

Yang Hao

List of Publications by Citations

Source: <https://exaly.com/author-pdf/7157132/yang-hao-publications-by-citations.pdf>

Version: 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

338
papers

6,853
citations

44
h-index

70
g-index

454
ext. papers

8,573
ext. citations

3.6
avg, IF

6.28
L-index

#	Paper	IF	Citations
338	Antennas and propagation for on-body communication systems. <i>IEEE Antennas and Propagation Magazine</i> , 2007 , 49, 41-58	1.7	305
337	Wireless body sensor networks for health-monitoring applications. <i>Physiological Measurement</i> , 2008 , 29, R27-56	2.9	253
336	Subwavelength imaging at optical frequencies using a transmission device formed by a periodic layered metal-dielectric structure operating in the canalization regime. <i>Physical Review B</i> , 2006 , 73,	3.3	242
335	Detecting vital signs with wearable wireless sensors. <i>Sensors</i> , 2010 , 10, 10837-62	3.8	217
334	Subwavelength microwave imaging using an array of parallel conducting wires as a lens. <i>Physical Review B</i> , 2006 , 73,	3.3	170
333	Experimental demonstration of a transparent graphene millimetre wave absorber with 28% fractional bandwidth at 140 GHz. <i>Scientific Reports</i> , 2014 , 4, 4130	4.9	153
332	Comparison between two different antennas for UWB on-body propagation measurements. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2005 , 4, 31-34	3.8	132
331	Transient Characteristics of Wearable Antennas and Radio Propagation Channels for Ultrawideband Body-Centric Wireless Communications. <i>IEEE Transactions on Antennas and Propagation</i> , 2009 , 57, 875-884	4.9	121
330	Statistical Analysis and Performance Evaluation for On-Body Radio Propagation With Microstrip Patch Antennas. <i>IEEE Transactions on Antennas and Propagation</i> , 2007 , 55, 245-248	4.9	121
329	UWB on-body radio propagation and system modelling for wireless body-centric networks. <i>IET Communications</i> , 2006 , 153, 107		113
328	Flat Luneburg Lens via Transformation Optics for Directive Antenna Applications. <i>IEEE Transactions on Antennas and Propagation</i> , 2014 , 62, 1945-1953	4.9	110
327	Internal Hexa-Band Folded Monopole/Dipole/Loop Antenna With Four Resonances for Mobile Device. <i>IEEE Transactions on Antennas and Propagation</i> , 2012 , 60, 2880-2885	4.9	93
326	UWB on-body radio channel modeling using ray theory and subband FDTD method. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2006 , 54, 1827-1835	4.1	91
325	Discrete Coordinate Transformation for Designing All-Dielectric Flat Antennas. <i>IEEE Transactions on Antennas and Propagation</i> , 2010 , 58, 3795-3804	4.9	90
324	Full-wave finite-difference time-domain simulation of electromagnetic cloaking structures. <i>Optics Express</i> , 2008 , 16, 6717-30	3.3	87
323	Body Sensor Networks: In the Era of Big Data and Beyond. <i>IEEE Reviews in Biomedical Engineering</i> , 2015 , 8, 4-16	6.4	84
322	Transmission of images with subwavelength resolution to distances of several wavelengths in the microwave range. <i>Physical Review B</i> , 2008 , 77,	3.3	84

321	. <i>IEEE Vehicular Technology Magazine</i> , 2020 , 15, 22-32	9.9	83
320	Modeling and Characterization of Biotelemetric Radio Channel From Ingested Implants Considering Organ Contents. <i>IEEE Transactions on Antennas and Propagation</i> , 2009 , 57, 999-1005	4.9	79
319	Numerical Analysis and Characterization of THz Propagation Channel for Body-Centric Nano-Communications. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2015 , 5, 419-426	3.4	76
318	A broadband zone plate lens from transformation optics. <i>Optics Express</i> , 2011 , 19, 12348-55	3.3	72
317	Antennas and Propagation of Implanted RFIDs for Pervasive Healthcare Applications. <i>Proceedings of the IEEE</i> , 2010 , 98, 1648-1655	14.3	72
316	Broadband Tissue Mimicking Phantoms and a Patch Resonator for Evaluating Noninvasive Monitoring of Blood Glucose Levels. <i>IEEE Transactions on Antennas and Propagation</i> , 2014 , 62, 3064-3075	4.9	71
315	Numerical Characterization and Link Budget Evaluation of Wireless Implants Considering Different Digital Human Phantoms. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2009 , 57, 2605-2613	4.1	71
314	Experimental Characterization of UWB On-Body Radio Channel in Indoor Environment Considering Different Antennas. <i>IEEE Transactions on Antennas and Propagation</i> , 2010 , 58, 238-241	4.9	66
313	Magnification of subwavelength field distributions at microwave frequencies using a wire medium slab operating in the canalization regime. <i>Applied Physics Letters</i> , 2007 , 91, 104102	3.4	65
312	Transformation optics for antennas: why limit the bandwidth with metamaterials?. <i>Scientific Reports</i> , 2013 , 3, 1903	4.9	62
311	Slim Luneburg lens for antenna applications. <i>Optics Express</i> , 2011 , 19, 19925-34	3.3	62
310	Perfect surface wave cloaks. <i>Physical Review Letters</i> , 2013 , 111, 213901	7.4	60
309	Curvilinear MetaSurfaces for Surface Wave Manipulation. <i>Scientific Reports</i> , 2019 , 9, 3107	4.9	60
308	Ground-plane quasicloaking for free space. <i>Physical Review A</i> , 2009 , 79,	2.6	58
307	Solvent-based paste extrusion solid freeforming. <i>Journal of the European Ceramic Society</i> , 2010 , 30, 1-106		58
306	Microwave absorption and radiation from large-area multilayer CVD graphene. <i>Carbon</i> , 2014 , 77, 814-822	20.4	55
305	. <i>IEEE Transactions on Antennas and Propagation</i> , 2013 , 61, 5910-5922	4.9	54
304	Measurements and Statistical Analysis of On-Body Channel Fading at 2.45 GHz. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2007 , 6, 612-615	3.8	54

