

Alexander B Pushkarev

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	MOJAVE. X. PARSEC-SCALE JET ORIENTATION VARIATIONS AND SUPERLUMINAL MOTION IN ACTIVE GALACTIC NUCLEI. <i>Astronomical Journal</i> , 2013, 146, 120.	1.9	327
2	MOJAVE. XIII. PARSEC-SCALE AGN JET KINEMATICS ANALYSIS BASED ON 19 YEARS OF VLBA OBSERVATIONS AT 15 GHz. <i>Astronomical Journal</i> , 2016, 152, 12.	1.9	203
3	Jet opening angles and gamma-ray brightness of AGN. <i>Astronomy and Astrophysics</i> , 2009, 507, L33-L36.	2.1	202
4	MOJAVE. XV. VLBA 15 GHz Total Intensity and Polarization Maps of 437 Parsec-scale AGN Jets from 1996 to 2017. <i>Astrophysical Journal, Supplement Series</i> , 2018, 234, 12.	3.0	187
5	INSIGHTS INTO THE HIGH-ENERGY γ -RAY EMISSION OF MARKARIAN 501 FROM EXTENSIVE MULTIFREQUENCY OBSERVATIONS IN THE <i>FERMI</i> ERA. <i>Astrophysical Journal</i> , 2011, 727, 129.	1.6	185
6	MOJAVE: Monitoring of Jets in Active galactic nuclei with VLBA Experiments. <i>Astronomy and Astrophysics</i> , 2012, 545, A113.	2.1	182
7	THE RELATION BETWEEN AGN GAMMA-RAY EMISSION AND PARSEC-SCALE RADIO JETS. <i>Astrophysical Journal</i> , 2009, 696, L17-L21.	1.6	176
8	MOJAVE: MONITORING OF JETS IN ACTIVE GALACTIC NUCLEI WITH VLBA EXPERIMENTS. VIII. FARADAY ROTATION IN PARSEC-SCALE AGN JETS. <i>Astronomical Journal</i> , 2012, 144, 105.	1.9	174
9	<i>FERMI</i> DISCOVERY OF GAMMA-RAY EMISSION FROM NGC 1275. <i>Astrophysical Journal</i> , 2009, 699, 31-39.	1.6	165
10	MOJAVE. XVII. Jet Kinematics and Parent Population Properties of Relativistically Beamed Radio-loud Blazars. <i>Astrophysical Journal</i> , 2019, 874, 43.	1.6	157
11	Opacity in compact extragalactic radio sources and its effect on astrophysical and astrometric studies. <i>Astronomy and Astrophysics</i> , 2008, 483, 759-768.	2.1	154
12	A VLBA survey of the core shift effect in AGN jets. <i>Astronomy and Astrophysics</i> , 2011, 532, A38.	2.1	129
13	MOJAVE "XIV. Shapes and opening angles of AGN jets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 468, 4992-5003.	1.6	129
14	MOJAVE: MONITORING OF JETS IN ACTIVE GALACTIC NUCLEI WITH VLBA EXPERIMENTS. XI. SPECTRAL DISTRIBUTIONS. <i>Astronomical Journal</i> , 2014, 147, 143.	1.9	115
15	γ -RAY AND PARSEC-SCALE JET PROPERTIES OF A COMPLETE SAMPLE OF BLAZARS FROM THE MOJAVE PROGRAM. <i>Astrophysical Journal</i> , 2011, 742, 27.	1.6	101
16	<i>FERMI</i> LARGE AREA TELESCOPE AND MULTI-WAVELENGTH OBSERVATIONS OF THE FLARING ACTIVITY OF PKS 1510-089 BETWEEN 2008 SEPTEMBER AND 2009 JUNE. <i>Astrophysical Journal</i> , 2010, 721, 1425-1447.	1.6	99
17	RADIO/GAMMA-RAY TIME DELAY IN THE PARSEC-SCALE CORES OF ACTIVE GALACTIC NUCLEI. <i>Astrophysical Journal Letters</i> , 2010, 722, L7-L11.	3.0	95
18	Single-epoch VLBI imaging study of bright active galactic nuclei at 2 GHz and 8 GHz. <i>Astronomy and Astrophysics</i> , 2012, 544, A34.	2.1	89

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19	MULTIWAVELENGTH OBSERVATIONS OF 3C 454.3. III. EIGHTEEN MONTHS OF AGILE MONITORING OF THE "CRAZY DIAMOND". <i>Astrophysical Journal</i> , 2010, 712, 405-420.	1.6	88
20	MOJAVE. XII. ACCELERATION AND COLLIMATION OF BLAZAR JETS ON PARSEC SCALES. <i>Astrophysical Journal</i> , 2015, 798, 134.	1.6	88
21	PKS 1502+106: A NEW AND DISTANT GAMMA-RAY BLAZAR IN OUTBURST DISCOVERED BY THE FERMI LARGE AREA TELESCOPE. <i>Astrophysical Journal</i> , 2010, 710, 810-827.	1.6	87
