

Wei E I Sha

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.

177
papers

5,400
citations

37
h-index

69
g-index

234
ext. papers

6,544
ext. citations

5.4
avg, IF

6.14
L-index

#	Paper	IF	Citations
177	A highly sensitive and flexible photonic crystal oxygen sensor. <i>Sensors and Actuators B: Chemical</i> , 2022 , 355, 131326	8.5	0
176	Advanced Applications of Nonlinear Plasmonics. <i>Lecture Notes in Nanoscale Science and Technology</i> , 2022 , 117-135	0.3	
175	Valley topological line-defects for Terahertz waveguides and power divider. <i>Optical Materials</i> , 2022 , 126, 112152	3.3	
174	Parallel Higher Order DGTD and FETD for Transient Electromagnetic-Circuit-Thermal Co-Simulation. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2022 , 1-1	4.1	1
173	Bioinspired Quasi-3D Multiplexed Anti-Counterfeit Imaging via Self-Assembled and Nanoimprinted Photonic Architectures. <i>Advanced Materials</i> , 2021 , e2107243	24	14
172	Orbital Angular Momentum Based Structured Radio Beams and its Applications 2021 , 269-293		0
171	Orbital Angular Momentum Generation, Detection, and Angular Momentum Conservation with Second Harmonic Generation 2021 , 245-267		
170	Electromagnetic Effective Degree of Freedom of a MIMO System in Free Space. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021 , 1-1	3.8	4
169	A Novel Miniaturized Multi-Band Strong Coupled-FSS Structure Insensitive to Almost-All Angles and All Polarizations. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	2
168	Universal Vector-Scalar Potential Framework for Inhomogeneous Electromagnetic System and Its Application in Semiclassical Quantum Electromagnetics. <i>IEEE Transactions on Plasma Science</i> , 2021 , 1-13	1.3	2
167	High-Efficiency and Durable Inverted Perovskite Solar Cells with Thermally-Induced Phase-Change Electron Extraction Layer. <i>Advanced Energy Materials</i> , 2021 , 11, 2102844	21.8	4
166	Intrinsic losses in photovoltaic laser power converters. <i>Applied Physics Letters</i> , 2021 , 118, 104103	3.4	2
165	Colorful Efficient Moiré-Perovskite Solar Cells. <i>Advanced Materials</i> , 2021 , 33, e2008091	24	13
164	Second-harmonic generation via double topological valley-Hall kink modes in all-dielectric photonic crystals. <i>Physical Review A</i> , 2021 , 103,	2.6	17
163	Highly Efficient 1D/3D Ferroelectric Perovskite Solar Cell. <i>Advanced Functional Materials</i> , 2021 , 31, 2100295	20.5	11
162	Perovskite Solar Cells: Colorful Efficient Moiré-Perovskite Solar Cells (Adv. Mater. 15/2021). <i>Advanced Materials</i> , 2021 , 33, 2170116	24	2
161	Metamaterial or Metastructural Thin Films for EM Wave Control 2021 , 221-255		