303	A Compact and Low-Profile MIMO Antenna Using a Miniature Circular High-Impedance Surface for Wearable Applications. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 96-104	4.9	53
302	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 1998 , 46, 82-88	4.1	53
301	Numerical characterization and modeling of subject-specific ultrawideband body-centric radio channels and systems for healthcare applications. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2012 , 16, 221-7		52
300	Radio-Frequency and Microwave Techniques for Non-Invasive Measurement of Blood Glucose Levels. <i>Diagnostics</i> , 2019 , 9,	3.8	51
299	STAR: Simultaneous Transmission and Reflection for 360° Coverage by Intelligent Surfaces. <i>IEEE Wireless Communications</i> , 2021 , 28, 102-109	13.4	51
298	Towards Accurate Dielectric Property Retrieval of Biological Tissues for Blood Glucose Monitoring. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2014 , 62, 3193-3204	4.1	49
297	Experimental study of the subwavelength imaging by a wire medium slab. <i>Applied Physics Letters</i> , 2006 , 89, 262109	3.4	49
296	Rapid prototyping of ceramic millimeterwave metamaterials: Simulations and experiments. <i>Microwave and Optical Technology Letters</i> , 2007 , 49, 2090-2093	1.2	48
295	Experimental demonstration of multiwire endoscopes capable of manipulating near-fields with subwavelength resolution. <i>Applied Physics Letters</i> , 2010 , 97, 191905	3.4	47
294	Characterization of microstrip patch antennas on metamaterial substrates loaded with complementary split-ring resonators. <i>Microwave and Optical Technology Letters</i> , 2008 , 50, 2131-2135	1.2	43
293	Design of Low-Profile High-Gain EBG Resonator Antennas Using a Genetic Algorithm. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2007 , 6, 480-483	3.8	43
292	. <i>IEEE Transactions on Antennas and Propagation</i> , 2017 , 65, 2671-2676	4.9	42
291	Optically transparent ultra-wideband antenna. <i>Electronics Letters</i> , 2009 , 45, 722	1.1	42
290	Roadmap on transformation optics. <i>Journal of Optics (United Kingdom)</i> , 2018 , 20, 063001	1.7	40
289	Modeling and design for electromagnetic surface wave devices. <i>Radio Science</i> , 2017 , 52, 1049-1057	1.4	38
288	Numerical and experimental evaluation of a compact sensor antenna for healthcare devices. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2007 , 1, 242-9	5.1	37
287	An Active Wideband and Wide-Angle Electromagnetic Absorber at Microwave Frequencies. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2016 , 15, 1913-1916	3.8	36
286	A Grounded Slim Luneburg Lens Antenna Based on Transformation Electromagnetics. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2011 , 10, 1590-1593	3.8	36

285	Lenses on curved surfaces. <i>Optics Letters</i> , 2014 , 39, 3551-4	3	35
284	A Radially-Dependent Dispersive Finite-Difference Time-Domain Method for the Evaluation of Electromagnetic Cloaks. <i>IEEE Transactions on Antennas and Propagation</i> , 2009 , 57, 1432-1441	4.9	34
283	Finite-Difference Time-Domain Study of Guided Modes in Nano-Plasmonic Waveguides. <i>IEEE Transactions on Antennas and Propagation</i> , 2007 , 55, 3070-3077	4.9	33
282	Modelling and Characterisation of Radio Propagation from Wireless Implants at Different Frequencies 2006 ,		33
281	Parametric study of wearable antennas with varying distances from the body and different on-body positions 2007 ,		32
280	Graphene Field-Effect Transistor Model With Improved Carrier Mobility Analysis. <i>IEEE Transactions on Electron Devices</i> , 2015 , 62, 3433-3440	2.9	31
279	Magnetically-driven medical robots: An analytical magnetic model for endoscopic capsules design. <i>Journal of Magnetism and Magnetic Materials</i> , 2018 , 452, 278-287	2.8	30
278	All-dielectric invisibility cloaks made of BaTiO ₃ -loaded polyurethane foam. <i>New Journal of Physics</i> , 2011 , 13, 103023	2.9	30
277	Isotropic and nondispersive planar fed Luneburg lens from Hamiltonian transformation optics. <i>Optics Letters</i> , 2012 , 37, 4850-2	3	30
276	Low-Profile Directive Millimeter-Wave Antennas Using Free-Formed Three-Dimensional (3-D) Electromagnetic Bandgap Structures. <i>IEEE Transactions on Antennas and Propagation</i> , 2009 , 57, 2893-2903	4.9	30
275	Fabrication of electromagnetic crystals by extrusion freeforming. <i>Metamaterials</i> , 2008 , 2, 36-44		29
274	Characterization of In-Body Radio Channels for Wireless Implants. <i>IEEE Sensors Journal</i> , 2017 , 17, 1528-1537		28
273	On-Body Radio Channel Characterization and System-Level Modeling for Multiband OFDM Ultra-Wideband Body-Centric Wireless Network. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2010 ,	4.1	28
272	An accurate control of the surface wave using transformation optics. <i>Optics Express</i> , 2012 , 20, 9341-50	3.3	28
271	Wideband Beam-Steerable Flat Reflectors via Transformation Optics. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2011 , 10, 1290-1294	3.8	26
270	FDTD analysis of the optical black hole. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2010 , 27, 2020	1.7	26
269	Surface Wave Transformation Lens Antennas. <i>IEEE Transactions on Antennas and Propagation</i> , 2014 , 62, 973-977	4.9	25
268	Microwave characterization of vertically aligned multiwalled carbon nanotube arrays. <i>Applied Physics Letters</i> , 2011 , 98, 203105	3.4	25

