

# Ivan Agudo

## List of Publications by Year in descending order

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119  
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#	ARTICLE	IF	CITATIONS
1	Emission-line Variability during a Nonthermal Outburst in the Gamma-Ray Bright Quasar 1156+295. <i>Astrophysical Journal</i> , 2022, 926, 180.	4.5	2
2	Kinematics of Parsec-scale Jets of Gamma-Ray Blazars at 43 GHz during 10 yr of the VLBA-BU-BLAZAR Program. <i>Astrophysical Journal, Supplement Series</i> , 2022, 260, 12.	7.7	40
3	Magnetic field strengths of the synchrotron self-absorption region in the jet of CTA102 during radio flares. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 510, 815-833.	4.4	6
4	Unraveling the Complex Behavior of Mrk 421 with Simultaneous X-Ray and VHE Observations during an Extreme Flaring Activity in 2013 April. <i>Astrophysical Journal, Supplement Series</i> , 2020, 248, 29.	7.7	25
5	Magnetism Science with the Square Kilometre Array. <i>Galaxies</i> , 2020, 8, 53.	3.0	41
6	Kilonova Luminosity Function Constraints Based on Zwicky Transient Facility Searches for 13 Neutron Star Merger Triggers during O3. <i>Astrophysical Journal</i> , 2020, 905, 145.	4.5	69
7	Mapping Circumstellar Magnetic Fields of Late-type Evolved Stars with the Goldreich-Kylafis Effect: CARMA Observations at 1.3 mm of R Crb and R Leo. <i>Astrophysical Journal</i> , 2020, 899, 152.	4.5	4
8	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
9	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
10	Observatory science with eXTP. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019, 62, 1.	5.1	50
11	Accretion in strong field gravity with eXTP. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019, 62, 1.	5.1	27
12	POLAMI: Polarimetric Monitoring of Active Galactic Nuclei at Millimetre Wavelengths III. Characterization of total flux density and polarization variability of relativistic jets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 1850-1867.	4.4	45
13	POLAMI: Polarimetric Monitoring of AGN at Millimetre Wavelengths I. The programme, calibration and calibrator data products. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 474, 1427-1435.	4.4	42
14	POLAMI: Polarimetric Monitoring of Active Galactic Nuclei at Millimetre Wavelengths II. Widespread circular polarization. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 2506-2520.	4.4	38
15	Optical Emission and Particle Acceleration in a Quasi-stationary Component in the Jet of OJ 287. <i>Astrophysical Journal</i> , 2018, 864, 67.	4.5	8
16	Multiwavelength Variability Study of the Classical BL Lac Object PKS 0735+178 on Timescales Ranging from Decades to Minutes. <i>Astrophysical Journal</i> , 2017, 837, 127.	4.5	27
17	Kinematics of Parsec-scale Jets of Gamma-Ray Blazars at 43 GHz within the VLBA-BU-BLAZAR Program. <i>Astrophysical Journal</i> , 2017, 846, 98.	4.5	230
18	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

