

# Cumali Sabah

## 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.

153  
papers

2,678  
citations

29  
h-index

39  
g-index

182  
ext. papers

3,260  
ext. citations

2.2  
avg, IF

5.89  
L-index

#	Paper	IF	Citations
153	Highly sensitive metamaterial-based microwave sensor for the application of milk and dairy products.. <i>Applied Optics</i> , <b>2022</b> , 61, 1972-1981	1.7	0
152	Multi-band (9,4) chiral single-walled carbon nanotube based metamaterial absorber for solar cells. <i>Optics and Laser Technology</i> , <b>2021</b> , 134, 106623	4.2	3
151	Wideband Microwave Absorber Comprising Metallic Split-Ring Resonators Surrounded With E-Shaped Fractal Metamaterial. <i>IEEE Access</i> , <b>2021</b> , 9, 5670-5677	3.5	20
150	Microfluidic sensor applications by using chiral metamaterial. <i>Modern Physics Letters B</i> , <b>2020</b> , 34, 2050031.6	1.6	6
149	Metamaterial sensor application concrete material reinforced with carbon steel fiber. <i>Modern Physics Letters B</i> , <b>2020</b> , 34, 2050097	1.6	8
148	Electromagnetic simulations of polarization-insensitive and wide-angle multiband metamaterial absorber by incorporating double asterisk resonator. <i>Bulletin of Materials Science</i> , <b>2020</b> , 43, 1	1.7	10
147	Microwave power imaging detector based on metamaterial absorber. <i>Optical Engineering</i> , <b>2020</b> , 59,	1.1	6
146	Operating Frequency Reconfiguration Study for a Split Ring Resonator Based Microfluidic Sensor. <i>Journal of the Electrochemical Society</i> , <b>2020</b> , 167, 147512	3.9	8
145	Characterization of chiral metamaterial sensor with high sensitivity. <i>Optik</i> , <b>2020</b> , 202, 163673	2.5	6
144	Design and study of a metamaterial based sensor for the application of liquid chemicals detection. <i>Journal of Materials Research and Technology</i> , <b>2020</b> , 9, 10291-10304	5.5	25
143	Enhancement of image quality by using metamaterial inspired energy harvester. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2020</b> , 384, 126041	2.3	24
142	Terahertz metamaterial absorber comprised of H-shaped resonator within split-square ring and its sensory application. <i>Optik</i> , <b>2019</b> , 192, 162976	2.5	8
141	Some aspects of mass-energy equivalence which appears in left-handed metamaterials. <i>EPJ Applied Metamaterials</i> , <b>2019</b> , 6, 16	0.8	8
140	Solar energy harvesting with ultra-broadband metamaterial absorber. <i>International Journal of Modern Physics B</i> , <b>2019</b> , 33, 1950056	1.1	38
139	A Comprehensive Study on Fuel Adulteration Sensing by Using Triple Ring Resonator Type Metamaterial. <i>Journal of the Electrochemical Society</i> , <b>2019</b> , 166, B1044-B1052	3.9	20
138	Metamaterial-based fuel sensor application with three rhombus slots. <i>International Journal of Modern Physics B</i> , <b>2019</b> , 33, 1950276	1.1	5
137	Plasmonic resonances in sub-terahertz fishnet metamaterial based on complementary hexagonal resonator. <i>Optik</i> , <b>2019</b> , 178, 1062-1070	2.5	0