267	Accurate modelling of left-handed metamaterials using a finite-difference time-domain method with spatial averaging at the boundaries. <i>Journal of Optics</i> , 2007 , 9, S468-S475		25
266	Magnification of subwavelength field distributions using a tapered array of metallic wires with planar interfaces and an embedded dielectric phase compensator. <i>New Journal of Physics</i> , 2010 , 12, 103045	2.9	24
265	A Coordinate Transformation-Based Broadband Flat Lens via Microstrip Array. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2011 , 10, 99-102	3.8	24
264	Full-wave parallel dispersive finite-difference time-domain modeling of three-dimensional electromagnetic cloaking structures. <i>Journal of Computational Physics</i> , 2009 , 228, 7300-7312	4.1	24
263	Manipulating the loss in electromagnetic cloaks for perfect wave absorption. <i>Optics Express</i> , 2009 , 17, 8467-75	3.3	24
262	Radio frequency controlled wireless drug delivery devices. <i>Applied Physics Reviews</i> , 2019 , 6, 041301	17.3	23
261	Comparison of frequency responses of cloaking devices under nonmonochromatic illumination. <i>Physical Review B</i> , 2011 , 84,	3.3	23
260	Buried Object Sensing Considering Curved Pipeline. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 16, 2771-2775	3.8	22
259	Stability of active magnetoinductive metamaterials. <i>Journal of Applied Physics</i> , 2010 , 108, 054904	2.5	22
258	. <i>IEEE Transactions on Antennas and Propagation</i> , 2009 , 57, 834-836	4.9	22
257	Accurate modeling of the optical properties of left-handed media using a finite-difference time-domain method. <i>Physical Review E</i> , 2007 , 75, 037602	2.4	22
256	A Distributed Event-Triggered Control Strategy for DC Microgrids Based on Publish-Subscribe Model Over Industrial Wireless Sensor Networks. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 4323-4337	10.7	22
255	Fine lattice structures fabricated by extrusion freeforming: Process variables. <i>Journal of Materials Processing Technology</i> , 2009 , 209, 4654-4661	5.3	21
254	FDTD Characterization of UWB Indoor Radio Channel Including Frequency Dependent Antenna Directivities. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2007 , 6, 191-194	3.8	21
253	Topology optimized all-dielectric cloak: design, performances and modal picture of the invisibility effect. <i>Optics Express</i> , 2015 , 23, 23551-60	3.3	20
252	Analytical model for the transmission of electromagnetic waves through arrays of slits in perfect conductors and lossy metal screens. <i>Journal of Applied Physics</i> , 2011 , 109, 103107	2.5	20
251	Enhancement of evanescent spatial harmonics inside media with extreme optical anisotropy. <i>Optics Letters</i> , 2009 , 34, 527-9	3	20
250	EXPERIMENTAL INVESTIGATION OF ULTRA WIDEBAND DIVERSITY TECHNIQUES FOR ON-BODY RADIO COMMUNICATIONS. <i>Progress in Electromagnetics Research C</i> , 2013 , 34, 165-181	0.9	19

249	Arm movements effect on ultra wideband on-body propagation channels and radio systems 2009 ,		19
248	Modelling of Wave Propagation in Wire Media Using Spatially Dispersive Finite-Difference Time-Domain Method: Numerical Aspects. <i>IEEE Transactions on Antennas and Propagation</i> , 2007 , 55, 1506-1513 ¹⁹	4.9	19
247	Design and experimental demonstration of Doppler cloak from spatiotemporally modulated metamaterials based on rotational Doppler effect. <i>Optics Express</i> , 2020 , 28, 3745-3755	3.3	19
246	Flexible millimetre-wave frequency reconfigurable antenna for wearable applications in 5G networks 2016 ,		19
245	Influence Analysis of Typical Objects in Rural Railway Environments at 28 GHz. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 2066-2076	6.8	18
244	Dispersive cylindrical cloaks under nonmonochromatic illumination. <i>Physical Review E</i> , 2010 , 81, 016611	2.4	18
243	Antennas and propagation for body centric wireless communications		18
242	Cavity control of active integrated antenna oscillators. <i>IET Microwaves Antennas and Propagation</i> , 2001 , 148, 15		18
241	Effective media properties of hyperuniform disordered composite materials. <i>PLoS ONE</i> , 2017 , 12, e0185921	3.7	17
240	. <i>IEEE Access</i> , 2018 , 6, 51119-51129	3.5	17
239	Experimental characterisation of ultra-wideband off-body radio channels considering antenna effects. <i>IET Microwaves, Antennas and Propagation</i> , 2013 , 7, 370-380	1.6	17
238	Subwavelength internal imaging by means of a wire medium. <i>Journal of Optics</i> , 2009 , 11, 075101		17
237	Directive millimetre-wave antenna based on freeformed woodpile EBG structure. <i>Electronics Letters</i> , 2007 , 43, 195	1.1	17
236	Spatially dispersive finite-difference time-domain analysis of sub-wavelength imaging by the wire medium slabs. <i>Optics Express</i> , 2006 , 14, 5154-67	3.3	17
235	Surface Plasmonic Feature Microwave Sensor With Highly Confined Fields for Aqueous-Glucose and Blood-Glucose Measurements. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 70, 1-9	5.2	17
234	Design of Broadband Non-Foster Circuits Based on Resonant Tunneling Diodes. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2016 , 15, 1398-1401	3.8	16
233	. <i>IEEE Transactions on Antennas and Propagation</i> , 2013 , 61, 5744-5753	4.9	16
232	Design of a MIMO Antenna With High Isolation for Smartwatch Applications Using the Theory of Characteristic Modes. <i>IEEE Transactions on Antennas and Propagation</i> , 2019 , 67, 1437-1447	4.9	16

