

J Anton Zensus

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1182623/publications.pdf>

Version: 2024-02-01

82
papers

11,942
citations

53794

45
h-index

58581

82
g-index

82
all docs

82
docs citations

82
times ranked

5026
citing authors

#	ARTICLE	IF	CITATIONS
1	Ambilateral collimation study of the twin-jets in NGC 1052. <i>Astronomy and Astrophysics</i> , 2022, 658, A119.	5.1	11
2	The Variability of the Black Hole Image in M87 at the Dynamical Timescale. <i>Astrophysical Journal</i> , 2022, 925, 13.	4.5	6
3	The Unanticipated Phenomenology of the Blazar PKS 2131-021: A Unique Supermassive Black Hole Binary Candidate. <i>Astrophysical Journal Letters</i> , 2022, 926, L35.	8.3	20
4	New Tests of Milli-lensing in the Blazar PKS 1413 + 135. <i>Astrophysical Journal</i> , 2022, 927, 24.	4.5	3
5	Mid-infrared Studies of Dusty Sources in the Galactic Center. <i>Astrophysical Journal</i> , 2022, 929, 178.	4.5	5
6	First Sagittarius A* Event Horizon Telescope Results. II. EHT and Multiwavelength Observations, Data Processing, and Calibration. <i>Astrophysical Journal Letters</i> , 2022, 930, L13.	8.3	142
7	The science case and challenges of space-borne sub-millimeter interferometry. <i>Acta Astronautica</i> , 2022, 196, 314-333.	3.2	15
8	Selective Dynamical Imaging of Interferometric Data. <i>Astrophysical Journal Letters</i> , 2022, 930, L18.	8.3	21
9	The Relativistic Jet Orientation and Host Galaxy of the Peculiar Blazar PKS 1413+135. <i>Astrophysical Journal</i> , 2021, 907, 61.	4.5	13
10	Final results of the LOPES radio interferometer for cosmic-ray air showers. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	12
11	First M87 Event Horizon Telescope Results. VII. Polarization of the Ring. <i>Astrophysical Journal Letters</i> , 2021, 910, L12.	8.3	215
12	Polarimetric Properties of Event Horizon Telescope Targets from ALMA. <i>Astrophysical Journal Letters</i> , 2021, 910, L14.	8.3	67
13	First M87 Event Horizon Telescope Results. VIII. Magnetic Field Structure near The Event Horizon. <i>Astrophysical Journal Letters</i> , 2021, 910, L13.	8.3	297
14	Probing the innermost regions of AGN jets and their magnetic fields with RadioAstron. <i>Astronomy and Astrophysics</i> , 2021, 648, A82.	5.1	5
15	Broadband Multi-wavelength Properties of M87 during the 2017 Event Horizon Telescope Campaign. <i>Astrophysical Journal Letters</i> , 2021, 911, L11.	8.3	56
16	The Polarized Image of a Synchrotron-emitting Ring of Gas Orbiting a Black Hole. <i>Astrophysical Journal</i> , 2021, 912, 35.	4.5	43
17	Pinpointing the jet apex of 3C 84. <i>Astronomy and Astrophysics</i> , 2021, 650, L18.	5.1	9
18	Event Horizon Telescope observations of the jet launching and collimation in Centaurus A. <i>Nature Astronomy</i> , 2021, 5, 1017-1028.	10.1	65

#	ARTICLE	IF	CITATIONS
19	Rapid Variability of Sgr A* across the Electromagnetic Spectrum. <i>Astrophysical Journal</i> , 2021, 917, 73.	4.5	35
20	Verification of Radiative Transfer Schemes for the EHT. <i>Astrophysical Journal</i> , 2020, 897, 148.	4.5	44
21	THEMIS: A Parameter Estimation Framework for the Event Horizon Telescope. <i>Astrophysical Journal</i> , 2020, 897, 139.	4.5	47
22	Event Horizon Telescope imaging of the archetypal blazar 3C 279 at an extreme 20 microarcsecond resolution. <i>Astronomy and Astrophysics</i> , 2020, 640, A69.	5.1	54
23	Monitoring the Morphology of M87* in 2009–2017 with the Event Horizon Telescope. <i>Astrophysical Journal</i> , 2020, 901, 67.	4.5	51
24	The Event Horizon General Relativistic Magnetohydrodynamic Code Comparison Project. <i>Astrophysical Journal, Supplement Series</i> , 2019, 243, 26.	7.7	175
25	Spatially resolved origin of millimeter-wave linear polarization in the nuclear region of 3C 84. <i>Astronomy and Astrophysics</i> , 2019, 622, A196.	5.1	29
26	F-GAMMA: Multi-frequency radio monitoring of Fermi blazars. <i>Astronomy and Astrophysics</i> , 2019, 626, A60.	5.1	21
27	The Size, Shape, and Scattering of Sagittarius A* at 86 GHz: First VLBI with ALMA. <i>Astrophysical Journal</i> , 2019, 871, 30.	4.5	81
28	First M87 Event Horizon Telescope Results. III. Data Processing and Calibration. <i>Astrophysical Journal Letters</i> , 2019, 875, L3.	8.3	519
29	First M87 Event Horizon Telescope Results. II. Array and Instrumentation. <i>Astrophysical Journal Letters</i> , 2019, 875, L2.	8.3	618
30	First M87 Event Horizon Telescope Results. IV. Imaging the Central Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2019, 875, L4.	8.3	806
31	First M87 Event Horizon Telescope Results. I. The Shadow of the Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2019, 875, L1.	8.3	2,264
32	First M87 Event Horizon Telescope Results. V. Physical Origin of the Asymmetric Ring. <i>Astrophysical Journal Letters</i> , 2019, 875, L5.	8.3	814
33	First M87 Event Horizon Telescope Results. VI. The Shadow and Mass of the Central Black Hole. <i>Astrophysical Journal Letters</i> , 2019, 875, L6.	8.3	897
34	The magnetic field structure in CTA 102 from high-resolution mm-VLBI observations during the flaring state in 2016–2017. <i>Astronomy and Astrophysics</i> , 2019, 622, A158.	5.1	21
35	Using evolutionary algorithms to model relativistic jets. <i>Astronomy and Astrophysics</i> , 2019, 629, A4.	5.1	24
36	A wide and collimated radio jet in 3C84 on the scale of a few hundred gravitational radii. <i>Nature Astronomy</i> , 2018, 2, 472-477.	10.1	99

