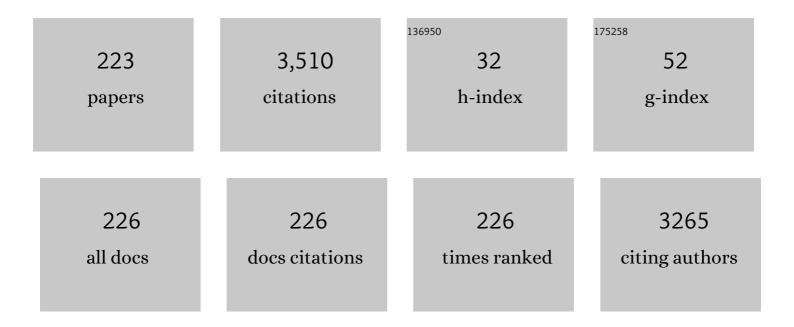
List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Polarization-Independent Metamaterial Analog of Electromagnetically Induced Transparency for a Refractive-Index-Based Sensor. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 3013-3022.	4.6	179
2	Leaky-Wave Antennas Based on Noncutoff Substrate Integrated Waveguide Supporting Beam Scanning From Backward to Forward. IEEE Transactions on Antennas and Propagation, 2016, 64, 2155-2164.	5.1	172
3	A low-power 20-GHz 52-dB/spl Omega/ transimpedance amplifier in 80-nm CMOS. IEEE Journal of Solid-State Circuits, 2004, 39, 885-894.	5.4	138
4	Multiple multipole method with automatic multipole setting applied to the simulation of surface plasmons in metallic nanostructures. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2002, 19, 101.	1.5	132
5	Energy-Time Entanglement Preservation in Plasmon-Assisted Light Transmission. Physical Review Letters, 2005, 94, 110501.	7.8	128
6	Band structure computations of metallic photonic crystals with the multiple multipole method. Physical Review B, 2002, 65, .	3.2	112
7	A 100-mW 4/spl times/10 Gb/s transceiver in 80-nm CMOS for high-density optical interconnects. IEEE Journal of Solid-State Circuits, 2005, 40, 2667-2679.	5.4	110
8	A very short planar silica spot-size converter using a nonperiodic segmented waveguide. Journal of Lightwave Technology, 1998, 16, 1680-1685.	4.6	103
9	A Method of Using Nonidentical Resonant Coils for Frequency Splitting Elimination in Wireless Power Transfer. IEEE Transactions on Power Electronics, 2015, 30, 6097-6107.	7.9	101
10	Optical forces on metallic nanoparticles induced by a photonic nanojet. Optics Express, 2008, 16, 13560.	3.4	85
11	Design and optimization of an achromatic photonic crystal bend. Optics Express, 2003, 11, 1378.	3.4	80
12	Periodic SIW Leaky-Wave Antenna With Large Circularly Polarized Beam Scanning Range. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 2493-2496.	4.0	63
13	On the design of photonic crystal multiplexers. Optics Express, 2003, 11, 566.	3.4	54
14	Theory of Plasmon-Assisted Transmission of Entangled Photons. Physical Review Letters, 2004, 92, 236801.	7.8	52
15	Probing the SERS brightness of individual Au nanoparticles, hollow Au/Ag nanoshells, Au nanostars and Au core/Au satellite particles: single-particle experiments and computer simulations. Nanoscale, 2018, 10, 21721-21731.	5.6	52
16	Electrically Controllable Composite Right/Left-Handed Leaky-Wave Antenna Using Liquid Crystals in PCB Technology. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2017, 7, 1331-1342.	2.5	50
17	Refractive index and scattering of porous TiO 2 films. Microporous and Mesoporous Materials, 2018, 264, 84-91.	4.4	48
18	VISTAS: A comprehensive system-oriented spatiotemporal VCSEL model. IEEE Journal of Selected Topics in Quantum Electronics, 2003, 9, 939-948.	2.9	47

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19	Tuning the resonance frequency of Ag-coated dielectric tips. Optics Express, 2007, 15, 8309.	3.4	46
20	Modelling and validation of dielectric properties of human skin in the MHz region focusing on skin layer morphology and material composition. Journal Physics D: Applied Physics, 2012, 45, 025301.	2.8	46
21	Modeling of discontinuities in photonic crystal waveguides with the multiple multipole method. Physical Review E, 2002, 66, 036618.	2.1	44
22	Realization of true all-optical AND logic gate based on nonlinear coupled air-hole type photonic crystal waveguides. Optics Express, 2018, 26, 19845.	3.4	44
23	Modelling effective dielectric properties of materials containing diverse types of biological cells. Journal Physics D: Applied Physics, 2010, 43, 365405.	2.8	41
24	Optimization of photonic crystal structures. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2004, 21, 2223.	1.5	40