231	On the performance of compressed sensing-based methods for millimeter-wave holographic imaging. <i>Applied Optics</i> , 2016 , 55, 728-38	0.2	15
230	A Wide-angle Multi-Octave Broadband Waveplate Based on Field Transformation Approach. <i>Scientific Reports</i> , 2015 , 5, 17532	4.9	15
229	In-vivo characterisation and numerical analysis of the THz radio channel for nanoscale body-centric wireless networks 2013 ,		15
228	The importance of Fabry-Pérot resonance and the role of shielding in subwavelength imaging performance of multiwire endoscopes. <i>Applied Physics Letters</i> , 2009 , 94, 031104	3.4	15
227	Fabrication of Millimeter-Wave Electromagnetic Bandgap Crystals Using Microwave Dielectric Powders. <i>Journal of the American Ceramic Society</i> , 2009 , 92, 371-378	3.8	15
226	Radio channel models for UWB body-centric networks with compact planar antenna 2006 ,		15
225	Experimental demonstration of conformal phased array antenna via transformation optics. <i>Scientific Reports</i> , 2018 , 8, 3807	4.9	14
224	A coupling model for quasi-normal modes of photonic resonators. <i>Journal of Optics (United Kingdom)</i> , 2016 , 18, 115004	1.7	14
223	. <i>IEEE Transactions on Antennas and Propagation</i> , 2014 , 62, 5268-5281	4.9	14
222	AN ADVANCED UWB CHANNEL MODEL FOR BODY-CENTRIC WIRELESS NETWORKS. <i>Progress in Electromagnetics Research</i> , 2013 , 136, 79-99	3.8	14
221	An Efficient FDTD Algorithm Based on the Equivalence Principle for Analyzing Onbody Antenna Performance. <i>IEEE Transactions on Antennas and Propagation</i> , 2009 , 57, 1006-1014	4.9	14
220	Transparent electromagnetic shielding enclosure with CVD graphene. <i>Applied Physics Letters</i> , 2016 , 109, 103507	3.4	14
219	Experimental Characterization and Statistical Analysis of the Pseudo-Dynamic Ultrawideband On-Body Radio Channel. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2011 , 10, 748-751	3.8	13
218	Spatial Correlation Analysis of On-Body Radio Channels Considering Statistical Significance. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2011 , 10, 780-783	3.8	13
217	A broadband simplified free space cloak realized by nonmagnetic dielectric cylinders. <i>Frontiers of Physics in China</i> , 2010 , 5, 319-323		13
216	Compressive Millimeter-Wave Phased Array Imaging. <i>IEEE Access</i> , 2016 , 4, 9580-9588	3.5	13
215	Polar nano-clusters in nominally paraelectric ceramics demonstrating high microwave tunability for wireless communication. <i>Journal of the European Ceramic Society</i> , 2020 , 40, 3996-4003	6	12
214	Near-field characterization of chemical vapor deposition graphene in the microwave regime. <i>Applied Physics Letters</i> , 2013 , 102, 233104	3.4	12

213	Subwavelength optical imaging with an array of silver nanorods. <i>Journal of Nanophotonics</i> , 2011 , 5, 05160-1	1.2	12
212	Transformation of Different Kinds of Electromagnetic Waves Using Metamaterials. <i>Journal of Electromagnetic Waves and Applications</i> , 2009 , 23, 583-592	1.3	12
211	Radiation properties of PIFA on electromagnetic bandgap substrates. <i>Microwave and Optical Technology Letters</i> , 2005 , 44, 21-24	1.2	12
210	A Cluster-Based Channel Model for Massive MIMO Communications in Indoor Hotspot Scenarios. <i>IEEE Transactions on Wireless Communications</i> , 2019 , 18, 3856-3870	9.6	11
209	Multibeam Graded Dielectric Lens Antenna From Multimaterial 3-D Printing. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 6832-6837	4.9	11
208	Beam steering performance of compressed Luneburg lens based on transformation optics. <i>Results in Physics</i> , 2018 , 9, 570-575	3.7	11
207	Mid-Infrared Reflect-Array Antenna With Beam Switching Enabled by Continuous Graphene Layer. <i>IEEE Photonics Technology Letters</i> , 2018 , 30, 748-751	2.2	11
206	Experimental Observation of Linear and Rotational Doppler Shifts from Several Designer Surfaces. <i>Scientific Reports</i> , 2019 , 9, 8971	4.9	11
205	Millimetre wave imaging system parameters at 95 GHz. <i>IET Microwaves, Antennas and Propagation</i> , 2011 , 5, 528	1.6	11
204	Periscope-like endoscope for transmission of a near field in the infrared range. <i>Optics Letters</i> , 2010 , 35, 142-4	3	11
203	Narrow-beam azimuthally omni-directional millimetre-wave antenna using freeformed cylindrical woodpile cavity. <i>IET Microwaves, Antennas and Propagation</i> , 2010 , 4, 1491	1.6	11
202	Use of conjugate dielectric and metamaterial slabs as radomes. <i>IET Microwaves, Antennas and Propagation</i> , 2007 , 1, 137	1.6	11
201	Dispersive FDTD characterisation of no phase-delay radio transmission over layered left-handed meta-materials structure. <i>IET Science, Measurement and Technology</i> , 2004 , 151, 403-406		11
200	Printable all-dielectric water-based absorber. <i>Scientific Reports</i> , 2018 , 8, 14490	4.9	11
199	Editorial Pathway to Impact With AWPL Publications. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 16, 1-3	3.8	10
198	Experimental demonstration of Luneburg lens based on hyperuniform disordered media. <i>Applied Physics Letters</i> , 2019 , 114, 053507	3.4	10
197	Tunable circular polarization selective surfaces for low-THz applications using patterned graphene. <i>Optics Express</i> , 2015 , 23, 7227-36	3.3	10
196	Ultra wideband antenna diversity characterisation for off-body communications in an indoor environment. <i>IET Microwaves, Antennas and Propagation</i> , 2014 , 8, 1161-1169	1.6	10

195	On-Body Channel Measurement Using Wireless Sensors. <i>IEEE Transactions on Antennas and Propagation</i> , 2012 , 60, 3397-3406	4.9	10
194	Design of a Carpet Cloak to Conceal an Antenna Located Underneath. <i>IEEE Transactions on Antennas and Propagation</i> , 2012 , 60, 4444-4449	4.9	10
193	Numerical analysis of the communication channel path loss at the THz band inside the fat tissue 2013 ,		10
192	System-level modelling of optimal ultra wideband body-centric wireless network 2009 ,		10
191	A Simulation Environment for Subject-Specific Radio Channel Modeling in Wireless Body Sensor Networks 2009 ,		10
190	A 31.5 GHz Patch Antenna Design for Medical Implants. <i>International Journal of Antennas and Propagation</i> , 2008 , 2008, 1-6	1.2	10
189	Image transmission with the subwavelength resolution in microwave, terahertz, and optical frequency bands. <i>Journal of Communications Technology and Electronics</i> , 2007 , 52, 1009-1022	0.5	10
188	A novel tapered slot CPW-fed antenna for ultra-wideband applications and its on/off-body performance 2007 ,		10
187	Antenna-beam shaping from offset defects in UC-EBG cavities. <i>Microwave and Optical Technology Letters</i> , 2004 , 43, 108-112	1.2	10
186	Compressive Sensing Radar Imaging With Convolutional Neural Networks. <i>IEEE Access</i> , 2020 , 8, 212917-212926	3.7	10
185	Wide-angle optical half-wave plate from the field transformation approach and form-birefringence theory. <i>Optics Express</i> , 2018 , 26, 20132-20144	3.3	9
184	Noise analysis of broadband active metamaterials with non-Foster loads. <i>Journal of Applied Physics</i> , 2013 , 113, 233905	2.5	9
183	Quantitative Analysis of the Subject-Specific On-Body Propagation Channel Based on Statistically Created Models. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2015 , 14, 398-401	3.8	9
182	Directive radiation from a diffuse Luneburg lens. <i>Optics Letters</i> , 2013 , 38, 392-4	3	9
181	Broadband extraordinary transmission in a single sub-wavelength aperture. <i>Optics Express</i> , 2010 , 18, 16946-54	3.3	9
180	Null steering of linear phased array antenna using genetic algorithm 2009 ,		9
179	Extrusion freeforming of millimeter wave electromagnetic bandgap (EBG) structures. <i>Rapid Prototyping Journal</i> , 2009 , 15, 42-51	3.8	9
178	Broadband High-Efficiency Ultrathin Metasurfaces With Simultaneous Independent Control of Transmission and Reflection Amplitudes and Phases. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2022 , 70, 254-263	4.1	9

