# Margo Aller

List of Publications by Year
in descending order

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Version: 2024-02-01

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|---|---|---|---|
| 89 papers | 6,497 citations | 109321 35 h-index | 62596 80 g-index |
| 90 all docs | 90 docs citations | 90 times ranked | 2853 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | THE SPECTRAL ENERGY DISTRIBUTION OFFERMIBRIGHT BLAZARS. Astrophysical Journal, 2010, 716, 30-70. | 4.5 | 741 |
| 2 | The inner jet of an active galactic nucleus as revealed by a radio-to-Î³-ray outburst. Nature, 2008, 452, 966-969. | 27.8 | 553 |
| 3 | PROBING THE INNER JET OF THE QUASAR PKS 1510â€“089 WITH MULTI-WAVEBAND MONITORING DURING STRONG GAMMA-RAY ACTIVITY. Astrophysical Journal Letters, 2010, 710, L126-L131. | 8.3 | 353 |
| 4 | MOJAVE. X. PARSEC-SCALE JET ORIENTATION VARIATIONS AND SUPERLUMINAL MOTION IN ACTIVE GALACTIC NUCLEI. Astronomical Journal, 2013, 146, 120. | 4.7 | 327 |
| 5 | 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 |
| 6 | Sub-Milliarcsecond Imaging of Quasars and Active Galactic Nuclei. IV. Fine-Scale Structure. Astronomical Journal, 2005, 130, 2473-2505. | 4.7 | 285 |
| 7 | Spectra and linear polarizations of extragalactic variable sources at centimeter wavelengths. Astrophysical Journal, Supplement Series, 1985, 59, 513. | 7.7 | 257 |
| 8 | MOJAVE. XIII. PARSEC-SCALE AGN JET KINEMATICS ANALYSIS BASED ON 19 YEARS OF VLBA OBSERVATIONS AT 15 GHz. Astronomical Journal, 2016, 152, 12. | 4.7 | 203 |
| 9 | MOJAVE. XV. VLBA 15 GHz Total Intensity and Polarization Maps of 437 Parsec-scale AGN Jets from 1996 to 2017. Astrophysical Journal, Supplement Series, 2018, 234, 12. | 7.7 | 187 |
| 10 | Polarized Radio Outbursts in Bl-Lacertae - Part Two - the Flux and Polarization of a Piston-Driven Shock. Astrophysical Journal, 1985, 298, 301. | 4.5 | 182 |
| 11 | THE RELATION BETWEEN AGN GAMMA-RAY EMISSION AND PARSEC-SCALE RADIO JETS. Astrophysical Journal, 2009, 696, L17-L21. | 4.5 | 176 |
| 12 | MOJAVE: MONITORING OF JETS IN ACTIVE GALACTIC NUCLEI WITH VLBA EXPERIMENTS. VIII. FARADAY ROTATION IN PARSEC-SCALE AGN JETS. Astronomical Journal, 2012, 144, 105. | 4.7 | 174 |
| 13 | SimultaneousPlanck,Swift, andFermiobservations of X-ray andÎ³-ray selected blazars. Astronomy and Astrophysics, 2012, 541, A160. | 5.1 | 166 |
| 14 | Multiepoch Very Long Baseline Array Observations of EGRETâ€detected Quasars and BL Lacertae Objects: Connection between Superluminal Ejections and Gammaâ€Ray Flares in Blazars. Astrophysical Journal, 2001, 556, 738-748. | 4.5 | 159 |
| 15 | THE STRUCTURE AND EMISSION MODEL OF THE RELATIVISTIC JET IN THE QUASAR 3C 279 INFERRED FROM RADIO TO HIGH-ENERGY Î³-RAY OBSERVATIONS IN 2008-2010. Astrophysical Journal, 2012, 754, 114. | 4.5 | 152 |
| 16 | Correlated Multiâ€“Wave Band Variability in the Blazar 3C 279 from 1996 to 2007. Astrophysical Journal, 2008, 689, 79-94. | 4.5 | 149 |
| 17 | MOJAVE: MONITORING OF JETS IN ACTIVE GALACTIC NUCLEI WITH VLBA EXPERIMENTS. XI. SPECTRAL DISTRIBUTIONS. Astronomical Journal, 2014, 147, 143. | 4.7 | 115 |
| 18 | Results of WEBT, VLBA and RXTE monitoring of 3C 279 during 2006â€“2007. Astronomy and Astrophysics, 2008, 492, 389-400. | 5.1 | 107 |

