Yang Hao

List of Publications by Year in Descending Order

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	Broadband High-Efficiency Ultrathin Metasurfaces With Simultaneous Independent Control of Transmission and Reflection Amplitudes and Phases. *IEEE Transactions on Microwave Theory and Techniques*, **2022**, 70, 254-263	4.1	9
337	Optimization and experimental validation of a bi-focal lens in the microwave domain. *AIP Advances*, **2022**, 12, 025103	1.5	
336	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	
335	Formula Graph Self-Attention Network for Representation-Domain Independent Materials Discovery.. *Advanced Science*, **2022**, e2200164	13.6	0
334	Pervasive Wireless Channel Modeling Theory and Applications to 6G GBSMs for All Frequency Bands and All Scenarios. *IEEE Transactions on Vehicular Technology*, **2022**, 1-1	6.8	5
333	Hyperuniform disordered distribution metasurface for scattering reduction. *Applied Physics Letters*, **2021**, 118, 101601	3.4	5
332	Wireless Drug Delivery Devices **2021**, 319-344		1
331	Endoluminal Motion Recognition of a Magnetically-Guided Capsule Endoscope Based on Capsule-Tissue Interaction Force. *Sensors*, **2021**, 21,	3.8	1
330	High frequency meta-ferroelectrics by inverse design. *Optical Materials Express*, **2021**, 11, 1457	2.6	1
329	Analogical discovery of disordered perovskite oxides by crystal structure information hidden in unsupervised material fingerprints. *Npj Computational Materials*, **2021**, 7,	10.9	4
328	Depth Estimation for Local Colon Structure in Monocular Capsule Endoscopy Based on Brightness and Camera Motion. *Robotica*, **2021**, 39, 334-345	2.1	0
327	Surface Plasmonic Feature Microwave Sensor With Highly Confined Fields for Aqueous-Glucose and Blood-Glucose Measurements. *IEEE Transactions on Instrumentation and Measurement*, **2021**, 70, 1-9	5.2	17
326	Multi-Material 3D Printed Compressed Luneburg Lens for mm-Wave Beam Steering. *IEEE Antennas and Wireless Propagation Letters*, **2021**, 1-1	3.8	2
325	Extraordinary Directive Emission and Scanning from an Array of Radiation Sources with Hyperuniform Disorder. *Physical Review Applied*, **2021**, 15,	4.3	3
324	Deep learning framework for subject-independent emotion detection using wireless signals. *PLoS ONE*, **2021**, 16, e0242946	3.7	9
323	Invisible surfaces enabled by the coalescence of anti-reflection and wavefront controllability in ultrathin metasurfaces. *Nature Communications*, **2021**, 12, 4523	17.4	9
322	Optimal Observer Synthesis for Microgrids With Adaptive Send-on-Delta Sampling Over IoT Communication Networks. *IEEE Transactions on Industrial Electronics*, **2021**, 68, 11318-11327	8.9	2

