

Bleien Radio Observatory Astronomy Highlights 1979 - 2010

(Selection from 112 articles in refereed journals)

1981	First observations of microflares (with Effelsberg)*	Benz, Fürst, Hirth, Perrenoud
1982	Discovery of metric spikes, later associated with acceleration of electron in Type III radio bursts	Benz, Zlobec, Jaeggi
1983	Decimetric Type III bursts first identified	Benz, Bernold, Dennis
1983	Fast pulsations in Type IV bursts*	Roberts, Edwin, Benz
1985	Correlation of decimetric radio bursts with X-rays	Aschwanden, Wiehl, Kane, Benz
1986	Association of decimetric spikes with hard X-rays	Benz, Kane
1988	Catalogue of 0.3 – 1.0 GHz emissions	Güdel, Benz
1990	Time profile of spikes	Güdel, Benz
1990	Type III bursts as signatures of flare fragmentation	Aschwanden, Benz Schwartz, Lin, Pellilng, Stehling
1994	Catalogue of 1.0 – 4.0 GHz emission	Isliker, Benz
1996	Very Long Baseline Interferometry of solar radio emissions	Benz, Graham, Isliker, Anderson, Köhnlein, Mantovani, Umana

1996	Association of metric spikes and Type III bursts	Benz, Csillaghy, Aschwanden
1997	X-ray and radio positions of spikes (with Yohkoh and VLA)	Krucker, Benz, Acton, Bastian
1997	First detection of magnetic dispersion	Benz, Pianezzi
1998	Frequency distribution of radio event fluxes	Aschwanden, Dennis, Benz
1998	Search for prompt radio emissions of gamma-ray bursts	Benz, Paesold
2001	Spatial relation of Type III and spike sources (with Nançay)	Paesold, Benz, Klein, Vilmer
2003	First simultaneous location of decimetric and X-ray flare radiations (with Nançay and Yohkoh)	Saint-Hilaire, Benz
2005	Survey on flare X-rays and associated radio emission	Benz, Grigis, Csillaghy, Saint-Hilaire
2007	Are there radio-quiet flares?	Benz, Brajsa, Magdalenic
2009	Correlation of decimetric radio emission and hard X-rays in solar flares	Dabrowski, Benz
2009	Do solar decimetric spikes originate from coronal X-ray sources?	Battaglia, Benz
2009	High Spectral Resolution Observation of Decimetric Radio Spikes Emitted by Solar Flares - First Results of the Phoenix-3 Spectrometer	Benz, Monstein, Beverland, Meyer, Stuber
2010	Location of Decimetric Pulsations in Solar Flares	Benz, Battaglia, Vilmer

* Paper in Nature