

CORRADO TRIGILIO

Curriculum Vitae et Studiorum
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Personal details

Date of birth: 15 December 1960, Catania

Citizenship: Italian

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Education

1985-1988 Ph.D in Astronomy, University of Catania.

Dissertation: *Evoluzione dell'Attività e della Rotazione nelle Stelle di Piccola Massa* (Evolution of Rotation and Activity in low mass stars).

1985 Laurea (M.S.) in Physics at University of Catania, Dept. of Physics
Votation: 110/110 cum laude

Work Experience

2005-present Senior researcher at INAF-Osservatorio Astrofisico di Catania.
Professor of Radioastronomy, Physics course, University of Catania, Dept. of Physics and Astronomy.

2001-2005 Senior researcher at Istituto di Radioastronomia C.N.R. (IRA), Noto, (INAF from Jan 2005)

1996-2000 Researcher (tenure) at Istituto di Radioastronomia C.N.R. (IRA), Noto.

1993-1996 Researcher (on long-term contracts, ex art.36) at Istituto di Radioastronomia C.N.R. (IRA), Noto.

1988-1993 Researcher (on long-term contracts, ex art.36) at Istituto di Radioastronomia C.N.R. (IRA), Noto.

Other Working Experiences

- 2014 Visiting scientist at CSIRO Astronomy and Space Science (CASS), Sydney, Australia (grant CASS Distinguished Visitor program)
- 2012 Visiting scientist at CSIRO Astronomy and Space Science (CASS), Sydney, Australia
- 2011 Visiting scientist at Australian Telescope National Facility (ATNF-CSIRO) Australia
- 2011 Visiting scientist at National Radio Astronomy Observatory (NRAO), Green Bank, WV, USA
- 2011 Visiting scientist at the Atacama Large Millimeter Array (ALMA), ESO, Chile
- 2010 Visiting scientist at Spitzer Space Center, Pasadena, USA
- 2006 Visiting scientist at Australian Telescope National Facility (ATNF-CSIRO) Australia
- 2004 Visiting scientist at National Radio Astronomy Observatory (NRAO), Socorro, NM, USA
- 2002 Visiting scientist at Australian Telescope National Facility (ATNF-CSIRO) Australia (joint program CNR-CSIRO)
- 2000 Visiting scientist at Australian Telescope National Facility (ATNF-CSIRO) Australia
- 1997 Visiting scientist at Nuffield Radio Astronomy Laboratory, Jodrell Bank, UK
- 1992 Visiting scientist at Nuffield Radio Astronomy Laboratory, Jodrell Bank, UK (British Council fellowship)

International Duties

SKA DISH LMC: Coordinator and Leader of the working group Local Monitor and Control of the dishes of the **Square Kilometre Array** (SKA) in the pre-construction phase of SKA; Member of the System Engineering (SE) group of the SKA Dish Consortium (SKADC).

ALMA test (2011) Member of the scientific staff of European Southern Observatory (ESO) for the pre-acceptance tests of the European Dishes of ALMA (AEM consortium)

Friend of VLBI (1988-2004) of the Noto Radiotelescope, operation manager, head of pre-observational tests and calibrations.

Member (1988-2004) of the Technical and Operational Group (TOG) of the European VLBI Network (EVN).

Member (1988-2004) of the International VLBI Service for Geodesy and Astrometry (IVS).

Scheduler of the Noto radiotelescope from 1988 to 2008.

Member of the Planck Low Frequencies Instruments consortium.

Referee for several international scientific journals, including Science, MNRAS, A&A.

National Duties

Commissioning of the Noto Radiotelescope (1988) and all its receivers; Commissioning of the Active surface system of the Noto RT.

Software: developer of programs for Single Dish data acquisition and reduction.

Coordinator of *Workpackage 4* Executive Project of the Cluster Radioastronomia-1, (2000-2001) *Potenziamento del Radiotelescopio di Noto-Estensione della sua capacità osservativa alle radioonde millimetriche*, of MURST (Refurbishment of the Noto Radiotelescope-Upgrade for millimeter wavelengths observations) of the Italian Department for Education and Skills (MURST).