136	Absorber and sensor applications of complimentary H-shaped fishnet metamaterial for sub-terahertz frequency region. <i>Optik</i> , <b>2019</b> , 177, 64-70	2.5	3
135	Investigation of graphene-integrated tunable metamaterials in THz regime <b>2018</b> , 90, 1		2
134	Transmission Line Integrated Metamaterial Based Liquid Sensor. <i>Journal of the Electrochemical Society</i> , <b>2018</b> , 165, B251-B257	3.9	22
133	Design of metasurface polarization converter from linearly polarized signal to circularly polarized signal. <i>Optik</i> , <b>2018</b> , 161, 12-19	2.5	40
132	Sensory applications of resonator based metamaterial absorber. <i>Optik</i> , <b>2018</b> , 168, 741-746	2.5	23
131	Single- and multi-walled carbon nanotubes for solar cell applications. <i>International Journal of Modern Physics B</i> , <b>2018</b> , 32, 1830007	1.1	4
130	A numerically stable algorithm for scattering from several circular cylinders including metamaterials with different boundary conditions. <i>Optik</i> , <b>2018</b> , 168, 667-676	2.5	1
129	Broad band metamaterial absorber based on wheel resonators with lumped elements for microwave energy harvesting. <i>Optical and Quantum Electronics</i> , <b>2018</b> , 50, 1	2.4	26
128	Metamaterial-based high efficiency portable sensor application for determining branded and unbranded fuel oil. <i>Bulletin of Materials Science</i> , <b>2018</b> , 41, 1	1.7	12
127	Microfluidic and Fuel Adulteration Sensing by Using Chiral Metamaterial Sensor. <i>Journal of the Electrochemical Society</i> , <b>2018</b> , 165, B475-B483	3.9	31
126	Ultrathin thermally stable multiband metamaterial absorber design for solar energy applications. <i>Journal of Nanophotonics</i> , <b>2018</b> , 12, 1	1.1	2
125	Perfect metamaterial absorber for applications in sustainable and high-efficiency solar cells. <i>Journal of Nanophotonics</i> , <b>2018</b> , 12, 1	1.1	8
124	Improvement of multiband absorption with different technics (graphene, ito, and hole) for metamaterial absorber at optical frequencies. <i>Journal of Nanophotonics</i> , <b>2018</b> , 12, 1	1.1	1
123	Antenna-based microwave absorber for imaging in the frequencies of 1.8, 2.45, and 5.8GHz. <i>Optical Engineering</i> , <b>2018</b> , 57, 1	1.1	20
122	Metamaterial-based energy harvesting for GSM and satellite communication frequency bands. <i>Optical Engineering</i> , <b>2018</b> , 57, 1	1.1	16
121	Thermally and optically tunable sub-terahertz superconducting fishnet metamaterial. <i>Physica C: Superconductivity and Its Applications</i> , <b>2018</b> , 544, 46-53	1.3	4
120	Improvement in dye sensitized solar cells from past to present. <i>Optical and Quantum Electronics</i> , <b>2018</b> , 50, 1	2.4	19
119	Strong absorption of solar energy by using wide band metamaterial absorber designed with plus-shaped resonators. <i>International Journal of Modern Physics B</i> , <b>2018</b> , 32, 1850275	1.1	17

