

Sergio Poppi

List of Publications by Year in descending order

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63
papers

1,096
citations

394421

19
h-index

414414

32
g-index

63
all docs

63
docs citations

63
times ranked

1626
citing authors

#	ARTICLE	IF	CITATIONS
1	Millimetric Sardinia radio Telescope Receiver based on Array of Lumped elements kids. EPJ Web of Conferences, 2022, 257, 00012.	0.3	2
2	Sardinia Radio Telescope structural behavior under solar thermal load. Structures, 2022, 39, 901-916.	3.6	4
3	The INAF Radio Data Archive: towards a modern Science Gateway. , 2021, , .		0
4	S-band Polarization All-Sky Survey (S-PASS): survey description and maps. Monthly Notices of the Royal Astronomical Society, 2019, 489, 2330-2354.	4.4	46
5	S-PASS/ATCA: a window on the magnetic universe in the Southern hemisphere. Monthly Notices of the Royal Astronomical Society, 2019, 485, 1293-1309.	4.4	21
6	Advanced Diagnostics for the Study of Linearly Polarized Emission. II. Application to Diffuse Interstellar Radio Synchrotron Emission. Astrophysical Journal, 2018, 855, 29.	4.5	14
7	S&P PASS view of polarized Galactic synchrotron at 2.3 GHz as a contaminant to CMB observations. Astronomy and Astrophysics, 2018, 618, A166.	5.1	64
8	Interstellar magnetic cannon targeting the Galactic halo. Astronomy and Astrophysics, 2018, 617, A101.	5.1	9
9	The jet/wind outflow in Centaurus A: a local laboratory for AGN feedback. Monthly Notices of the Royal Astronomical Society, 2018, 474, 4056-4072.	4.4	20
10	Observations of a nearby filament of galaxy clusters with the Sardinia Radio Telescope. Monthly Notices of the Royal Astronomical Society, 2018, 479, 776-806.	4.4	38
11	The Sardinia Radio Telescope: A comparison between close-range photogrammetry and finite element models. Mathematics and Mechanics of Solids, 2017, 22, 1005-1026.	2.4	24
12	Sardinia radio telescope finite element model updating by means of photogrammetric measurements. Mathematics and Mechanics of Solids, 2017, 22, 885-901.	2.4	17
13	Limiting magnetic fields in the cosmic web with diffuse radio emission. Monthly Notices of the Royal Astronomical Society, 2017, 468, 4246-4253.	4.4	50
14	A Southern-Sky Total Intensity Source Catalogue at 2.3 GHz from <i>S</i>-Band Polarisation All-Sky Survey Data. Publications of the Astronomical Society of Australia, 2017, 34, .	3.4	16
15	Observations of the galaxy cluster CIZA J2242.8+5301 with the Sardinia Radio Telescope. Monthly Notices of the Royal Astronomical Society, 2017, 472, 3605-3623.	4.4	21
16	A new perspective on turbulent Galactic magnetic fields through comparison of linear polarization decomposition techniques. Monthly Notices of the Royal Astronomical Society, 2017, 468, 2957-2974.	4.4	10
17	The Sardinia Radio Telescope. Astronomy and Astrophysics, 2017, 608, A40.	5.1	52
18	Sardinia Radio Telescope observations of Abell 194. Astronomy and Astrophysics, 2017, 603, A122.	5.1	51

#	ARTICLE	IF	CITATIONS
19	MAGNETIC FIELD DISORDER AND FARADAY EFFECTS ON THE POLARIZATION OF EXTRAGALACTIC RADIO SOURCES. <i>Astrophysical Journal</i> , 2016, 829, 5.	4.5	24
20	Rules of thumb to increase the software quality through testing. , 2016, , .		0
21	Sardinia Radio Telescope: General Description, Technical Commissioning and First Light. <i>Journal of Astronomical Instrumentation</i> , 2015, 04, .	1.5	72
22	A RADIO-POLARIZATION AND ROTATION MEASURE STUDY OF THE GUM NEBULA AND ITS ENVIRONMENT. <i>Astrophysical Journal</i> , 2015, 804, 22.	4.5	37
23	An infrastructure for multi back-end observations with the Sardinia Radio Telescope. <i>Proceedings of SPIE</i> , 2014, , .	0.8	3
24	The SRT inclinometer for monitoring the rail and the thermal gradient effects on the alidade structure. <i>Proceedings of SPIE</i> , 2014, , .	0.8	5
25	A PSD (position sensing device) to map the shift and tilt of the SRT secondary mirror. <i>Proceedings of SPIE</i> , 2014, , .	0.8	1
26	Commissioning of the Sardinia Radio Telescope in Italy: Results and perspectives. , 2014, , .		1
27	Galactic interstellar turbulence across the southern sky seen through spatial gradients of the polarization vector. <i>Astronomy and Astrophysics</i> , 2014, 566, A5.	5.1	38
28	Detection of a radio bridge in Abell 3667. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 430, 1414-1422.	4.4	25
29	The sardinia radio telescope: Overview and status. , 2013, , .		7
30	Giant magnetized outflows from the centre of the Milky Way. <i>Nature</i> , 2013, 493, 66-69.	27.8	171
31	Diving into the Sardinia Radio Telescope minor servo system. <i>Proceedings of SPIE</i> , 2012, , .	0.8	7
32	The control software for the Sardinia Radio Telescope. <i>Proceedings of SPIE</i> , 2012, , .	0.8	4
33	Architecture of the metrology for the SRT. , 2012, , .		3
34	The microwave holography system for the Sardinia Radio Telescope. <i>Proceedings of SPIE</i> , 2012, , .	0.8	8
35	A large aperture portable telescope. <i>Proceedings of SPIE</i> , 2011, , .	0.8	1
36	A control loop closure system for the Sardinia Radio Telescope active surface. <i>Proceedings of SPIE</i> , 2010, , .	0.8	2

