

EVN Publications 2022

- Ma, Maoli et al.: Detecting the Oscillation and Propagation of the Nascent Dynamic Solar Wind Structure at 2.6 Solar Radii Using Very Long Baseline Interferometry Radio Telescopes (2022) *The Astrophysical Journal* 940, L32
- Njeri, Ann et al.: SPARCS-North Wide-field VLBI Survey: Exploring the resolved MicroJy extra-galactic radio source population with EVN+e-MERLIN (2022) arXiv e-prints , arXiv:2212.01874 (EN004)
- van Bemmell, Ilse M. et al.: CASA on the Fringe-Development of VLBI Processing Capabilities for CASA (2022) *Publications of the Astronomical Society of the Pacific* 134, 114502 (N14C3)
- Pasham, Dheeraj R. et al.: The Birth of a Relativistic Jet Following the Disruption of a Star by a Cosmological Black Hole (2022) *Nature Astronomy* , -1 (RM017A)
- Munari, U. et al.: Radio interferometric imaging of RS Oph bipolar ejecta for the 2021 nova outburst (2022) *Astronomy and Astrophysics* 666, L6 (RG012E)
- Powell, Devon M. et al.: A lensed radio jet at milliarcsecond resolution I: Bayesian comparison of parametric lens models (2022) *Monthly Notices of the Royal Astronomical Society* 516, 1808 (GM070)
- Koryukova, T. A. et al.: Tracing Milky Way scattering by compact extragalactic radio sources (2022) *Monthly Notices of the Royal Astronomical Society* 515, 1736
- Marecki, A.; Sebastian, B.; Ishwara-Chandra, C. H.: The structure at the centre of the giant radio galaxy GRS J0844+4627: a compact symmetric object? (2022) *Monthly Notices of the Royal Astronomical Society*
- Moscadelli, Luca et al.: Snapshot of a magnetohydrodynamic disk wind traced by water maser observations (2022) *Nature Astronomy* 6, 1068 (GM077)
- Ricci, L. et al.: Exploring the disk-jet connection in NGC 315 (2022) *Astronomy and Astrophysics* 664, A166 (ES049B)
- Yang, Jun et al.: Is there a sub-parsec-scale jet base in the nearby dwarf galaxy NGC 4395? (2022) *Monthly Notices of the Royal Astronomical Society* 514, 6215 (EY039)
- Giarratana, S. et al.: VLBI observations of GRB 201015A, a relatively faint GRB with a hint of very high-energy gamma-ray emission (2022) *Astronomy and Astrophysics* 664, A36 (RM016)
- Yang, Xiaolong et al.: The X-shaped Radio Galaxy J0725+5835 is Associated with an AGN Pair (2022) *The Astrophysical Journal* 933, 98 (RSY07)
- Durjasz, M. et al.: Discovery of recurrent flares of 6.7 GHz methanol maser emission in Cepheus A HW2 (2022) *Astronomy and Astrophysics* 663, A123 (ED048B, RD002)
- Durjasz, Michal; Szymczak, Marian: New 6.7 GHz imaging of the high-mass star-forming region Cep A HW2 (2022) 15th EVN Mini-Symposium and User's Meeting , 1 (ED048B, RD002)
- Nanci, C. et al.: Observing the inner parsec-scale region of candidate neutrino-emitting blazars (2022) *Astronomy and Astrophysics* 663, A129 (EG108, RG011)
- Breiding, Peter et al.: Deep Very Long Baseline Interferometry Observations Challenge Previous Evidence of a Binary Supermassive Black Hole Residing in Seyfert Galaxy NGC 7674 (2022) *The Astrophysical Journal* 933, 143 (EA059)
- An, Tao et al.: VLBI imaging of the pre-coalescence SMBHB candidate SDSS J143016.05+230344.4 (2022) *Astronomy and Astrophysics* 663, A139 (RS005)

