

Jonathon Kocz

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

2,767
citations

304743

22
h-index

395702

33
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34
all docs

34
docs citations

34
times ranked

2635
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-triggered radio detection and identification of cosmic air showers with the OVRO-LWA. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 953, 163086.	1.6	8
2	A fast radio burst associated with a Galactic magnetar. Nature, 2020, 587, 59-62.	27.8	417
3	Real-Time Detection and Filtering of Radio Frequency Interference Onboard a Spaceborne Microwave Radiometer: The CubeRRT Mission. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 1610-1624.	4.9	10
4	A Dual-band Radio Observation of FRB 121102 with the Deep Space Network and the Detection of Multiple Bursts. Astrophysical Journal Letters, 2020, 897, L4.	8.3	22
5	STARE2: Detecting Fast Radio Bursts in the Milky Way. Publications of the Astronomical Society of the Pacific, 2020, 132, 034202.	3.1	37
6	Simultaneous X-Ray and Radio Observations of the Repeating Fast Radio Burst FRB 180916.J0158+65. Astrophysical Journal, 2020, 901, 165.	4.5	38
7	Multiwavelength Radio Observations of Two Repeating Fast Radio Burst Sources: FRB 121102 and FRB 180916.J0158+65. Astrophysical Journal Letters, 2020, 905, L27.	8.3	20
8	A Broadband Digital Spectrometer for the Deep Space Network. Astrophysical Journal, Supplement Series, 2020, 251, 1.	7.7	2
9	A fast radio burst localized to a massive galaxy. Nature, 2019, 572, 352-354.	27.8	252
10	DSA-10: a prototype array for localizing fast radio bursts. Monthly Notices of the Royal Astronomical Society, 2019, 489, 919-927.	4.4	36
11	The 21 cm Power Spectrum from the Cosmic Dawn: First Results from the OVRO-LWA. Astronomical Journal, 2019, 158, 84.	4.7	72
12	Development of an On-Board Wide-Band Processor for Radio Frequency Interference Detection and Filtering. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 3191-3203.	6.3	10
13	New Limits on the Low-frequency Radio Transient Sky Using 31 hr of All-sky Data with the OVRO-LWA. Astrophysical Journal, 2019, 886, 123.	4.5	13
14	The Radio Sky at Meter Wavelengths: m-mode Analysis Imaging with the OVRO-LWA. Astronomical Journal, 2018, 156, 32.	4.7	62
15	A Simultaneous Search for Prompt Radio Emission Associated with the Short GRB 170112A Using the All-sky Imaging Capability of the OVRO-LWA. Astrophysical Journal, 2018, 864, 22.	4.5	24
16	Pulse Morphology of the Galactic Center Magnetar PSR J1745-2900. Astrophysical Journal, 2018, 866, 160.	4.5	31
17	POST-OUTBURST RADIO OBSERVATIONS OF THE HIGH MAGNETIC FIELD PULSAR PSR J1119-6127. Astrophysical Journal Letters, 2017, 834, L2.	8.3	30
18	Introduction to the Special Issue on Digital Signal Processing in Radio Astronomy. Journal of Astronomical Instrumentation, 2016, 05, .	1.5	7

#	ARTICLE	IF	CITATIONS
19	Pulsar Timing at the Deep Space Network. <i>Journal of Astronomical Instrumentation</i> , 2016, 05, 1641013.	1.5	1
20	Bayesian constraints on the global 21-cm signal from the Cosmic Dawn. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 461, 2847-2855.	4.4	100
21	A real-time fast radio burst: polarization detection and multiwavelength follow-up. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 447, 246-255.	4.4	236
22	Digital Signal Processing Using Stream High Performance Computing. <i>Journal of Astronomical Instrumentation</i> , 2015, 04, .	1.5	40
23	A SCALABLE HYBRID FPGA/GPU FX CORRELATOR. <i>Journal of Astronomical Instrumentation</i> , 2014, 03, .	1.5	14
24	The Parkes Pulsar Timing Array Project. <i>Publications of the Astronomical Society of Australia</i> , 2013, 30, .	3.4	350
25	Measurement and correction of variations in interstellar dispersion in high-precision pulsar timing. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 429, 2161-2174.	4.4	174
26	Development of a pulsar-based time-scale. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 427, 2780-2787.	4.4	163
27	Enhanced pulsar and single pulse detection via automated radio frequency interference detection in multipixel feeds. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 420, 271-278.	4.4	34
28	RADIO FREQUENCY INTERFERENCE REMOVAL THROUGH THE APPLICATION OF SPATIAL FILTERING TECHNIQUES ON THE PARKES MULTIBEAM RECEIVER. <i>Astronomical Journal</i> , 2010, 140, 2086-2094.	4.7	32
29	Interferometric Imaging with the 32 Element Murchison Wide-Field Array. <i>Publications of the Astronomical Society of the Pacific</i> , 2010, 122, 1353-1366.	3.1	45
30	The Murchison Widefield Array: Design Overview. <i>Proceedings of the IEEE</i> , 2009, 97, 1497-1506.	21.3	311
31	Field Deployment of Prototype Antenna Tiles for the Mileura Widefield Array Low Frequency Demonstrator. <i>Astronomical Journal</i> , 2007, 133, 1505-1518.	4.7	45
32	Detection of Crab Giant Pulses Using the Mileura Widefield Array Low Frequency Demonstrator Field Prototype System. <i>Astrophysical Journal</i> , 2007, 665, 618-627.	4.5	24
33	Overview of technical approaches to radio frequency interference mitigation. <i>Radio Science</i> , 2005, 40, n/a-n/a.	1.6	16
34	Design and characterization of the Large-aperture Experiment to Detect the Dark Age (LEDA) radiometer systems. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	4.4	91