

Ben Allen

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

190
citations

1307594

7
h-index

1199594

12
g-index

26
all docs

26
docs citations

26
times ranked

213
citing authors

#	ARTICLE	IF	CITATIONS
1	Threshold Optimization for Energy Detection-Based Spectrum Sensing Over Hyper-Rayleigh Fading Channels. IEEE Communications Letters, 2015, 19, 1077-1080.	4.1	26
2	Performance Analysis for Multihop Full-Duplex IoT Networks Subject to Poisson Distributed Interferers. IEEE Internet of Things Journal, 2019, 6, 3467-3479.	8.7	24
3	Planar millimetre-wave antenna simultaneously producing four orbital angular momentum modes and associated multi-element receiver array. IET Microwaves, Antennas and Propagation, 2016, 10, 1492-1499.	1.4	15
4	How orbital angular momentum modes are boosting the performance of radio links. IET Microwaves, Antennas and Propagation, 2018, 12, 1625-1632.	1.4	15
5	Evaluation of the Laguerre-Gaussian mode purity produced by three-dimensional-printed microwave spiral phase plates. Royal Society Open Science, 2020, 7, 200493.	2.4	14
6	Impact of Bandwidth on Small-Scale Fade Depth. , 2007, , .		13
7	Wireless sensor positioning with ultrawideband fingerprinting. , 2006, , .		11
8	Experimental evaluation of 3D printed spiral phase plates for enabling an orbital angular momentum multiplexed radio system. Royal Society Open Science, 2019, 6, 191419.	2.4	11
9	A Simple Adaptive Beamformer for Ultrawideband Wireless Systems. , 2006, , .		7
10	Efficient design of a radome for minimised transmission loss. IET Microwaves, Antennas and Propagation, 2016, 10, 1662-1666.	1.4	7
11	Indoor-to-outdoor empirical path loss modelling for femtocell networks at 0.9, 2, 2.5 and 3.5 GHz using singular value decomposition. IET Microwaves, Antennas and Propagation, 2017, 11, 1203-1211.	1.4	6
12	Performance analysis of opportunistic relaying and opportunistic hybrid incremental relaying over fading channels. IET Communications, 2015, 9, 1154-1163.	2.2	5
13	Monopulse sum and difference signals with compensation for a failed feed element. IET Microwaves, Antennas and Propagation, 2016, 10, 645-650.	1.4	5
14	Printed microstrip antenna for harvesting energy from mobile phone base stations. , 2016, , .		4
15	Discretely-sampled partial aperture receiver for orbital angular momentum modes. , 2017, , .		4
16	Performance analysis of an orbital angular momentum multiplexed amplify-and-forward radio relay chain with inter-modal crosstalk. Royal Society Open Science, 2019, 6, 181063.	2.4	4
17	Diversity Analysis of Multi-Antenna UWB Impulse Radio Systems with Correlated Propagation Channels. , 2007, , .		3
18	Deconstructing space-frequency correlated ultrawideband MIMO channels. , 2008, , .		3

#	ARTICLE	IF	CITATIONS
19	Linear angular momentum multiplexing“ conceptualization and experimental evaluation with antenna arrays. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2020, 476, 20200209.	2.1	3
20	Sinusoidal time-modulated uniform circular array for generating orbital angular momentum modes. , 2017, , .		3
21	Code Orthogonality for Wideband CDMA Systems With Multiple Transmit Antennas. IEEE Transactions on Vehicular Technology, 2007, 56, 3749-3756.	6.3	2
22	Evaluation of GAM-radio mode detection using the phase gradient method. , 2017, , .		2
23	Experimental evaluation of spectral efficiency from a circular array antenna producing a Laguerre“Gauss mode. Royal Society Open Science, 2020, 7, 201711.	2.4	2
24	Experimental evaluation of a linear angular momentum multiplexed radio link for moving platforms. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2021, 477, 20210295.	2.1	1
25	Wireless networks: What next for radiowave propagation research. , 2008, , .		0
26	Innovative and emerging communications concepts and technologies. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2021, 477, .	2.1	0