

Steven O'Keefe

List of Publications by Year in descending order

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47
papers

1,255
citations

516710

16
h-index

395702

33
g-index

47
all docs

47
docs citations

47
times ranked

1087
citing authors

#	ARTICLE	IF	CITATIONS
1	Consensus Clock Synchronization for Wireless Sensor Networks. IEEE Sensors Journal, 2012, 12, 2269-2277.	4.7	154
2	A mechanism for the production of electromagnetic radiation during fracture of brittle materials. Physics of the Earth and Planetary Interiors, 1995, 89, 127-135.	1.9	136
3	Base-station tracking in mobile communications using a switched parasitic antenna array. IEEE Transactions on Antennas and Propagation, 1998, 46, 841-844.	5.1	94
4	Tunability of Liquid Dielectric Resonator Antennas. IEEE Antennas and Wireless Propagation Letters, 2007, 6, 533-536.	4.0	76
5	Electronic beam steering using switched parasitic patch elements. Electronics Letters, 1997, 33, 7.	1.0	67
6	World-wide lightning location using VLF propagation in the Earth-ionosphere waveguide. IEEE Antennas and Propagation Magazine, 2008, 50, 40-60.	1.4	65
7	Window RF Shielding Film Using Printed FSS. IEEE Transactions on Antennas and Propagation, 2018, 66, 790-796.	5.1	64
8	Considerations in performing and analyzing the responses of cortical evoked potentials in stereo-EEG. Epilepsia, 2018, 59, 16-26.	5.1	47
9	Antenna Efficiency Calculations for Electrically Small, RFID Antennas. IEEE Antennas and Wireless Propagation Letters, 2007, 6, 156-159.	4.0	43
10	An assessment of cable radiation effects on mobile communications antenna measurements. , 0, , .		39
11	FDTD simulation of radiation characteristics of half-volume HEM- and TE-mode dielectric resonator antennas. IEEE Transactions on Antennas and Propagation, 2002, 50, 175-179.	5.1	39
12	Dual-band six-element switched parasitic array for smart antenna cellular communications systems. Electronics Letters, 2000, 36, 1342.	1.0	36
13	Beam steering and monopulse processing of probe-fed dielectric resonator antennas. IET Radar, Sonar & Navigation, 1999, 146, 121.	2.1	35
14	Self Contained Adaptable Optical Wireless Communications System for Stroke Rate During Swimming. IEEE Sensors Journal, 2013, 13, 3144-3151.	4.7	32
15	Optically transparent frequency selective surfaces on flexible thin plastic substrates. AIP Advances, 2015, 5, .	1.3	31
16	Electromagnetic emissions during rock blasting. Geophysical Research Letters, 1991, 18, 889-892.	4.0	27
17	Electronic beam steering in wire and patch antenna systems using switched parasitic elements. , 0, , .		25
18	Analysis of ferrite beads for RF isolation on straight wire conductors. Electronics Letters, 1997, 33, 1359.	1.0	23

#	ARTICLE	IF	CITATIONS
19	Quantifying volume conducted potential using stimulation artefact in cortico-cortical evoked potentials. <i>Journal of Neuroscience Methods</i> , 2020, 337, 108639.	2.5	22
20	The effect of air bubbles on an underwater optical communications system for wireless sensor network applications. <i>Microwave and Optical Technology Letters</i> , 2012, 54, 729-732.	1.4	16
21	Comparing connectivity metrics in cortico-cortical evoked potentials using synthetic cortical response patterns. <i>Journal of Neuroscience Methods</i> , 2020, 334, 108559.	2.5	16
22	Conductivity effects on electromagnetic emissions (EME) from ice fracture. <i>Journal of Electrostatics</i> , 1996, 36, 225-234.	1.9	14
23	Efficiency variations in electrically small, meander line RFID antennas. , 2007, , .		14
24	Design Methods for 3D RFID Antennas Located on a Conducting Ground Plane. <i>IEEE Transactions on Antennas and Propagation</i> , 2009, 57, 339-346.	5.1	12
25	Fracture induced electromagnetic emissions in the mining industry. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2001, 12, 203-209.	0.6	10
26	Rectangular Patch with Parasitic Folded Dipoles: A Reconfigurable Antenna. , 2008, , .		10
27	Tapered Meander Line Antenna for Maximum Efficiency and Minimal Environmental Impact. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2009, 8, 244-247.	4.0	9
28	Second Generation Swimming Feedback Device Using a Wearable Data Processing System based on Underwater Visible Light Communication. <i>Procedia Engineering</i> , 2013, 60, 34-39.	1.2	9
29	Miniaturised meandered square frequency selective surface on a thin flexible dielectric with selective transmission. <i>Flexible and Printed Electronics</i> , 2016, 1, 025001.	2.7	9
30	Automatic detection of the epileptogenic zone: An application of the fingerprint of epilepsy. <i>Journal of Neuroscience Methods</i> , 2019, 325, 108347.	2.5	9
31	Real-time swimmers' feedback based on smart infrared (SSIR) optical wireless sensor. <i>Electronics Letters</i> , 2013, 49, 340-341.	1.0	8
32	Miniature Convolved FSS for Gain Enhancement of a Multiband Antenna. <i>IEEE Access</i> , 2021, 9, 36898-36907.	4.2	8
33	Tapered wire antenna design for maximum efficiency and minimal environmental impact. , 2008, , .		7
34	A ROBUST METHOD OF CALCULATING THE EFFECTIVE LENGTH OF A CONDUCTIVE STRIP ON AN UNGROUNDED DIELECTRIC SUBSTRATE. <i>Progress in Electromagnetics Research M</i> , 2014, 35, 57-66.	0.9	7
35	Surface Field Measurements From a Buried UHF Transmitter: Theory, Modeling and Experimental Results. <i>IEEE Transactions on Antennas and Propagation</i> , 2017, 65, 4389-4393.	5.1	7
36	A novel wide band antenna for WLAN applications. , 0, , .		6

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37	Eddy current modelling using the impedance method for surface impedance profiling. IEEE Transactions on Magnetics, 1999, 35, 1107-1110.	2.1	5
38	Surface impedance time domain reflectometry for the determination of ice depth. Geophysical Research Letters, 1997, 24, 1599-1602.	4.0	4
39	Switched parasitic feeds for parabolic antenna angle diversity. Microwave and Optical Technology Letters, 1999, 23, 200-203.	1.4	3
40	Time-Dependent Surface Impedance From Spherics. IEEE Geoscience and Remote Sensing Letters, 2005, 2, 104-107.	3.1	3
41	Radio and antenna integration for mobile platforms. , 2006, , .		3
42	Nocturnal motor events in epilepsy: Is there a defined physiological network?. Clinical Neurophysiology, 2019, 130, 1531-1538.	1.5	3
43	Ultra-Thin Broadband Transmission FSS for Linear Polarization Rotation. IEEE Access, 2021, 9, 127335-127342.	4.2	3
44	Simple Low-Cost Fabrication Method of A Buried Plastic Optical Waveguide for Circuits in Plastic Interconnects. Microwave and Optical Technology Letters, 2013, 55, 1947-1950.	1.4	2
45	Fabrication Methods for SU-8 Optical Interconnects in Plastic Substrates. IEEE Photonics Technology Letters, 2014, 26, 1275-1278.	2.5	2
46	A pure dielectric PIFA for WLAN applications. , 2008, , .		1
47	In search of the perfect handset antenna. , 2008, , .		0