22	Spine-sheath polarization structures in four active galactic nuclei jets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 356, 859-871.	1.6	86
23	MULTIWAVELENGTH MONITORING OF THE ENIGMATIC NARROW-LINE SEYFERT 1 PMN J0948+0022 IN 2009 MARCH-JULY. <i>Astrophysical Journal</i> , 2009, 707, 727-737.	1.6	81
24	RAPID TeV GAMMA-RAY FLARING OF BL LACERTAE. <i>Astrophysical Journal</i> , 2013, 762, 92.	1.6	80
25	Analysis of $\hat{\Lambda} = 6$ cm VLBI polarization observations of a complete sample of northern BL Lacertae objects. <i>Monthly Notices of the Royal Astronomical Society</i> , 2000, 319, 1109-1124.	1.6	78
26	Significant core shift variability in parsec-scale jets of active galactic nuclei. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 1822-1842.	1.6	66
27	A transition from parabolic to conical shape as a common effect in nearby AGN jets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 495, 3576-3591.	1.6	62
28	The first gamma-ray outburst of a narrow-line Seyfert 1 galaxy: the case of PMN J0948+0022 in 2010 July. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 413, 1671-1677.	1.6	61
29	STUDIES OF THE JET IN BL LACERTAE. I. RECOLLIMATION SHOCK AND MOVING EMISSION FEATURES. <i>Astrophysical Journal</i> , 2014, 787, 151.	1.6	60
30	Causal connection in parsec-scale relativistic jets: results from the MOJAVE VLBI survey. <i>Astronomy and Astrophysics</i> , 2013, 558, A144.	2.1	59
31	RELATIVISTIC JETS IN THE RADIO REFERENCE FRAME IMAGE DATABASE. II. BLAZAR JET ACCELERATIONS FROM THE FIRST 10 YEARS OF DATA (1994-2003). <i>Astrophysical Journal</i> , 2012, 758, 84.	1.6	58
32	Milky Way scattering properties and intrinsic sizes of active galactic nuclei cores probed by very long baseline interferometry surveys of compact extragalactic radio sources. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 452, 4274-4282.	1.6	51
33	Multiband variability studies and novel broadband SED modeling of Mrk 501 in 2009. <i>Astronomy and Astrophysics</i> , 2017, 603, A31.	2.1	49
34	Monitoring Of Jets in Active Galactic Nuclei with VLBA Experiments. XVIII. Kinematics and Inner Jet Evolution of Bright Radio-loud Active Galaxies. <i>Astrophysical Journal</i> , 2021, 923, 30.	1.6	48
35	Radio-to- γ -ray monitoring of the narrow-line Seyfert 1 galaxy PMN J0948+0022 from 2008 to 2011. <i>Astronomy and Astrophysics</i> , 2012, 548, A106.	2.1	43
36	THE CONNECTION BETWEEN THE RADIO JET AND THE GAMMA-RAY EMISSION IN THE RADIO GALAXY 3C 120. <i>Astrophysical Journal</i> , 2015, 808, 162.	1.6	38

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37	Evidence for a large-scale helical magnetic field in the quasar 3C 454.3. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 436, 3341-3356.	1.6	34
38	STUDIES OF THE JET IN BL LACERTAE. II. SUPERLUMINAL ALFVÉN WAVES. <i>Astrophysical Journal</i> , 2015, 803, 3.	1.6	34
39	DISCOVERY OF A NEW TeV GAMMA-RAY SOURCE: VER J0521+211. <i>Astrophysical Journal</i> , 2013, 776, 69.	1.6	33
40	MOJAVE. XIX. Brightness Temperatures and Intrinsic Properties of Blazar Jets. <i>Astrophysical Journal</i> , 2021, 923, 67.	1.6	32
41	Multiwavelength Observations of the Blazar BL Lacertae: A New Fast TeV Gamma-Ray Flare. <i>Astrophysical Journal</i> , 2018, 856, 95.	1.6	27
42	MOJAVE XVI: Multiepoch Linear Polarization Properties of Parsec-scale AGN Jet Cores. <i>Astrophysical Journal</i> , 2018, 862, 151.	1.6	27
43	The $\hat{\Lambda}=6$ cm VLBI polarization structure of nine BL Lacertae objects. <i>Monthly Notices of the Royal Astronomical Society</i> , 1999, 307, 725-736.	1.6	26
