sources. <i>Astronomy and Astrophysics</i> , 2007 , 476, 989-993	5.1	4
29	Optical positions of radio emitting stars. <i>Astronomy and Astrophysics</i> , 1996 , 117, 335-342		4
28	Fabrication, characterization, and reliability study of AlN-driven cantilevers 2006 , 6188, 196		3
27	Evidence of refractive index change by Ti indiffusion into LiNbO ₃ substrate as a result of multipulse free-running ruby laser irradiation. <i>Journal of Applied Physics</i> , 1993 , 74, 24-30	2.5	3
26	Quasi-automatic software support for Gaia ground based optical tracking 2014 ,		2
25	Strain-induced long range ferroelectric order and linear electro-optic effect in epitaxial relaxor thin films. <i>Journal of Applied Physics</i> , 2014 , 116, 074106	2.5	2
24	Observed variations of the solar photospheric diameter. <i>Proceedings of the International Astronomical Union</i> , 2009 , 5, 72-74	0.1	2
23	A solar cycle lengthwise series of solar diameter measurements. <i>Proceedings of the International Astronomical Union</i> , 2009 , 5, 49-54	0.1	1
22	Astrometric detection of faint companions in the Pluto/Charon case study. <i>Proceedings of the International Astronomical Union</i> , 2007 , 3, 104-105	0.1	1
21	DIVISION I / WORKING GROUP NOMENCLATURE FOR FUNDAMENTAL ASTRONOMY. <i>Proceedings of the International Astronomical Union</i> , 2007 , 3, 74-78	0.1	1
20	Proposed terminology in fundamental astronomy based on IAU 2000 resolutions. <i>Proceedings of the International Astronomical Union</i> , 2006 , 2, 474-475	0.1	1
19	Division I Working Group on Nomenclature for Fundamental Astronomy (NFA). <i>Proceedings of the International Astronomical Union</i> , 2005 , 1, 59-62	0.1	1
18	A Luni-Solar Precession and Nutation Analysis from Radio Astrometric Observations. <i>International Astronomical Union Colloquium</i> , 1991 , 127, 197-197		1
17	Early Radio Positions of Stars. <i>Astronomical Journal</i> , 1999 , 117, 483-491	4.9	1
16	The luminosity function of quasars by the Principle of Maximum Entropy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 488, 183-190	4.3	
15	Remarks of Gaia DR1 magnitude using ground-based optical monitoring of QSOs. <i>Proceedings of the International Astronomical Union</i> , 2017 , 12, 88-89	0.1	

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| 14 | The Reflecting Heliometer of Rio de Janeiro after 6 years of activity. <i>Proceedings of the International Astronomical Union</i> , 2015 , 11, 339-341 | 0.1 |
| 13 | Digital prototyping technique applied for redesigning plastic products. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015 , 95, 012112 | 0.4 |
| 12 | The parsec program: a large sample of brown dwarf trigonometric parallaxes. <i>Proceedings of the International Astronomical Union</i> , 2012 , 8, 48-51 | 0.1 |
| 11 | Development and first year of results from the Heliometer of Observat o Nacional. <i>Proceedings of the International Astronomical Union</i> , 2012 , 8, 481-482 | 0.1 |
| 10 | The development of the Heliometer of the Observat o Nacional. <i>Proceedings of the International Astronomical Union</i> , 2009 , 5, 487-492 | 0.1 |
| 9 | Astrometric and Photometric Variability in Quasars. <i>Proceedings of the International Astronomical Union</i> , 2009 , 5, 103-103 | 0.1 |
| 8 | Investigations on Optical and Radio Reference Frames. <i>International Astronomical Union Colloquium</i> , 1997 , 165, 449-452 | |
| 7 | Astrometric Positions of Quasars by CCD Observations1. <i>International Astronomical Union Colloquium</i> , 1997 , 165, 547-550 | |
| 6 | DIVISION I / WORKING GROUP ASTROMETRY BY SMALL GROUND-BASED TELESCOPES. <i>Proceedings of the International Astronomical Union</i> , 2008 , 4, 63-67 | 0.1 |
| 5 | A Gaia oriented analysis of a large sample of quasars. <i>Proceedings of the International Astronomical Union</i> , 2007 , 3, 260-261 | 0.1 |
| 4 | Von, & Von-based optical extragalactic reference frame progress report. <i>Proceedings of the International Astronomical Union</i> , 2006 , 2, 462-462 | 0.1 |
| 3 | Astrolabe Solar Observations. <i>International Astronomical Union Colloquium</i> , 2000 , 178, 303-316 | |
| 2 | Deposition of carbon nitride thin films by IR-laser-induced reactions in carbon-nitrogen gas-phase compounds 1998 , 3405, 199 | |
| 1 | Finite element method in the study of the multiple deck boundary layer flow of a class of non-Newtonian fluids 1998 , 464-469 | |