#	ARTICLE	IF	CITATIONS
37	Thermal behavior of the Medicina 32-meter radio telescope. , 2010, , .		9
38	High-precision pointing with the Sardinia Radio Telescope. Proceedings of SPIE, 2010, , .	0.8	1
39	A new Bok globule towards Cygnus OB2 No. 12. Monthly Notices of the Royal Astronomical Society, 2010, 407, 1255-1258.	4.4	3
40	A new optical design for dismountable and portable catadioptric telescope. Proceedings of SPIE, 2010, , .	0.8	0
41	Search for Ammonia Radio Emission in Comet 9P/Tempel-1 after the Deep Impact Event. Globular Clusters - Guides To Galaxies, 2009, , 277-282.	0.1	1
42	Basic Element for Square Kilometer Array Training (BEST): Evaluation of the Antenna Noise Temperature. IEEE Antennas and Propagation Magazine, 2008, 50, 58-65.	1.4	7
43	Status of the Sardinia Radio Telescope project. Proceedings of SPIE, 2008, , .	0.8	17
44	The Parkes Galactic Meridian Survey (PGMS). Thirty Years of Astronomical Discovery With UKIRT, 2008, , 93-98.	0.3	1
45	Helium abundance and ionization structure in the Orion nebula: radio recombination lines observations. Astronomy and Astrophysics, 2007, 464, 995-1002.	5.1	12
46	Deep 1.4-GHz observations of diffuse polarized emission. Monthly Notices of the Royal Astronomical Society, 2006, 367, 132-138.	4.4	7
47	SETI-Italia 2003 status report and first results of a KL transform algorithm for ETI signal detection. Acta Astronautica, 2006, 58, 222-229.	3.2	6
48	Radio Recombination Line (RRL) Observations: Primordial Helium Determination and First Results at 408 MHz with the Croce del Nord Radiotelescope. , 2006, , 375-376.		1
49	Bar-SPOrt: the instrument to be accommodated at Dome C. EAS Publications Series, 2005, 14, 257-262.	0.3	0
50	High Galactic latitude polarized emission at 1.4 GHz and implications for cosmic microwave background observations. Monthly Notices of the Royal Astronomical Society, 2005, 358, 1-12.	4.4	41
51	Polarized diffuse emission at 2.3 GHz in a high Galactic latitude area. Monthly Notices of the Royal Astronomical Society: Letters, 2005, 360, L10-L14.	3.3	10
52	The Bar-SPOrt experiment: measuring the CMBP E-mode power spectrum from Dome C. EAS Publications Series, 2005, 14, 81-86.	0.3	1
53	A polarized synchrotron template for cosmic microwave background polarization experiments based on WMAP data. Monthly Notices of the Royal Astronomical Society, 2004, 351, 436-446.	4.4	14
54	The Sky Polarization Observatory. New Astronomy, 2004, 9, 297-327.	1.8	28

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55	Results of the first Italian planetary radar experiment. <i>Planetary and Space Science</i> , 2004, 52, 325-330.	1.7	10
56	High stability and sensitivity correlation polarimeters for CMB polarization measurements. , 2004, , .		3
57	Thermal design and performance evaluation of the BaR-SPOrt cryostat. , 2004, 5498, 735.		1
58	A new approach for a Galactic synchrotron polarized emission template in the microwave range. <i>Monthly Notices of the Royal Astronomical Society</i> , 2003, 344, 347-357.	4.4	10
59	The BaR-SPOrt experiment. , 2003, , .		1
60	SPOrt: an experiment aimed at measuring the large-scale cosmic microwave background polarization. , 2003, 4843, 305.		3
61	Polarization Observations in a Low Synchrotron Emission Field at 1.4 GHz. <i>Astrophysical Journal</i> , 2003, 594, L5-L8.	4.5	22
62	1.4-GHz polarimetric observations of the two fields imaged by the DASI experiment. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, 370, 2064-2070.	4.4	10
63	The Parkes Galactic Meridian Survey: observations and CMB polarization foreground analysis. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , no-no.	4.4	9