321	A Novel 3D Non-Stationary GBSM for 6G THz Ultra Massive MIMO Wireless Systems. *IEEE Transactions on Vehicular Technology*, **2021**, 1-1	6.8	8
320	STAR: Simultaneous Transmission and Reflection for 360° Coverage by Intelligent Surfaces. *IEEE Wireless Communications*, **2021**, 28, 102-109	13.4	51
319	Multibeam Graded Dielectric Lens Antenna From Multimaterial 3-D Printing. *IEEE Transactions on Antennas and Propagation*, **2020**, 68, 6832-6837	4.9	11
318	Remembering Peter Clarricoats [In Memoriam]. *IEEE Antennas and Propagation Magazine*, **2020**, 62, 126-126	1.7	
317	A 3D Carpet Cloak with Non-Euclidean Metasurfaces. *Advanced Optical Materials*, **2020**, 8, 2000827	8.1	7
316	Broadband Frequency Scanning Spoof Surface Plasmon Polariton Design with Highly Confined Endfire Radiations. *Scientific Reports*, **2020**, 10, 113	4.9	5
315	Light source position calibration method for photometric stereo in capsule endoscopy. *Advanced Robotics*, **2020**, 34, 789-801	1.7	0
314	A Generic Spiral MIMO Array Design Method for Short-Range UWB Imaging. *IEEE Antennas and Wireless Propagation Letters*, **2020**, 19, 851-855	3.8	8
313	Polar nano-clusters in nominally paraelectric ceramics demonstrating high microwave tunability for wireless communication. *Journal of the European Ceramic Society*, **2020**, 40, 3996-4003	6	12
312	Analytical Magnetic Model Towards Compact Design of Magnetically-Driven Capsule Robots. *IEEE Transactions on Medical Robotics and Bionics*, **2020**, 2, 188-195	3.1	3
311	EXPERIMENTAL ASSESSMENT OF INTACT COLON DEFORMATION UNDER LOCAL FORCES APPLIED BY MAGNETIC CAPSULE ENDOSCOPES. *Journal of Mechanics in Medicine and Biology*, **2020**, 20, 2050041	0.7	1
310	Design and experimental demonstration of Doppler cloak from spatiotemporally modulated metamaterials based on rotational Doppler effect. *Optics Express*, **2020**, 28, 3745-3755	3.3	19
309	Antenna Classification Using Gaussian Mixture Models (GMM) and Machine Learning. *IEEE Open Journal of Antennas and Propagation*, **2020**, 1, 320-328	1.9	2
308	High Tunability and Low Loss in Layered Perovskite Dielectrics through Intrinsic Elimination of Oxygen Vacancies. *Chemistry of Materials*, **2020**, 32, 10120-10129	9.6	6
307	Interactive human□machine learning framework for modelling of ferroelectric□dielectric composites. *Journal of Materials Chemistry C*, **2020**, 8, 10352-10361	7.1	5
306	Photometric Stereo-Based Depth Map Reconstruction for Monocular Capsule Endoscopy. *Sensors*, **2020**, 20,	3.8	1
305	Low-Profile Beam Steerable Patch Array With SIW Feeding Network. *IEEE Access*, **2020**, 8, 164178-164186	3.5	2
304	. *IEEE Vehicular Technology Magazine*, **2020**, 15, 22-32	9.9	83

303	Compressive Sensing Radar Imaging With Convolutional Neural Networks. *IEEE Access*, **2020**, 8, 212917-212926	3.5	10
302	Radio-Frequency and Microwave Techniques for Non-Invasive Measurement of Blood Glucose Levels. *Diagnostics*, **2019**, 9,	3.8	51
301	A Cluster-Based Channel Model for Massive MIMO Communications in Indoor Hotspot Scenarios. *IEEE Transactions on Wireless Communications*, **2019**, 18, 3856-3870	9.6	11
300	Experimental demonstration of Luneburg lens based on hyperuniform disordered media. *Applied Physics Letters*, **2019**, 114, 053507	3.4	10
299	Influence Analysis of Typical Objects in Rural Railway Environments at 28 GHz. *IEEE Transactions on Vehicular Technology*, **2019**, 68, 2066-2076	6.8	18
298	. *IEEE Transactions on Wireless Communications*, **2019**, 18, 4902-4914	9.6	8
297	Enhanced tunability in ferroelectric composites through local field enhancement and the effect of disorder. *Journal of Applied Physics*, **2019**, 126, 044102	2.5	4
296	Experimental Observation of Linear and Rotational Doppler Shifts from Several Designer Surfaces. *Scientific Reports*, **2019**, 9, 8971	4.9	11
295	Radio frequency controlled wireless drug delivery devices. *Applied Physics Reviews*, **2019**, 6, 041301	17.3	23
294	Composite Luneburg lens based on dielectric or plasmonic scatterers. *Optics Express*, **2019**, 27, 10946-10960	3.3	3
293	Field transformation-based multifunctional and wide-angle polariser for antenna polarisation characteristics manipulation. *IET Microwaves, Antennas and Propagation*, **2019**, 13, 1450-1456	1.6	1
292	Noise figure of electromagnetic systems with parity and time-reversal symmetry. *Optics Express*, **2019**, 27, 31363-31375	3.3	
291	Curvilinear MetaSurfaces for Surface Wave Manipulation. *Scientific Reports*, **2019**, 9, 3107	4.9	60
290	U-slot patch antenna with low RCS based on a metaferrite substrate. *EPJ Applied Metamaterials*, **2019**, 6, 20	0.8	0
289	A Distributed Event-Triggered Control Strategy for DC Microgrids Based on Publish-Subscribe Model Over Industrial Wireless Sensor Networks. *IEEE Transactions on Smart Grid*, **2019**, 10, 4323-4337	10.7	22
288	Design of a wideband antenna by manipulating characteristic modes of a metallic loop. *Microwave and Optical Technology Letters*, **2019**, 61, 513-518	1.2	3
287	Design of a MIMO Antenna With High Isolation for Smartwatch Applications Using the Theory of Characteristic Modes. *IEEE Transactions on Antennas and Propagation*, **2019**, 67, 1437-1447	4.9	16
286	Magnetically tunable graphene-based reflector under linear polarized incidence at room temperature. *Applied Physics Letters*, **2018**, 112, 151103	3.4	3

