

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	Giant magnetized outflows from the centre of the Milky Way. <i>Nature</i> , 2013, 493, 66-69.	27.8	171
2	Sardinia Radio Telescope: General Description, Technical Commissioning and First Light. <i>Journal of Astronomical Instrumentation</i> , 2015, 04, .	1.5	72
3	Sâ€“PASS view of polarized Galactic synchrotron at 2.3 GHz as a contaminant to CMB observations. <i>Astronomy and Astrophysics</i> , 2018, 618, A166.	5.1	64
4	The Sardinia Radio Telescope. <i>Astronomy and Astrophysics</i> , 2017, 608, A40.	5.1	52
5	Sardinia Radio Telescope observations of Abell 194. <i>Astronomy and Astrophysics</i> , 2017, 603, A122.	5.1	51
6	Limiting magnetic fields in the cosmic web with diffuse radio emission. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 468, 4246-4253.	4.4	50
7	S-band Polarization All-Sky Survey (S-PASS): survey description and maps. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 2330-2354.	4.4	46
8	High Galactic latitude polarized emission at 1.4 GHz and implications for cosmic microwave background observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 358, 1-12.	4.4	41
9	Observations of a nearby filament of galaxy clusters with the Sardinia Radio Telescope. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 479, 776-806.	4.4	38
10	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
11	A RADIO-POLARIZATION AND ROTATION MEASURE STUDY OF THE GUM NEBULA AND ITS ENVIRONMENT. <i>Astrophysical Journal</i> , 2015, 804, 22.	4.5	37
12	The Sky Polarization Observatory. <i>New Astronomy</i> , 2004, 9, 297-327.	1.8	28
13	Detection of a radio bridge in Abell 3667. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 430, 1414-1422.	4.4	25
14	MAGNETIC FIELD DISORDER AND FARADAY EFFECTS ON THE POLARIZATION OF EXTRAGALACTIC RADIO SOURCES. <i>Astrophysical Journal</i> , 2016, 829, 5.	4.5	24
15	The Sardinia Radio Telescope: A comparison between close-range photogrammetry and finite element models. <i>Mathematics and Mechanics of Solids</i> , 2017, 22, 1005-1026.	2.4	24
16	Polarization Observations in a Low Synchrotron Emission Field at 1.4 GHz. <i>Astrophysical Journal</i> , 2003, 594, L5-L8.	4.5	22
17	Observations of the galaxy cluster CIZA J2242.8+5301 with the Sardinia Radio Telescope. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 472, 3605-3623.	4.4	21
18	S-PASS/ATCA: a window on the magnetic universe in the Southern hemisphere. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 1293-1309.	4.4	21

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19	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
20	Status of the Sardinia Radio Telescope project. Proceedings of SPIE, 2008, , .	0.8	17
21	Sardinia radio telescope finite element model updating by means of photogrammetric measurements. Mathematics and Mechanics of Solids, 2017, 22, 885-901.	2.4	17
22	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
23	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
24	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
25	Helium abundance and ionization structure in the Orion nebula: radio recombination lines observations. Astronomy and Astrophysics, 2007, 464, 995-1002.	5.1	12
26	A new approach for a Galactic synchrotron polarized emission template in the microwave range. Monthly Notices of the Royal Astronomical Society, 2003, 344, 347-357.	4.4	10
27	Results of the first Italian planetary radar experiment. Planetary and Space Science, 2004, 52, 325-330.	1.7	10
28	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
29	1.4-GHz polarimetric observations of the two fields imaged by the DASI experiment. Monthly Notices of the Royal Astronomical Society, 0, 370, 2064-2070.	4.4	10
30	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
31	Thermal behavior of the Medicina 32-meter radio telescope. , 2010, , .		9
32	The Parkes Galactic Meridian Survey: observations and CMB polarization foreground analysis. Monthly Notices of the Royal Astronomical Society, 0, , no-no.	4.4	9
33	Interstellar magnetic cannon targeting the Galactic halo. Astronomy and Astrophysics, 2018, 617, A101.	5.1	9
34	The microwave holography system for the Sardinia Radio Telescope. Proceedings of SPIE, 2012, , .	0.8	8
35	Deep 1.4-GHz observations of diffuse polarized emission. Monthly Notices of the Royal Astronomical Society, 2006, 367, 132-138.	4.4	7
36	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

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37	Diving into the Sardinia Radio Telescope minor servo system. Proceedings of SPIE, 2012, , .	0.8	7
38	The sardinia radio telescope: Overview and status. , 2013, , .		7
39	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
40	The SRT inclinometer for monitoring the rail and the thermal gradient effects on the alidade structure. Proceedings of SPIE, 2014, , .	0.8	5
41	The control software for the Sardinia Radio Telescope. Proceedings of SPIE, 2012, , .	0.8	4
42	Sardinia Radio Telescope structural behavior under solar thermal load. Structures, 2022, 39, 901-916.	3.6	4
43	SPOrt: an experiment aimed at measuring the large-scale cosmic microwave background polarization. , 2003, 4843, 305.		3
44	High stability and sensitivity correlation polarimeters for CMB polarization measurements. , 2004, , .		3
45	A new Bok globule towards Cygnus OB2 No. 12. Monthly Notices of the Royal Astronomical Society, 2010, 407, 1255-1258.	4.4	3
46	Architecture of the metrology for the SRT. , 2012, , .		3
47	An infrastructure for multi back-end observations with the Sardinia Radio Telescope. Proceedings of SPIE, 2014, , .	0.8	3
48	A control loop closure system for the Sardinia Radio Telescope active surface. Proceedings of SPIE, 2010, , .	0.8	2
49	Millimetric Sardinia radio Telescope Receiver based on Array of Lumped elements kids. EPJ Web of Conferences, 2022, 257, 00012.	0.3	2
50	The BaR-SPOrt experiment. , 2003, , .		1
51	Thermal design and performance evaluation of the BaR-SPOrt cryostat. , 2004, 5498, 735.		1
52	High-precision pointing with the Sardinia Radio Telescope. Proceedings of SPIE, 2010, , .	0.8	1
53	A large aperture portable telescope. Proceedings of SPIE, 2011, , .	0.8	1
54	A PSD (position sensing device) to map the shift and tilt of the SRT secondary mirror. Proceedings of SPIE, 2014, , .	0.8	1

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55	Commissioning of the Sardinia Radio Telescope in Italy: Results and perspectives. , 2014, , .		1
56	The Parkes Galactic Meridian Survey (PGMS). Thirty Years of Astronomical Discovery With UKIRT, 2008, , 93-98.	0.3	1
57	Radio Recombination Line (RRL) Observations: Primordial Helium Determination and First Results at 408 MHz with the Croce del Nord Radiotelescope. , 2006, , 375-376.		1
58	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
59	The BaR-SPOrt experiment: measuring the CMBP E-mode power spectrum from Dome C. EAS Publications Series, 2005, 14, 81-86.	0.3	1
60	BaR-SPOrt: the instrument to be accommodated at Dome C. EAS Publications Series, 2005, 14, 257-262.	0.3	0
61	A new optical design for dismountable and portable catadioptric telescope. Proceedings of SPIE, 2010, , .	0.8	0
62	Rules of thumb to increase the software quality through testing. , 2016, , .		0
63	The INAF Radio Data Archive: towards a modern Science Gateway. , 2021, , .		0