

Yan Zhao

List of Publications by Year in descending order

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64
papers

1,186
citations

331670

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docs citations

64
times ranked

904
citing authors

#	ARTICLE	IF	CITATIONS
1	True Nulls-Free Magnetoinductive Waveguides Using Alternate Coupling Polarities for Batteryless Dynamic Wireless Power Transfer Applications. IEEE Transactions on Power Electronics, 2022, 37, 8835-8854.	7.9	7
2	Experiment of a Phase-Gradient Metasurface Reflector for Millimeter Wave and 5G Applications. , 2022, , .		3
3	Efficiency Enhancement of Wireless Power Transfer Localization using Defected Metasurface. , 2021, , .		0
4	A Compact Dual-Broadband Multiple-Input Multiple-Output (MIMO) Indoor Base Station Antenna for 2G/3G/LTE Systems. IEEE Access, 2019, 7, 82238-82245.	4.2	10
5	Design of a PIN Diode-Based Reconfigurable Metasurface Antenna for Beam Switching Applications. International Journal of Antennas and Propagation, 2019, 2019, 1-7.	1.2	28
6	Compact Non-uniform Planar Metasurface for Efficiency Enhancement of Wireless Power Transfer. , 2019, , .		2
7	Design of Compact Beam-Steering Antennas Using a Metasurface Formed by Uniform Square Rings. IEEE Access, 2018, 6, 9420-9429.	4.2	45
8	Relativistic finite-difference time-domain analysis of high-speed moving metamaterials. Scientific Reports, 2018, 8, 7686.	3.3	9
9	Design and implementation of class E power amplifier with parallel circuit for wireless power transfer systems. , 2017, , .		2
10	An LED Based Indoor Localization System Using k-Means Clustering. , 2016, , .		14
11	High frequency rectifier for RF energy harvesting systems. , 2015, , .		5
12	Design and Implementation of Secure and Reliable Communication using Optical Wireless Communication. Frequenz, 2014, 68, .	0.9	11
13	Controlling the resonances of indefinite materials for maximizing efficiency in wireless power transfer. Microwave and Optical Technology Letters, 2014, 56, 867-875.	1.4	16
14	Evanescent wave amplification and subwavelength imaging by ultrathin uniaxial $\hat{\epsilon}$ -near-zero material. AIP Advances, 2014, 4, 027115.	1.3	4
15	Controlling the resonances of indefinite materials for maximizing efficiency in wireless power transfer. , 2014, , .		2
16	Improving the efficiency of wireless power transfer systems using metamaterials. , 2013, , .		3
17	Performance analysis of optical wireless communication system using pulse width modulation. , 2013, , .		6
18	R-LABS: An RFID-based indoor localisation system using antenna beam scanning. Journal of Ambient Intelligence and Smart Environments, 2013, 5, 251-266.	1.4	2

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19	Design of Visible Light Communication Receiver for On-Off Keying Modulation by Adaptive Minimum-Voltage Cancelation. <i>Engineering Journal</i> , 2013, 17, 125-130.	1.0	25
20	Investigation of image magnification properties of hyperlenses formed by a tapered array of metallic wires using a spatially dispersive finite-difference time-domain method in cylindrical coordinates. <i>Journal of Optics (United Kingdom)</i> , 2012, 14, 035102.	2.2	0
21	System demonstration for visible light communication using adaptive threshold detection for low data rate applications. , 2012, , .		3
22	An RFID-based indoor localization system using antenna beam scanning. , 2012, , .		10
23	A fingerprinting-based indoor localization system using intensity modulation of light emitting diodes. <i>Microwave and Optical Technology Letters</i> , 2012, 54, 1218-1227.	1.4	53
24	A Subject-Specificity Analysis of Radio Channels in Wireless Body Area Networks. <i>Engineering Journal</i> , 2011, 15, 39-48.	1.0	7
25	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	26
26	Parallel FDTD modeling of metallic nanolens. , 2010, , .		0
27	Experimental demonstration of multiwire endoscopes capable of manipulating near-fields with subwavelength resolution. <i>Applied Physics Letters</i> , 2010, 97, .	3.3	63
28	Articulated Postures for Subject-Specific RF Simulation. , 2010, , .		1
29	Finite-Difference Time-Domain Modeling of Electromagnetic Cloaks. , 2010, , 115-153.		0
30	Subwavelength internal imaging by means of a wire medium. <i>Journal of Optics</i> , 2009, 11, 075101.	1.5	21
31	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.	3.8	28
32	Enhancement of evanescent spatial harmonics inside media with extreme optical anisotropy. <i>Optics Letters</i> , 2009, 34, 527.	3.3	28
33	Manipulating the loss in electromagnetic cloaks for perfect wave absorption. <i>Optics Express</i> , 2009, 17, 8467.	3.4	29
34	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.	5.1	47
35	Characterization of microwave absorber based on transformation electromagnetics. , 2009, , .		0
36	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.	5.1	20