118	Metamaterial-based fluid sensor for identifying different types of fuel oil samples. <i>Chinese Journal of Physics</i> , <b>2018</b> , 56, 1872-1878	3.5	10
117	Cross-like terahertz metamaterial absorber for sensing applications <b>2018</b> , 91, 1		22
116	Microwave energy harvesting based on metamaterial absorbers with multi-layered square split rings for wireless communications. <i>Optics Communications</i> , <b>2017</b> , 392, 31-38	2	52
115	Broad-band polarization-independent metamaterial absorber for solar energy harvesting applications. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2017</b> , 90, 1-6	3	31
114	Zinc oxide tungsten-based pyramids in construction of ultra-broadband metamaterial absorber for solar energy harvesting. <i>IET Optoelectronics</i> , <b>2017</b> , 11, 114-120	1.5	10
113	Sensitive Metamaterial Sensor for Distinction of Authentic and Inauthentic Fuel Samples. <i>Journal of Electronic Materials</i> , <b>2017</b> , 46, 4955-4962	1.9	19
112	Implementation of a perfect metamaterial absorber into multi-functional sensor applications. <i>Modern Physics Letters B</i> , <b>2017</b> , 31, 1750176	1.6	11
111	Fourcross shaped metamaterial filters fabricated from high temperature superconducting YBCO and Au thin films for terahertz waves. <i>Superconductor Science and Technology</i> , <b>2017</b> , 30, 074006	3.1	7
110	Single- and double-sided sensor applications of metamaterials based on square-ring and diamond resonators for terahertz region. <i>Modern Physics Letters B</i> , <b>2017</b> , 31, 1750072	1.6	6
109	An indium tin oxide metasurface filter for terahertz applications: Design, fabrication, and characterization. <i>Modern Physics Letters B</i> , <b>2017</b> , 31, 1750074	1.6	2
108	Multifunctional metamaterial sensor applications based on chiral nihility. <i>Optical and Quantum Electronics</i> , <b>2017</b> , 49, 1	2.4	12
107	Design and Fabrication of a Novel Wideband DNG Metamaterial with the Absorber Application in Microwave X-Band. <i>Advances in Condensed Matter Physics</i> , <b>2017</b> , 2017, 1-8	1	6
106	Wideband Negative Permittivity and Double Negative Fishnet-Mushroom-Like Metamaterial in X-Band Waveguide. <i>Advances in Condensed Matter Physics</i> , <b>2017</b> , 2017, 1-7	1	11
105	Design of a wide band metasurface as a linear to circular polarization converter. <i>Modern Physics Letters B</i> , <b>2017</b> , 31, 1750274	1.6	24
104	Fluid, Strain and Rotation Sensing Applications by Using Metamaterial Based Sensor. <i>Journal of the Electrochemical Society</i> , <b>2017</b> , 164, B567-B573	3.9	36
103	Graphene-based wideband metamaterial absorber for solar cells application. <i>Journal of Nanophotonics</i> , <b>2017</b> , 11, 036008	1.1	21
102	Microwave metamaterial absorber for sensing applications. <i>Opto-electronics Review</i> , <b>2017</b> , 25, 318-325	2.4	52
101	Extremely-broad band metamaterial absorber for solar energy harvesting based on star shaped resonator. <i>Optical and Quantum Electronics</i> , <b>2017</b> , 49, 1	2.4	17

100	Metamaterial characterization by applying different boundary conditions on triangular split ring resonator type metamaterials. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , <b>2017</b> , 30, e2188	1	14
99	Multi-band metamaterial absorber topology for infrared frequency regime. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2017</b> , 86, 44-51	3	23
98	Polarization independent triple-band (5,4) semiconducting carbon nanotube metamaterial absorber design for visible and ultraviolet regions. <i>Journal of Nanophotonics</i> , <b>2017</b> , 11, 1	1.1	4
97	Thin film (6,5) semiconducting single-walled carbon nanotube metamaterial absorber for photovoltaic applications. <i>Optical Engineering</i> , <b>2017</b> , 56, 1	1.1	3
96	Metamaterial absorber-based multisensor applications using a meander-line resonator. <i>Optical Engineering</i> , <b>2017</b> , 56, 1	1.1	18
95	Metamelike Based Sensor Design and Application for Fuel Sector. <i>Uluslararası Muhendislik Arastirma Ve Gelistirme Dergisi</i> , <b>2017</b> , 9, 86-91	0.2	
94	Tunable perfect metamaterial absorber and sensor applications. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2016</b> , 27, 12091-12099	2.1	34
93	Theoretical and thermal characterization of a wideband perfect absorber for application in solar cells. <i>Applied Physics A: Materials Science and Processing</i> , <b>2016</b> , 122, 1	2.6	7
92	Dual-band high-frequency metamaterial absorber based on patch resonator for solar cell applications and its enhancement with graphene layers. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 687, 514-520	5.7	25
91	Electromagnetic energy harvesting and density sensor application based on perfect metamaterial absorber. <i>International Journal of Modern Physics B</i> , <b>2016</b> , 30, 1650133	1.1	17
90	Realization of polarization-angle-independent fishnet-based waveguide metamaterial comprised of octagon shaped resonators with sensor and absorber applications. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2016</b> , 27, 4777-4787	2.1	7
89	Multiband Metamaterial Absorber Design Based on Plasmonic Resonances for Solar Energy Harvesting. <i>Plasmonics</i> , <b>2016</b> , 11, 1313-1321	2.4	56
88	A Tunable Metamaterial Resonator Using Varactor Diodes to Facilitate the Design of Reconfigurable Microwave Circuits. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2016</b> , 63, 89-93	3.5	31
87	Design and characterization of a dual-band perfect metamaterial absorber for solar cell applications. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 671, 43-50	5.7	57
86	New generation chiral metamaterials with small and flat chirality over a certain frequency band based on circular split ring resonators for microwave filter applications. <i>Modern Physics Letters B</i> , <b>2016</b> , 30, 1650114	1.6	
85	Design and characterization of a resonator-based metamaterial and its sensor application using microstrip technology. <i>Optical Engineering</i> , <b>2016</b> , 55, 027107	1.1	18
84	Metal mesh filters based on Ti, ITO and Cu thin films for terahertz waves. <i>Optical and Quantum Electronics</i> , <b>2016</b> , 48, 1	2.4	6
83	Fishnet based metamaterial loaded THz patch antenna. <i>Optical and Quantum Electronics</i> , <b>2016</b> , 48, 1	2.4	35