160	Manipulation of Orbital Angular Momentum Spectrum Using Shape-Tailored Metasurfaces. <i>Advanced Optical Materials</i> , 2021 , 9, 2001711	8.1	15
159	. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2021 , 63, 38-45	2	16
158	Modelling of the Fluctuation and Coherent Dynamics in Active Metamaterial Devices. <i>IEEE Nanotechnology Magazine</i> , 2021 , 20, 543-551	2.6	0
157	A Wideband OAM Antenna Based on Chiral Harmonic Diffraction. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021 , 1-1	3.8	2
156	Loss Mechanism Analyses of Perovskite Solar Cells with an Equivalent Circuit Model. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2021 , 0-0	0.6	2
155	Casimir Force: Vacuum fluctuation, zero-point energy, and computational electromagnetics. <i>IEEE Antennas and Propagation Magazine</i> , 2021 , 2-12	1.7	
154	Coupled cavity-waveguide based on topological corner state and edge state. <i>Optics Letters</i> , 2021 , 46, 1089-1092	3	15
153	Multiplexing-oriented plasmon-MoS2 hybrid metasurfaces driven by nonlinear quasi bound states in the continuum. <i>Optics Express</i> , 2021 , 29, 5384-5396	3.3	9
152	Efficient and stable inverted perovskite solar cells with very high fill factors via incorporation of star-shaped polymer. <i>Science Advances</i> , 2021 , 7,	14.3	54
151	Comparative study of Hermitian and non-Hermitian topological dielectric photonic crystals. <i>Physical Review A</i> , 2021 , 104,	2.6	3
150	Integrated Terahertz Generator-Manipulators Using Epsilon-near-Zero-Hybrid Nonlinear Metasurfaces. <i>Nano Letters</i> , 2021 , 21, 7699-7707	11.5	9
149	Arbitrary Vortex Beam Synthesis With Donut-Shaped Metasurface. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	4
148	Offset-fed vortex wave generator based on reflective metasurface. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2021 , 70, 198401-198401	0.6	
147	Experimental Study of Plane Spiral OAM Mode-Group Based MIMO Communications. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	3
146	Approaching the Fundamental Limit of Orbital-Angular-Momentum Multiplexing Through a Hologram Metasurface. <i>Physical Review Applied</i> , 2021 , 16,	4.3	4
145	. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2020 , 19, 1296-1300	3.8	10
144	Backward Scattering of Electrically Large Standard Objects Illuminated by OAM Beams. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2020 , 19, 1167-1171	3.8	8
143	Efficient and Reproducible Monolithic Perovskite/Organic Tandem Solar Cells with Low-Loss Interconnecting Layers. <i>Joule</i> , 2020 , 4, 1594-1606	27.8	57

142	Orbital Angular Momentum Multiplexing in Highly Reverberant Environments. <i>IEEE Microwave and Wireless Components Letters</i> , 2020 , 30, 112-115	2.6	38
141	Evaluation and prediction of the COVID-19 variations at different input population and quarantine strategies, a case study in Guangdong province, China. <i>International Journal of Infectious Diseases</i> , 2020 , 95, 231-240	10.5	34
140	Coexistence of pseudospin- and valley-Hall-like edge states in a photonic crystal with C _{3v} symmetry. <i>Physical Review Research</i> , 2020 , 2,	3.9	9
139	Enhanced Deep Learning Approach Based on the Deep Convolutional Encoder-Decoder Architecture for Electromagnetic Inverse Scattering Problems. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2020 , 19, 1211-1215	3.8	21
138	Linear and nonlinear spin-orbital coupling in golden-angle spiral quasicrystals. <i>Optics Express</i> , 2020 , 28, 334-344	3.3	9
137	First-principle calculation of Chern number in gyrotropic photonic crystals. <i>Optics Express</i> , 2020 , 28, 4638-4649	3.3	11
136	ELECTROMAGNETIC-CIRCUITAL-THERMAL MULTIPHYSICS SIMULATION METHOD: A REVIEW (INVITED). <i>Progress in Electromagnetics Research</i> , 2020 , 169, 87-101	3.8	5
135	Local orbital-angular-momentum dependent surface states with topological protection. <i>Optics Express</i> , 2020 , 28, 14428-14435	3.3	3
134	Launcher of high-order Bessel vortex beam carrying orbital angular momentum by designing anisotropic holographic metasurface. <i>Applied Physics Letters</i> , 2020 , 117, 243503	3.4	5
133	Ultrawideband Reflection-Type Metasurface for Generating Integer and Fractional Orbital Angular Momentum. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 2166-2175	4.9	38
132	Realizing High Efficiency over 20% of Low-Bandgap Pb _{1-x} Sn _x -Alloyed Perovskite Solar Cells by In Situ Reduction of Sn ⁴⁺ . <i>Solar Rrl</i> , 2020 , 4, 1900467	7.1	40
131	Second-harmonic generation of structured light by transition-metal dichalcogenide metasurfaces. <i>Physical Review A</i> , 2020 , 102,	2.6	2
130	Influence of Geometry of Metallic Nanoparticles on Absorption of Thin-Film Organic Solar Cells: A Critical Examination. <i>IEEE Access</i> , 2020 , 8, 145950-145959	3.5	4
129	Pseudospin-Polarized Topological Line Defects in Dielectric Photonic Crystals. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 609-613	4.9	21
128	Inorganic perovskite solar cells: an emerging member of the photovoltaic community. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 21036-21068	13	93
127	Quasi-Continuous Metasurfaces for Orbital Angular Momentum Generation. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019 , 18, 477-481	3.8	28
126	Simulating Maxwell-Schrödinger Equations by High-Order Symplectic FDTD Algorithm. <i>IEEE Journal on Multiscale and Multiphysics Computational Techniques</i> , 2019 , 4, 143-151	1.5	4
125	Power Conversion Efficiency Enhancement of Low-Bandgap Mixed Pb _{1-x} Sn _x Perovskite Solar Cells by Improved Interfacial Charge Transfer. <i>ACS Energy Letters</i> , 2019 , 4, 1784-1790	20.1	44