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37	A subject-specific radio propagation study in wireless body area networks. , 2009, , .		6
38	A Simulation Environment for Subject-Specific Radio Channel Modeling in Wireless Body Sensor Networks. , 2009, , .		11
39	Modelling of propagation and interaction between body-mounted antennas, and the modelling of body-centric, context aware application scenarios. , 2009, , .		3
40	Full-wave finite-difference time-domain simulation of electromagnetic cloaking structures. Optics Express, 2008, 16, 6717.	3.4	112
41	Transmission of images with subwavelength resolution to distances of several wavelengths in the microwave range. Physical Review B, 2008, 77, .	3.2	101
42	Dispersive Finite-Difference Time-Domain simulation of electromagnetic cloaking devices. , 2008, , .		1
43	Analysis of on-body propagation channel using a hybrid technique combining the equivalence principle and FDTD. , 2008, , .		1
44	Dispersive finite-difference time-domain simulation of electromagnetic cloaking structures. , 2008, , .		0
45	Analysys of on-body antenna radiation pattern using a numerical technique based on FDTD and equivalence principle. , 2008, , .		5
46	A conformal dispersive FDTD method for modelling of nano-plasmonic waveguides. , 2007, , .		0
47	Accurate modelling of the optical properties of left-handed media using a finite-difference time-domain method. , 2007, , .		0
48	Experimental Study of the Subwavelength Imaging by a Wire Medium Slab. , 2007, , .		0
49	Accurate modeling of the optical properties of left-handed media using a finite-difference time-domain method. Physical Review E, 2007, 75, 037602.	2.1	26
50	Modelling of Wave Propagation in Wire Media Using Spatially Dispersive Finite-Difference Time-Domain Method: Numerical Aspects. IEEE Transactions on Antennas and Propagation, 2007, 55, 1506-1513.	5.1	28
51	Finite-Difference Time-Domain Study of Guided Modes in Nano-Plasmonic Waveguides. IEEE Transactions on Antennas and Propagation, 2007, 55, 3070-3077.	5.1	49
52	Accurate modelling of left-handed metamaterials using a finite-difference time-domain method with spatial averaging at the boundaries. Journal of Optics, 2007, 9, S468-S475.	1.5	26
53	Sub-wavelength imaging by a wire medium slab: experiment. , 2007, , .		1
54	Spatially Dispersive Finite-Difference Time-Domain Modelling of the Wire Medium for Subwavelength Imaging. , 2007, , .		2

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55	FDTD Characterization of UWB Indoor Radio Channel Including Frequency Dependent Antenna Directivities. IEEE Antennas and Wireless Propagation Letters, 2007, 6, 191-194.	4.0	38
56	Amplification of evanescent spatial harmonics and subwavelength imaging inside of a wire medium slab. , 2007, , .		1
57	UWB on-body radio channel modeling using ray theory and subband FDTD method. IEEE Transactions on Microwave Theory and Techniques, 2006, 54, 1827-1835.	4.6	121
58	Spatially dispersive finite-difference time-domain analysis of sub-wavelength imaging by the wire medium slabs. Optics Express, 2006, 14, 5154.	3.4	24
59	A Free-formed EBG resonator antenna at millimeter wave frequencies. , 2006, , .		0
60	Statistical and deterministic modelling of radio propagation channels in WBAN at 2.45GHz. , 2006, , .		8
61	Experimental study of the subwavelength imaging by a wire medium slab. Applied Physics Letters, 2006, 89, 262109.	3.3	60
62	FDTD Characterisation of UWB Indoor Radio Channel Including Frequency Dependent Antenna Directivities. , 2006, , .		6
63	Radiation properties of PIFA on electromagnetic bandgap substrates. Microwave and Optical Technology Letters, 2005, 44, 21-24.	1.4	17
64	Two Novel FDTD Based UWB Indoor Propagation Models. , 0, , .		9