177	Deep learning framework for subject-independent emotion detection using wireless signals. <i>PLoS ONE</i> , 2021 , 16, e0242946	3.7	9
176	Invisible surfaces enabled by the coalescence of anti-reflection and wavefront controllability in ultrathin metasurfaces. <i>Nature Communications</i> , 2021 , 12, 4523	17.4	9
175	A Generic Spiral MIMO Array Design Method for Short-Range UWB Imaging. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2020 , 19, 851-855	3.8	8
174	What's New About AWPL?. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2016 , 15, 1-3	3.8	8
173	Effects of non-flat interfaces in human skin tissues on the in-vivo Tera-Hertz communication channel. <i>Nano Communication Networks</i> , 2016 , 8, 16-24	2.9	8
172	. <i>IEEE Transactions on Wireless Communications</i> , 2019 , 18, 4902-4914	9.6	8
171	Quantitative Study of Two Experimental Demonstrations of a Carpet Cloak. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2013 , 12, 206-209	3.8	8
170	Experimental demonstration of broadband transmission through subwavelength aperture. <i>Applied Physics Letters</i> , 2010 , 97, 134105	3.4	8
169	Tailoring silver nanorod arrays for subwavelength imaging of arbitrary coherent sources. <i>Physical Review B</i> , 2010 , 82,	3.3	8
168	A Novel 3D Non-Stationary GBSM for 6G THz Ultra Massive MIMO Wireless Systems. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 1-1	6.8	8
167	A 3D Carpet Cloak with Non-Euclidean Metasurfaces. <i>Advanced Optical Materials</i> , 2020 , 8, 2000827	8.1	7
166	. <i>IEEE Access</i> , 2017 , 5, 18975-18986	3.5	7
165	MILLIMETER-WAVE OFFSET FRESNEL ZONE PLATE LENSES CHARACTERIZATION. <i>Progress in Electromagnetics Research C</i> , 2014 , 54, 125-131	0.9	7
164	Accurate modeling of high order spatial dispersion of wire medium. <i>Optics Express</i> , 2013 , 21, 29836-46	3.3	7
163	Dual band and dual mode antenna for power efficient body-centric wireless communications 2011 ,		7
162	Effect of unit-cell size on performance of composite right/left-handed transmission line based leaky-wave antenna. <i>Electronics Letters</i> , 2008 , 44, 788	1.1	7
161	A monolithic active conical horn antenna array for millimeter and submillimeter wave applications. <i>IEEE Transactions on Antennas and Propagation</i> , 2006 , 54, 1393-1398	4.9	7
160	FDTD Modeling of Nonlinear Phenomena in Wave Transmission Through Graphene. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018 , 17, 126-129	3.8	6

159	High-Impedance Surface Loaded With Graphene Non-Foster Circuits for Low-Profile Antennas. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 16, 2655-2658	3.8	6
158	Antennas and propagation for body-centric wireless communications: Current status, applications and future trend 2012 ,		6
157	Terahertz time-domain spectroscopy characterization of vertically aligned carbon nanotube films. <i>Carbon</i> , 2012 , 50, 939-942	10.4	6
156	Bandwidth evaluation of dispersive transformation electromagnetics based devices. <i>Applied Physics A: Materials Science and Processing</i> , 2011 , 103, 715-719	2.6	6
155	Numerical analysis of on-body channel for statistically-generated body shapes 2011 ,		6
154	Characterization of MB-OFDM-Based Ultrawideband Systems for Body-Centric Wireless Communications. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2011 , 10, 1401-1404	3.8	6
153	Time domain characterisation of ultra wideband wearable antennas and radio propagation for body-centric wireless networks in healthcare applications 2008 ,		6
152	Antennas for Wearable Devices 2007 , 197-229		6
151			6
150	An enhanced prediction of negative refraction from EBG-like structures. <i>Microwave and Optical Technology Letters</i> , 2004 , 41, 258-261	1.2	6
149	High Tunability and Low Loss in Layered Perovskite Dielectrics through Intrinsic Elimination of Oxygen Vacancies. <i>Chemistry of Materials</i> , 2020 , 32, 10120-10129	9.6	6
148	The 3D Spatial Non-Stationarity and Spherical Wavefront in Massive MIMO Channel Measurement 2018 ,		6
147	Optimized microwave illusion device. <i>Scientific Reports</i> , 2017 , 7, 3929	4.9	5
146	Broadband Frequency Scanning Spoof Surface Plasmon Polariton Design with Highly Confined Endfire Radiations. <i>Scientific Reports</i> , 2020 , 10, 113	4.9	5
145	Reverse recognition of body postures using on-body radio channel characteristics. <i>IET Microwaves, Antennas and Propagation</i> , 2017 , 11, 1212-1217	1.6	5
144	Evaluation of Propagation Characteristics Using the Human Body as an Antenna. <i>Sensors</i> , 2017 , 17,	3.8	5
143	Electrically small half-loop antenna design with non-foster matching networks 2012 ,		5
142	Performance of Ultrawideband Wireless Tags for On-Body Radio Channel Characterisation. <i>International Journal of Antennas and Propagation</i> , 2012 , 2012, 1-10	1.2	5