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19	The Connection between the Radio Jet and the $\hat{\Gamma}^3$ -ray Emission in the Radio Galaxy 3C 120 and the Blazar CTA 102. <i>Galaxies</i> , 2016, 4, 34.	3.0	3
20	Correlation Analysis of Delays between Variations of Gamma-Ray and Optical Light Curves of Blazars. <i>Galaxies</i> , 2016, 4, 64.	3.0	3
21	Direct Imaging of a Toroidal Magnetic Field in the Inner Jet of NRAO 150. <i>Galaxies</i> , 2016, 4, 70.	3.0	1
22	Multi-Frequency Monitoring of the Flat Spectrum Radio Quasar PKS 1222+216 in 2008â€“2015. <i>Galaxies</i> , 2016, 4, 72.	3.0	5
23	Radio-loud AGN-jet morphology and polarization: the role of ultra-high resolution radio surveys. , 2016, , .		1
24	A MULTI-WAVELENGTH POLARIMETRIC STUDY OF THE BLAZAR CTA 102 DURING A GAMMA-RAY FLARE IN 2012. <i>Astrophysical Journal</i> , 2015, 813, 51.	4.5	51
25	Multiwavelength behaviour of the blazar OJ 248 from radio to $\hat{\Gamma}^3$ -raysâˆ“... <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 450, 2677-2691.	4.4	32
26	Optical and radio variability of BL Lacertae. <i>Astronomy and Astrophysics</i> , 2015, 582, A103.	5.1	18
27	A variable-density absorption event in NGC 3227 mapped with <i>Suzaku</i> and <i>Swift</i> . <i>Astronomy and Astrophysics</i> , 2015, 584, A82.	5.1	17
28	Evidence of internal rotation and a helical magnetic field in the jet of the quasar NRAOâ€™150. <i>Astronomy and Astrophysics</i> , 2014, 566, A26.	5.1	31
29	VERIFICATION OF THE ASTROMETRIC PERFORMANCE OF THE KOREAN VLBI NETWORK, USING COMPARATIVE SFPR STUDIES WITH THE VLBA AT 14/7 mm. <i>Astronomical Journal</i> , 2014, 148, 84.	4.7	32
30	THE OUTBURST OF THE BLAZAR S4 0954+658 IN 2011 MARCH-APRIL. <i>Astronomical Journal</i> , 2014, 148, 42.	4.7	34
31	The connection between the parsec-scale radio jet and $\hat{\Gamma}^3$ -ray flares in the blazar 1156+295. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 445, 1636-1646.	4.4	18
32	COMPREHENSIVE MONITORING OF GAMMA-RAY BRIGHT BLAZARS. I. STATISTICAL STUDY OF OPTICAL, X-RAY, AND GAMMA-RAY SPECTRAL SLOPES. <i>Astrophysical Journal</i> , 2014, 789, 135.	4.5	36
33	A simultaneous 3.5 and 1.3â€™mm polarimetric survey of active galactic nuclei in the northern sky. <i>Astronomy and Astrophysics</i> , 2014, 566, A59.	5.1	46
34	MAGIC gamma-ray and multi-frequency observations of flat spectrum radio quasar PKS 1510â€™089 in early 2012. <i>Astronomy and Astrophysics</i> , 2014, 569, A46.	5.1	70
35	The jet of the quasar 4C+21.35 from parsec to kiloparces scales and its role in high energy photon production. <i>Proceedings of the International Astronomical Union</i> , 2014, 10, 33-38.	0.0	2
36	LONG-TERM OPTICAL POLARIZATION VARIABILITY OF THE TeV BLAZAR 1ES 1959+650. <i>Astrophysical Journal, Supplement Series</i> , 2013, 206, 11.	7.7	26

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37	The awakening of BL Lacertae: observations by Fermi, Swift and the GASP-WEBTâ.... Monthly Notices of the Royal Astronomical Society, 2013, 436, 1530-1545.	4.4	97
38	A TIGHT CONNECTION BETWEEN GAMMA-RAY OUTBURSTS AND PARSEC-SCALE JET ACTIVITY IN THE QUASAR 3C 454.3. Astrophysical Journal, 2013, 773, 147.	4.5	141
39	The first two years in the lifetime of the newly born jet associated to Sw J1644+57. EPJ Web of Conferences, 2013, 61, 01003.	0.3	3
40	The Gamma-ray Activity of the high-z Quasar 0836+71. EPJ Web of Conferences, 2013, 61, 04003.	0.3	6
41	Prominent outburst of the blazar CTA 102 in 2012. EPJ Web of Conferences, 2013, 61, 04019.	0.3	6
42	Multiwavelength Observations of 6 BL Lac Objects in 2008-2012. EPJ Web of Conferences, 2013, 61, 04018.	0.3	1
43	Analyzing polarization swings in 3C 279. EPJ Web of Conferences, 2013, 61, 06003.	0.3	10
44	Multiwavelength polarization observations of the $\gamma$ -ray bright quasar PKS 0420-014. EPJ Web of Conferences, 2013, 61, 07008.	0.3	1
45	Near infrared polarimetry of a sample of blazars*. EPJ Web of Conferences, 2013, 61, 06007.	0.3	0
46	The innermost regions of the jet in NRAO150. EPJ Web of Conferences, 2013, 61, 08003.	0.3	1
47	The âFar Siteâ Scenario for Gamma-ray Emission in Blazars. EPJ Web of Conferences, 2013, 61, 04002.	0.3	1
48	THE UNUSUAL EMISSION STRUCTURE 140 PC FROM THE CORE IN THE JET OF THE RADIO GALAXY 3C 120. International Journal of Modern Physics Conference Series, 2012, 08, 315-318.	0.7	0
49	The first months in the lifetime of the newly born jet associated to Swift J1644+57. EPJ Web of Conferences, 2012, 39, 04002.	0.3	0
50	HELICAL MAGNETIC FIELDS IN RELATIVISTIC JETS THROUGH FARADAY ROTATION AND JET STRATIFICATION STUDIES. International Journal of Modern Physics Conference Series, 2012, 08, 265-270.	0.7	0
51	Faraday rotation in jets of AGN: the case of 3C 120. Journal of Physics: Conference Series, 2012, 355, 012022.	0.4	0
52	LOCATION OF THE $\gamma$ -RAY FLARING EMISSION IN THE PARSEC-SCALE JET OF THE BL LAC OBJECT AO 0235+164. International Journal of Modern Physics Conference Series, 2012, 08, 271-276.	0.7	5
53	MAPCAT: MONITORING AGN WITH POLARIMETRY AT THE CALAR ALTO TELESCOPES. International Journal of Modern Physics Conference Series, 2012, 08, 299-302.	0.7	9
54	A RECOLLIMATION SHOCK 80 mas FROM THE CORE IN THE JET OF THE RADIO GALAXY 3C 120: OBSERVATIONAL EVIDENCE AND MODELING. Astrophysical Journal, 2012, 752, 92.	4.5	29