285	The role of computed tomography data in the design of a robotic magnetically-guided endoscopic platform. *Advanced Robotics*, **2018**, 32, 443-456	1.7	3
284	A Compact and Low-Profile MIMO Antenna Using a Miniature Circular High-Impedance Surface for Wearable Applications. *IEEE Transactions on Antennas and Propagation*, **2018**, 66, 96-104	4.9	53
283	FDTD Modeling of Nonlinear Phenomena in Wave Transmission Through Graphene. *IEEE Antennas and Wireless Propagation Letters*, **2018**, 17, 126-129	3.8	6
282	Beam steering performance of compressed Luneburg lens based on transformation optics. *Results in Physics*, **2018**, 9, 570-575	3.7	11
281	Magnetically-driven medical robots: An analytical magnetic model for endoscopic capsules design. *Journal of Magnetism and Magnetic Materials*, **2018**, 452, 278-287	2.8	30
280	Experimental demonstration of conformal phased array antenna via transformation optics. *Scientific Reports*, **2018**, 8, 3807	4.9	14
279	Mid-Infrared Reflect-Array Antenna With Beam Switching Enabled by Continuous Graphene Layer. *IEEE Photonics Technology Letters*, **2018**, 30, 748-751	2.2	11
278	. *IEEE Access*, **2018**, 6, 51119-51129	3.5	17
277	Wide-angle optical half-wave plate from the field transformation approach and form-birefringence theory. *Optics Express*, **2018**, 26, 20132-20144	3.3	9
276	. *IEEE Transactions on Vehicular Technology*, **2018**, 67, 7910-7923	6.8	3
275	Ultrashort pulse synthesis for energy concentration control in nanostructures. *Optics Express*, **2018**, 26, 25188-25198	3.3	
274	Measurement-Based Massive MIMO Channel Characterization in Lobby Environment at 11 GHz **2018**,		1
273	Luneburg Lens from Hyperuniform Disordered Composite Materials **2018**,		1
272	Directional Analysis of Massive MIMO Channels at 11 GHz in Theater Environment **2018**,		1
271	Channel Characterization for Massive MIMO in Subway Station Environment at 6 GHz and 11 GHz **2018**,		1
270	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	
269	The 3D Spatial Non-Stationarity and Spherical Wavefront in Massive MIMO Channel Measurement **2018**,		6
268	Printable all-dielectric water-based absorber. *Scientific Reports*, **2018**, 8, 14490	4.9	11

267	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	
266	Roadmap on transformation optics. *Journal of Optics (United Kingdom)*, **2018**, 20, 063001	1.7	40
265	. *IEEE Transactions on Antennas and Propagation*, **2017**, 65, 2671-2676	4.9	42
264	Radio telemetry performance of liver implanted ultra wideband antenna **2017**,		4
263	Optimized microwave illusion device. *Scientific Reports*, **2017**, 7, 3929	4.9	5
262	Editorial Pathway to Impact With AWPL Publications. *IEEE Antennas and Wireless Propagation Letters*, **2017**, 16, 1-3	3.8	10
261	Characterization of In-Body Radio Channels for Wireless Implants. *IEEE Sensors Journal*, **2017**, 17, 1528-1537	3.1	28
260	Effective media properties of hyperuniform disordered composite materials. *PLoS ONE*, **2017**, 12, e0185921	3.7	17
259	Wireless telemetry performance of transplanted organ monitoring at ultra wideband range considering respiration-induced organ movement **2017**,		2
258	Buried Object Sensing Considering Curved Pipeline. *IEEE Antennas and Wireless Propagation Letters*, **2017**, 16, 2771-2775	3.8	22
257	A compensation strategy for accurate orientation of a tethered robotic capsule endoscope **2017**,		3
256	Plan System and Emergency Disposal of Videoconference System. *IOP Conference Series: Materials Science and Engineering*, **2017**, 274, 012155	0.4	
255	High-Impedance Surface Loaded With Graphene Non-Foster Circuits for Low-Profile Antennas. *IEEE Antennas and Wireless Propagation Letters*, **2017**, 16, 2655-2658	3.8	6
254	Modeling and design for electromagnetic surface wave devices. *Radio Science*, **2017**, 52, 1049-1057	1.4	38
253	Full-wave modeling of broadband near field scanning microwave microscopy. *Scientific Reports*, **2017**, 7, 16064	4.9	3
252	Dual-Circularly Polarized Patch Antenna Using Field Transformation Medium. *IEEE Antennas and Wireless Propagation Letters*, **2017**, 1-1	3.8	3
251	. *IEEE Access*, **2017**, 5, 18975-18986	3.5	7
250	Reverse recognition of body postures using on-body radio channel characteristics. *IET Microwaves, Antennas and Propagation*, **2017**, 11, 1212-1217	1.6	5