124	Two-Step Enhanced Deep Learning Approach for Electromagnetic Inverse Scattering Problems. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019 , 18, 2254-2258	3.8	48
123	Hamilton Equations, Commutator, and Energy Conservation. <i>Quantum Reports</i> , 2019 , 1, 295-303	2.1	5
122	GREEN'S DYADIC, SPECTRAL FUNCTION, LOCAL DENSITY OF STATES, AND FLUCTUATION DISSIPATION THEOREM. <i>Progress in Electromagnetics Research</i> , 2019 , 166, 147-165	3.8	6
121	Machine Learning Methodology Review for Computational Electromagnetics 2019 ,		2
120	Investigating Thermal Cooling Mechanisms of Human Body Under Exposure to Electromagnetic Radiation. <i>IEEE Access</i> , 2019 , 7, 9697-9703	3.5	1
119	Nonlinearity in the Dark: Broadband Terahertz Generation with Extremely High Efficiency. <i>Physical Review Letters</i> , 2019 , 122, 027401	7.4	19
118	Graphene based functional devices: A short review. <i>Frontiers of Physics</i> , 2019 , 14, 1	3.7	60
117	Electrically tunable polarizer based on graphene-loaded plasmonic cross antenna. <i>Journal of Physics Condensed Matter</i> , 2018 , 30, 144007	1.8	6
116	Enhanced hydrogen evolution via interlaced Ni ₃ S ₂ /MoS ₂ heterojunction photocatalysts with efficient interfacial contact and broadband absorption. <i>Journal of Alloys and Compounds</i> , 2018 , 749, 473-480	5.7	31
115	The effects of interfacial recombination and injection barrier on the electrical characteristics of perovskite solar cells. <i>AIP Advances</i> , 2018 , 8, 025312	1.5	12
114	Flexible and Accurate Simulation of Radiation Cooling with FETD Method. <i>Scientific Reports</i> , 2018 , 8, 2652	4.9	9
113	Detection of Orbital Angular Momentum With Metasurface at Microwave Band. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018 , 17, 110-113	3.8	39
112	Charge separation and dissipation in molecular wires under a light radiation. <i>Organic Electronics</i> , 2018 , 58, 94-104	3.5	1
111	A comprehensively theoretical and experimental study of carrier generation and transport for achieving high performance ternary blend organic solar cells. <i>Nano Energy</i> , 2018 , 51, 206-215	17.1	12
110	Generation of Orbital Angular Momentum by a Point Defect in Photonic Crystals. <i>Physical Review Applied</i> , 2018 , 10,	4.3	19
109	Electromagnetic-Thermal Analysis of Human Head Exposed to Cell Phones With the Consideration of Radiative Cooling. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2018 , 17, 1584-1587	3.8	11
108	Investigation of broadband terahertz generation from metasurface. <i>Optics Express</i> , 2018 , 26, 14241-14250	5.0	14
107	Orbital Angular Momentum Generation and Detection by Geometric-Phase Based Metasurfaces. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 362	2.6	41