Observational Activity

- PI o Co-PI of 50 approved proposal at radio interferometers : VLBI (Eu, USA), VLA (USA), ATCA (AU), MERLIN (GB), IRAM (F).
- PI o Co-PI of 22 approved proposal at radiotelescopes for Single Dish observations: 32m RT of Noto e Medicina (Italy), 100m Effelsberg (Germany), 100m GBT (USA).
- Optical telescopes: Calar Alto (Spain), Asiago, SLN (Italy), La Silla (ESO), VLT (ESO).
- Satellites: Beppo-SAX, Fermi at X-ray band, Spitzer (NASA), Herschel (ESA) at IR band; Planck in the bands from radio to sub-millimetric.

Teaching Activity

2004-2005 Lessons on Radioastronomy for the XVIII Ph.D. course in Physics at Catania University, AA 2004-2005.

2007-2009 Teacher of the Scuola Superiore di Catania (SSC)

2005-present Teacher of Radioastronomy, Physics course, Catania University.

Lauree : Supervisor of 12 thesis of the Physics course of Catania University and Scuola Superiore di Catania from 1992 al 2014 Marco Tumino (AA 1992-1993), Luciano Cerrigone (AA 2001-2002), Vincenzo Spampinato (AA 2002-2003), Claudia Siringo (AA 2003-2004), Sergio Dolei (AA 2005-2006), Alessandro Di Mare, SSC, primo livello (AA 2006-2007), Alessandro Di Mare, diploma di licenza SSC (AA 2006-2007) Alan Cosimo Ruggeri (AA 2008-2009) Claudia Agliozzo (AA 2008-2009) Adriano Ingallinera (AA 2008-2009) Laura Muzzetta (AA 2011-2012) Francesco Cavallaro (AA 2012-2013)).

Supervision : Supervisor of postdocs of CNR and Scuola Superiore di Catania. (Dr. D. Sanfilippo, borsista at CNR-IRA, of Dr. Patrizia Manzitto, assegnista di ricerca at CNR-IRA, Tutor of Alessandro Di Mare, Scuola Superiore di Catania)

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Ph.D. students : Tutor and supervisor of 9 Ph.D. thesis of Ph.D. course in Physics at Catania and Messina University, (Dr. Paolo Leto, Messina University, XI Ciclo Dr. Simona Toscano, Catania University, ciclo XIX, Dr. Luciano Cerrigone, Catania University, ciclo XIX, Dr. Patrizia Manzitto, Catania University, ciclo XX, Dr. Claudia Siringo, Catania University, ciclo XXI, Dr. Sergio Dolei, Catania University, ciclo XXV, Dr. Claudia Agliozzo, Catania University, ciclo XXV, Dr. Adriano Ingallinera, Catania University, ciclo XXV, Dr. Francesco Cavallaro, Catania University, ciclo XXIX.)

Publications (refereed)

1. Agliozzo, C., Noriega-Crespo, A., Umana, G., Flagey, N., Buemi, C., Ingallinera, A., **Trigilio, C.**, Leto, P. 2014. The candidate luminous blue variable G79.29+0.46: a comprehensive study of its ejecta through a multiwavelength analysis. *Monthly Notices of the Royal Astronomical Society* 440, 1391-1409.
2. Ingallinera, A., **Trigilio, C.**, Umana, G., Leto, P., Noriega-Crespo, A., Flagey, N., Paladini, R., Agliozzo, C., Buemi, C. S. 2014. A radio characterization of Galactic compact bubbles. *Monthly Notices of the Royal Astronomical Society* 437, 3626-3638.
3. Cerrigone, L., Umana, G., Buemi, C. S., Hora, J. L., **Trigilio, C.**, Leto, P., Hart, A. 2014. Spitzer observations of a circumstellar nebula around the candidate luminous blue variable MWC 930. *Astronomy and Astrophysics* 562, A93.
4. Umana, G., Ingallinera, A., **Trigilio, C.**, Buemi, C. S., Leto, P., Agliozzo, C., Noriega-Crespo, A., Flagey, N., Paladini, R., Molinari, S. 2012. Identifying Type IIIn supernova progenitors in our Galaxy: the circumstellar environment of the Galactic luminous blue variable candidate Gal 026.47+0.02. *Monthly Notices of the Royal Astronomical Society* 427, 2975-2984.
5. Agliozzo, C., Umana, G., **Trigilio, C.**, Buemi, C., Leto, P., Ingallinera, A., Franzen, T., Noriega-Crespo, A. 2012. Radio detection of nebulae around four luminous blue variable stars in the Large Magellanic Cloud. *Monthly Notices of the Royal Astronomical Society* 426, 181-186.
6. Raiteri, C. M., and 76 colleagues **Trigilio, C.** 2012. Variability of the blazar 4C 38.41 (B3 1633+382) from GHz frequencies to GeV energies. *Astronomy and Astrophysics* 545, A48.
7. Hayashida, M., and 92 colleagues **Trigilio, C.** 2012. The Structure and Emission Model of the Relativistic Jet in the Quasar 3C 279 Inferred from Radio to High-energy γ -Ray Observations in 2008-2010. *The Astrophysical Journal* 754, 114.
8. Leto, P., **Trigilio, C.**, Buemi, C. S., Leone, F., Umana, G. 2012. Searching for a CU Virginis-type cyclotron maser from σ Orionis E: the role of the magnetic quadrupole component. *Monthly Notices of the Royal Astronomical Society* 423, 1766-1774.
9. Ackermann, M., and 218 colleagues **Trigilio, C.** 2012. Multi-wavelength Observations of Blazar AO 0235+164 in the 2008-2009 Flaring State. *The Astrophysical Journal* 751, 159.