25	Detailed analysis of the influence of an inductively coupled plasma reactive-ion etching process on the hole depth and shape of photonic crystals in InPâ^InGaAsP. Journal of Vacuum Science & Technology B, 2007, 25, 387.	1.3	38
26	Transparency and Diffused Light Efficiency of Dye-Sensitized Solar Cells: Tuning and a New Figure of Merit. IEEE Journal of Photovoltaics, 2020, 10, 522-530.	2.5	38
27	InP-Based THz Beam Steering Leaky-Wave Antenna. IEEE Transactions on Terahertz Science and Technology, 2021, 11, 218-230.	3.1	38
28	Optical Phase Locking by Local Oscillator Phase Dithering. IEEE Journal of Quantum Electronics, 2006, 42, 973-985.	1.9	36
29	An efficient proximity-effect correction method for electron-beam patterning of photonic-crystal devices. Microelectronic Engineering, 2003, 67-68, 182-188.	2.4	35
30	openEMS – a free and open source equivalentâ€circuit (EC) FDTD simulation platform supporting cylindrical coordinates suitable for the analysis of traveling wave MRI applications. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2013, 26, 680-696.	1.9	35
31	Liquid Crystal Leaky-Wave Antennas With Dispersion Sensitivity Enhancement. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2017, 7, 792-801.	2.5	35
32	Lasing in organic circular grating structures. Journal of Applied Physics, 2004, 96, 3043-3049.	2.5	34
33	Scaling effects on vertical-cavity surface-emitting lasers static and dynamic behavior. Journal of Applied Physics, 2002, 91, 5550-5557.	2.5	33
34	Enhanced propagation in a plasmonic chain waveguide with nanoshell structures based on low- and high-order mode coupling. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2008, 25, 1783.	1.5	33
35	Field Computations of Optical Antennas. Journal of Computational and Theoretical Nanoscience, 2007, 4, 686-691.	0.4	33
36	Toward Mobile Integrated Electronic Systems at THz Frequencies. Journal of Infrared, Millimeter, and Terahertz Waves, 2020, 41, 846-869.	2.2	32

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37	Highly efficient nano-tips with metal – dielectric coatings for tip-enhanced spectroscopy applications. Chemical Physics Letters, 2008, 453, 262-265.	2.6	30
38	Optimization of a 60° waveguide bend in InP-based 2D planar photonic crystals. Journal of the Optical Society of America B: Optical Physics, 2008, 25, 67.	2.1	28
39	AUTOMATIC DESIGN OF BROADBAND GRADIENT INDEX METAMATERIAL LENS FOR GAIN ENHANCEMENT OF CIRCULARLY POLARIZED ANTENNAS. Progress in Electromagnetics Research, 2013, 141, 17-32.	4.4	27
40	Highly confined photonic nanojet from elliptical particles. Journal of Modern Optics, 2014, 61, 1069-1076.	1.3	27
41	Fabrication of a hard mask for InP based photonic crystals: Increasing the plasma-etch selectivity of poly(methyl methacrylate) versus SiO[sub 2] and SiN[sub x]. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2005. 23. 3197.	1.6	25
42	Optical phase locked loop for transparent inter-satellite communications. Optics Express, 2005, 13, 3816.	3.4	25
43	Ultrafast farâ€infrared GaAs/AlGaAs photon drag detector in microwave transmission line topology. Applied Physics Letters, 1995, 67, 2827-2829.	3.3	24
44	Controllable Metamaterial-Loaded Waveguides Supporting Backward and Forward Waves. IEEE Transactions on Antennas and Propagation, 2011, 59, 3400-3411.	5.1	24
45	Ultrafast carrier dynamics in InP photonic crystals. Nanotechnology, 2005, 16, 949-952.	2.6	23
46	Numerical investigation of nematic liquid crystals in the THz band based on EIT sensor. Optics Express, 2018, 26, 12318.	3.4	21
47	Functional all-optical logic gates for true time-domain signal processing in nonlinear photonic crystal waveguides. Optics Express, 2020, 28, 18317.	3.4	20
48	Enhanced feedback in organic photonic-crystal lasers. Applied Physics Letters, 2005, 87, 151121.	3.3	19
49	Mode-locked laser diode with an ultrafast integrated uni-traveling carrier saturable absorber. Optics Letters, 2005, 30, 2808.	3.3	19