141	Compact Resonators for Permittivity Reconstruction of Biological Tissues 2011,		5
140	Ultra wideband antenna diversity techniques for on/off-body radio channel characterisation 2012,		5
139	Patch resonator for non-invasive detection of dielectric property changes in biological tissues 2012,		5
138	ADI-FDTD algorithm in curvilinear co-ordinates. <i>Electronics Letters</i> , 2005 , 41, 1259	1.1	5
137	Interactive human-machine learning framework for modelling of ferroelectric-dielectric composites. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 10352-10361	7.1	5
136	Hyperuniform disordered distribution metasurface for scattering reduction. <i>Applied Physics Letters</i> , 2021 , 118, 101601	3.4	5
135	Pervasive Wireless Channel Modeling Theory and Applications to 6G GBSMs for All Frequency Bands and All Scenarios. <i>IEEE Transactions on Vehicular Technology</i> , 2022 , 1-1	6.8	5
134	Radio telemetry performance of liver implanted ultra wideband antenna 2017,		4
133	Enhanced tunability in ferroelectric composites through local field enhancement and the effect of disorder. <i>Journal of Applied Physics</i> , 2019 , 126, 044102	2.5	4
132	Wearable wireless sensors for healthcare applications 2013,		4
131	Understanding and characterizing nanonetworks for healthcare monitoring applications 2014,		4
130	2012,		4
129	Analysis of on-body propagation at W band by using ray tracing model and measurements 2012,		4
128	A subject-specific radio propagation study in wireless body area networks 2009,		4
127	On-Body Antennas and Propagation: Recent Development. <i>IEICE Transactions on Communications</i> , 2008 , E91-B, 1682-1688	0.5	4
126	Dual-band operation of an electromagnetic band-gap patch antenna. <i>Microwave and Optical Technology Letters</i> , 2007 , 49, 2454-2458	1.2	4
125	Reduction of late time instabilities of the finite-difference time-domain method in curvilinear co-ordinates. <i>IET Science, Measurement and Technology</i> , 2002 , 149, 267-271		4
124	Negative-refraction phenomenon at multiple frequency bands from electromagnetic crystals. <i>Microwave and Optical Technology Letters</i> , 2005 , 45, 465-469	1.2	4

123	Modelling and Characterisation of a Compact Sensor Antenna for Healthcare Applications 2007 , 3-8		4
122	Analogical discovery of disordered perovskite oxides by crystal structure information hidden in unsupervised material fingerprints. <i>Npj Computational Materials</i> , 2021 , 7,	10.9	4
121	Analytical magnetic model applied to endoscopic robots design: A ready-to-use implementation and a case of study 2016 ,		4
120	Analytical Magnetic Model Towards Compact Design of Magnetically-Driven Capsule Robots. <i>IEEE Transactions on Medical Robotics and Bionics</i> , 2020 , 2, 188-195	3.1	3
119	A compensation strategy for accurate orientation of a tethered robotic capsule endoscope 2017 ,		3
118	Magnetically tunable graphene-based reflector under linear polarized incidence at room temperature. <i>Applied Physics Letters</i> , 2018 , 112, 151103	3.4	3
117	The role of computed tomography data in the design of a robotic magnetically-guided endoscopic platform. <i>Advanced Robotics</i> , 2018 , 32, 443-456	1.7	3
116	. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 7910-7923	6.8	3
115	Full-wave modeling of broadband near field scanning microwave microscopy. <i>Scientific Reports</i> , 2017 , 7, 16064	4.9	3
114	Dual-Circularly Polarized Patch Antenna Using Field Transformation Medium. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 1-1	3.8	3
113	Body area networks at radio frequencies: Creeping waves and antenna analysis. <i>Comptes Rendus Physique</i> , 2015 , 16, 789-801	1.4	3
112	Terahertz signal propagation analysis inside the human skin 2015 ,		3
111	Subwavelength image splitter with a metallic wire array. <i>Physical Review B</i> , 2010 , 82,	3.3	3
110	Recent development of Ultra Wideband body-centric wireless communications 2010 ,		3
109	Effect of human body movements on performance of multiband OFDM based ultra wideband wireless communication system 2010 ,		3
108	Off-Body Radio Channel Characterisation Using Ultra Wideband Wireless Tags 2010 ,		3
107	Sensing of dielectric property alterations in biological tissues at microwave frequencies 2011 ,		3
106	Radio Channel Characterisation and OFDM-based Ultra Wideband System Modelling for Body-Centric Wireless Networks 2011 ,		3

105	Cylindrical EBG antenna for short range gigabit wireless communications at millimetre-wave bands. <i>Electronics Letters</i> , 2009 , 45, 136	1.1	3
104	Diversity antenna techniques for enhanced ultra wideband body-centric communications 2011 ,		3
103	Characterization and modelling of Ultra Wideband radio links for optimum performance of body area network in health care applications 2011 ,		3
102	A numerical assesment of the effect of MRI surface coils on implanted pacemakers 2012 ,		3
101	Flat collimating lenses based on quasi-conformal transformation electromagnetics 2012 ,		3
100	Ultra wideband off-body radio channel characterisation and modelling for healthcare applications 2012 ,		3
99	2008 ,		3
98	Electrically Small Antennas with Dielectric, Magneto-Dielectric and Metamaterial Loading 2007 ,		3
97	Composite Luneburg lens based on dielectric or plasmonic scatterers. <i>Optics Express</i> , 2019 , 27, 10946-10960	3.6	3
96	A Subject-Specificity Analysis of Radio Channels in Wireless Body Area Networks. <i>Engineering Journal</i> , 2011 , 15, 39-48	1.8	3
95	Cooperative and Low-Power Wireless Sensor Network for Efficient Body-Centric Communications in Healthcare Applications. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2013 , 351-360	0.2	3
94	Modelling of propagation and interaction between body-mounted antennas, and the modelling of body-centric, context aware application scenarios 2009 ,		3
93	Graphene-based tunable non-foster circuit for VHF applications. <i>AIP Advances</i> , 2016 , 6, 065202	1.5	3
92	Wave propagation in reconfigurable broadband gain metamaterials at microwave frequencies. <i>Journal of Applied Physics</i> , 2016 , 119, 194904	2.5	3
91	Design of a wideband antenna by manipulating characteristic modes of a metallic loop. <i>Microwave and Optical Technology Letters</i> , 2019 , 61, 513-518	1.2	3
90	Extraordinary Directive Emission and Scanning from an Array of Radiation Sources with Hyperuniform Disorder. <i>Physical Review Applied</i> , 2021 , 15,	4.3	3
89	Wireless telemetry performance of transplanted organ monitoring at ultra wideband range considering respiration-induced organ movement 2017 ,		2
88	2016 ,		2

