

William G Whittow

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

83
papers

1,267
citations

18
h-index

33
g-index

102
ext. papers

1,685
ext. citations

3.2
avg, IF

4.72
L-index

#	Paper	IF	Citations
83	Optimization and experimental validation of a bi-focal lens in the microwave domain. <i>AIP Advances</i> , 2022 , 12, 025103	1.5	
82	Next-Generation Healthcare: Enabling Technologies for Emerging Bioelectromagnetics Applications. <i>IEEE Open Journal of Antennas and Propagation</i> , 2022 , 3, 363-390	1.9	5
81	Synthesis and dielectric characterisation of a low loss BaSrTiO ₃ /ABS ceramic/polymer composite for fused filament fabrication additive manufacturing. <i>Additive Manufacturing</i> , 2022 , 55, 102844	6.1	1
80	Nature-inspired orbital angular momentum beam generator using aperiodic metasurface. <i>Journal Physics D: Applied Physics</i> , 2021 , 54, 275106	3	0
79	Additively manufactured ultra-low sintering temperature, low loss Ag ₂ Mo ₂ O ₇ ceramic substrates. <i>Journal of the European Ceramic Society</i> , 2021 , 41, 394-401	6	11
78	Direct ink writing of bismuth molybdate microwave dielectric ceramics. <i>Ceramics International</i> , 2021 , 47, 7625-7631	5.1	2
77	. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 69, 3788-3799	4.9	11
76	Aperiodic Sunflower-Like Metasurface for Diffusive Scattering and RCS Reduction. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2020 , 19, 1048-1052	3.8	11
75	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2020 , 68, 74-86	4.1	3
74	Multi-material additive manufacturing of low sintering temperature Bi ₂ Mo ₂ O ₉ ceramics with Ag floating electrodes by selective laser burnout. <i>Virtual and Physical Prototyping</i> , 2020 , 15, 133-147	10.1	22
73	. <i>IEEE Access</i> , 2020 , 8, 7628-7640	3.5	1
72	Direct Integration of Cold Sintered, Temperature-Stable Bi ₂ Mo ₂ O ₉ -K ₂ MoO ₄ Ceramics on Printed Circuit Boards for Satellite Navigation Antennas. <i>Journal of the European Ceramic Society</i> , 2020 , 40, 4029-4034	6	21
71	Cold sintered CaTiO ₃ -K ₂ MoO ₄ microwave dielectric ceramics for integrated microstrip patch antennas. <i>Applied Materials Today</i> , 2020 , 18, 100519	6.6	31
70	Fused filament fabrication of functionally graded polymer composites with variable relative permittivity for microwave devices. <i>Materials and Design</i> , 2020 , 193, 108871	8.1	14
69	Fabrication of Artificial Dielectrics via Stereolithography Based 3D-Printing 2020 ,		2
68	Additive Manufacturing for High Performance Antennas and RF Components 2019 ,		3
67	Temperature Stable Cold Sintered (BiLi)(VMo)O-NaMoO Microwave Dielectric Composites. <i>Materials</i> , 2019 , 12,	3.5	21