106	. <i>IEEE Photonics Journal</i> , 2018 , 10, 1-7	1.8	9
105	Efficient volumetric method of moments for modeling plasmonic thin-film solar cells with periodic structures. <i>Optics Express</i> , 2018 , 26, 25037-25046	3.3	16
104	Quantifying Efficiency Loss of Perovskite Solar Cells by a Modified Detailed Balance Model. <i>Advanced Energy Materials</i> , 2018 , 8, 1701586	21.8	64
103	APPLYING CONVOLUTIONAL NEURAL NETWORKS FOR THE SOURCE RECONSTRUCTION. <i>Progress in Electromagnetics Research M</i> , 2018 , 76, 91-99	0.6	11
102	Dissipative Quantum Electromagnetics. <i>IEEE Journal on Multiscale and Multiphysics Computational Techniques</i> , 2018 , 3, 198-213	1.5	15
101	SYMPLECTIC PSEUDOSPECTRAL TIME-DOMAIN SCHEME FOR SOLVING TIME-DEPENDENT SCHRÖDINGER EQUATION. <i>Progress in Electromagnetics Research M</i> , 2018 , 66, 109-118	0.6	
100	A Wideband 2-D Fast Multipole Algorithm With a Novel Diagonalization Form. <i>IEEE Transactions on Antennas and Propagation</i> , 2018 , 66, 7477-7482	4.9	1
99	Nonlinear optics in plasmonic nanostructures. <i>Journal of Optics (United Kingdom)</i> , 2018 , 20, 083001	1.7	103
98	Novel Direct Nanopatterning Approach to Fabricate Periodically Nanostructured Perovskite for Optoelectronic Applications. <i>Advanced Functional Materials</i> , 2017 , 27, 1606525	15.6	75
97	A unified Hamiltonian solution to Maxwell-Schrödinger equations for modeling electromagnetic field-particle interaction. <i>Computer Physics Communications</i> , 2017 , 215, 63-70	4.2	14
96	Chip-Scale Plasmonic Sum Frequency Generation. <i>IEEE Photonics Journal</i> , 2017 , 9, 1-8	1.8	3
95	Novel complementary metasurfaces for the orbital angular momentum generation 2017 ,		1
94	Exploring the Way To Approach the Efficiency Limit of Perovskite Solar Cells by Drift-Diffusion Model. <i>ACS Photonics</i> , 2017 , 4, 934-942	6.3	74
93	Maxwell-Hydrodynamic Model for Simulating Nonlinear Terahertz Generation From Plasmonic Metasurfaces. <i>IEEE Journal on Multiscale and Multiphysics Computational Techniques</i> , 2017 , 2, 194-201	1.5	12
92	Mixing of spin and orbital angular momenta via second-harmonic generation in plasmonic and dielectric chiral nanostructures. <i>Physical Review B</i> , 2017 , 95,	3.3	22
91	Ultrathin Complementary Metasurface for Orbital Angular Momentum Generation at Microwave Frequencies. <i>IEEE Transactions on Antennas and Propagation</i> , 2017 , 65, 396-400	4.9	99
90	Probing the light harvesting and charge rectification of bismuth nanoparticles behind the promoted photoreactivity onto Bi/BiOCl catalyst by (in-situ) electron microscopy. <i>Applied Catalysis B: Environmental</i> , 2017 , 201, 495-502	21.8	22
89	Sum-frequency and second-harmonic generation from plasmonic nonlinear nanoantennas. <i>URSI Radio Science Bulletin</i> , 2017 , 2017, 43-49	0.1	2