50	An analytic formalism for the emission of coherent transition radiation from an oblique finite thin metallic target screen. Nuclear Instruments & Methods in Physics Research B, 2007, 264, 361-370.	1.4	19
51	Electromagnetic Field Analysis of a Dipole Coil Element With Surface Impedance Characterized Shielding Plate for 7-T MRI. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 972-981.	4.6	19
52	Improving \$B_{1}\$ Efficiency and Signal-to-Noise-Ratio of a Surface Coil by a High-Impedance-Surface RF Shield for 7-T Magnetic Resonance Imaging. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 988-997.	4.6	18
53	Beam Switching Antenna Based on a Reconfigurable Cascaded Feeding Network. IEEE Transactions on Antennas and Propagation, 2018, 66, 627-635.	5.1	17
54	RF Shimming and Improved SAR Safety for MRI at 7 T With Combined Eight-Element Stepped Impedance Resonators and Traveling-Wave Antenna. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 540-555.	4.6	17

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55	Compact planar array antenna with electrically beam steering from backfire to endfire based on liquid crystal. IET Microwaves, Antennas and Propagation, 2018, 12, 1140-1146.	1.4	17
56	Near-field optics and control of photonic crystals. Photonics and Nanostructures - Fundamentals and Applications, 2005, 3, 63-74.	2.0	16
57	Ultrafast photon drag detector for intersubband spectroscopy. Superlattices and Microstructures, 1996, 19, 105-114.	3.1	15
58	Efficient Effective Permittivity Treatment for the 2D-FDTD Simulation of Photonic Crystals. Journal of Computational and Theoretical Nanoscience, 2007, 4, 644-648.	0.4	15
59	Analytical calculation of the Q factor for circular-grating microcavities. Journal of the Optical Society of America B: Optical Physics, 2007, 24, 906.	2.1	14
60	Spherical mm-Wave/THz Antenna Measurement System. IEEE Access, 2020, 8, 89680-89691.	4.2	14
61	Subharmonic Injection Locking for Phase and Frequency Control of RTD-Based THz Oscillator. IEEE Transactions on Terahertz Science and Technology, 2020, 10, 221-224.	3.1	14
62	A self-matched leaky-wave antenna for ultrahigh-field magnetic resonance imaging with low specific absorption rate. Nature Communications, 2021, 12, 455.	12.8	14
63	Unidirectional emission and detection of Lamb waves based on a powerful and compact coils-only EMAT. NDT and E International, 2021, 122, 102492.	3.7	14
64	2-D VCSEL model for investigation of dynamic fiber coupling and spatially filtered noise. IEEE Photonics Technology Letters, 2003, 15, 3-5.	2.5	13
65	Modal power loss coefficients for highly overmoded rectangular dielectric waveguides based on free space modes. Optics Express, 2004, 12, 1150.	3.4	13
66	Design of low-power fast VCSEL drivers for high-density links in 90-nm SOI CMOS. IEEE Transactions on Microwave Theory and Techniques, 2006, 54, 65-73.	4.6	13
67	Design and numerical demonstration of a 2D millimeter-wave beam-scanning reflectarray based on liquid crystals and a static driving technique. Journal Physics D: Applied Physics, 2019, 52, 275103.	2.8	13
68	Enhancement of the mode coupling in photonic-crystal-based organic lasers. Journal of Optics, 2005, 7, S230-S234.	1.5	12
69	High-temperature optical gain of 980 nm InGaAs/AlGaAs quantum-well lasers. Applied Physics Letters, 2000, 77, 2301-2303.	3.3	11
70	Comparison of simulation and measurement of dynamic fiber-coupling effects for high-speed multimode VCSELs. Journal of Lightwave Technology, 2005, 23, 2318-2330.	4.6	11
71	Control of Fano line shapes by means of photonic crystal structures in a dye-doped polymer. Applied Physics Letters, 2007, 90, 201105.	3.3	11
72	Mode-Locked InP-Based Laser Diode With a Monolithic Integrated UTC Absorber for Subpicosecond Pulse Generation. IEEE Journal of Quantum Electronics, 2009, 45, 322-335.	1.9	11