44	The simultaneous low state spectral energy distribution of 1ES 2344+514 from radio to very high energies. <i>Astronomy and Astrophysics</i> , 2013, 556, A67.	2.1	25
45	VLBA observations of a rare multiple quasar imaging event caused by refraction in the interstellar medium. <i>Astronomy and Astrophysics</i> , 2013, 555, A80.	2.1	25
46	Reversals in the Direction of Polarization Rotation in OJ 287. <i>Astrophysical Journal</i> , 2018, 862, 1.	1.6	25
47	A Decade of Multiwavelength Observations of the TeV Blazar 1ES 1215+303: Extreme Shift of the Synchrotron Peak Frequency and Long-term Optical γ -Ray Flux Increase. <i>Astrophysical Journal</i> , 2020, 891, 170.	1.6	22
48	Detection statistics of the RadioAstron AGN survey. <i>Advances in Space Research</i> , 2020, 65, 705-711.	1.2	21
49	Unusual radio properties of the BL Lac object 0820+225. <i>Monthly Notices of the Royal Astronomical Society</i> , 2001, 327, 1-9.	1.6	20
50	Measurement of the integrated Faraday rotations of BL Lac objects. <i>Astronomy Reports</i> , 2001, 45, 667-675.	0.2	19
51	Linear Polarization Properties of Parsec-Scale AGN Jets. <i>Galaxies</i> , 2017, 5, 93.	1.1	19
52	VLBA polarimetric monitoring of 3C 111. <i>Astronomy and Astrophysics</i> , 2018, 610, A32.	2.1	18
53	Multifrequency study of the gamma-ray flaring BL Lacertae object PKS 2233+148 in 2009–2012. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 482, 2336-2353.	1.6	18
54	VLBI-selected sample of compact symmetric object candidates and frequency-dependent position of hotspots. <i>Astronomy and Astrophysics</i> , 2011, 535, A24.	2.1	18

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55	TXS 0128+554: A Young Gamma-Ray-emitting Active Galactic Nucleus with Episodic Jet Activity. <i>Astrophysical Journal</i> , 2020, 899, 141.	1.6	18
56	Multi-frequency studies of the non-stationary radiation of the blazar 3C 454.3. <i>Astronomy Reports</i> , 2011, 55, 608-615.	0.2	17
57	THE RELATION BETWEEN RADIO POLARIZATION AND GAMMA-RAY EMISSION IN AGN JETS. <i>International Journal of Modern Physics D</i> , 2010, 19, 943-948.	0.9	16
58	Is OJ 287 a Single Supermassive Black Hole?. <i>Universe</i> , 2020, 6, 191.	0.9	16
59	Insights into the emission of the blazar 1ES 1011+496 through unprecedented broadband observations during 2011 and 2012. <i>Astronomy and Astrophysics</i> , 2016, 591, A10.	2.1	15
60	Physical parameters of active galactic nuclei derived from properties of the jet geometry transition region. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 2532-2543.	1.6	13
61	RadioAstron reveals a spine-sheath jet structure in 3C 273. <i>Astronomy and Astrophysics</i> , 2021, 654, A27.	2.1	11
62	A decade of joint MOJAVE Fermi AGN monitoring: localization of the gamma-ray emission region. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 510, 469-480.	1.6	10
63	Frequency-Dependent Core Shifts in Ultracompact Quasars. <i>Astronomy Reports</i> , 2018, 62, 787-813.	0.2	9
64	An Oversized Magnetic Sheath Wrapping around the Parsec-scale Jet in 3C 273. <i>Astrophysical Journal</i> , 2021, 910, 35.	1.6	9
65	Radar interferometer measurements of space debris using the Evpatoria RT-70 transmitter. <i>Advances in Space Research</i> , 2004, 34, 884-891.	1.2	7
66	From radio to TeV: the surprising spectral energy distribution of AP Librae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 3229-3239.	1.6	6