88	High-quality image restoration from partial mixed adaptive-random measurements. <i>Multimedia Tools and Applications</i> , 2016 , 75, 6189-6205	2.5	3
87	Polarization Control by Using Anisotropic 3-D Chiral Structures. <i>IEEE Transactions on Antennas and Propagation</i> , 2016 , 64, 4687-4694	4.9	18
86	Orbital angular momentum (OAM) generation by composite PEC-PMC metasurfaces in microwave regime 2016 ,		1
85	Strongly enhanced and directionally tunable second-harmonic radiation from a plasmonic particle-in-cavity nanoantenna. <i>Physical Review A</i> , 2016 , 94,	2.6	13
84	Numerical Modeling in Antenna Engineering 2016 , 111-195		
83	An adaptive random compressive partial sampling method with TV recovery. <i>Applied Informatics</i> , 2016 , 3,		1
82	Large-Scale Characteristic Mode Analysis With Fast Multipole Algorithms. <i>IEEE Transactions on Antennas and Propagation</i> , 2016 , 64, 2608-2616	4.9	26
81	A Frequency-Independent Method for Computing the Physical Optics-Based Electromagnetic Fields Scattered From a Hyperbolic Surface. <i>IEEE Transactions on Antennas and Propagation</i> , 2016 , 64, 1546-1552	4.9	5
80	A Novel Eigenvalue Algorithm for the Complex Band Structure and Eigenmodes of Plasmonic Crystals. <i>IEEE Photonics Journal</i> , 2016 , 8, 1-10	1.8	3
79	Numerical methods for spin-dependent transport calculations and spin bound states analysis in Rashba waveguides. <i>Computer Physics Communications</i> , 2016 , 198, 118-127	4.2	3
78	Numerical Modeling in Antenna Engineering 2016 , 1-71		
77	FULL HYDRODYNAMIC MODEL OF NONLINEAR ELECTROMAGNETIC RESPONSE IN METALLIC METAMATERIALS (Invited Paper). <i>Progress in Electromagnetics Research</i> , 2016 , 157, 63-78	3.8	22
76	Compact Nonlinear Yagi-Uda Nanoantennas. <i>Scientific Reports</i> , 2016 , 6, 18872	4.9	26
75	Artificial perfect electric conductor-perfect magnetic conductor anisotropic metasurface for generating orbital angular momentum of microwave with nearly perfect conversion efficiency. <i>Journal of Applied Physics</i> , 2016 , 119, 064506	2.5	56
74	Exciton delocalization incorporated drift-diffusion model for bulk-heterojunction organic solar cells. <i>Journal of Applied Physics</i> , 2016 , 120, 213101	2.5	16
73	An Efficient Marching-on-in-Degree Solution of Transient Multiscale EM Scattering Problems. <i>IEEE Transactions on Antennas and Propagation</i> , 2016 , 64, 3039-3046	4.9	9
72	Quantum Electromagnetics: A New LookPart I. <i>IEEE Journal on Multiscale and Multiphysics Computational Techniques</i> , 2016 , 1, 73-84	1.5	24
71	Finite-Difference Time-Domain Simulation of the Maxwell-Schrödinger System. <i>IEEE Journal on Multiscale and Multiphysics Computational Techniques</i> , 2016 , 1, 40-47	1.5	20