249	Evaluation of Propagation Characteristics Using the Human Body as an Antenna. *Sensors*, **2017**, 17,	3.8	5
248	Beam-Steering Performance of Flat Luneburg Lens at 60 GHz for Future Wireless Communications. *International Journal of Antennas and Propagation*, **2017**, 2017, 1-8	1.2	2
247	**2016**,		2
246	Channel modelling of human tissues at terahertz band **2016**,		1
245	**2016**,		2
244	A coupling model for quasi-normal modes of photonic resonators. *Journal of Optics (United Kingdom)*, **2016**, 18, 115004	1.7	14
243	Accurate modelling of graphene field effect transistor for wireless communications **2016**,		2
242	On the performance of compressed sensing-based methods for millimeter-wave holographic imaging. *Applied Optics*, **2016**, 55, 728-38	0.2	15
241	An Active Wideband and Wide-Angle Electromagnetic Absorber at Microwave Frequencies. *IEEE Antennas and Wireless Propagation Letters*, **2016**, 15, 1913-1916	3.8	36
240	What□ New About AWPL?. *IEEE Antennas and Wireless Propagation Letters*, **2016**, 15, 1-3	3.8	8
239	Effects of non-flat interfaces in human skin tissues on the in-vivo Tera-Hertz communication channel. *Nano Communication Networks*, **2016**, 8, 16-24	2.9	8
238	Design of Broadband Non-Foster Circuits Based on Resonant Tunneling Diodes. *IEEE Antennas and Wireless Propagation Letters*, **2016**, 15, 1398-1401	3.8	16
237	Homogenization of composites using full-wave point-dipole model. *EPJ Applied Metamaterials*, **2016**, 3, 6	0.8	1
236	Graphene-based tunable non-foster circuit for VHF applications. *AIP Advances*, **2016**, 6, 065202	1.5	3
235	Analytical magnetic model applied to endoscopic robots design: A ready-to-use implementation and a case of study **2016**,		4
234	Exploring Physiological Features from on-Body Radio Channels **2016**, 447-470		
233	Wave propagation in reconfigurable broadband gain metamaterials at microwave frequencies. *Journal of Applied Physics*, **2016**, 119, 194904	2.5	3
232	Transparent electromagnetic shielding enclosure with CVD graphene. *Applied Physics Letters*, **2016**, 109, 103507	3.4	14