82	New generation chiral metamaterials based on omega resonators with small and smooth chirality over a certain frequency band. <i>Modern Physics Letters B</i> , <b>2016</b> , 30, 1650040	1.6	
81	Polarization angle independent perfect multiband metamaterial absorber and energy harvesting application. <i>Journal of Computational Electronics</i> , <b>2016</b> , 15, 228-238	1.8	15
80	U-shaped frequency selective surfaces for single- and dual-band applications together with absorber and sensor configurations. <i>IET Microwaves, Antennas and Propagation</i> , <b>2016</b> , 10, 293-300	1.6	21
79	Perfect Metamaterial absorber based energy harvesting application in ISM Band. <i>International Journal of Business &amp; Technology</i> , <b>2016</b> , 4,		1
78	A frequency tunable metamaterial resonator using varactor diodes <b>2016</b> ,		4
77	Multi-band polarization independent cylindrical metamaterial absorber and sensor application. <i>Modern Physics Letters B</i> , <b>2016</b> , 30, 1650095	1.6	19
76	Wide-band polarization independent perfect metamaterial absorber based on concentric rings topology for solar cells application. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 680, 473-479	5.7	55
75	Perfect metamaterial absorbers with polarization angle independency in X-band waveguide. <i>Modern Physics Letters B</i> , <b>2016</b> , 30, 1650186	1.6	2
74	Metamaterial Absorber Based Multifunctional Sensors. <i>Journal of the Electrochemical Society</i> , <b>2016</b> , 163, B319-B324	3.9	6
73	Polarisation insensitive tunable metamaterial perfect absorber for solar cells applications. <i>IET Optoelectronics</i> , <b>2016</b> , 10, 211-216	1.5	14
72	Perfect metamaterial absorber design for solar cell applications. <i>Waves in Random and Complex Media</i> , <b>2015</b> , 25, 382-392	1.9	42
71	Dual-band perfect metamaterial absorber for solar cell applications. <i>Vacuum</i> , <b>2015</b> , 120, 68-74	3.7	64
70	Design and analysis of perfect metamaterial absorber in GHz and THz frequencies. <i>Journal of Electromagnetic Waves and Applications</i> , <b>2015</b> , 29, 2492-2500	1.3	27
69	Investigation of microwave metamaterial based on H-shaped resonator in a waveguide configuration and its sensor and absorber applications. <i>Journal of Electromagnetic Waves and Applications</i> , <b>2015</b> , 29, 819-831	1.3	12
68	Electromagnetic absorbance properties of a textile material coated using filtered arc-physical vapor deposition method. <i>Journal of Industrial Textiles</i> , <b>2015</b> , 45, 298-309	1.6	11
67	Alternative design of left-handed metamaterial based on circular resonator and wire strip for waveguide configurations with sensing and absorber applications. <i>Optical Engineering</i> , <b>2015</b> , 54, 087101 <sup>1.1</sup>		5
66	Tunable perfect metamaterial absorber design using the golden ratio and energy harvesting and sensor applications. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2015</b> , 26, 9735-9740	2.1	32
65	Biosensor applications of chiral metamaterials for marrowbone temperature sensing. <i>Journal of Electromagnetic Waves and Applications</i> , <b>2015</b> , 29, 2393-2403	1.3	25