87	2016,		2
86	Accurate modelling of graphene field effect transistor for wireless communications 2016,		2
85	Compressive sensing applied to fingerprint-based localisation 2014,		2
84	Beam-Steering Performance of Flat Luneburg Lens at 60 GHz for Future Wireless Communications. <i>International Journal of Antennas and Propagation</i> , 2017 , 2017, 1-8	1.2	2
83	AWPL Status Update. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2015 , 14, 1-3	3.8	2
82	Characterising skin-based nano-networks for healthcare monitoring applications at THz 2015,		2
81	Introduction to the New AWPL Editorial Board. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2014 , 13, 1-2	3.8	2
80	Compression of a pyramidal absorber using multiple discrete coordinate transformation. <i>Optics Express</i> , 2014 , 22, 9033-47	3.3	2
79	Electrically coupled tapered slot ultra wideband antenna with tunable notch. <i>Microwave and Optical Technology Letters</i> , 2011 , 53, 1558-1561	1.2	2
78	Investigation of body shape variations effect on the Ultra-Wideband on-body radio propagation channel 2011,		2
77	Fabrication and evaluation of solid freeformed electromagnetic bandgap structures. <i>Journal Physics D: Applied Physics</i> , 2009 , 42, 145107	3	2
76	Statistical analysis of small-scale channel parameters for ultra wideband radio channels in body-centric wireless networks 2011,		2
75	Wearable Antennas for Body Area Networks 2010 , 183-214		2
74	IEEE 802.11a Data Over Fiber Transmission Using Electromagnetic Bandgap Photonic Antenna With Integrated Asymmetric Fabry-Pérot Modulator/Detector. <i>Journal of Lightwave Technology</i> , 2008 , 26, 2671-2678	4	2
73	Figure-of-Merit Analysis of Resonant Particles for Construction of Practical Metamaterials. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2008 , 7, 167-170	3.8	2
72	Mushroom-Like High-Impedance Surface (HIS) with Slanted VIAS 2007,		2
71	On-body propagation loss estimation using method of equivalent sources. <i>Electronics Letters</i> , 2006 , 42, 506	1.1	2
70	Statistical and deterministic modelling of radio propagation channels in WBAN at 2.45GHz 2006,		2

69	Applications of Electromagnetic Bandgap (EBG) Structures for Novel Communication Antenna Designs 2006 ,		2
68	On-body characterisation of a compact planar UWB antenna 2006 ,		2
67	A compact microstrip antenna with improved bandwidth using Complementary Split-Ring Resonator (CSRR) loading 2007 ,		2
66	Stable non-orthogonal FDTD method. <i>Electronics Letters</i> , 2004 , 40, 850	1.1	2
65	Antenna Classification Using Gaussian Mixture Models (GMM) and Machine Learning. <i>IEEE Open Journal of Antennas and Propagation</i> , 2020 , 1, 320-328	1.9	2
64	Low-Profile Beam Steerable Patch Array With SIW Feeding Network. <i>IEEE Access</i> , 2020 , 8, 164178-164186	6.5	2
63	Multi-Material 3D Printed Compressed Luneburg Lens for mm-Wave Beam Steering. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021 , 1-1	3.8	2
62	Optimal Observer Synthesis for Microgrids With Adaptive Send-on-Delta Sampling Over IoT Communication Networks. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 11318-11327	8.9	2
61	Channel modelling of human tissues at terahertz band 2016 ,		1
60	Spatial transformations: from fundamentals to applications. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2015 , 373,	3	1
59	Wireless Energy Behaviour monitoring (Wi-be) for office buildings. <i>International Journal of Low-Carbon Technologies</i> , 2015 , ctv031	2.8	1
58	2015 ,		1
57	QCTO lens design for conformal phased array antenna 2015 ,		1
56	A patch resonator for sensing blood glucose changes 2014 ,		1
55	Wearable Sensors. <i>Springer Series on Chemical Sensors and Biosensors</i> , 2012 , 95-125	2	1
54	Noise power in active broadband metamaterials 2013 ,		1
53	Radio propagation channel characterisation using ultra wideband wireless tags for body-centric wireless networks in indoor environment 2011 ,		1
52	. <i>Digest / IEEE Antennas and Propagation Society International Symposium</i> , 2009 ,		1

51	Properties and applications of periodic dielectric particles as tunable-index materials 2009 ,		1
50	Optimized Query Terms Creation Based on Meta-Search and Clustering 2008 ,		1
49	Time domain UWB radio channel characterisation for body-centric wireless communications in indoor environment 2008 ,		1
48	Sub-wavelength Microwave Imaging by a Slab of Wire Medium 2006 ,		1
47	Sub-wavelength imaging by a wire medium slab: experiment 2007 ,		1
46	From electromagnetic bandgap to left-handed metamaterials: Modelling and applications. <i>Journal of Zhejiang University: Science A</i> , 2006 , 7, 34-40	2.1	1
45	A monolithic active conical horn antenna arrays for millimeter and sub-millimeter wave applications 2004 ,		1
44	Fast array analysis using a combination of FDTD and matrix manipulation techniques. <i>IET Microwaves Antennas and Propagation</i> , 2005 , 152, 260		1
43	EXPERIMENTAL ASSESSMENT OF INTACT COLON DEFORMATION UNDER LOCAL FORCES APPLIED BY MAGNETIC CAPSULE ENDOSCOPES. <i>Journal of Mechanics in Medicine and Biology</i> , 2020 , 20, 2050041	0.7	1
42	Field transformation-based multifunctional and wide-angle polariser for antenna polarisation characteristics manipulation. <i>IET Microwaves, Antennas and Propagation</i> , 2019 , 13, 1450-1456	1.6	1
41	Identifying Physiological Features from the Radio Propagation Signal of Low-Power Wireless Sensors. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2013 , 341-350	0.2	1
40	Path Loss Characterization in a Body-Centric Scenario at 94GHz. <i>IEICE Transactions on Communications</i> , 2013 , E96.B, 2448-2454	0.5	1
39	Photometric Stereo-Based Depth Map Reconstruction for Monocular Capsule Endoscopy. <i>Sensors</i> , 2020 , 20,	3.8	1
38	Wireless Drug Delivery Devices 2021 , 319-344		1
37	Endoluminal Motion Recognition of a Magnetically-Guided Capsule Endoscope Based on Capsule-Tissue Interaction Force. <i>Sensors</i> , 2021 , 21,	3.8	1
36	High frequency meta-ferroelectrics by inverse design. <i>Optical Materials Express</i> , 2021 , 11, 1457	2.6	1
35	Homogenization of composites using full-wave point-dipole model. <i>EPJ Applied Metamaterials</i> , 2016 , 3, 6	0.8	1
34	Measurement-Based Massive MIMO Channel Characterization in Lobby Environment at 11 GHz 2018 ,		1