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73	Numerical investigations of a multi-walled carbon nanotube-based multi-segmented optical antenna. Applied Physics B: Lasers and Optics, 2010, 101, 601-609.	2.2	11
74	Metamaterial-based transmit and receive system for whole-body magnetic resonance imaging at ultra-high magnetic fields. PLoS ONE, 2018, 13, e0191719.	2.5	11
75	Equivalent Circuit (EC) FDTD Method for the Modeling of Surface Plasmon Based Couplers. Journal of Computational and Theoretical Nanoscience, 2008, 5, 690-703.	0.4	10
76	Positional dependence of FDTD mode detection in photonic crystal systems. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2009, 22, 201-218.	1.9	9
77	Quasi-analytic steady-state solution of VCSEL rate equations including spatial hole burning and carrier diffusion losses. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2003, 16, 143-159.	1.9	8
78	A "standing-wave meter―to measure dispersion and loss of photonic-crystal waveguides. Applied Physics Letters, 2005, 87, 261110.	3.3	8
79	Coating damage localization of naval vessels using artificial neural networks. Ocean Engineering, 2019, 192, 106560.	4.3	8
80	OAM Mode Order Conversion and Clutter Rejection With OAM-Coded RFID Tags. IEEE Access, 2020, 8, 218729-218738.	4.2	8
81	Equivalent Circuit Model Separating Dissipative and Radiative Losses for the Systematic Design of Efficient Microstrip-Based On-Chip Antennas. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 1282-1294.	4.6	8
82	Theory of soliton propagation in nonlinear photonic crystal waveguides. Optics Express, 2019, 27, 29558.	3.4	8
83	Femtosecond time-and-space domain holograms: diffraction on the edge of time. Journal of Luminescence, 1995, 64, 283-290.	3.1	7
84	Influence of proximity effects in electron-beam lithography on the optical properties of planar photonic-crystal waveguides. Journal of Applied Physics, 2007, 102, 083110.	2.5	7
85	Focused ion beam modifications of indium phosphide photonic crystals. Microelectronic Engineering, 2007, 84, 1244-1247.	2.4	7
86	Single-shot electron bunch length measurements using a spatial electro-optical autocorrelation interferometer. Review of Scientific Instruments, 2010, 81, 104702.	1.3	7
87	Reduced Coulomb interaction in organic solar cells by the introduction of inorganic high- <i>k</i> nanostructured materials. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 1712-1718.	1.8	7
88	Semiperiodicity versus periodicity for ultra broadband optical absorption in thin-film solar cells. Journal of Nanophotonics, 2016, 10, 036018.	1.0	7
89	Conversion of UEP Signatures Between Different Environmental Conditions Using Shaft Currents. IEEE Journal of Oceanic Engineering, 2016, 41, 105-111.	3.8	7
90	Frequency locking of a free running resonant tunneling diode oscillator by wire-less sub-harmonic injection locking. , 2017, , .		7

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91	Triple-Barrier Resonant-Tunnelling Diode THz Detectors with on-chip antenna. , 2019, , .		7
92	Evolutionary optimization of non-periodic coupled-cavity semiconductor laser diodes. Optical and Quantum Electronics, 1998, 30, 287-303.	3.3	6
93	An evolutionary optimization procedure applied to the synthesis of integrated spot-size converters. Optical and Quantum Electronics, 1998, 30, 305-321.	3.3	6
94	The Influence of Particle Shapes on the Optical Response of Nearly Touching Plasmonic Nanoparticle Dimers. Journal of Computational and Theoretical Nanoscience, 2010, 7, 1610-1615.	0.4	6
95	Highly adaptive RF excitation scheme based on conformal resonant CRLH metamaterial ring antennas for 7-Tesla traveling-wave magnetic resonance imaging. , 2011, 2011, 554-8.		6
96	Average light velocities in periodic media. Journal of the Optical Society of America B: Optical Physics, 2013, 30, 2849.	2.1	6
97	Coupling investigation of different RF coil elements for 7-tesla magnetic resonance imaging based on characteristic mode analysis. , 2014, , .		6
