

William A Coles

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

2,181
citations

331259

21
h-index

433756

31
g-index

35
all docs

35
docs citations

35
times ranked

2145
citing authors

#	ARTICLE	IF	CITATIONS
1	Gravitational waves from binary supermassive black holes missing in pulsar observations. <i>Science</i> , 2015, 349, 1522-1525.	6.0	386
2	The Parkes Pulsar Timing Array Project. <i>Publications of the Astronomical Society of Australia</i> , 2013, 30, .	1.3	350
3	Rapid acceleration of the polar solar wind. <i>Nature</i> , 1996, 379, 429-432.	13.7	190
4	100 μ s RESOLUTION VLBI IMAGING OF ANISOTROPIC INTERSTELLAR SCATTERING TOWARD PULSAR B0834+06. <i>Astrophysical Journal</i> , 2010, 708, 232-243.	1.6	115
5	A study of multifrequency polarization pulse profiles of millisecond pulsars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 449, 3223-3262.	1.6	109
6	The Parkes Pulsar Timing Array project: second data release. <i>Publications of the Astronomical Society of Australia</i> , 2020, 37, .	1.3	107
7	Theory of Parabolic Arcs in Interstellar Scintillation Spectra. <i>Astrophysical Journal</i> , 2006, 637, 346-365.	1.6	100
8	Strong-Field Gravity Tests with the Double Pulsar. <i>Physical Review X</i> , 2021, 11, .	2.8	97
9	From spin noise to systematics: stochastic processes in the first International Pulsar Timing Array data release. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 458, 2161-2187.	1.6	82
10	A study of spatial correlations in pulsar timing array data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 455, 4339-4350.	1.6	80
11	PULSAR OBSERVATIONS OF EXTREME SCATTERING EVENTS. <i>Astrophysical Journal</i> , 2015, 808, 113.	1.6	75
12	Parkes Pulsar Timing Array constraints on ultralight scalar-field dark matter. <i>Physical Review D</i> , 2018, 98, .	1.6	72
13	SCATTERING OF PULSAR RADIO EMISSION BY THE INTERSTELLAR PLASMA. <i>Astrophysical Journal</i> , 2010, 717, 1206-1221.	1.6	54
14	Modeling radio scattering and scintillation observations of the inner solar wind using oblique Alfvén/ion cyclotron waves. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	47
15	Precision Orbital Dynamics from Interstellar Scintillation Arcs for PSR J0437â€“4715. <i>Astrophysical Journal</i> , 2020, 904, 104.	1.6	39
16	INTERSTELLAR SCINTILLATION OF THE DOUBLE PULSAR J0737â€“3039. <i>Astrophysical Journal</i> , 2014, 787, 161.	1.6	34
17	Modelling annual and orbital variations in the scintillation of the relativistic binary PSR J1141âˆ“6545. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 4389-4403.	1.6	34
18	THE DISTURBANCE OF A MILLISECOND PULSAR MAGNETOSPHERE. <i>Astrophysical Journal Letters</i> , 2016, 828, L1.	3.0	33

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19	Extreme scattering events towards two young pulsars. Monthly Notices of the Royal Astronomical Society, 2018, 474, 4637-4647.	1.6	32
20	PSR J1926-0652: A Pulsar with Interesting Emission Properties Discovered at FAST. Astrophysical Journal, 2019, 877, 55.	1.6	28
21	Evidence for three-dimensional spin-velocity alignment in a pulsar. Nature Astronomy, 2021, 5, 788-795.	4.2	28
22	Broadband meter-wavelength observations of ionospheric scintillation. Journal of Geophysical Research: Space Physics, 2014, 119, 10,544.	0.8	17
23	Rotation measure variations for 20 millisecond pulsars. Astrophysics and Space Science, 2011, 335, 485-498.	0.5	16
24	Searching for gravitational-wave bursts from cosmic string cusps with the Parkes Pulsar Timing Array. Monthly Notices of the Royal Astronomical Society, 2020, 501, 701-712.	1.6	14
25	Polarimetry of the Eclipsing Pulsar PSR J1748-2446A. Astrophysical Journal, 2018, 867, 22.	1.6	11
26	A comparison of mean density and microscale density fluctuations in a CME at 10 R _S TM . Geophysical Research Letters, 2002, 29, 19-1-19-4.	1.5	7
27	The Case for Combining a Large Low-Band Very High Frequency Transmitter With Multiple Receiving Arrays for Geospace Research: A Geospace Radar. Radio Science, 2019, 54, 533-551.	0.8	6
28	Detection of strong scattering close to the eclipse region of PSR B1957+20. Monthly Notices of the Royal Astronomical Society, 2022, 513, 1794-1800.	1.6	5
29	933 MHz IPS velocity measurements at EISCAT. AIP Conference Proceedings, 1996, , .	0.3	3
30	An upper bound on the solar radar cross section at 50 MHz. Journal of Geophysical Research, 2006, 111, .	3.3	3
31	Solar Radar. , 2004, , 335-353.		3
32	FLIRT update: Rapid radio observations of GRBs. , 1998, , .		2
33	Observations of Anisotropic Compressive Turbulence Near The Sun. AIP Conference Proceedings, 2003, , .	0.3	2
34	Causal spatio-temporal correlations of short scale length solar wind acceleration and heating mechanisms with a Solar Event Correlation Analyzer. AIP Conference Proceedings, 1997, , .	0.3	0
35	The Effect of Interstellar and Interplanetary Medium on Precision Pulsar Timing. AIP Conference Proceedings, 2008, , .	0.3	0