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10. Giommi, P., and 94 colleagues **Trigilio, C.** 2012. Simultaneous Planck, Swift, and Fermi observations of X-ray and γ -ray selected blazars. *Astronomy and Astrophysics* 541, A160.
11. Procopio, P., and 15 colleagues **Trigilio, C.** 2011. The Simultaneous Medicina-Planck Experiment: data acquisition, reduction and first results. *Monthly Notices of the Royal Astronomical Society* 417, 1123-1139.
12. Mikulášek, Z., and 15 colleagues **Trigilio, C.** 2011. Surprising variations in the rotation of the chemically peculiar stars CU Virginis and V901 Orionis. *Astronomy and Astrophysics* 534, L5.
13. Raiteri, C. M., and 71 colleagues **Trigilio, C.** 2011. The long-lasting activity of 3C 454.3. GASP-WEBT and satellite observations in 2008-2010. *Astronomy and Astrophysics* 534, A87.
14. Umana, G., Buemi, C. S., **Trigilio, C.**, Leto, P., Agliozzo, C., Ingallinera, A., Noriega-Crespo, A., Hora, J. L. 2011. Expanded Very Large Array Observations of the Nebula Around G79.29+0.46. *The Astrophysical Journal* 739, L11.
15. **Trigilio, C.**, Leto, P., Umana, G., Buemi, C. S., Leone, F. 2011. Auroral Radio Emission from Stars: The Case of CU Virginis. *The Astrophysical Journal* 739, L10.
16. Cerrigone, L., Hora, J. L., Umana, G., **Trigilio, C.**, Hart, A., Fazio, G. 2011. Identification of Three New Protoplanetary Nebulae Exhibiting the Unidentified Feature at 21 μm . *The Astrophysical Journal* 738, 121.
17. Palma, N. I., and 31 colleagues **Trigilio, C.** 2011. Multiwavelength Observations of the Gamma-Ray Blazar PKS 0528+134 in Quiescence. *The Astrophysical Journal* 735, 60.
18. D'Ammando, F., and 114 colleagues **Trigilio, C.** 2011. AGILE detection of extreme γ -ray activity from the blazar PKS 1510-089 during March 2009. Multifrequency analysis. *Astronomy and Astrophysics* 529, A145.
19. Cerrigone, L., **Trigilio, C.**, Umana, G., Buemi, C. S., Leto, P. 2011. From pre- to young planetary nebulae: radio continuum variability. *Monthly Notices of the Royal Astronomical Society* 412, 1137-1144.
20. Abdo, A. A., and 327 colleagues **Trigilio, C.** 2011. Erratum: "Multi-wavelength Observations of the Flaring Gamma-ray Blazar 3C 66A in 2008 October" *The Astrophysical Journal* 731, 77.
21. Buemi, C., Distefano, E., Leto, P., Schillirò, F., **Trigilio, C.**, Umana, G., Bernabei, S., Cutispoto, G., Messina, S. 2011. Photometric monitoring of Luminous Blue Variables. *Bulletin de la Societe Royale des Sciences de Liege* 80, 351-355.
22. Umana, G., Buemi, C. S., **Trigilio, C.**, Leto, P., Hora, J. L., Fazio, G. 2011. The nebulae around LBVs: a multiwavelength approach. *Bulletin de la Societe Royale des Sciences de Liege* 80, 335-340.
23. Abdo, A. A., and 327 colleagues **Trigilio, C.** 2011. Multi-wavelength Observations of the Flaring Gamma-ray Blazar 3C 66A in 2008 October. *The Astrophysical Journal* 726, 43.