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|---|---|---|---|
| 19 | FERMILARGE AREA TELESCOPE AND MULTI-WAVELENGTH OBSERVATIONS OF THE FLARING ACTIVITY OF PKS 1510-089 BETWEEN 2008 SEPTEMBER AND 2009 JUNE. Astrophysical Journal, 2010, 721, 1425-1447. | 4.5 | 99 |
| 20 | Pearson-Readhead survey sources - Properties of the centimeter-wavelength flux and polarization of a complete radio sample. Astrophysical Journal, 1992, 399, 16. | 4.5 | 94 |
| 21 | Unprecedented study of the broadband emission of Mrk 421 during flaring activity in March 2010. Astronomy and Astrophysics, 2015, 578, A22. | 5.1 | 92 |
| 22 | Centimeterâ€Wavelength Total Flux and Linear Polarization Properties of Radioâ€loud BL Lacertae Objects. Astrophysical Journal, 1999, 512, 601-622. | 4.5 | 89 |
| 23 | Pearsonâ€Readhead Survey Sources. II. The Longâ€Term Centimeterâ€Band Total Flux and Linear Polarization Properties of a Complete Radio Sample. Astrophysical Journal, 2003, 586, 33-51. | 4.5 | 86 |
| 24 | Statistical analyses of long-term variability of AGN at high radio frequencies. Astronomy and Astrophysics, 2007, 469, 899-912. | 5.1 | 79 |
| 25 | MAGIC gamma-ray and multi-frequency observations of flat spectrum radio quasar PKS 1510â˜'089 in early 2012. Astronomy and Astrophysics, 2014, 569, A46. | 5.1 | 70 |
| 26 | Parsecâ€Scale Blazar Monitoring: Flux and Polarization Variability. Astrophysical Journal, 2002, 568, 99-119. | 4.5 | 69 |
| 27 | Magnetic field structures in active compact radio sources. Astrophysical Journal, 1985, 290, 627. | 4.5 | 68 |
| 28 | FULL POLARIZATION SPECTRA OF 3C 279. Astrophysical Journal, 2009, 696, 328-347. | 4.5 | 63 |
| 29 | AGILE detection of extremeÎ³-ray activity from the blazar PKS 1510-089 during March 2009. Astronomy and Astrophysics, 2011, 529, A145. | 5.1 | 62 |
| 30 | Multifrequency observations of the red QSO 1413 + 135. Nature, 1981, 293, 714-717. | 27.8 | 59 |
| 31 | Stochastic Modeling of Multiwavelength Variability of the Classical BL Lac Object OJ 287 on Timescales Ranging from Decades to Hours. Astrophysical Journal, 2018, 863, 175. | 4.5 | 56 |
| 32 | WHY HAVE MANY OF THE BRIGHTEST RADIO-LOUD BLAZARS NOT BEEN DETECTED IN GAMMA-RAYS BY FERMI ?. Astrophysical Journal Letters, 2015, 810, L9. | 8.3 | 44 |
| 33 | A Dramatic Millimeter Wavelength Flare in the Gammaâ€Ray Blazar NRAO 530. Astrophysical Journal, 1997, 484, 118-130. | 4.5 | 41 |
| 34 | A new method for estimating frequency-dependent core shifts in active galactic nucleus jets. Monthly Notices of the Royal Astronomical Society, 2011, 415, 1631-1637. | 4.4 | 40 |
| 35 | Multiwavelength behaviour of the blazar 3CÂ279: decade-long study from Î³-ray to radio. Monthly Notices of the Royal Astronomical Society, 2020, 492, 3829-3848. | 4.4 | 40 |
| 36 | High radio-frequency properties and variability of brightest cluster galaxies. Monthly Notices of the Royal Astronomical Society, 2015, 453, 1223-1240. | 4.4 | 35 |