#	ARTICLE	IF	CITATIONS
37	The limb-brightened jet of M87 down to the 7 Schwarzschild radii scale. <i>Astronomy and Astrophysics</i> , 2018, 616, A188.	5.1	128
38	Detection of Intrinsic Source Structure at $\sim 1/3$ Schwarzschild Radii with Millimeter-VLBI Observations of SAGITTARIUS A*. <i>Astrophysical Journal</i> , 2018, 859, 60.	4.5	67
39	Effelsberg Monitoring of a Sample of RadioAstron Blazars: Analysis of Intra-Day Variability. <i>Galaxies</i> , 2018, 6, 49.	3.0	7
40	Jet-torus connection in radio galaxies. <i>Astronomy and Astrophysics</i> , 2018, 609, A80.	5.1	19
41	Location of γ -ray emission and magnetic field strengths in OJ287. <i>Astronomy and Astrophysics</i> , 2017, 597, A80.	5.1	61
42	Symmetric Achromatic Variability in Active Galaxies: A Powerful New Gravitational Lensing Probe?. <i>Astrophysical Journal</i> , 2017, 845, 89.	4.5	20
43	Probing the innermost regions of AGN jets and their magnetic fields with RadioAstron. <i>Astronomy and Astrophysics</i> , 2017, 604, A111.	5.1	23
44	The Peculiar Light Curve of J1415+1320: A Case Study in Extreme Scattering Events. <i>Astrophysical Journal</i> , 2017, 845, 90.	4.5	14
45	Radio observations of active galactic nuclei with mm-VLBI. <i>Astronomy and Astrophysics Review</i> , 2017, 25, 1.	25.5	58
46	3 mm GMVA Observations of Total and Polarized Emission from Blazar and Radio Galaxy Core Regions. <i>Galaxies</i> , 2017, 5, 67.	3.0	12
47	Full-Stokes, Multi-Frequency Radio Polarimetry of Fermi Blazars; Monitoring and Modelling. <i>Galaxies</i> , 2017, 5, 81.	3.0	3
48	Wisps in the Galactic center: Near-infrared triggered observations of the radio source Sgr A* at 43 GHz. <i>Astronomy and Astrophysics</i> , 2016, 587, A37.	5.1	26
49	The RadioAstron Dedicated DiFX Distribution. <i>Galaxies</i> , 2016, 4, 55.	3.0	15
50	RADIOASTRON OBSERVATIONS OF THE QUASAR 3C273: A CHALLENGE TO THE BRIGHTNESS TEMPERATURE LIMIT. <i>Astrophysical Journal Letters</i> , 2016, 820, L9.	8.3	81
51	A large light-mass component of cosmic rays at 10^{17} – $10^{17.5}$ electronvolts from radio observations. <i>Nature</i> , 2016, 531, 70-73.	27.8	116
52	PERSISTENT ASYMMETRIC STRUCTURE OF SAGITTARIUS A* ON EVENT HORIZON SCALES. <i>Astrophysical Journal</i> , 2016, 820, 90.	4.5	65
53	A highly magnetized twin-jet base pinpoints a supermassive black hole. <i>Astronomy and Astrophysics</i> , 2016, 593, A47.	5.1	65
54	RadioAstron space VLBI imaging of polarized radio emission in the high-redshift quasar 0642+449 at 1.6 GHz. <i>Astronomy and Astrophysics</i> , 2015, 583, A100.	5.1	20