231	Compressive Millimeter-Wave Phased Array Imaging. *IEEE Access*, **2016**, 4, 9580-9588	3.5	13
230	Flexible millimetre-wave frequency reconfigurable antenna for wearable applications in 5G networks **2016**,		19
229	Body Sensor Networks: In the Era of Big Data and Beyond. *IEEE Reviews in Biomedical Engineering*, **2015**, 8, 4-16	6.4	84
228	Tunable circular polarization selective surfaces for low-THz applications using patterned graphene. *Optics Express*, **2015**, 23, 7227-36	3.3	10
227	Topology optimized all-dielectric cloak: design, performances and modal picture of the invisibility effect. *Optics Express*, **2015**, 23, 23551-60	3.3	20
226	Graphene Field-Effect Transistor Model With Improved Carrier Mobility Analysis. *IEEE Transactions on Electron Devices*, **2015**, 62, 3433-3440	2.9	31
225	Spatial transformations: from fundamentals to applications. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2015**, 373,	3	1
224	A Wide-angle Multi-Octave Broadband Waveplate Based on Field Transformation Approach. *Scientific Reports*, **2015**, 5, 17532	4.9	15
223	Numerical Analysis and Characterization of THz Propagation Channel for Body-Centric Nano-Communications. *IEEE Transactions on Terahertz Science and Technology*, **2015**, 5, 419-426	3.4	76
222	Wireless Energy Behaviour monitoring (Wi-be) for office buildings. *International Journal of Low-Carbon Technologies*, **2015**, ctv031	2.8	1
221	**2015**,		1
220	QCTO lens design for conformal phased array antenna **2015**,		1
219	AWPL Status Update. *IEEE Antennas and Wireless Propagation Letters*, **2015**, 14, 1-3	3.8	2
218	Body area networks at radio frequencies: Creeping waves and antenna analysis. *Comptes Rendus Physique*, **2015**, 16, 789-801	1.4	3
217	Characterising skin-based nano-networks for healthcare monitoring applications at THz **2015**,		2
216	Terahertz signal propagation analysis inside the human skin **2015**,		3
215	Quantitative Analysis of the Subject-Specific On-Body Propagation Channel Based on Statistically Created Models. *IEEE Antennas and Wireless Propagation Letters*, **2015**, 14, 398-401	3.8	9
214	Experimental demonstration of a transparent graphene millimetre wave absorber with 28% fractional bandwidth at 140 GHz. *Scientific Reports*, **2014**, 4, 4130	4.9	153

213	Broadband Tissue Mimicking Phantoms and a Patch Resonator for Evaluating Noninvasive Monitoring of Blood Glucose Levels. *IEEE Transactions on Antennas and Propagation*, **2014**, 62, 3064-3075	4.9	71
212	Flat Luneburg Lens via Transformation Optics for Directive Antenna Applications. *IEEE Transactions on Antennas and Propagation*, **2014**, 62, 1945-1953	4.9	110
211	Surface Wave Transformation Lens Antennas. *IEEE Transactions on Antennas and Propagation*, **2014**, 62, 973-977	4.9	25
210	Lenses on curved surfaces. *Optics Letters*, **2014**, 39, 3551-4	3	35
209	Characterization of Vertically Aligned Multiwall Carbon Nanotube Arrays Based on Multiconductor Transmission Line Model. *IEEE Antennas and Wireless Propagation Letters*, **2014**, 13, 1353-1356	3.8	
208	. *IEEE Transactions on Antennas and Propagation*, **2014**, 62, 5268-5281	4.9	14
207	Wearable Health Care System Paradigm **2014**, 505-524		
206	Microwave absorption and radiation from large-area multilayer CVD graphene. *Carbon*, **2014**, 77, 814-822	6.4	55
205	Compressive sensing applied to fingerprint-based localisation **2014**,		2
204	MILLIMETER-WAVE OFFSET FRESNEL ZONE PLATE LENSES CHARACTERIZATION. *Progress in Electromagnetics Research C*, **2014**, 54, 125-131	0.9	7
203	Risks posed by obesity to body-surface narrowband wireless communication. *Science Bulletin*, **2014**, 59, 3949-3954		
202	A patch resonator for sensing blood glucose changes **2014**,		1
201	Introduction to the New AWPL Editorial Board. *IEEE Antennas and Wireless Propagation Letters*, **2014**, 13, 1-2	3.8	2
200	Understanding and characterizing nanonetworks for healthcare monitoring applications **2014**,		4
199	Compression of a pyramidal absorber using multiple discrete coordinate transformation. *Optics Express*, **2014**, 22, 9033-47	3.3	2
198	Towards Accurate Dielectric Property Retrieval of Biological Tissues for Blood Glucose Monitoring. *IEEE Transactions on Microwave Theory and Techniques*, **2014**, 62, 3193-3204	4.1	49
197	Ultra wideband antenna diversity characterisation for off-body communications in an indoor environment. *IET Microwaves, Antennas and Propagation*, **2014**, 8, 1161-1169	1.6	10
196	FDTD Modelling of Transformation Electromagnetics Based Devices **2014**, 487-515		