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| 37 | OBLIQUE SHOCKS AS THE ORIGIN OF RADIO TO GAMMA-RAY VARIABILITY IN ACTIVE GALACTIC NUCLEI. Astrophysical Journal, 2011, 735, 81. | 4.5 | 33 |
| 38 | Doppler boosting, superluminal motion, and the kinematics of AGN jets. Astrophysics and Space Science, 2007, 311, 231-239. | 1.4 | 30 |
| 39 | A peculiar multiwavelength flare in the blazar 3Câ€‰454.3. Monthly Notices of the Royal Astronomical Society, 2017, 472, 788-798. | 4.4 | 29 |
| 40 | The Trails of Superluminal Jet Components in 3C 111. Astrophysical Journal, 2008, 680, 867-884. | 4.5 | 27 |
| 41 | MOJAVE XVI: Multiepoch Linear Polarization Properties of Parsec-scale AGN Jet Cores. Astrophysical Journal, 2018, 862, 151. | 4.5 | 27 |
| 42 | VLBA observations of a rare multiple quasar imaging event caused by refraction in the interstellar medium. Astronomy and Astrophysics, 2013, 555, A80. | 5.1 | 25 |
| 43 | Reversals in the Direction of Polarization Rotation in OJ 287. Astrophysical Journal, 2018, 862, 1. | 4.5 | 25 |
| 44 | Radio polarization rotators - BL Lacertae and 0727-115. Astrophysical Journal, 1981, 248, L5. | 4.5 | 25 |
| 45 | CONSTRAINING THE PHYSICAL CONDITIONS IN THE JETS OF Î³-RAY FLARING BLAZARS USING CENTIMETER-BAND POLARIMETRY AND RADIATIVE TRANSFER SIMULATIONS. I. DATA AND MODELS FOR 0420â€“014, OJ 287, AND 1156+295. Astrophysical Journal, 2014, 791, 53. | 4.5 | 24 |
| 46 | Planckintermediate results. Astronomy and Astrophysics, 2016, 596, A106. | 5.1 | 23 |
| 47 | The extreme blazar AO 0235+164 as seen by extensive ground and space radio observations. Monthly Notices of the Royal Astronomical Society, 2018, 475, 4994-5009. | 4.4 | 23 |
| 48 | Multi-Waveband Emission Maps of Blazars. Journal of Astrophysics and Astronomy, 2011, 32, 233-237. | 1.0 | 22 |
| 49 | The Great Markarian 421 Flare of 2010 February: Multiwavelength Variability and Correlation Studies. Astrophysical Journal, 2020, 890, 97. | 4.5 | 21 |
| 50 | Results of long-term monitoring of 3C 273 over a wide range of wavelengths. Astronomy Reports, 2013, 57, 34-45. | 0.9 | 20 |
| 51 | Swift Observations of Mrk 421 in Selected Epochs. I. The Spectral and Flux Variability in 2005â€“2008. Astrophysical Journal, 2018, 854, 66. | 4.5 | 20 |
| 52 | The Unanticipated Phenomenology of the Blazar PKS 2131â€“021: A Unique Supermassive Black Hole Binary Candidate. Astrophysical Journal Letters, 2022, 926, L35. | 8.3 | 20 |
| 53 | The variability of a 3C 454.3 blazar over a 40-year period. Astronomy Reports, 2007, 51, 450-459. | 0.9 | 19 |
| 54 | Linear Polarization Properties of Parsec-Scale AGN Jets. Galaxies, 2017, 5, 93. | 3.0 | 19 |

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| 55 | Full-Stokes polarimetry with circularly polarized feeds. Astronomy and Astrophysics, 2018, 609, A68. | 5.1 | 19 |
| 56 | Swift Observations of Mrk 421 in Selected Epochs. II. An Extreme Spectral Flux Variability in 2009â€“2012. Astrophysical Journal, 2018, 858, 68. | 4.5 | 19 |
| 57 | Quasi-periodic oscillations in the long-term radio light curves of the blazar AO 0235+164. Monthly Notices of the Royal Astronomical Society, 2021, 501, 5997-6006. | 4.4 | 19 |
| 58 | Circular Polarization Variability in Extragalactic Sources on Time Scales of Months to Decades. Astrophysics and Space Science, 2003, 288, 17-28. | 1.4 | 18 |
| 59 | Swift Observations of Mrk 421 in Selected Epochs. III. Extreme X-Ray Timing/Spectral Properties and Multiwavelength Lognormality during 2015 Decemberâ€“2018 April. Astrophysical Journal, Supplement Series, 2020, 247, 27. | 7.7 | 18 |
| 60 | Core shift effect in blazars. Monthly Notices of the Royal Astronomical Society, 2017, 469, 813-840. | 4.4 | 17 |
| 61 | A ring accelerator? Unusual jet dynamics in the IceCube candidate PKS 1502+106. Monthly Notices of the Royal Astronomical Society, 2021, 503, 3145-3178. | 4.4 | 16 |
| 62 | Sub-parsec structure of binary supermassive black holes in active galactic nuclei. Astronomy Reports, 2010, 54, 28-37. | 0.9 | 15 |
| 63 | Strong X-Ray and Multiwavelength Flaring Activity for 1ES 1959+650, 2016 Augustâ€“2017 November. Astrophysical Journal, Supplement Series, 2018, 238, 13. | 7.7 | 14 |
| 64 | Multiwavelength Variability Power Spectrum Analysis of the Blazars 3C 279 and PKS 1510â€“089 on Multiple Timescales. Astrophysical Journal, 2022, 927, 214. | 4.5 | 14 |
| 65 | The Relativistic Jet Orientation and Host Galaxy of the Peculiar Blazar PKS 1413+135. Astrophysical Journal, 2021, 907, 61. | 4.5 | 13 |
| 66 | 3C 84: Observational Evidence for Precession and a Possible Relation to TeV Emission. Galaxies, 2019, 7, 72. | 3.0 | 12 |
| 67 | The University of Michigan Centimeter-Band All Stokes Blazar Monitoring Program: Single-Dish Polarimetry as a Probe of Parsec-Scale Magnetic Fields. Galaxies, 2017, 5, 75. | 3.0 | 11 |
| 68 | Physical characteristics of the Blazar AO 0235+164. Astronomy Reports, 2015, 59, 145-155. | 0.9 | 9 |
| 69 | III Zw 2: Evolution of a Radio Galaxy in a Nutshell. Publications of the Astronomical Society of Australia, 2003, 20, 126-128. | 3.4 | 8 |
| 70 | Long-term optical and radio monitoring of the quasars S5 0716+714 and 4C 38.41 on various time scales. Astronomy Reports, 2012, 56, 275-280. | 0.9 | 8 |
| 71 | Long-term, multi-frequency monitoring of the blazar S0528+134 (Nimfa). Astronomy Reports, 2014, 58, 71-77. | 0.9 | 8 |
| 72 | Long-term monitoring of the blazars AO 0235+164 and S5 0716+714 in the optical and radio ranges. Astronomy Reports, 2015, 59, 851-864. | 0.9 | 8 |