70	Quantum Electromagnetics: A New Look Part II. <i>IEEE Journal on Multiscale and Multiphysics Computational Techniques</i> , 2016 , 1, 85-97	1.5	17
69	A novel beam-steering nonlinear nanoantenna with surface plasmon resonance 2016 ,		1
68	Experimental and theoretical investigation of macro-periodic and micro-random nanostructures with simultaneously spatial translational symmetry and long-range order breaking. <i>Scientific Reports</i> , 2015 , 5, 7876	4.9	10
67	Numerical Modeling in Antenna Engineering 2015 , 1-71		
66	Graphene plasmonics for tuning photon decay rate near metallic split-ring resonator in a multilayered substrate. <i>Optics Express</i> , 2015 , 23, 2798-807	3.3	13
65	Efficient hole transport layers with widely tunable work function for deep HOMO level organic solar cells. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 23955-23963	13	32
64	Broadband near-field enhancement in the macro-periodic and micro-random structure with a hybridized excitation of propagating Bloch-plasmonic and localized surface-plasmonic modes. <i>Nanoscale</i> , 2015 , 7, 16798-804	7.7	10
63	Efficient Calculation of Large Finite Periodic Structures Based on Surface Wave Analysis. <i>IEEE Transactions on Antennas and Propagation</i> , 2015 , 63, 69-80	4.9	9
62	Dispersion Characteristics Analysis of One Dimensional Multiple Periodic Structures and Their Applications to Antennas. <i>IEEE Transactions on Antennas and Propagation</i> , 2015 , 63, 113-121	4.9	14
61	A general design rule to manipulate photocarrier transport path in solar cells and its realization by the plasmonic-electrical effect. <i>Scientific Reports</i> , 2015 , 5, 8525	4.9	38
60	A New Interconnecting Layer of Metal Oxide/Dipole Layer/Metal Oxide for Efficient Tandem Organic Solar Cells. <i>Advanced Energy Materials</i> , 2015 , 5, 1500631	21.8	34
59	The efficiency limit of CH ₃ NH ₃ PbI ₃ perovskite solar cells. <i>Applied Physics Letters</i> , 2015 , 106, 221104	3.4	374
58	Organic Solar Cells: A New Interconnecting Layer of Metal Oxide/Dipole Layer/Metal Oxide for Efficient Tandem Organic Solar Cells (Adv. Energy Mater. 17/2015). <i>Advanced Energy Materials</i> , 2015 , 5, n/a-n/a	21.8	3
57	Breaking the space charge limit in organic solar cells by a novel plasmonic-electrical concept. <i>Scientific Reports</i> , 2014 , 4, 6236	4.9	51
56	Functions of self-assembled ultrafine TiO ₂ nanocrystals for high efficient dye-sensitized solar cells. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 5367-73	9.5	17
55	Photovoltaic Mode Ultraviolet Organic Photodetectors with High On/Off Ratio and Fast Response. <i>Advanced Optical Materials</i> , 2014 , 2, 1082-1089	8.1	29
54	MULTI-PHYSICAL PROPERTIES OF PLASMONIC ORGANIC SOLAR CELLS (Invited Paper). <i>Progress in Electromagnetics Research</i> , 2014 , 146, 25-46	3.8	10
53	Helmholtz decomposition based on integral equation method for electromagnetic analysis. <i>Microwave and Optical Technology Letters</i> , 2014 , 56, 1838-1843	1.2	