98	Scattered Field Leapfrog ADI–FDTD Method for Drude Dispersive Media. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 1585-1588.	4.0	6
99	Digital signal processing in coupled photonic crystal waveguides and its application to an all-optical AND logic gate. Optical and Quantum Electronics, 2019, 51, 1.	3.3	6
100	Experimental and numerical investigations of a small animal coil for ultra-high field magnetic resonance imaging (7T). Current Directions in Biomedical Engineering, 2019, 5, 525-528.	0.4	6
101	Nanoparticle inkâ€based silicon Schottky diodes operating up to 2.84ÂGHz. Nano Select, 2020, 1, 659-665.	3.7	6
102	Band-Gap Solitons in Nonlinear Photonic Crystal Waveguides and Their Application for Functional All-Optical Logic Gating. Photonics, 2021, 8, 250.	2.0	6
103	Formation of Fe-Ni Nanoparticle Strands in Macroscopic Polymer Composites: Experiment and Simulation. Nanomaterials, 2021, 11, 2095.	4.1	6
104	Modeling disorder in two-dimensional colloidal crystals based on electron microscope measurements. Applied Optics, 2020, 59, 10432.	1.8	6
105	Modeling and optimization of non-periodic grating couplers. Optical and Quantum Electronics, 2002, 34, 1051-1069.	3.3	5
106	Design and measurement of an ultrafast absorber for monolithically integrated InGaAsp/InP mode-locked laser diodes. , 0, , .		5
107	Efficient coupling into and out of high-Q resonators. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2004, 21, 1512.	1.5	5
108	Tradeoffs of vertical-cavity surface emitting lasers modeling for the development of driver circuits in short distance optical links. Optical Engineering, 2005, 44, 105401.	1.0	5

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109	Quasi-analytic formalism for mode characteristics in highly overmoded rectangular dielectric waveguide bends. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2005, 22, 1968.	1.5	5
110	Design and Analysis of Planar Photonic Band Gap Devices. Journal of Infrared, Millimeter and Terahertz Waves, 2008, 29, 1172-1185.	0.6	5
111	Relevance of the light line in planar photonic crystal waveguides with weak vertical confinement. Optics Express, 2011, 19, 24344.	3.4	5
112	RF coil element with longitudinal and transversal two-peak field distribution for low SAR 7-Tesla magnetic resonance imaging. , 2013, , .		5
113	A compact electromagnetic bandgap structure based on multi-layer technology for 7-Tesla magnetic resonance imaging applications. , 2014, , .		5
114	Modelling of electron beam induced nanowire attraction. Journal of Applied Physics, 2016, 119, 145101.	2.5	5
115	REALIZATION OF ALL-OPTICAL DIGITAL AMPLIFICATION IN COUPLED NONLINEAR PHOTONIC CRYSTAL WAVEGUIDES. Progress in Electromagnetics Research, 2017, 158, 63-72.	4.4	5
116	ANALYSIS OF POST-WALL WAVEGUIDES AND CIRCUITS USING A MODEL OF TWO-DIMENSIONAL PHOTONIC CRYSTALS. Progress in Electromagnetics Research M, 2017, 56, 91-100.	0.9	5
117	Above Water Electric Potential Signatures of Submerged Naval Vessels. Journal of Marine Science and Engineering, 2019, 7, 53.	2.6	5
118	Alternative formulation of carrier transport in spatially-dependent laser rate equations. Optical and Quantum Electronics, 2004, 36, 881-891.	3.3	4
119	Limitations of proximity-effect correction for electron-beam patterning of photonic crystals. , 2004, ,		4
120	Phase-sensitive lock-in detection of semiconductor waveguide intensity profiles. Review of Scientific Instruments, 2005, 76, 113102.	1.3	4
121	A 40 Gb/s Optical Receiver in 80-nm CMOS for Short-Distance High-Density Interconnects. , 2006, , .		4
122	A metamaterial based dual-resonant coil element for combined sodium/hydrogen MRI at 7†Tesla. TM Technisches Messen, 2017, 84, 2-12.	0.7	4
123	Resonant Antenna Periodically Loaded with Series Capacitances for Enhanced Radiation Efficiency. , 2019, , .		4
124	Reducing the Divergence of Vortex Waves with a Lens Tailored to the Utilized Circular Antenna Array. , 2019, , .		4