195	Transformation Electromagnetics Design of All-Dielectric Antennas **2014**, 191-219		
194	Antenna Diversity Techniques for Enhanced Ultra-Wideband Body-Centric Wireless Networks in Healthcare **2014**, 153-175		
193	. *IEEE Transactions on Antennas and Propagation*, **2013**, 61, 5744-5753	4.9	16
192	Noise analysis of broadband active metamaterials with non-Foster loads. *Journal of Applied Physics*, **2013**, 113, 233905	2.5	9
191	Experimental characterisation of ultra-wideband off-body radio channels considering antenna effects. *IET Microwaves, Antennas and Propagation*, **2013**, 7, 370-380	1.6	17
190	Wearable wireless sensors for healthcare applications **2013**,		4
189	Perfect surface wave cloaks. *Physical Review Letters*, **2013**, 111, 213901	7.4	60
188	Quantitative Study of Two Experimental Demonstrations of a Carpet Cloak. *IEEE Antennas and Wireless Propagation Letters*, **2013**, 12, 206-209	3.8	8
187	EXPERIMENTAL INVESTIGATION OF ULTRA WIDEBAND DIVERSITY TECHNIQUES FOR ON-BODY RADIO COMMUNICATIONS. *Progress in Electromagnetics Research C*, **2013**, 34, 165-181	0.9	19
186	Numerical analysis of the communication channel path loss at the THz band inside the fat tissue **2013**,		10
185	. *IEEE Transactions on Antennas and Propagation*, **2013**, 61, 5910-5922	4.9	54
184	Directive radiation from a diffuse Luneburg lens. *Optics Letters*, **2013**, 38, 392-4	3	9
183	Accurate modeling of high order spatial dispersion of wire medium. *Optics Express*, **2013**, 21, 29836-46	3.3	7
182	Transformation optics for antennas: why limit the bandwidth with metamaterials?. *Scientific Reports*, **2013**, 3, 1903	4.9	62
181	Noise power in active broadband metamaterials **2013**,		1
180	Near-field characterization of chemical vapor deposition graphene in the microwave regime. *Applied Physics Letters*, **2013**, 102, 233104	3.4	12
179	Corrections to Design of a Carpet Cloak to Conceal an Antenna Located Underneath [Sept 12 4444-4449]. *IEEE Transactions on Antennas and Propagation*, **2013**, 61, 2884-2884	4.9	
178	In-vivo characterisation and numerical analysis of the THz radio channel for nanoscale body-centric wireless networks **2013**,		15

177	AN ADVANCED UWB CHANNEL MODEL FOR BODY-CENTRIC WIRELESS NETWORKS. *Progress in Electromagnetics Research*, **2013**, 136, 79-99	3.8	14
176	Identifying Physiological Features from the Radio Propagation Signal of Low-Power Wireless Sensors. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2013**, 341-350	0.2	1
175	Cooperative and Low-Power Wireless Sensor Network for Efficient Body-Centric Communications in Healthcare Applications. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2013**, 351-360	0.2	3
174	Path Loss Characterization in a Body-Centric Scenario at 94GHz. *IEICE Transactions on Communications*, **2013**, E96.B, 2448-2454	0.5	1
173	Numerical characterization and modeling of subject-specific ultrawideband body-centric radio channels and systems for healthcare applications. *IEEE Transactions on Information Technology in Biomedicine*, **2012**, 16, 221-7		52
172	**2012**,		4
171	On-Body Channel Measurement Using Wireless Sensors. *IEEE Transactions on Antennas and Propagation*, **2012**, 60, 3397-3406	4.9	10
170	Electrically small half-loop antenna design with non-foster matching networks **2012**,		5
169	Design of a Carpet Cloak to Conceal an Antenna Located Underneath. *IEEE Transactions on Antennas and Propagation*, **2012**, 60, 4444-4449	4.9	10
168	Internal Hexa-Band Folded Monopole/Dipole/Loop Antenna With Four Resonances for Mobile Device. *IEEE Transactions on Antennas and Propagation*, **2012**, 60, 2880-2885	4.9	93
167	Wearable Sensors. *Springer Series on Chemical Sensors and Biosensors*, **2012**, 95-125	2	1
166	Antennas and propagation for body-centric wireless communications: Current status, applications and future trend **2012**,		6
165	Performance of Ultrawideband Wireless Tags for On-Body Radio Channel Characterisation. *International Journal of Antennas and Propagation*, **2012**, 2012, 1-10	1.2	5
164	Terahertz time-domain spectroscopy characterization of vertically aligned carbon nanotube films. *Carbon*, **2012**, 50, 939-942	10.4	6
163	Isotropic and nondispersive planar fed Luneburg lens from Hamiltonian transformation optics. *Optics Letters*, **2012**, 37, 4850-2	3	30
162	An accurate control of the surface wave using transformation optics. *Optics Express*, **2012**, 20, 9341-50	3.3	28
161	A numerical assesment of the effect of MRI surface coils on implanted pacemakers **2012**,		3
160	Flat collimating lenses based on quasi-conformal transformation electromagnetics **2012**,		3

