

Carolina Casadio

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

1,693
citations

331670

21
h-index

361022

35
g-index

41
all docs

41
docs citations

41
times ranked

2761
citing authors

#	ARTICLE	IF	CITATIONS
1	Compact radio emission indicates a structured jet was produced by a binary neutron star merger. <i>Science</i> , 2019, 363, 968-971.	12.6	272
2	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
3	THE 2010 VERY HIGH ENERGY γ -RAY FLARE AND 10 YEARS OF MULTI-WAVELENGTH OBSERVATIONS OF M 87. <i>Astrophysical Journal</i> , 2012, 746, 151.	4.5	145
4	A TIGHT CONNECTION BETWEEN GAMMA-RAY OUTBURSTS AND PARSEC-SCALE JET ACTIVITY IN THE QUASAR 3C 454.3. <i>Astrophysical Journal</i> , 2013, 773, 147.	4.5	141
5	Blazar spectral variability as explained by a twisted inhomogeneous jet. <i>Nature</i> , 2017, 552, 374-377.	27.8	112
6	The awakening of BL Lacertae: observations by Fermi, Swift and the GASP-WEBT.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 436, 1530-1545.	4.4	97
7	A STRONG RADIO BRIGHTENING AT THE JET BASE OF M 87 DURING THE ELEVATED VERY HIGH ENERGY GAMMA-RAY STATE IN 2012. <i>Astrophysical Journal</i> , 2014, 788, 165.	4.5	52
8	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
9	Exceptional outburst of the blazar CTA 102 in 2012: the GASP-WEBT campaign and its extension. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 461, 3047-3056.	4.4	45
10	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
11	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
12	Multiwavelength behaviour of the blazar 3C 279: decade-long study from γ -ray to radio. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 3829-3848.	4.4	40
13	THE CONNECTION BETWEEN THE RADIO JET AND THE GAMMA-RAY EMISSION IN THE RADIO GALAXY 3C 120. <i>Astrophysical Journal</i> , 2015, 808, 162.	4.5	38
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	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
16	THE OUTBURST OF THE BLAZAR S4 0954+658 IN 2011 MARCH-APRIL. <i>Astronomical Journal</i> , 2014, 148, 42.	4.7	34
17	Dissecting the long-term emission behaviour of the BL Lac object Mrk 421. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 472, 3789-3804.	4.4	33
18	Multiwavelength behaviour of the blazar OJ 248 from radio to γ -rays.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 450, 2677-2691.	4.4	32

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19	RoboPol: a four-channel optical imaging polarimeter. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 2355-2366.	4.4	30
20	A RECOLLIMATION SHOCK 80 mas FROM THE CORE IN THE JET OF THE RADIO GALAXY 3C 120: OBSERVATIONAL EVIDENCE AND MODELING. <i>Astrophysical Journal</i> , 2012, 752, 92.	4.5	29
21	Exploring the Connection between Parsec-scale Jet Activity and Broadband Outbursts in 3C 279. <i>Astrophysical Journal</i> , 2018, 858, 80.	4.5	28
22	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
23	The connection between the parsec-scale radio jet and γ -ray flares in the blazar 1156+295. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 445, 1636-1646.	4.4	18
24	Investigating the multiwavelength behaviour of the flat spectrum radio quasar CTA 102 during 2013–2017. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 5300-5316.	4.4	16
25	Radio-faint BL Lac objects and their impact on the radio/gamma-ray connection. <i>Advances in Space Research</i> , 2012, 49, 1320-1326.	2.6	12
26	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
27	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
28	The beamed jet and quasar core of the distant blazar 4C 71.07. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 1837-1849.	4.4	7
29	Global alignments of parsec-scale AGN radio jets and their polarization planes. <i>Astronomy and Astrophysics</i> , 2020, 635, A102.	5.1	7
30	The time-dependent distribution of optical polarization angle changes in blazars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 225-243.	4.4	7
31	The Gamma-ray Activity of the high-z Quasar 0836+71. <i>EPJ Web of Conferences</i> , 2013, 61, 04003.	0.3	6
32	The Connection between the Radio Jet and the γ -ray Emission in the Radio Galaxy 3C 120 and the Blazar CTA 102. <i>Galaxies</i> , 2016, 4, 34.	3.0	3
33	Correlation Analysis of Delays between Variations of Gamma-Ray and Optical Light Curves of Blazars. <i>Galaxies</i> , 2016, 4, 64.	3.0	3
34	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
35	A sensitive study of the peculiar jet structure HST-1 in M87. <i>EPJ Web of Conferences</i> , 2013, 61, 06004.	0.3	1
36	THE UNUSUAL EMISSION STRUCTURE 140 PC FROM THE CORE IN THE JET OF THE RADIO GALAXY 3C 120. <i>International Journal of Modern Physics Conference Series</i> , 2012, 08, 315-318.	0.7	0

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37	HELICAL MAGNETIC FIELDS IN RELATIVISTIC JETS THROUGH FARADAY ROTATION AND JET STRATIFICATION STUDIES. International Journal of Modern Physics Conference Series, 2012, 08, 265-270. Erratum to "POLAMI: Polarimetric Monitoring of AGN at Millimetre Wavelengths" I. The programme, calibration, and calibrator data products"™, "POLAMI: Polarimetric Monitoring of Active Galactic Nuclei at Millimetre Wavelengths"™ and "POLAMI: Polarimetric Monitoring of Active Galactic Nuclei at Millimetre Wavelengths"™ II. Widespread circular polarization"™ and "POLAMI: Polarimetric Monitoring of Active Galactic Nuclei at Millimetre Wavelengths"™ III. Characterization of total flux density and polarization variability of relativistic jets"™.. Monthly Notices of the Royal Astronomical Society, 2018, 475, 5108-5108.	0.7	0
38	e-EVN monitoring of M87. , 2011, , .	4.4	0
39	Connection between parsec-scale radio jet and gamma-ray flares in the blazar 1156+295. , 2015, , .		0
40	Continuing EVN monitoring of HST-1 in the jet of M87. , 2015, , .		0
41			0