67	Studies of stationary features in jets: BL Lacertae. <i>Astronomy and Astrophysics</i> , 2020, 640, A62.	2.1	5
68	Results of theoretical and experimental studies of solar wind and active galactic nuclei on LFBV VLBI network using S2 recording system. <i>Radiophysics and Quantum Electronics</i> , 2007, 50, 253-273.	0.1	4
69	Multifrequency synthesis algorithm based on the generalized maximum entropy method: application to 0954+658. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 417, 434-443.	1.6	4
70	Constraints on Particles and Fields from Full Stokes Observations of AGN. <i>Galaxies</i> , 2018, 6, 17.	1.1	4
71	Two active states of the narrow-line gamma-ray-loud AGN GB 1310+487. <i>Astronomy and Astrophysics</i> , 2014, 565, A26.	2.1	4
72	Direction of Parsec-scale Jets for 9220 Active Galactic Nuclei. <i>Astrophysical Journal, Supplement Series</i> , 2022, 260, 4.	3.0	4

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73	Variations in the integral fluxes and structure of the radio source 3C120. <i>Astrophysics</i> , 2007, 50, 265-272.	0.1	3
74	The Connection between the Radio Jet and the $\hat{\nu}$ -ray Emission in the Radio Galaxy 3C 120 and the Blazar CTA 102. <i>Galaxies</i> , 2016, 4, 34.	1.1	3
75	Inverse Compton Scattering of the Central Source Photons as an X-Ray Emission Mechanism on Kiloparsec Scales in PKS 1127+145. <i>Astrophysical Journal</i> , 2019, 883, 131.	1.6	3
76	Quasi-simultaneous VLBI and RATAN-600 observations of active galactic nuclei. <i>Astronomy Reports</i> , 2004, 48, 900-908.	0.2	2
77	3C120: total flux variations and evolution of the very-long-baseline interferometry structure. <i>Astronomical and Astrophysical Transactions</i> , 2006, 25, 405-410.	0.2	2
78	Faraday rotation in the MOJAVE blazars: 3C 273 a case study. <i>Journal of Physics: Conference Series</i> , 2012, 355, 012008.	0.3	2
79	The Highly Self-absorbed Blazar PKS 1351-018. <i>Astrophysical Journal</i> , 2021, 919, 40.	1.6	2
80	Blazars with spine-sheath structures. <i>Astronomy Reports</i> , 2005, 49, 5-12.	0.2	1
81	Structure of the radio source 3C 120 at 8.4 GHz from VLBA+ observations in 2002. <i>Astronomy Reports</i> , 2008, 52, 12-18.	0.2	1
82	Inverse Compton Scattering of Radiation from a Central Source as a Possible Mechanism for the Formation of X-Ray Radiation from Kiloparsec Jets of Core-Dominated Quasars. <i>Astronomy Reports</i> , 2020, 64, 894-914.	0.2	1
83	Polarization VLBI Observations of a Complete Sample of Northern BL Lacertae Objects. <i>International Astronomical Union Colloquium</i> , 1998, 164, 165-166.	0.1	0
84	Opacity in compact extragalactic radio sources and its effect on radio-optical reference frame alignment. <i>Proceedings of the International Astronomical Union</i> , 2007, 3, 348-351.	0.0	0
85	Opacity in compact extragalactic radio sources and the core shift effect. <i>Journal of Physics: Conference Series</i> , 2008, 131, 012058.	0.3	0
86	Multifrequency method for mapping active galactic nuclei with allowance for the frequency-dependent image shift. <i>Astronomy Letters</i> , 2010, 36, 457-466.	0.1	0
87	10.1007/s11444-008-1002-5. , 2010, 52, 12.		0
88	3.6 cm VLBI Total Intensity and Polarization Images of BL Lacertae Objects. , 1996, , 51-52.		0
89	AGN jet physics and apparent opening angles. , 2016, , .		0
90	TXS 0128+554: A young gamma-ray emitting active galactic nucleus with episodic jet activity. <i>Astronomische Nachrichten</i> , 0, , .	0.6	0