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24. Paunzen, E., Hensberge, H., Maitzen, H. M., Netopil, M., **Trigilio, C.**, Fossati, L., Heiter, U., Pranka, M. 2011. A photometric long-term study of chemically peculiar stars in open clusters. *Astronomy and Astrophysics* 525, A16.
25. Raiteri, C. M., and 54 colleagues **Trigilio, C.** 2010. Another look at the BL Lacertae flux and spectral variability. Observations by GASP-WEBT, XMM-Newton, and Swift in 2008-2009. *Astronomy and Astrophysics* 524, A43.
26. Abdo, A. A., and 216 colleagues **Trigilio, C.** 2010. Fermi Large Area Telescope and Multi-wavelength Observations of the Flaring Activity of PKS 1510-089 between 2008 September and 2009 June. *The Astrophysical Journal* 721, 1425-1447.
27. Buemi, C. S., Umana, G., **Trigilio, C.**, Leto, P., Hora, J. L. 2010. VISIR/VLT and VLA Joint Imaging Analysis of the Circumstellar Nebula Around IRAS 18576+0341. *The Astrophysical Journal* 721, 1404-1411.
28. Umana, G., Buemi, C. S., **Trigilio, C.**, Leto, P., Hora, J. L. 2010. Spitzer, Very Large Telescope, and Very Large Array Observations of the Galactic Luminous Blue Variable Candidate HD 168625. *The Astrophysical Journal* 718, 1036-1045.
29. Vercellone, S., and 127 colleagues **Trigilio, C.** 2010. Multiwavelength Observations of 3C 454.3. III. Eighteen Months of Agile Monitoring of the "Crazy Diamond". *The Astrophysical Journal* 712, 405-420.
30. Abdo, A. A., and 264 colleagues **Trigilio, C.** 2010. A change in the optical polarization associated with a γ -ray flare in the blazar 3C279. *Nature* 463, 919-923.
31. D'Ammando, F., and 105 colleagues **Trigilio, C.** 2009. AGILE detection of a rapid γ -ray flare from the blazar PKS 1510-089 during the GASP-WEBT monitoring. *Astronomy and Astrophysics* 508, 181-189.
32. Leto, P., Umana, G., **Trigilio, C.**, Buemi, C.S., Dolei, S., Manzitto, P., Cerrigone, L., Siringo, C. 2009. 7 mm continuum observations of ultra compact HII regions. *Astronomy and Astrophysics* 507, 1467-1473.
33. Raiteri, C. M., and 68 colleagues **Trigilio, C.** 2009. WEBT multiwavelength monitoring and XMM-Newton observations of BL Lacertae in 2007-2008. Unveiling different emission components. *Astronomy and Astrophysics* 507, 769-779.
34. Marcaide, J. M., and 17 colleagues **Trigilio, C.** 2009. A decade of SN 1993J: discovery of radio wavelength effects in the expansion rate. *Astronomy and Astrophysics* 505, 927-945.
35. Cerrigone, L., Hora, J. L., Umana, G., **Trigilio, C.** 2009. Spitzer Detection of Polycyclic Aromatic Hydrocarbons and Silicate Features in Post-AGB Stars and Young Planetary Nebulae. *The Astrophysical Journal* 703, 585-600.
36. Villata, M., and 59 colleagues **Trigilio, C.** 2009. The GASP-WEBT monitoring of 3C 454.3 during the 2008 optical-to-radio and γ -ray outburst. *Astronomy and Astrophysics* 504, L9-L12.