125	Dynamic-range Enhancement of Heterodyne THz Imaging by the Use of a Soft Paraffin-wax Substrate Lens on the Detector. , 2019, , .		4
126	Maximizing Information Extraction of Extended Radar Targets Through MIMO Beamforming. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 539-543.	3.1	4

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127	A compact and powerful EMAT design for contactless detection of inhomogeneities inside the liquid volume of metallic tanks. TM Technisches Messen, 2020, 87, 349-359.	0.7	4
128	A Simple Superposition Formulation to Predict the Underwater Electric Potential Signature of Naval Vessels. Journal of Marine Science and Engineering, 2020, 8, 105.	2.6	4
129	Examination of the Liquid Volume Inside Metal Tanks Using Noncontact EMATs From Outside. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2021, 68, 1314-1327.	3.0	4
130	Photonic Signatures of Spin-Driven Ferroelectricity in Multiferroic Dielectric Oxides. Physical Review Letters, 2021, 127, 127601.	7.8	4
131	A Liquid Crystal Based Dynamic Metasurface for Beam Steering and Computational Imaging. , 2020, , .		4
132	Towards structural optimization of planar integrated lightwave circuits. Optical and Quantum Electronics, 2000, 32, 701-718.	3.3	3
133	Lasing in interferometrically structured organic materials. Applied Physics Letters, 2005, 87, 241124.	3.3	3
134	Photonic integration for high-denisty and multifunctionality in the InP-material system. , 2006, , .		3
135	Enhanced feedback and experimental band mapping of organic photonic-crystal lasers. Journal of Optics, 2006, 8, S273-S277.	1.5	3
136	Ultra-Compact Power Splitter Based on Coupled Surface Plasmons. , 2007, , .		3
137	Improved B <inf>1</inf> distribution of an MRI RF coil element using a high-impedance-surface shield. , 2015, , .		3
138	Unconditionally stable FDTD scattered field formulation for dispersive media. Microwave and Optical Technology Letters, 2016, 58, 1778-1782.	1.4	3
139	Improved field homogeneity for multi-channel stepped impedance microstrip transceiver arrays and travelling wave for MRI at 7T. , 2016, , .		3
140	Multi-functional RF coils for ultra-high field MRI based on 1D/2D electromagnetic metamaterials. Journal of Physics: Conference Series, 2018, 1092, 012031.	0.4	3
141	Efficient analysis method of light scattering by a grating of plasmonic nanorods. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2018, 37, 1436-1448.	0.9	3
142	Transmitarray Element Design for Subharmonic Injection-locked RTD Oscillators in THz Band. , 2019, , .		3
143	Efficient Analysis of Electromagnetic Scattering in Post-Wall Waveguides and Its Application to Optimization of Millimeter Wave Filters. IEEE Open Journal of Antennas and Propagation, 2020, 1, 448-455.	3.7	3
144	A Stochastic Large-Signal Model for Printed High-Frequency Rectifiers Used for Efficient Generation of Higher Harmonics. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 2151-2160.	4.6	3

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145	Three-dimensional Magnetic Induction Tomography: Improved Performance for the Center Regions inside a Low Conductive and Voluminous Body. Sensors, 2020, 20, 1306.	3.8	3
146	Retrodirective Dielectric Resonator Tag With Polarization Twist Signature for Clutter Suppression in Self-Localization System. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 5291-5299.	4.6	3
147	Optical investigation of porous TiO2 in mesostructured solar cells. , 2018, , .		3
148	Thickness-dependent slow light gap solitons in three-dimensional coupled photonic crystal waveguides. Optics Letters, 2022, 47, 2794.	3.3	3
149	Verilog-A implementation of a 2D spatiotemporal VCSEL model for system-oriented simulations of optical links. Microwave and Optical Technology Letters, 2003, 38, 304-308.	1.4	2