33	Luneburg Lens from Hyperuniform Disordered Composite Materials 2018 ,		1
32	Directional Analysis of Massive MIMO Channels at 11 GHz in Theater Environment 2018 ,		1
31	Channel Characterization for Massive MIMO in Subway Station Environment at 6 GHz and 11 GHz 2018 ,		1
30	Light source position calibration method for photometric stereo in capsule endoscopy. <i>Advanced Robotics</i> , 2020 , 34, 789-801	1.7	0
29	Focusing of waves at low microwave frequencies using metallic wire media. <i>Microwave and Optical Technology Letters</i> , 2006 , 48, 133-138	1.2	0
28	Efficient determination of Q factor by structured nonorthogonal FDTD method. <i>Electronics Letters</i> , 1998 , 34, 1834	1.1	0
27	U-slot patch antenna with low RCS based on a metaferrite substrate. <i>EPJ Applied Metamaterials</i> , 2019 , 6, 20	0.8	0
26	Depth Estimation for Local Colon Structure in Monocular Capsule Endoscopy Based on Brightness and Camera Motion. <i>Robotica</i> , 2021 , 39, 334-345	2.1	0
25	Formula Graph Self-Attention Network for Representation-Domain Independent Materials Discovery.. <i>Advanced Science</i> , 2022 , e2200164	13.6	0
24	Remembering Peter Clarricoats [In Memoriam]. <i>IEEE Antennas and Propagation Magazine</i> , 2020 , 62, 126-126		
23	Plan System and Emergency Disposal of Videoconference System. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 274, 012155	0.4	
22	Characterization of Vertically Aligned Multiwall Carbon Nanotube Arrays Based on Multiconductor Transmission Line Model. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2014 , 13, 1353-1356	3.8	
21	Wearable Health Care System Paradigm 2014 , 505-524		
20	Risks posed by obesity to body-surface narrowband wireless communication. <i>Science Bulletin</i> , 2014 , 59, 3949-3954		
19	FDTD Modelling of Transformation Electromagnetics Based Devices 2014 , 487-515		
18	Transformation Electromagnetics Design of All-Dielectric Antennas 2014 , 191-219		
17	Corrections to Design of a Carpet Cloak to Conceal an Antenna Located Underneath [Sept 12 4444-4449]. <i>IEEE Transactions on Antennas and Propagation</i> , 2013 , 61, 2884-2884	4.9	
16	Cross-polar component suppression of interdigital-capacitor and stub-inductor-based leaky-wave antenna. <i>Electronics Letters</i> , 2009 , 45, 4	1.1	

- 15 Extrusion freeforming of millimeter-wave electromagnetic bandgap (ebg) photonic crystals. *Tsinghua Science and Technology*, **2009**, 14, 168-174 3-4
- 14 A metamaterial-scanning near-field optical microscope. *Microwave and Optical Technology Letters*, **2006**, 48, 587-590 1.2
- 13 Antenna Design and Propagation Measurements and Modelling for UWB Wireless BAN **2006**, 331-359
- 12 On the design of millimetre wave EBG resonator antenna based on woodpile structure **2006**, 149
- 11 Optimization and experimental validation of a bi-focal lens in the microwave domain. *AIP Advances*, **2022**, 12, 025103 1.5
- 10 Ultrashort pulse synthesis for energy concentration control in nanostructures. *Optics Express*, **2018**, 26, 25188-25198 3-3
- 9 Noise figure of electromagnetic systems with parity and time-reversal symmetry. *Optics Express*, **2019**, 27, 31363-31375 3-3
- 8 Finite-Difference Time-Domain Modeling of Electromagnetic Cloaks **2010**, 115-153
- 7 Recent Advances in Practical Metamaterial Engineering. *Additional Conferences (Device Packaging HiTEC HiTEN & CICMT)*, **2012**, 2012, 000113-000116 0.1
- 6 Antenna Diversity Techniques for Enhanced Ultra-Wideband Body-Centric Wireless Networks in Healthcare **2014**, 153-175
- 5 Exploring Physiological Features from on-Body Radio Channels **2016**, 447-470
- 4 A Finite Element Model Order Reduction Technique for Multiscale Electromagnetic Problems. *IEEE Journal on Multiscale and Multiphysics Computational Techniques*, **2018**, 3, 140-148 1.5
- 3 Corrections to Design of a Wideband Antenna With Stable Omnidirectional Radiation Pattern Using the Theory of Characteristic Modes [May 17 2671-2676]. *IEEE Transactions on Antennas and Propagation*, **2018**, 66, 4387-4387 4.9
- 2 The Dawn of Metamaterial Engineering Predicted via Hyperdimensional Keyword Pool and Memory Learning. *Advanced Optical Materials*, 2102444 8.1
- 1 The Dawn of Metamaterial Engineering Predicted via Hyperdimensional Keyword Pool and Memory Learning (Advanced Optical Materials 8/2022). *Advanced Optical Materials*, **2022**, 10, 2270030 8.1