52	Observing abnormally large group velocity at the plasmonic band edge via a universal eigenvalue analysis. <i>Optics Letters</i> , 2014 , 39, 158-61	3	10
51	A novel eigenvalue method for calculating the band structure of lossy and dispersive photonic crystals. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2014 , 63, 184210	0.6	3
50	Efficiency Enhancement of Organic Solar Cells by Using Shape-Dependent Broadband Plasmonic Absorption in Metallic Nanoparticles. <i>Advanced Functional Materials</i> , 2013 , 23, 2728-2735	15.6	256
49	Enhanced charge extraction in organic solar cells through electron accumulation effects induced by metal nanoparticles. <i>Energy and Environmental Science</i> , 2013 , 6, 3372	35.4	84
48	Plasmonic Electrically Functionalized TiO ₂ for High-Performance Organic Solar Cells. <i>Advanced Functional Materials</i> , 2013 , 23, 4255-4261	15.6	124
47	The Numerical Steepest Descent Path Method for Calculating Physical Optics Integrals on Smooth Conducting Quadratic Surfaces. <i>IEEE Transactions on Antennas and Propagation</i> , 2013 , 61, 4183-4193	4.9	36
46	High-order symplectic FDTD scheme for solving a time-dependent Schrödinger equation. <i>Computer Physics Communications</i> , 2013 , 184, 480-492	4.2	14
45	Enhanced photoactivity on Ag/Ag ₃ PO ₄ composites by plasmonic effect. <i>Journal of Colloid and Interface Science</i> , 2013 , 392, 325-330	9.3	37
44	CASIMIR FORCE FOR ARBITRARY OBJECTS USING THE ARGUMENT PRINCIPLE AND BOUNDARY ELEMENT METHODS. <i>Progress in Electromagnetics Research</i> , 2013 , 142, 615-624	3.8	6
43	Theoretical Studies of Plasmonic Effects in Organic Solar Cells. <i>Green Energy and Technology</i> , 2013 , 177-210		
42	Tuning optical responses of metallic dipole nanoantenna using graphene. <i>Optics Express</i> , 2013 , 21, 31824-9	3.9	36
41	Broadband absorption enhancement of organic solar cells with interstitial lattice patterned metal nanoparticles. <i>Applied Physics Letters</i> , 2013 , 102, 251112	3.4	12
40	One dimensional multiple periodic composite right/left handed (CRLH) structures 2013 ,		1
39	A NEW EFIE METHOD BASED ON COULOMB GAUGE FOR THE LOW-FREQUENCY ELECTROMAGNETIC ANALYSIS. <i>Progress in Electromagnetics Research</i> , 2013 , 140, 613-631	3.8	4
38	Optical and electrical effects of gold nanoparticles in the active layer of polymer solar cells. <i>Journal of Materials Chemistry</i> , 2012 , 22, 1206-1211		203
37	Optimized Operator-Splitting Methods in Numerical Integration of Maxwell's Equations. <i>International Journal of Antennas and Propagation</i> , 2012 , 2012, 1-8	1.2	1
36	Dual plasmonic nanostructures for high performance inverted organic solar cells. <i>Advanced Materials</i> , 2012 , 24, 3046-52	24	604
35	Surface Plasmon and Scattering-Enhanced Low-Bandgap Polymer Solar Cell by a Metal Grating Back Electrode. <i>Advanced Energy Materials</i> , 2012 , 2, 1203-1207	21.8	152

34	Efficient Inverted Polymer Solar Cells with Directly Patterned Active Layer and Silver Back Grating. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 7200-7206	3.8	80
33	Unidirectional and wavelength-selective photonic sphere-array nanoantennas. <i>Optics Letters</i> , 2012 , 37, 2112-4	3	30
32	The roles of metallic rectangular-grating and planar anodes in the photocarrier generation and transport of organic solar cells. <i>Applied Physics Letters</i> , 2012 , 101, 223302	3.4	13
31	Mixing plasmonic Au nanoparticles into all polymer layers for improving the efficiency of organic solar cells 2012 ,		1
30	Optical and electrical study of organic solar cells with a 2D grating anode. <i>Optics Express</i> , 2012 , 20, 2572-39	3.9	46
29	Light harvesting improvement of organic solar cells with self-enhanced active layer designs. <i>Optics Express</i> , 2012 , 20, 8175-85	3.3	27
28	Finite-Element-Based Generalized Impedance Boundary Condition for Modeling Plasmonic Nanostructures. <i>IEEE Nanotechnology Magazine</i> , 2012 , 11, 336-345	2.6	32
27	Study on spontaneous emission in complex multilayered plasmonic system via surface integral equation approach with layered medium Green's function. <i>Optics Express</i> , 2012 , 20, 20210-21	3.3	33
26	High-order symplectic FDTD scheme for solving time-dependent Schrödinger equation. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2012 , 61, 190202	0.6	
25	Improving the efficiency of polymer solar cells by incorporating gold nanoparticles into all polymer layers. <i>Applied Physics Letters</i> , 2011 , 99, 153304	3.4	145
24	Optical and electrical properties of efficiency enhanced polymer solar cells with Au nanoparticles in a PEDOT:PSS layer. <i>Journal of Materials Chemistry</i> , 2011 , 21, 16349		244
23	Near-field multiple scattering effects of plasmonic nanospheres embedded into thin-film organic solar cells. <i>Applied Physics Letters</i> , 2011 , 99, 113304	3.4	64
22	Optical design of organic solar cell with hybrid plasmonic system. <i>Optics Express</i> , 2011 , 19, 15908-18	3.3	22
21	Angular response of thin-film organic solar cells with periodic metal back nanostrips. <i>Optics Letters</i> , 2011 , 36, 478-80	3	54
20	Directional far-field response of a spherical nanoantenna. <i>Optics Letters</i> , 2011 , 36, 2146-8	3	8
19	Systematic study of spontaneous emission in a two-dimensional arbitrary inhomogeneous environment. <i>Physical Review A</i> , 2011 , 83,	2.6	20
18	A comprehensive study for the plasmonic thin-film solar cell with periodic structure. <i>Optics Express</i> , 2010 , 18, 5993-6007	3.3	58
17	BiOX (X = Cl, Br, I) photocatalysts prepared using NaBiO ₃ as the Bi source: Characterization and catalytic performance. <i>Catalysis Communications</i> , 2010 , 11, 460-464	3.2	226