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|---|---|---|---|
| 73 | A prolonged flare in the blazar 3C 454.3. Astronomy Reports, 2013, 57, 46-51. | 0.9 | 7 |
| 74 | Opacity, variability, and kinematics of AGN jets. Monthly Notices of the Royal Astronomical Society, 2019, 486, 430-439. | 4.4 | 7 |
| 75 | CONSTRAINING THE PHYSICAL CONDITIONS IN THE JETS OF Î³-RAY FLARING BLAZARS USING CENTIMETER-BAND POLARIMETRY AND RADIATIVE TRANSFER SIMULATIONS. II. EXPLORING PARAMETER SPACE AND IMPLICATIONS. Astrophysical Journal, 2015, 799, 207. | 4.5 | 6 |
| 76 | Flux density evolution of the sources 3C273, 3C279 and 3C454.3 at the frequencies 102 MHzâ€“36.8 GHz. Astronomical and Astrophysical Transactions, 2006, 25, 385-391. | 0.2 | 5 |
| 77 | Radio to Î³-ray observations of 3C 454.3:1993â€“1995. , 1997, , . | | 4 |
| 78 | Radiative Transfer Modeling of Radio-Band Linear Polarization Observations as a Probe of the Physical Conditions in the Jets of Î³-Ray Flaring Blazars. Galaxies, 2016, 4, 35. | 3.0 | 4 |
| 79 | IDV observations & study of the quasar 0917+624. Astrophysics and Space Science, 2013, 346, 15-17. | 1.4 | 3 |
| 80 | Non-stationary emission of the blazar S4 0954+658 over a wide range of wavelength. Astronomy Reports, 2016, 60, 1035-1045. | 0.9 | 3 |
| 81 | Identifying changing jets through their radio variability. Astronomy and Astrophysics, 2021, 654, A169. | 5.1 | 3 |
| 82 | New Tests of Milli-lensing in the Blazar PKS 1413 + 135. Astrophysical Journal, 2022, 927, 24. | 4.5 | 3 |
| 83 | The Radio Polarization of BL Lacertae: Shocks in a Jet. Symposium - International Astronomical Union, 1984, 110, 119-120. | 0.1 | 2 |
| 84 | The Difference between BL Lacs and QSOs. , 1994, , 94-95. | | 1 |
| 85 | The blazar 0059+581: Successful prognosis of activity. Astronomy Reports, 2006, 50, 468-482. | 0.9 | 1 |
| 86 | Diagnosing Magnetic Field Geometry in Blazar Jets Using Multi-Frequency, Centimeter-Band Polarimetry and Radiative Transfer Modeling. Galaxies, 2020, 8, 22. | 3.0 | 1 |
| 87 | Active Extragalactic Radio Sources Which Show Signatures of Shocks in Compact Jet Structures. Symposium - International Astronomical Union, 1988, 129, 83-84. | 0.1 | 0 |
| 88 | Shock Models of Time Variability and Superluminal Motion in Compact Extragalactic Radio Sources. Symposium - International Astronomical Union, 1988, 129, 81-82. | 0.1 | 0 |
| 89 | Ground-Based Observations of PKS2155-304 in November 1991. Symposium - International Astronomical Union, 1994, 159, 319-319. | 0.1 | 0 |