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37. Villata, M., and 55 colleagues **Trigilio, C.** 2009. The correlated optical and radio variability of BL Lacertae. WEBT data analysis 1994-2005. *Astronomy and Astrophysics* 501, 455-460.
38. Umana, G., Buemi, C. S., **Trigilio, C.**, Hora, J. L., Fazio, G. G., Leto, P. 2009. The Dusty Nebula Surrounding HR Car: A Spitzer View. *The Astrophysical Journal* 694, 697-703.
39. Böttcher, M., and 53 colleagues **Trigilio, C.** 2009. The Whole Earth Blazar Telescope Campaign on the Intermediate BL Lac Object 3C 66A in 2007-2008. *The Astrophysical Journal* 694, 174-182.
40. Larionov, V. M., and 70 colleagues **Trigilio, C.** 2008. Results of WEBT, VLBA and RXTE monitoring of 3C 279 during 2006-2007. *Astronomy and Astrophysics* 492, 389-400.
41. Raiteri, C. M., and 74 colleagues **Trigilio, C.** 2008. A new activity phase of the blazar 3C 454.3. Multifrequency observations by the WEBT and XMM-Newton in 2007-2008. *Astronomy and Astrophysics* 491, 755-766.
42. Cerrigone, L., Umana, G., **Trigilio, C.**, Leto, P., Buemi, C. S., Hora, J. L. 2008. Radio continuum properties of young planetary nebulae. *Monthly Notices of the Royal Astronomical Society* 390, 363-370.
43. Palumbo, M. E., Leto, P., Siringo, C., **Trigilio, C.** 2008. Detection of C₃O in the Low-mass Protostar Elias 18. *The Astrophysical Journal* 685, 1033-1038.
44. Cerrigone, L., Hora, J. L., Umana, G., **Trigilio, C.** 2008. IC 4406: A Radio-Infrared View. *The Astrophysical Journal* 682, 1047-1054.
45. Raiteri, C. M., and 60 colleagues **Trigilio, C.** 2008. The high activity of 3C 454.3 in autumn 2007. Monitoring by the WEBT during the AGILE detection. *Astronomy and Astrophysics* 485, L17-L20.
46. Umana, G., **Trigilio, C.**, Cerrigone, L., Buemi, C. S., Leto, P. 2008. ATCA observations of the very young Planetary Nebula SAO 244567. *Monthly Notices of the Royal Astronomical Society* 386, 1404-1410.
47. Umana, G., Leto, P., **Trigilio, C.**, Buemi, C. S., Manzitto, P., Toscano, S., Dolei, S., Cerrigone, L. 2008. Millimeter observations of planetary nebulae. A contribution to the Planck pre-launch catalogue. *Astronomy and Astrophysics* 482, 529-534.
48. Villata, M., and 51 colleagues **Trigilio, C.** 2008. Multifrequency monitoring of the blazar 0716+714 during the GASP-WEBT-AGILE campaign of 2007. *Astronomy and Astrophysics* 481, L79-L82.
49. **Trigilio, C.**, Leto, P., Umana, G., Buemi, C. S., Leone, F. 2008. The radio lighthouse CU Virginis: the spin-down of a single main-sequence star. *Monthly Notices of the Royal Astronomical Society* 384, 1437-1443.
50. Raiteri, C. M., and 60 colleagues **Trigilio, C.** 2008. Radio-to-UV monitoring of AO 0235+164 by the WEBT and Swift during the 2006-2007 outburst. *Astronomy and Astrophysics* 480, 339-347.

