

David Schurig

List of Publications by Year in descending order

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31
papers

2,165
citations

840776

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794594

19
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docs citations

32
times ranked

1694
citing authors

#	ARTICLE	IF	CITATIONS
1	Additive-Manufactured, Highly-Conductive Metasurfaces, With Application Enabling Secondary Properties, for Microwave Waveguide Components. IEEE Access, 2022, 10, 58921-58929.	4.2	0
2	Optimization of a Sparse Aperture Configuration for Millimeter-Wave Computational Imaging. IEEE Transactions on Antennas and Propagation, 2021, 69, 1107-1117.	5.1	11
3	Powder: Platform for Open Wireless Data-driven Experimental Research. Computer Networks, 2021, 197, 108281.	5.1	24
4	Effective Conductivity of Additive-Manufactured Metals for Microwave Feed Components. IEEE Access, 2021, 9, 59979-59986.	4.2	10
5	Fast Beamforming for Dynamic, Randomly Configured Antenna Arrays and Metamaterials. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 2087-2091.	4.0	0
6	Field Focusing for Implanted Medical Devices. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2020, 4, 273-278.	3.4	1
7	POWDER. , 2020, , .		40
8	Comparison of Passive 2-D and 3-D Ring Arrays for Medical Telemetry Focusing. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1189-1193.	4.0	7
9	Transformation optics design of a planar near field magnifier for sub-diffraction imaging. Optics Express, 2019, 27, 4694.	3.4	3
10	Analytical Phasing of Arbitrarily Oriented Arrays Using a Fast, Analytical Far-Field Calculation Method. IEEE Transactions on Antennas and Propagation, 2018, 66, 2911-2922.	5.1	11
11	Field Focusing with Novel Implantable Lens Designs using 3D Printing. , 2018, , .		3
12	Constructive Analytical Phasing (CAP) for Arbitrarily Oriented Arrays of Linearly Polarized Elements. , 2018, , .		0
13	Performance Analysis of a Helmet-Based Radar System for Impact Prediction. IEEE Access, 2018, 6, 75124-75131.	4.2	6
14	Analysis of a helmet-based FMCW radar for impact prediction. , 2017, , .		1
15	Analytical far-field calculation of arbitrarily oriented antenna arrays. , 2017, , .		0
16	Computationally fast EM field propagation through axi-symmetric media using cylindrical harmonic decomposition. Optics Express, 2016, 24, 29246.	3.4	7
17	Terahertz waveguide with a negative effective index of refraction measured using time domain techniques. , 2016, , .		0
18	Compact Low-Frequency Metamaterial Design for Wireless Power Transfer Efficiency Enhancement. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 1644-1654.	4.6	82

#	ARTICLE	IF	CITATIONS
19	Spatial imaging using a communication system's channel state information. , 2016, , .		7
20	Using signal estimation for near-field plate optimization. , 2015, , .		1
21	Receiver/transmitter configuration optimization for compressed computational millimeter-wave imaging. , 2015, , .		0
22	Improving Power Transfer Efficiency of a Short-Range Telemetry System Using Compact Metamaterials. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 947-955.	4.6	97
23	Improving power transfer efficiency in bio-telemetry systems using negative permeability metamaterials. , 2013, , .		0
24	Interferometric direction finding with a metamaterial detector. Applied Physics Letters, 2013, 103, .	3.3	15
25	Experimental Realization of a Metamaterial Detector Focal Plane Array. Physical Review Letters, 2012, 109, 177401.	7.8	72
26	Guest Editorial: Special Cluster on Metamaterials. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 1476-1479.	4.0	0
27	Material parameters and vector scaling in transformation acoustics. New Journal of Physics, 2008, 10, 115025.	2.9	81
28	One path to acoustic cloaking. New Journal of Physics, 2007, 9, 45-45.	2.9	882
29	Spatial mapping of the internal and external electromagnetic fields of negative index metamaterials. Optics Express, 2006, 14, 8694.	3.4	105
30	Partial focusing of radiation by a slab of indefinite media. Applied Physics Letters, 2004, 84, 2244-2246.	3.3	221
31	Limitations on subdiffraction imaging with a negative refractive index slab. Applied Physics Letters, 2003, 82, 1506-1508.	3.3	477