#	ARTICLE	IF	CITATIONS
55	Resolved magnetic-field structure and variability near the event horizon of Sagittarius A*. Science, 2015, 350, 1242-1245.	12.6	176
56	230 GHz VLBI OBSERVATIONS OF M87: EVENT-HORIZON-SCALE STRUCTURE DURING AN ENHANCED VERY-HIGH-ENERGY γ RAY STATE IN 2012. Astrophysical Journal, 2015, 807, 150.	4.5	98
57	RadioAstron: A telescope with a size of 300 000 km: Main parameters and first observational results. Astronomy Reports, 2013, 57, 153-194.	0.9	197
58	Catching the radio flare in CTA 102. Astronomy and Astrophysics, 2013, 557, A105.	5.1	79
59	Experimental evidence for the sensitivity of the air-shower radio signal to the longitudinal shower development. Physical Review D, 2012, 85, .	4.7	43
60	SIMULATION OF SHOCK-SHOCK INTERACTION IN PARSEC-SCALE JETS. International Journal of Modern Physics Conference Series, 2012, 08, 323-326.	0.7	3
61	Relativistic outflow drives γ -ray emission in 3C 345. Astronomy and Astrophysics, 2012, 537, A70.	5.1	60
62	Millimeter to X-ray flares from Sagittarius A*. Astronomy and Astrophysics, 2012, 537, A52.	5.1	67
63	The Galactic centre mini-spiral in the mm-regime. Astronomy and Astrophysics, 2012, 538, A127.	5.1	20
64	MOJAVE: Monitoring of Jets in Active galactic nuclei with VLBA Experiments. Astronomy and Astrophysics, 2012, 545, A113.	5.1	182
65	On the calibration of full-polarization 86 GHz global VLBI observations. Astronomy and Astrophysics, 2012, 542, A107.	5.1	38
66	High-frequency very long baseline interferometry studies of NRAO 530. Monthly Notices of the Royal Astronomical Society, 2011, 418, 2260-2272.	4.4	16
67	BLAZARS IN THE FERMI ERA: THE OVRO 40 m TELESCOPE MONITORING PROGRAM. Astrophysical Journal, Supplement Series, 2011, 194, 29.	7.7	394
68	MOJAVE: MONITORING OF JETS IN ACTIVE GALACTIC NUCLEI WITH VLBA EXPERIMENTS. VII. BLAZAR JET ACCELERATION. Astrophysical Journal, 2009, 706, 1253-1268.	4.5	111
69	MOJAVE: MONITORING OF JETS IN ACTIVE GALACTIC NUCLEI WITH VLBA EXPERIMENTS. V. MULTI-EPOCH VLBA IMAGES. Astronomical Journal, 2009, 137, 3718-3729.	4.7	296
70	MOJAVE: MONITORING OF JETS IN ACTIVE GALACTIC NUCLEI WITH VLBA EXPERIMENTS. VI. KINEMATICS ANALYSIS OF A COMPLETE SAMPLE OF BLAZAR JETS. Astronomical Journal, 2009, 138, 1874-1892.	4.7	388
71	Direction identification in radio images of cosmic-ray air showers detected with LOPES and KASCADE. Astronomy and Astrophysics, 2008, 487, 781-788.	5.1	19
72	Frequency spectra of cosmic ray air shower radio emission measured with LOPES. Astronomy and Astrophysics, 2008, 488, 807-817.	5.1	27

#	ARTICLE	IF	CITATIONS
73	Simultaneous NIR/sub-mm observation of flare emission from \hat{A} Sagittarius \hat{A} *. Astronomy and Astrophysics, 2008, 492, 337-344.	5.1	69
74	Radio emission of highly inclined cosmic ray air showers measured with LOPES. Astronomy and Astrophysics, 2007, 462, 389-395.	5.1	17
75	Amplified radio emission from cosmic ray air showers in thunderstorms. Astronomy and Astrophysics, 2007, 467, 385-394.	5.1	43
76	Sub-Milliarcsecond Imaging of Quasars and Active Galactic Nuclei. IV. Fine-Scale Structure. Astronomical Journal, 2005, 130, 2473-2505.	4.7	285
77	Detection and imaging of atmospheric radio flashes from cosmic ray air showers. Nature, 2005, 435, 313-316.	27.8	297
78	The twin-jet system in NGC 1052: VLBI-scrutiny of the obscuring torus. Astronomy and Astrophysics, 2004, 426, 481-493.	5.1	82
79	Spectral Evolution of the Parsec-scale Jet in the Quasar 3C 345. Astrophysical Journal, 1999, 521, 509-525.	4.5	59
80	Sub-Milliarcsecond Imaging of Quasars and Active Galactic Nuclei. Astronomical Journal, 1998, 115, 1295-1318.	4.7	282
81	Linear Polarization Imaging with Very Long Baseline Interferometry at High Frequencies. Astronomical Journal, 1995, 110, 2479.	4.7	109
82	The Parsec-scale jet in quasar 3C 345. Astrophysical Journal, 1995, 443, 35.	4.5	81