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51. Böttcher, M., and 79 colleagues **Trigilio, C.** 2007. The WEBT Campaign on the Blazar 3C 279 in 2006. *The Astrophysical Journal* 670, 968-977.
52. Raiteri, C. M., and 75 colleagues **Trigilio, C.** 2007. WEBT and XMM-Newton observations of γ ASTROBJ 3C 454.3/ASTROBJ during the post-outburst phase. Detection of the little and big blue bumps. *Astronomy and Astrophysics* 473, 819-827.
53. Villata, M., and 47 colleagues **Trigilio, C.** 2007. The radio delay of the exceptional 3C 454.3 outburst. Follow-up WEBT observations in 2005-2006. *Astronomy and Astrophysics* 464, L5-L9.
54. Bach, U., and 25 colleagues **Trigilio, C.** 2007. Multi-frequency monitoring of γ -ray loud blazars. I. Light curves and spectral energy distributions. *Astronomy and Astrophysics* 464, 175-186.
55. Buemi, C. S., Umana, G., **Trigilio, C.**, Leto, P. 2007. A 1.2 mm MAMBO survey of post-AGB stars. *Astronomy and Astrophysics* 462, 637-644.
56. Raiteri, C. M., and 60 colleagues **Trigilio, C.** 2006. Multifrequency variability of the blazar γ ASTROBJ AO 0235+164/ASTROBJ. The WEBT campaign in 2004-2005 and long-term SED analysis. *Astronomy and Astrophysics* 459, 731-743.
57. Leto, P., **Trigilio, C.**, Buemi, C. S., Umana, G., Leone, F. 2006. Stellar magnetosphere reconstruction from radio data. Multi-frequency VLA observations and 3D-simulations of CU Virginis. *Astronomy and Astrophysics* 458, 831-839.
58. Villata, M., and 87 **Trigilio, C.** colleagues 2006. The unprecedented optical outburst of the quasar 3C 454.3. The WEBT campaign of 2004-2005. *Astronomy and Astrophysics* 453, 817-822.
59. Umana, G., Buemi, C. S., **Trigilio, C.**, Leto, P. 2005. Current day mass loss rate for Luminous Blue Variable IRAS 18576+0341. *Astronomy and Astrophysics* 437, L1-L5.
60. Umana, G., Cerrigone, L., **Trigilio, C.**, Zappalà, R. A. 2004. A search for very young Planetary Nebulae. *Astronomy and Astrophysics* 428, 121-129.
61. Leone, F., **Trigilio, C.**, Neri, R., Umana, G. 2004. Extending the radio spectrum of magnetic chemically peculiar stars to the mm range. *Astronomy and Astrophysics* 423, 1095-1099.
62. **Trigilio, C.**, Leto, P., Umana, G., Leone, F., Buemi, C. S. 2004. A three-dimensional model for the radio emission of magnetic chemically peculiar stars. *Astronomy and Astrophysics* 418, 593-605.
63. Leone, F., Plachinda, S. I., Umana, G., **Trigilio, C.**, Skulsky, M. 2003. The magnetic field of the boldmath beta Lyrae system: Orbital and longer time-scale variability. *Astronomy and Astrophysics* 405, 223-226.
64. Umana, G., Leone, F., **Trigilio, C.** 2002. The origin of the radio emission from beta Lyrae. *Astronomy and Astrophysics* 391, 609-615.