- Durjasz, M. et al.: Discovery of recurrent flares of 6.7 GHz methanol maser emission in Cepheus A HW2 (2022) *Astronomy and Astrophysics* 663, A123 (ED002, ED048B, ES071A, ES071B, ES071C)
- Nimmo, K. et al.: A burst storm from the repeating FRB 20200120E in an M81 globular cluster (2022) *arXiv e-prints* , arXiv:2206.03759
- Salafia, Om Sharan et al.: Multiwavelength View of the Close-by GRB 190829A Sheds Light on Gamma-Ray Burst Physics (2022) *The Astrophysical Journal* 931, L19 (RG010A, RG010B, RG010C)
- Wu, Hong et al.: Radio properties of the OH megamaser galaxy IIZw 096 (2022) *Astronomy and Astrophysics* 661, A125 (EK020, ES064B)
- Yang, Xiaolong et al.: EVN observation reveals a radio flare in the changing-look AGN 1ES 1927+654 (2022) *The Astronomer's Telegram* 15382, 1 (RY009)
- Laha, Sibasish et al.: A Radio, Optical, UV, and X-Ray View of the Enigmatic Changing-look Active Galactic Nucleus 1ES 1927+654 from Its Pre- to Postflare States (2022) *The Astrophysical Journal* 931, 5 (EG079)
- Climent, J. B. et al.: Radio emission in a nearby, ultra-cool dwarf binary: A multifrequency study (2022) *Astronomy and Astrophysics* 660, A65 (EG104A, EG104B)
- Giarratana, S. et al.: Multi-scale VLBI observations of the candidate host galaxy of GRB 200716C (2022) *arXiv e-prints* , arXiv:2204.10580 (EG118A)
- Plavin, A. et al.: FRB 121102: Drastic changes in the burst polarization contrasts with the stability of the persistent emission (2022) *Monthly Notices of the Royal Astronomical Society* 511, 6033 (EP103, RP026)
- Yang, Jun et al.: Structural and spectral properties of Galactic plane variable radio sources (2022) *Monthly Notices of the Royal Astronomical Society* 511, 280 (EY014, EY017A, EY017B)
- Zhang, M. et al.: Role of the companion lensing galaxy in the CLASS gravitational lens B1152+199 (2022) *Monthly Notices of the Royal Astronomical Society* 511, 1085 (GA036, GJ010)
- Mohan, Prashanth et al.: High-resolution VLBI Observations of and Modeling the Radio Emission from the Tidal Disruption Event AT2019dsg (2022) *The Astrophysical Journal* 927, 74 (EM140, RSM04)
- Nimmo, K. et al.: Milliarcsecond Localization of the Repeating FRB 20201124A (2022) *The Astrophysical Journal* 927, L3 (EK048)
- Njeri, Ann: VLBI Observation of the Faint (microJansky) Extragalactic Radio Sources - The Widefield VLBA & EVN GOODS-N and SPARCS-N 1.4 GHz Surveys (2022) *Annual Conference and General Assembly of the African Astronomical Society*, 43 (EN004)
- Nimmo, K. et al.: Burst timescales and luminosities as links between young pulsars and fast radio bursts (2022) *Nature Astronomy* 6, 393 (EK048)
- Baczko, A. -K. et al.: Ambilateral collimation study of the twin-jets in NGC 1052 (2022) *Astronomy and Astrophysics* 658, A119
- Zhang, M. et al.: Role of the companion lensing galaxy in the CLASS gravitational lens B1152+199 (2022) *arXiv e-prints* , arXiv:2202.06926 (GA036, GJ010)
- Murthy, Suma Narayana: A multifaceted view of the interplay between gas and radio AGN (2022) *Ph.D. Thesis* , -1 (ES070)
- Kirsten, F. et al.: A repeating fast radio burst source in a globular cluster (2022) *Nature* 602, 585 (EK048B, EK048C, EK048F)

- Surcis, G. et al.: EVN observations of 6.7 GHz methanol maser polarization in massive star-forming regions. V. Completion of the flux-limited sample (2022) *Astronomy and Astrophysics* 658, A78 (ES072)
- Climent, Juan B. et al.: Radio emission in a nearby ultracool dwarf binary: a multi-frequency study (2022) *arXiv e-prints*, arXiv:2201.12606 (EG104A, EG104B)
- Gómez, José L. et al.: Probing the Innermost Regions of AGN Jets and Their Magnetic Fields with RadioAstron. V. Space and Ground Millimeter-VLBI Imaging of OJ 287 (2022) *The Astrophysical Journal* 924, 122 (GA030E)
- Frey, S.; Tar, I.; Perger, K.: Three in One: The VLBI Radio View of the X-ray Quasar RX J1456.0+5048 (2022) *European VLBI Network Mini-Symposium and Users' Meeting 2021* 2021, 6 (EW017)
- Gabanyi, K. et al.: Searching for the origin of double-peaked broad emission lines in a merging galaxy with the EVN (2022) *European VLBI Network Mini-Symposium and Users' Meeting 2021* 2021, 7 (EG112)
- Krezinger, M. et al.: Dual-frequency EVN Observations of a Large Sample of Distant Radio Quasars (2022) *European VLBI Network Mini-Symposium and Users' Meeting 2021* 2021, 8 (EG102)
- Szabo, Z. et al.: Episodic ejection from a low-mass young stellar object traced by H₂O masers (2022) *European VLBI Network Mini-Symposium and Users' Meeting 2021* 2021, 21 (EB084)
- Marcote, B. et al.: PRECISE localizations of repeating Fast Radio Bursts (2022) *European VLBI Network Mini-Symposium and Users' Meeting 2021* 2021, 35 (EK048, EK050, EK051)
- Vaddi, S.: High sensitivity EVN+Arecibo observations of nearby dual AGN Mrk 463 (2022) *European VLBI Network Mini-Symposium and Users' Meeting 2021* 2021, 39 (EV022, EV023)