150	Active compensation of improper waveguide coupling through vertical-cavity surface-emitting laser electronic beam shaping. Journal of the Optical Society of America B: Optical Physics, 2003, 20, 2262.	2.1	2
151	Process optimization for dry etching of InP/InGaAsP-based photonic crystals with a Cl/sup 2//CH/sup 4//H/sup 2// mixture on an ICP-RIE. , 0, , .		2
152	Picosecond free-carrier recombination in indium phosphide photonic crystals. , 0, , .		2
153	Publisher's Note: Energy-Time Entanglement Preservation in Plasmon-Assisted Light Transmission [Phys. Rev. Lett.94, 110501 (2005)]. Physical Review Letters, 2005, 94, .	7.8	2
154	A multiple regrowth process for monolithically-integrated InP-based mode-locked laser diodes with uni-travelling carrier absorber. , 2006, 6183, 359.		2
155	Sharp trench waveguide bend with photonic crystals: simulation, fabrication and characterization. , 2007, , .		2
156	B1-field inhomogeneity problem of MRI: Basic investigations on a head-tissue-simulating cylinder phantom excited by a birdcage-mode. , 2012, , .		2
157	Tailored RF magnetic field distribution along the bore of a 7-Tesla traveling-wave magnetic resonance imaging system. , 2013, , .		2
158	Field Distribution and Coupling Investigation of an Eight-Channel RF Coil Consisting of Different Dipole Coil Elements for 7AT MRI. IEEE Transactions on Biomedical Engineering, 2017, 64, 1297-1304.	4.2	2
159	Tuning high impedance surfaces using coaxial cables for magnetic resonance imaging machines. International Journal of RF and Microwave Computer-Aided Engineering, 2018, 28, e21477.	1.2	2
160	Semiperiodic Ultra-Broadband Double-Grating to Improve c-Si Thin-Film Solar Cell's Optical Absorption, through Numerical Structural Optimization. Crystals, 2019, 9, 264.	2.2	2
161	Mutually Coupled Dielectric Resonators for On-Chip Antenna Efficiency Enhancement. , 2019, , .		2
162	A Method of Side-lobe Suppression for Reactance Modulated Antennas. , 2020, , .		2

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163	Characterization of Dielectric Materials by Sparse Signal Processing With Iterative Dictionary Updates. , 2020, 4, 1-4.		2
164	Beam Divergence Reduction of Vortex Waves With a Tailored Lens and a Tailored Reflector. IEEE Access, 2021, 9, 9800-9811.	4.2	2
165	Design of a 1-to-4 Subarray Element for Wireless Subharmonic Injection in the THz Band. , 2021, , .		2
166	Functionalizing plasmonic nanoparticles through adding a shell to improve electronic properties of c-Si thin-film solar cells. Journal of the Optical Society of America B: Optical Physics, 2019, 36, 101.	2.1	2
167	Noncontact reception of ultrasound from soft magnetic mild steel with zero applied bias field EMATs. NDT and E International, 2022, 125, 102569.	3.7	2
168	Three-Dimensional Magnetic Induction Tomography: Practical Implementation for Imaging throughout the Depth of a Low Conductive and Voluminous Body. Sensors, 2021, 21, 7725.	3.8	2
169	The Impact of Group Delay Dispersion on Radar Imaging With Multiresonant Antennas. IEEE Microwave and Wireless Components Letters, 2022, 32, 241-244.	3.2	2
170	Numerical investigation of nematic liquid crystals in the THz band based on EIT sensor. Optics Express, 2018, 26, 12318-12329.	3.4	2
171	Spectrally controlled interference of picosecond time-and-space-domain holograms. Optics Letters, 1995, 20, 1065.	3.3	1
172	Realistic two-dimensional models for planar photonic crystal devices. , 2004, , .		1
173	Near-field optical microscopy of light propagation through photonic crystal waveguide tapers. , 2005, , .		1
174	Comparison of monolithically integrated mode-locked laser diodes with uni-traveling carrier and multi-quantum well saturable absorbers. , 2005, , .		1
175	An ICP-RIE etching process for InP-based photonic crystals using Cl/sub 2//Ar/N/sub 2/ chemistry. , 0, , .		1
176	In-Plane Coupling into Circular-Grating Resonators for All-Optical Switching. , 2006, , .		1
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