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65. Venturi, T., Dallacasa, D., Orfei, A., Bondi, M., Fanti, R., Gregorini, L., Mantovani, F., Stanghellini, C., **Trigilio, C.**, Umana, G. 2001. Radio monitoring of a sample of X- and gamma-ray loud blazars. *Astronomy and Astrophysics* 379, 755-766.
66. **Trigilio, C.**, Buemi, C. S., Umana, G., Rodonò, M., Leto, P., Beasley, A. J., Pagano, I. 2001. The radio corona of AR Lacertae. *Astronomy and Astrophysics* 373, 181-189.
67. Giovannini, G., and 14 colleagues **Trigilio, C.** 2001. EVN Observations of GRS 1915+105. *Astrophysics and Space Science Supplement* 276, 111-112.
68. Hirabayashi, H., and 74 colleagues **Trigilio, C.** 2000. The VSOP 5 GHz AGN Survey I. Compilation and Observations. *Publications of the Astronomical Society of Japan* 52, 997.
69. **Trigilio, C.**, Leto, P., Leone, F., Umana, G., Buemi, C. 2000. Coherent radio emission from the magnetic chemically peculiar star CU Virginis. *Astronomy and Astrophysics* 362, 281-288.
70. Umana, G., Maxted, P. F. L., **Trigilio, C.**, Fender, R. P., Leone, F., Yerli, S. K. 2000. Resolving the radio nebula around beta Lyrae. *Astronomy and Astrophysics* 358, 229-232.
71. Chuprikov, A. A., and 12 colleagues **Trigilio, C.** 1999. A pre-launch low frequency VLBI survey for RadioAstron. *New Astronomy Reviews* 43, 747-750.
72. Umana, G., Leto, P., **Trigilio, C.**, Hjellming, R. M., Catalano, S. 1999. The radio spectrum of Algol-type systems: RZ Cassiopeiae. *Astronomy and Astrophysics* 342, 709-716.
73. **Trigilio, C.**, Umana, G., Cohen, R. J. 1998. The circumstellar magnetic field of VX Sagittarii. *Monthly Notices of the Royal Astronomical Society* 297, 497-501.
74. Scuderi, S., Panagia, N., Stanghellini, C., **Trigilio, C.**, Umana, G. 1998. Radio observations of stellar winds from early type stars. *Astronomy and Astrophysics* 332, 251-267.
75. **Trigilio, C.**, Leto, P., Umana, G. 1998. Strong radio flaring period in UX Arietis. *Astronomy and Astrophysics* 330, 1060-1066.
76. Umana, G., **Trigilio, C.**, Catalano, S. 1998. Radio emission from Algol-type binaries. I. Results of 1992-1993 VLA survey. *Astronomy and Astrophysics* 329, 1010-1018.
77. Marcaide, J. M., and 15 colleagues **Trigilio, C.** 1997. Deceleration in the Expansion of SN 1993J. *The Astrophysical Journal* 486, L31-L34.
78. Marcaide, J. M., and 12 colleagues **Trigilio, C.** 1997. Expansion of SN 1993J: New $\lambda\lambda 6$ and 13 cm images. *Vistas in Astronomy* 41, 185-191.
79. Venturi, T., and 15 colleagues **Trigilio, C.** 1996. Multiwavelength radio observations of the encounter between Jupiter and comet Shoemaker-Levy 9.. *Astronomy and Astrophysics* 316, 243-247.
80. Leone, F., Umana, G., **Trigilio, C.** 1996. The radio spectrum of magnetic chemically peculiar stars.. *Astronomy and Astrophysics* 310, 271-276.

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81. Marcaide, J. M., and 14 colleagues **Trigilio, C.** 1995. Expansion of SN 1993J. *Science* 270, 1475-1478.
82. Guirado, J. C., and 12 colleagues **Trigilio, C.** 1995. Proper Motion of Components in 4C 39.25. *The Astronomical Journal* 110, 2586.
83. Umana, G., **Trigilio, C.**, Tumino, M., Catalano, S., Rodono, M. 1995. Radio flares on HR 1099 (= V 711 Tauri).. *Astronomy and Astrophysics* 298, 143.
84. Marcaide, J. M., and 22 colleagues **Trigilio, C.** 1995. Discovery of shell-like radio-structure in SN1993J. *Nature* 373, 44-45.
85. Umana, G., **Trigilio, C.**, Leto, G., Catalano, S., Rodono, M. 1995. Radio Flares in HR1099 (V711 Tau). *IAU Colloq. 151: Flares and Flashes* 454, 44.
86. **Trigilio, C.**, Umana, G., Migenes, V. 1995. VLBI Observations of Flares in RS CVn Binary Systems. *IAU Colloq. 151: Flares and Flashes* 454, 36.
87. Leone, F., **Trigilio, C.**, Umana, G. 1994. Radio Emission from Magnetic Chemically Peculiar Stars - Results of the 1992 VLA Survey. *Astronomy and Astrophysics* 283, 908.
88. **Trigilio, C.**, Umana, G., Migenes, V. 1993. VLBI observations of a strong radio flare in HR 1099. *Monthly Notices of the Royal Astronomical Society* 260, 903-907.
89. Umana, G., **Trigilio, C.**, Hjellming, R. M., Catalano, S., Rodono, M. 1993. Radio spectra of selected Algol-type binaries. *Astronomy and Astrophysics* 267, 126-136.
90. Umana, G., **Trigilio, C.**, Hjellming, R. M., Catalano, S., Rodonò, M. 1991. Coronal Magnetic Fields of Algol Binaries from Microwave Spectra. *IAU Colloq. 130: The Sun and Cool Stars. Activity, Magnetism, Dynamos* 380, 498.
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