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55	ERRATIC JET WOBBLING IN THE BL LACERTAE OBJECT OJ287 REVEALED BY SIXTEEN YEARS OF 7 mm VLBA OBSERVATIONS. <i>Astrophysical Journal</i> , 2012, 747, 63.	4.5	69
56	THE STRUCTURE AND EMISSION MODEL OF THE RELATIVISTIC JET IN THE QUASAR 3C 279 INFERRED FROM RADIO TO HIGH-ENERGY $\hat{\gamma}$ -RAY OBSERVATIONS IN 2008-2010. <i>Astrophysical Journal</i> , 2012, 754, 114.	4.5	152
57	$\hat{\gamma}$ -ray emission region located in the parsec scale jet of OJ287. <i>Journal of Physics: Conference Series</i> , 2012, 355, 012032.	0.4	4
58	ANATOMY OF HELICAL EXTRAGALACTIC JETS: THE CASE OF S5 0836+710. <i>Astrophysical Journal</i> , 2012, 749, 55.	4.5	54
59	Multiwavelength intraday variability of the BL Lacertae S5 0716+714. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 425, 1357-1370.	4.4	57
60	Variability of the blazar 4C 38.41 (B3 1633+382) from GHz frequencies to GeV energies. <i>Astronomy and Astrophysics</i> , 2012, 545, A48.	5.1	56
61	MULTIWAVELENGTH VARIATIONS OF 3C 454.3 DURING THE 2010 NOVEMBER TO 2011 JANUARY OUTBURST. <i>Astrophysical Journal</i> , 2012, 758, 72.	4.5	75
62	3C 286: a bright, compact, stable, and highly polarized calibrator for millimeter-wavelength observations. <i>Astronomy and Astrophysics</i> , 2012, 541, A111.	5.1	14
63	Identification of $\hat{\gamma}$ -ray emission from 3C 345 and NRAO 512. <i>Astronomy and Astrophysics</i> , 2011, 532, A150.	5.1	7
64	MULTIWAVELENGTH OBSERVATIONS OF THE GAMMA-RAY BLAZAR PKS 0528+134 IN QUIESCENCE. <i>Astrophysical Journal</i> , 2011, 735, 60.	4.5	28
65	CONNECTION BETWEEN THE ACCRETION DISK AND JET IN THE RADIO GALAXY 3C 111. <i>Astrophysical Journal</i> , 2011, 734, 43.	4.5	92
66	THE BRIGHTEST GAMMA-RAY FLARING BLAZAR IN THE SKY: <i>AGILE</i> AND MULTI-WAVELENGTH OBSERVATIONS OF 3C 454.3 DURING 2010 NOVEMBER. <i>Astrophysical Journal Letters</i> , 2011, 736, L38.	8.3	75
67	MULTI-WAVELENGTH OBSERVATIONS OF THE FLARING GAMMA-RAY BLAZAR 3C 66A IN 2008 OCTOBER. <i>Astrophysical Journal</i> , 2011, 726, 43.	4.5	70
68	LOCATION OF $\hat{\gamma}$ -RAY FLARE EMISSION IN THE JET OF THE BL LACERTAE OBJECT OJ287 MORE THAN 14 pc FROM THE CENTRAL ENGINE. <i>Astrophysical Journal Letters</i> , 2011, 726, L13.	8.3	171
69	The long-lasting activity of 3C 454.3. <i>Astronomy and Astrophysics</i> , 2011, 534, A87.	5.1	67
70	ON THE SOURCE OF FARADAY ROTATION IN THE JET OF THE RADIO GALAXY 3C 120. <i>Astrophysical Journal</i> , 2011, 733, 11.	4.5	53
71	ON THE LOCATION OF THE $\hat{\gamma}$ -RAY OUTBURST EMISSION IN THE BL LACERTAE OBJECT AO 0235+164 THROUGH OBSERVATIONS ACROSS THE ELECTROMAGNETIC SPECTRUM. <i>Astrophysical Journal Letters</i> , 2011, 735, L10.	8.3	109
72	AGILE detection of extreme $\hat{\gamma}$ -ray activity from the blazar PKS 1510-089 during March 2009. <i>Astronomy and Astrophysics</i> , 2011, 529, A145.	5.1	62