64	90° Polarization rotator and antireflector using meanderline chiral metamaterials: Analytical and numerical approach. <i>Optik</i> , <b>2015</b> , 126, 5587-5592	2.5	2
63	Dynamic and tunable chiral metamaterials with wideband constant chirality over a certain frequency band. <i>Optik</i> , <b>2015</b> , 126, 4808-4812	2.5	1
62	Flexible chiral metamaterials with dynamically optical activity and high negative refractive index. <i>Modern Physics Letters B</i> , <b>2015</b> , 29, 1550087	1.6	2
61	Perfect metamaterial absorber-based energy harvesting and sensor applications in the industrial, scientific, and medical band. <i>Optical Engineering</i> , <b>2015</b> , 54, 097102	1.1	18
60	Design of tunable and dual/multi-band metamaterial based perfect microwave absorber. <i>International Journal of Applied Electromagnetics and Mechanics</i> , <b>2015</b> , 47, 729-735	0.4	
59	Polarization angle insensitive dual-band perfect metamaterial absorber for solar cell applications. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2015</b> , 12, 1241-1245		10
58	Polarization angle independent metamaterial absorber based on circle-shaped resonators with interference theory. <i>Modern Physics Letters B</i> , <b>2015</b> , 29, 1550188	1.6	
57	New generation planar chiral metamaterials with small and constant chirality over a certain frequency band. <i>Modern Physics Letters B</i> , <b>2015</b> , 29, 1450257	1.6	
56	Power analysis of multilayer structures composed of conventional materials and bi-anisotropic metamaterial slabs. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2014</b> , 31, 939	1.7	11
55	Polarization and angle independent perfect metamaterial absorber based on discontinuous cross-wire-strips. <i>Journal of Electromagnetic Waves and Applications</i> , <b>2014</b> , 28, 741-751	1.3	28
54	Photonic band gap engineering in two-dimensional photonic crystals and iso-frequency contours. <i>Journal of Electromagnetic Waves and Applications</i> , <b>2014</b> , 28, 253-263	1.3	3
53	A novel left-handed metamaterial based on circular resonator and wire strip for waveguide applications <b>2014</b> ,		1
52	New-Generation Chiral Metamaterials Based on Rectangular Split Ring Resonators With Small and Constant Chirality Over a Certain Frequency Band. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2014</b> , 62, 5745-5751	4.9	18
51	Perfect metamaterial absorber with polarization and incident angle independencies based on ring and cross-wire resonators for shielding and a sensor application. <i>Optics Communications</i> , <b>2014</b> , 322, 137-142	3.8	77
50	Polarization-insensitive FSS-based perfect metamaterial absorbers for GHz and THz frequencies. <i>Radio Science</i> , <b>2014</b> , 49, 306-314	1.4	27
49	POLARIZATION ANGLE INDEPENDENT PERFECT METAMATERIAL ABSORBERS FOR SOLAR CELL APPLICATIONS IN THE MICROWAVE, INFRARED, AND VISIBLE REGIME. <i>Progress in Electromagnetics Research</i> , <b>2014</b> , 144, 93-101	3.8	76
48	DESIGN OF POLARIZATION AND INCIDENT ANGLE INSENSITIVE DUAL-BAND METAMATERIAL ABSORBER BASED ON ISOTROPIC RESONATORS. <i>Progress in Electromagnetics Research</i> , <b>2014</b> , 144, 123-132	3.8	51
47	Asymmetric transmission of linearly polarized electromagnetic waves using chiral metamaterials with constant chirality over a certain frequency band. <i>Modern Physics Letters B</i> , <b>2014</b> , 28, 1450250	1.6	8