159	Ultra wideband off-body radio channel characterisation and modelling for healthcare applications **2012**,		3
158	Ultra wideband antenna diversity techniques for on/off-body radio channel characterisation **2012**,		5
157	Patch resonator for non-invasive detection of dielectric property changes in biological tissues **2012**,		5
156	Analysis of on-body propagation at W band by using ray tracing model and measurements **2012**,		4
155	Recent Advances in Practical Metamaterial Engineering. *Additional Conferences (Device Packaging HiTEC HiTEN & CICMT)*, **2012**, 2012, 000113-000116	0.1	
154	Analytical model for the transmission of electromagnetic waves through arrays of slits in perfect conductors and lossy metal screens. *Journal of Applied Physics*, **2011**, 109, 103107	2.5	20
153	A Grounded Slim Luneburg Lens Antenna Based on Transformation Electromagnetics. *IEEE Antennas and Wireless Propagation Letters*, **2011**, 10, 1590-1593	3.8	36
152	All-dielectric invisibility cloaks made of BaTiO3-loaded polyurethane foam. *New Journal of Physics*, **2011**, 13, 103023	2.9	30
151	Experimental Characterization and Statistical Analysis of the Pseudo-Dynamic Ultrawideband On-Body Radio Channel. *IEEE Antennas and Wireless Propagation Letters*, **2011**, 10, 748-751	3.8	13
150	Subwavelength optical imaging with an array of silver nanorods. *Journal of Nanophotonics*, **2011**, 5, 051601	1.1	12
149	Wideband Beam-Steerable Flat Reflectors via Transformation Optics. *IEEE Antennas and Wireless Propagation Letters*, **2011**, 10, 1290-1294	3.8	26
148	A broadband zone plate lens from transformation optics. *Optics Express*, **2011**, 19, 12348-55	3.3	72
147	Slim Luneburg lens for antenna applications. *Optics Express*, **2011**, 19, 19925-34	3.3	62
146	Millimetre wave imaging system parameters at 95 GHz. *IET Microwaves, Antennas and Propagation*, **2011**, 5, 528	1.6	11
145	Bandwidth evaluation of dispersive transformation electromagnetics based devices. *Applied Physics A: Materials Science and Processing*, **2011**, 103, 715-719	2.6	6
144	Electrically coupled tapered slot ultra wideband antenna with tunable notch. *Microwave and Optical Technology Letters*, **2011**, 53, 1558-1561	1.2	2
143	Numerical analysis of on-body channel for statistically-generated body shapes **2011**,		6
142	Radio propagation channel characterisation using ultra wideband wireless tags for body-centric wireless networks in indoor environment **2011**,		1

141	A Coordinate Transformation-Based Broadband Flat Lens via Microstrip Array. *IEEE Antennas and Wireless Propagation Letters*, **2011**, 10, 99-102	3.8	24
140	Sensing of dielectric property alterations in biological tissues at microwave frequencies **2011**,		3
139	Investigation of body shape variations effect on the Ultra-Wideband on-body radio propagation channel **2011**,		2
138	Dual band and dual mode antenna for power efficient body-centric wireless communications **2011**,		7
137	Radio Channel Characterisation and OFDM-based Ultra Wideband System Modelling for Body-Centric Wireless Networks **2011**,		3
136	Compact Resonators for Permittivity Reconstruction of Biological Tissues **2011**,		5
135	Comparison of frequency responses of cloaking devices under nonmonochromatic illumination. *Physical Review B*, **2011**, 84,	3.3	23
134	Spatial Correlation Analysis of On-Body Radio Channels Considering Statistical Significance. *IEEE Antennas and Wireless Propagation Letters*, **2011**, 10, 780-783	3.8	13
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