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73	Study of the NGC 2770 interstellar medium through $H\alpha$ , millimetric and optical polarimetric data of SN 2008D and SN 2007uy. <i>Advances in Space Research</i> , 2011, 47, 1421-1426.	2.6	1
74	Multi-Frequency Observations of Gamma-Ray Blazar 1633+382. <i>Journal of Astrophysics and Astronomy</i> , 2011, 32, 239-242.	1.0	9
75	A 3.5 mm POLARIMETRIC SURVEY OF RADIO-LOUD ACTIVE GALACTIC NUCLEI. <i>Astrophysical Journal, Supplement Series</i> , 2010, 189, 1-14.	7.7	64
76	FLARING BEHAVIOR OF THE QUASAR 3C 454.3 ACROSS THE ELECTROMAGNETIC SPECTRUM. <i>Astrophysical Journal</i> , 2010, 715, 362-384.	4.5	166
77	Another look at the BL Lacertae flux and spectral variability. <i>Astronomy and Astrophysics</i> , 2010, 524, A43.	5.1	68
78	MULTIWAVELENGTH OBSERVATIONS OF 3C 454.3. III. EIGHTEEN MONTHS OF AGILE MONITORING OF THE "CRAZY DIAMOND". <i>Astrophysical Journal</i> , 2010, 712, 405-420.	4.5	88
79	Simultaneous polarization monitoring of supernovae SN 2008D/XT 080109 and SN 2007uy: isolating geometry from dust. <i>Astronomy and Astrophysics</i> , 2010, 522, A14.	5.1	22
80	UNEXPECTED HIGH BRIGHTNESS TEMPERATURE 140 PC FROM THE CORE IN THE JET OF 3C 120. <i>Astrophysical Journal Letters</i> , 2010, 712, L160-L164.	8.3	16
81	The redshift and broad-band spectral energy distribution of NRAO 150. <i>Astronomy and Astrophysics</i> , 2010, 519, A5.	5.1	10
82	PROBING THE INNER JET OF THE QUASAR PKS 1510-089 WITH MULTI-WAVEBAND MONITORING DURING STRONG GAMMA-RAY ACTIVITY. <i>Astrophysical Journal Letters</i> , 2010, 710, L126-L131.	8.3	353
83	<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.	4.5	99
84	A change in the optical polarization associated with a $\gamma$ -ray flare in the blazar 3C 279. <i>Nature</i> , 2010, 463, 919-923.	27.8	269
85	The multifrequency campaign on 3C 279 in January 2006. <i>Astronomy and Astrophysics</i> , 2010, 522, A66.	5.1	28
86	THE SPECTRAL ENERGY DISTRIBUTION OF <i>FERMI</i> BRIGHT BLAZARS. <i>Astrophysical Journal</i> , 2010, 716, 30-70.	4.5	741
87	STATIONARY SHEATH OF FARADAY ROTATION IN THE JET OF 3C 120. <i>International Journal of Modern Physics D</i> , 2010, 19, 917-922.	2.1	0
88	3mm POLARIZATION PROPERTIES OF OPTICAL AND $\gamma$ -RAY CLASSES OF BLAZARS. <i>International Journal of Modern Physics D</i> , 2010, 19, 923-929.	2.1	0
89	SPECTRAL EVOLUTION OF SUPERLUMINAL COMPONENTS IN PARSEC-SCALE JETS. <i>Astrophysical Journal</i> , 2009, 696, 1142-1163.	4.5	103
90	SYNTHETIC SYNCHROTRON EMISSION MAPS FROM MHD MODELS FOR THE JET OF M87. <i>Astrophysical Journal</i> , 2009, 695, 503-510.	4.5	33