66	The Impact of 3D Printing Process Parameters on the Dielectric Properties of High Permittivity Composites. <i>Designs</i> , 2019 , 3, 50	1.8	12
65	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2019 , 67, 4341-4352	4.1	12
64	Wearable and meshed wideband monopole antennas and their interactions with the human body. <i>IET Microwaves, Antennas and Propagation</i> , 2019 , 13, 2412-2418	1.6	1
63	High quality factor cold sintered Li ₂ MoO ₄ BaFe ₁₂ O ₁₉ composites for microwave applications. <i>Acta Materialia</i> , 2019 , 166, 202-207	8.4	35
62	Body-centric wireless hospital patient monitoring networks using body-contoured flexible antennas. <i>IET Microwaves, Antennas and Propagation</i> , 2018 , 12, 203-210	1.6	9
61	Bone fracture monitoring using implanted antennas in the radius, tibia and phalange heterogeneous bone phantoms. <i>Biomedical Physics and Engineering Express</i> , 2018 , 4, 045006	1.5	6
60	. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 5308-5317	4.9	9
59	Dual-Band 4G Eyewear Antenna and SAR Implications. <i>IEEE Transactions on Antennas and Propagation</i> , 2017 , 65, 2085-2089	4.9	9
58	Miniaturization of a Circular Patch Microstrip Antenna Using an Arc Projection. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 16, 517-520	3.8	11
57	Ultrabroadband Antenna With Robustness to Body Detuning for 4G Eyewear Devices. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 16, 1225-1228	3.8	10
56	3D-printed lens antenna 2017 ,		2
55	Design, realisation and evaluation of a liquid hollow torso phantom appropriate for wearable antenna assessment. <i>IET Microwaves, Antennas and Propagation</i> , 2017 , 11, 1308-1316	1.6	3
54	Numerical dosimetry of CDMA/GSM, DCS/PCS and 3G signal jammers. <i>IET Microwaves, Antennas and Propagation</i> , 2016 , 10, 827-835	1.6	1
53	Higher-mode textile patch antenna with embroidered vias for on-body communication. <i>IET Microwaves, Antennas and Propagation</i> , 2016 , 10, 802-807	1.6	35
52	Ball Grid Array-Module With Integrated Shaped Lens for WiGig Applications in Eyewear Devices. <i>IEEE Transactions on Antennas and Propagation</i> , 2016 , 64, 872-882	4.9	11
51	3D-printed planar graded index lenses. <i>IET Microwaves, Antennas and Propagation</i> , 2016 , 10, 1411-1419	1.6	55
50	Characterisation of an antenna system implanted into a limb phantom for monitoring of bone fracture healing 2016 ,		1
49	Towards industrial internet of things: Crankshaft monitoring, traceability and tracking using RFID. <i>Robotics and Computer-Integrated Manufacturing</i> , 2016 , 41, 66-77	9.2	93

48	Dipole-slot-dipole metasurfaces. <i>IET Microwaves, Antennas and Propagation</i> , 2016 , 10, 1384-1389	1.6	4
47	Evaluating 2-D grid interpolation techniques for predicting ambient RF power density in automobile factories 2016 ,		1
46	Flexible three-dimensional printed antenna substrates. <i>Journal of Engineering</i> , 2015 , 2015, 258-260	0.7	2
45	Novel 3D printed synthetic dielectric substrates. <i>Microwave and Optical Technology Letters</i> , 2015 , 57, 2344-2346	1.2	35
44	BENDING AND CRUMPLING DEFORMATION STUDY OF THE RESONANT CHARACTERISTIC AND SAR FOR A 2.4 GHZ TEXTILE ANTENNA. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2015 , 77,	1.2	2
43	Embroidered Wire Dipole Antennas Using Novel Copper Yarns. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2015 , 14, 638-641	3.8	34
42	Band-pass filter-like antenna validation in an ultra-wideband in-car wireless channel. <i>IET Communications</i> , 2015 , 9, 532-540	1.3	8
41	Microstrip Patch Antennas With Anisotropic and Diamagnetic Synthetic Heterogeneous Substrates. <i>IEEE Transactions on Antennas and Propagation</i> , 2015 , 63, 3280-3285	4.9	5
40	Dipole and slot loaded closely coupled complementary metasurfaces 2015 ,		1
39	On-body measurements of embroidered spiral antenna 2015 ,		4
38	RF power density measurements for RF energy harvesting in automobile factories 2015 ,		2
37	3D-printed flat lens for microwave applications 2015 ,		14
36	4G antennas for wireless eyewear devices and related SAR. <i>Comptes Rendus Physique</i> , 2015 , 16, 836-850	1.4	5
35	Patch size reduction of rectangular microstrip antennas by means of a cuboid ridge. <i>IET Microwaves, Antennas and Propagation</i> , 2015 , 9, 1727-1732	1.6	11
34	An implanted antenna system for the monitoring of the healing of bone fractures 2015 ,		7
33	Tattoo Antenna Temporary Transfers Operating On-Skin (TATTOOS). <i>Lecture Notes in Computer Science</i> , 2015 , 685-695	0.9	6
32	Antennas on quasi synthetic media. <i>Applied Physics A: Materials Science and Processing</i> , 2014 , 115, 605-616	1.6	2
31	Performance and radiation patterns of aesthetic and asymmetric logo-based patch antennas. <i>Journal of Electromagnetic Waves and Applications</i> , 2014 , 28, 848-860	1.3	2