46	Design of Polarization- and Incident Angle-Independent Perfect Metamaterial Absorber with Interference Theory. <i>Journal of Electronic Materials</i> , <b>2014</b> , 43, 3949-3953	1.9	39
45	Tuning the electric resonance of a metamaterial based single-sided S-Shaped resonator <b>2014</b> ,		3
44	Metamaterial absorber-based sensor embedded into X-band waveguide. <i>Electronics Letters</i> , <b>2014</b> , 50, 1074-1076	1.1	17
43	Characterization of metamaterials using a new design and measurement technique for microstrip circuit applications <b>2014</b> ,		1
42	Chiral metamaterial structures with strong optical activity and their applications. <i>Optical Engineering</i> , <b>2014</b> , 53, 107101	1.1	14
41	Zigzag metallic conductors as frequency selective surfaces. <i>IET Microwaves, Antennas and Propagation</i> , <b>2013</b> , 7, 722-728	1.6	1
40	Diamond-shaped hole array in double-layer metal sheets for negative index of refraction. <i>Journal of Electromagnetic Waves and Applications</i> , <b>2013</b> , 27, 413-420	1.3	12
39	The analysis on sun tracking and cooling systems for photovoltaic panels. <i>Renewable and Sustainable Energy Reviews</i> , <b>2013</b> , 22, 598-603	16.2	34
38	Multiband Metamaterials Based on Multiple Concentric Open-Ring Resonators Topology. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2013</b> , 19, 8500808-8500808	3.8	33
37	Experimental analysis of E-shaped magnetic resonator for mu-negative metamaterials. <i>Optics Communications</i> , <b>2013</b> , 294, 409-413	2	20
36	Stepwise technique for accurate and unique retrieval of electromagnetic properties of bianisotropic metamaterials. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2013</b> , 30, 1058	1.7	49
35	Transmission tunneling through the periodic sequence of double-negative and double-positive layers <b>2013</b> ,		1
34	Broadside-coupled triangular split-ring-resonators for terahertz sensing. <i>EPJ Applied Physics</i> , <b>2013</b> , 61, 30402	1.1	17
33	TRANSMISSION TUNNELING THROUGH THE MULTILAYER DOUBLE-NEGATIVE AND DOUBLE-POSITIVE SLABS. <i>Progress in Electromagnetics Research</i> , <b>2013</b> , 138, 293-306	3.8	27
32	ASYMMETRIC TRANSMISSION OF LINEARLY POLARIZED WAVES AND DYNAMICALLY WAVE ROTATION USING CHIRAL METAMATERIAL. <i>Progress in Electromagnetics Research</i> , <b>2013</b> , 140, 227-239	3.8	31
31	DUAL-BAND POLARIZATION INDEPENDENT METAMATERIAL ABSORBER BASED ON OMEGA RESONATOR AND OCTA-STAR STRIP CONFIGURATION. <i>Progress in Electromagnetics Research</i> , <b>2013</b> , 141, 219-231	3.8	32
30	Terahertz sensing application by using planar split-ring-resonator structures. <i>Microsystem Technologies</i> , <b>2012</b> , 18, 2071-2076	1.7	37
29	Multi-Resonant Metamaterial Design Based On Concentric V-Shaped Magnetic Resonators. <i>Journal of Electromagnetic Waves and Applications</i> , <b>2012</b> , 26, 1105-1115	1.3	17