16	Photocatalytic decomposition of 4-t-octylphenol over NaBiO ₃ driven by visible light: catalytic kinetics and corrosion products characterization. <i>Journal of Hazardous Materials</i> , 2010 , 173, 765-72	12.8	81
15	Fast computation of radar cross-section by fast multipole method in conjunction with lifting wavelet-like transform. <i>IET Microwaves, Antennas and Propagation</i> , 2010 , 4, 2219	1.6	1
14	WAVEGUIDE SIMULATION USING THE HIGH-ORDER SYMPLECTIC FINITE-DIFFERENCE TIME-DOMAIN SCHEME. <i>Progress in Electromagnetics Research B</i> , 2009 , 13, 237-256	0.7	11
13	Solution of arbitrarily dimensional matrix equation in computational electromagnetics by fast lifting wavelet-like transform. <i>International Journal for Numerical Methods in Engineering</i> , 2009 , 80, 1124-1142	2.4	4
12	HIGH FREQUENCY SCATTERING BY AN IMPENETRABLE SPHERE. <i>Progress in Electromagnetics Research</i> , 2009 , 97, 291-325	3.8	8
11	Fast and accurate radar cross-section computation over a broad frequency band using the best uniform rational approximation. <i>IET Microwaves, Antennas and Propagation</i> , 2008 , 2, 200-204	1.6	11
10	A New Conformal FDTD(2,4) Scheme for Modeling Three-Dimensional Curved Perfectly Conducting Objects. <i>IEEE Microwave and Wireless Components Letters</i> , 2008 , 18, 149-151	2.6	4
9	Survey on Symplectic Finite-Difference Time-Domain Schemes for Maxwell's Equations. <i>IEEE Transactions on Antennas and Propagation</i> , 2008 , 56, 493-500	4.9	47
8	Hybrid Lifting Wavelet-Like Transform for Solution of Electromagnetic Integral Equation. <i>Chinese Physics Letters</i> , 2008 , 25, 1000-1003	1.8	1
7	Decomposition methods for time-domain Maxwell's equations. <i>International Journal for Numerical Methods in Fluids</i> , 2008 , 56, 1695-1704	1.9	
6	Optimal symplectic integrators for numerical solution of time-domain Maxwell's equations. <i>Microwave and Optical Technology Letters</i> , 2007 , 49, 545-547	1.2	2
5	Application of the high-order symplectic FDTD scheme to the curved three-dimensional perfectly conducting objects. <i>Microwave and Optical Technology Letters</i> , 2007 , 49, 931-934	1.2	1
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