30	Inkjet-Printed Microstrip Patch Antennas Realized on Textile for Wearable Applications. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2014 , 13, 71-74	3.8	106
29	Embroidery and Related Manufacturing Techniques for Wearable Antennas: Challenges and Opportunities. <i>Electronics (Switzerland)</i> , 2014 , 3, 314-338	2.6	137
28	APPLICATIONS AND FUTURE PROSPECTS FOR MICROSTRIP ANTENNAS USING HETEROGENEOUS AND COMPLEX 3-D GEOMETRY SUBSTRATES. <i>Progress in Electromagnetics Research</i> , 2014 , 144, 271-280	3.8	7
27	Investigation of the effect of metallic frames on 4G eyewear antennas 2014 ,		4
26	Aesthetically Enhanced RFID Inkjet Antenna Logos on Skin (AERIALS). <i>Lecture Notes in Computer Science</i> , 2014 , 719-730	0.9	4
25	Review of artificial dielectrics containing small scale inclusions 2013 ,		1
24	Embroidered Frequency Selective Surfaces on textiles for wearable applications 2013 ,		15
23	Evaluation of a human body phantom for wearable antenna measurements at the 5.8GHz band 2013 ,		4
22	Feasibility Study of 4G Cellular Antennas for Eyewear Communicating Devices. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2013 , 12, 1704-1707	3.8	23
21	Effect of the fabrication parameters on the performance of embroidered antennas. <i>IET Microwaves, Antennas and Propagation</i> , 2013 , 7, 1174-1181	1.6	55
20	Inkjet printed dipole antennas on textiles for wearable communications. <i>IET Microwaves, Antennas and Propagation</i> , 2013 , 7, 760-767	1.6	83
19	Antenna Emblems Reshaped as Icons and Esthetic Logos (Aerial). <i>Microwave and Optical Technology Letters</i> , 2013 , 55, 1711-1714	1.2	7
18	THE INFLUENCE OF HUMAN HEAD MODEL WEARING METAL-FRAME SPECTACLES TO THE CHANGES OF SAR AND ANTENNA GAIN: SIMULATION OF FRONTAL FACE EXPOSURE. <i>Progress in Electromagnetics Research</i> , 2013 , 137, 453-473	3.8	3
17	Designing microwave patch antennas using heterogeneous substrates 2012 ,		2
16	Simulation Methodology for Synthesis of Antenna Substrates With Microscale Inclusions. <i>IEEE Transactions on Antennas and Propagation</i> , 2012 , 60, 2194-2202	4.9	28
15	CPW-Fed Cavity-Backed Slot Radiator Loaded With an AMC Reflector. <i>IEEE Transactions on Antennas and Propagation</i> , 2012 , 60, 735-742	4.9	91
14	Manipulating micro-sized coupling gaps for reconfigurable antenna applications. <i>Microwave and Optical Technology Letters</i> , 2012 , 54, 2444-2445	1.2	2
13	Microstrip patch antennas with 3-dimensional substrates 2012 ,		2

12	Microwave antennas and heterogeneous substrates using nanomaterial fabrication techniques 2011,		4
11	Effective Permittivity of Heterogeneous Substrates With Cubes in a 3-D Lattice. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2011 , 10, 1480-1483	3.8	18
10	Experimental assessment of the effects of cross-traffic on Wi-Fi video streaming. <i>Measurement: Journal of the International Measurement Confederation</i> , 2011 , 44, 1661-1668	4.6	1
9	Performance investigation of a dual element IFA array at 3 GHz for MIMO terminals 2011,		3
8	On the miniaturization of microstrip line-fed slot antenna using various slots 2011,		3
7	Bendable plaster antenna for 2.45 GHz applications 2009,		5
6	Novel planar AMC for low profile antenna applications 2009,		4
5	Ultra thin dipole antenna backed by new planar artificial magnetic conductor 2009,		1
4	2009,		2
3	The Energy Absorbed in the Human Head Due to Ring-Type Jewelry and Face-Illuminating Mobile Phones Using a Dipole and a Realistic Source. <i>IEEE Transactions on Antennas and Propagation</i> , 2008 , 56, 3812-3817	4.9	9
2	Experimental Verification of a Modified Specific Anthropomorphic Mannequin (SAM) Head used for SAR Measurements 2007,		13
1	Thermal Spray Coatings for Electromagnetic Wave Absorption and Interference Shielding: A Review and Future Challenges. <i>Advanced Engineering Materials</i> ,2200171	3.5	2