

# 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	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
2	Innovative and emerging communications concepts and technologies. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2021, 477, .	2.1	0
3	Linear angular momentum multiplexingâ€”conceptualization and experimental evaluation with antenna arrays. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2020, 476, 20200209.	2.1	3
4	Evaluation of the Laguerreâ€”Gaussian mode purity produced by three-dimensional-printed microwave spiral phase plates. Royal Society Open Science, 2020, 7, 200493.	2.4	14
5	Experimental evaluation of spectral efficiency from a circular array antenna producing a Laguerreâ€”Gauss mode. Royal Society Open Science, 2020, 7, 201711.	2.4	2
6	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
7	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
8	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
9	How orbital angular momentum modes are boosting the performance of radio links. IET Microwaves, Antennas and Propagation, 2018, 12, 1625-1632.	1.4	15
10	Indoorâ€”toâ€”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
11	Evaluation of GAM-radio mode detection using the phase gradient method. , 2017, , .		2
12	Discretely-sampled partial aperture receiver for orbital angular momentum modes. , 2017, , .		4
13	Sinusoidal time-modulated uniform circular array for generating orbital angular momentum modes. , 2017, , .		3
14	Monopulse sum and difference signals with compensation for a failed feed element. IET Microwaves, Antennas and Propagation, 2016, 10, 645-650.	1.4	5
15	Efficient design of a radome for minimised transmission loss. IET Microwaves, Antennas and Propagation, 2016, 10, 1662-1666.	1.4	7
16	Planar millimetreâ€”wave antenna simultaneously producing four orbital angular momentum modes and associated multiâ€”element receiver array. IET Microwaves, Antennas and Propagation, 2016, 10, 1492-1499.	1.4	15
17	Printed microstrip antenna for harvesting energy from mobile phone base stations. , 2016, , .		4
18	Performance analysis of opportunistic relaying and opportunistic hybrid incremental relaying over fading channels. IET Communications, 2015, 9, 1154-1163.	2.2	5

#	ARTICLE	IF	CITATIONS
19	Threshold Optimization for Energy Detection-Based Spectrum Sensing Over Hyper-Rayleigh Fading Channels. IEEE Communications Letters, 2015, 19, 1077-1080.	4.1	26
20	Wireless networks: What next for radiowave propagation research. , 2008, , .		0
21	Deconstructing space-frequency correlated ultrawideband MIMO channels. , 2008, , .		3
22	Diversity Analysis of Multi-Antenna UWB Impulse Radio Systems with Correlated Propagation Channels. , 2007, , .		3
23	Impact of Bandwidth on Small-Scale Fade Depth. , 2007, , .		13
24	Code Orthogonality for Wideband CDMA Systems With Multiple Transmit Antennas. IEEE Transactions on Vehicular Technology, 2007, 56, 3749-3756.	6.3	2
25	A Simple Adaptive Beamformer for Ultrawideband Wireless Systems. , 2006, , .		7
26	Wireless sensor positioning with ultrawideband fingerprinting. , 2006, , .		11