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91	The GASP-WEBT monitoring of 3C 454.3 during the 2008 optical-to-radio and $\gamma$ -ray outburst. <i>Astronomy and Astrophysics</i> , 2009, 504, L9-L12.	5.1	63
92	Non-radial motion in the TeV blazar S5 0716+714. <i>Astronomy and Astrophysics</i> , 2009, 508, 1205-1215.	5.1	20
93	AGILE detection of a rapid $\gamma$ -ray flare from the blazar PKS 1510-089 during the GASP-WEBT monitoring. <i>Astronomy and Astrophysics</i> , 2009, 508, 181-189.	5.1	41
94	WEBT multiwavelength monitoring and XMM-Newton observations of $\theta$ BL Lacertae in 2007-2008. <i>Astronomy and Astrophysics</i> , 2009, 507, 769-779.	5.1	56
95	Results of WEBT, VLBA and RXTE monitoring of 3C 279 during 2006-2007. <i>Astronomy and Astrophysics</i> , 2008, 492, 389-400.	5.1	107
96	Testing the inverse-Compton catastrophe scenario in the intra-day variable blazar S5 0716+71. <i>Astronomy and Astrophysics</i> , 2008, 490, 1019-1037.	5.1	73
97	The Trails of Superluminal Jet Components in 3C 111. <i>Astrophysical Journal</i> , 2008, 680, 867-884.	4.5	27
98	Faraday Rotation and Polarization Gradients in the Jet of 3C 120: Interaction with the External Medium and a Helical Magnetic Field?. <i>Astrophysical Journal</i> , 2008, 681, L69-L72.	4.5	72
99	The high activity of 3C 454.3 in autumn 2007. <i>Astronomy and Astrophysics</i> , 2008, 485, L17-L20.	5.1	52
100	On the nature of an ejection event in the jet of 3C 111. <i>Astronomy and Astrophysics</i> , 2008, 489, L29-L32.	5.1	13
101	A new activity phase of the blazar 3C 454.3. <i>Astronomy and Astrophysics</i> , 2008, 491, 755-766.	5.1	85
102	The activity of the blazar OJ 287 in 2005: XMM-Newton observations and coordinated campaign. <i>AIP Conference Proceedings</i> , 2007, , .	0.4	1
103	Search for Electron-Positron Annihilation Radiation from the Jet in 3C 120. <i>Astrophysical Journal</i> , 2007, 665, 232-236.	4.5	20
104	Superluminal non-ballistic jet swing in the quasar NRAO 150 revealed by mm-VLBI. <i>Astronomy and Astrophysics</i> , 2007, 476, L17-L20.	5.1	63
105	Jet-cloud collisions in the jet of the Seyfert galaxy NGC 3079. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 377, 731-740.	4.4	31
106	The Innermost Regions of AGN with Future mm-VLBI. , 2007, , 179-180.		0
107	Testing the inverse-Compton catastrophe scenario in the intra-day variable blazar S5 0716+71. <i>Astronomy and Astrophysics</i> , 2006, 451, 797-807.	5.1	58
108	Testing the inverse-Compton catastrophe scenario in the intra-day variable blazar S5 0716+71. <i>Astronomy and Astrophysics</i> , 2006, 456, 117-129.	5.1	35

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109	The jet in the radio galaxy 3C120: Jet/cloud interactions at parsec scales. <i>Astronomische Nachrichten</i> , 2006, 327, 223-226.	1.2	5
110	The milliarcsecond-scale jet of PKS 0735+178 during quiescence. <i>Astronomy and Astrophysics</i> , 2006, 453, 477-486.	5.1	18
111	Structure and flux variability in the VLBI jet of BL Lacertae during the WEBT campaigns (1995–2004). <i>Astronomy and Astrophysics</i> , 2006, 456, 105-115.	5.1	52
112	Discovery of a precessing jet nozzle in BL Lacertae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2003, 341, 405-422.	4.4	81
113	Three-dimensional Simulations of Relativistic Precessing Jets Probing the Structure of Superluminal Sources. <i>Astrophysical Journal</i> , 2003, 585, L109-L112.	4.5	81
114	Monthly 43 GHz VLBA Polarimetric Monitoring of 3C 120 over 16 Epochs: Evidence for Trailing Shocks in a Relativistic Jet. <i>Astrophysical Journal</i> , 2001, 561, L161-L164.	4.5	80
115	Changes in the trajectory of the radio jet in 0735+178?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2001, 328, 873-881.	4.4	14
116	Evidence for parsec-scale absorption from VSOP observations of the BL Lacertae object 0735+178. <i>Monthly Notices of the Royal Astronomical Society</i> , 2001, 328, 719-725.	4.4	13
117	Title is missing!. <i>Astrophysics and Space Science</i> , 2001, 276, 293-294.	1.4	0
118	Jet Stability and the Generation of Superluminal and Stationary Components. <i>Astrophysical Journal</i> , 2001, 549, L183-L186.	4.5	116
119	Hydrodynamical and Emission Simulations of Relativistic Jets: Stability and Generation of Superluminal and Stationary Components. , 2001, , 293-294.		0