28	Microwave response of octagon-shaped parallel plates: Low-loss metamaterial. <i>Optics Communications</i> , <b>2012</b> , 285, 4549-4552	2	21
27	Effect of the Metallization on the Resonances of THz Fishnet Metamaterials. <i>Journal of the European Optical Society-Rapid Publications</i> , <b>2012</b> , 7,	2.5	8
26	APPLICATION OF A USEFUL UNCERTAINTY ANALYSIS AS A METRIC TOOL FOR ASSESSING THE PERFORMANCE OF ELECTROMAGNETIC PROPERTIES RETRIEVAL METHODS OF BIANISOTROPIC METAMATERIALS. <i>Progress in Electromagnetics Research</i> , <b>2012</b> , 128, 365-380	3.8	5
25	RESOLVING PHASE AMBIGUITY IN THE INVERSE PROBLEM OF REFLECTION-ONLY MEASUREMENT METHODS. <i>Progress in Electromagnetics Research</i> , <b>2012</b> , 129, 405-420	3.8	22
24	RETRIEVAL OF EFFECTIVE ELECTROMAGNETIC PARAMETERS OF ISOTROPIC METAMATERIALS USING REFERENCE-PLANE INVARIANT EXPRESSIONS. <i>Progress in Electromagnetics Research</i> , <b>2012</b> , 132, 425-441	3.8	15
23	DESIGN OF A TERAHERTZ POLARIZATION ROTATOR BASED ON A PERIODIC SEQUENCE OF CHIRAL-METAMATERIAL AND DIELECTRIC SLABS. <i>Progress in Electromagnetics Research</i> , <b>2012</b> , 124, 301-314	3.8	38
22	Electric and magnetic excitations in anisotropic broadside-coupled triangular-split-ring resonators. <i>Applied Physics A: Materials Science and Processing</i> , <b>2012</b> , 108, 457-463	2.6	11
21	Dual-band polarization-independent sub-terahertz fishnet metamaterial. <i>Current Applied Physics</i> , <b>2012</b> , 12, 443-450	2.6	29
20	Differential uncertainty analysis for evaluating the accuracy of S-parameter retrieval methods for electromagnetic properties of metamaterial slabs. <i>Optics Express</i> , <b>2012</b> , 20, 29002-22	3.3	18
19	Bloch impedance analysis for a left handed transmission line. <i>Journal of Electrical Engineering</i> , <b>2012</b> , 63, 310-315	0.6	4
18	Periodic array of chiral metamaterial-dielectric slabs for the application as terahertz polarization rotator <b>2011</b> ,		3
17	Numerical and experimental investigation of fishnet-based metamaterial in a X-band waveguide. <i>Journal Physics D: Applied Physics</i> , <b>2011</b> , 44, 255101	3	21
16	Multiband planar metamaterials. <i>Microwave and Optical Technology Letters</i> , <b>2011</b> , 53, 2255-2258	1.2	21
15	Refraction Characteristics of Cold Plasma Thin Film as a Left-Handed Metamaterial. <i>Chinese Physics Letters</i> , <b>2011</b> , 28, 064204	1.8	3
14	Terahertz propagation properties of free-standing woven-steel-mesh metamaterials: Pass-bands and signatures of abnormal group velocities. <i>Journal of Applied Physics</i> , <b>2011</b> , 110, 064902	2.5	7
13	NOVEL, DUAL BAND, SINGLE AND DOUBLE NEGATIVE METAMATERIALS: NONCONCENTRIC DELTA LOOP RESONATORS. <i>Progress in Electromagnetics Research B</i> , <b>2010</b> , 25, 225-239	0.7	25
12	TUNABLE METAMATERIAL DESIGN COMPOSED OF TRIANGULAR SPLIT RING RESONATOR AND WIRE STRIP FOR S- AND C- MICROWAVE BANDS. <i>Progress in Electromagnetics Research B</i> , <b>2010</b> , 22, 341-357	0.7	36
11	Composition of non-concentric triangular split ring resonators and wire strip for dual-band negative index metamaterials <b>2010</b> ,		2

10	Transmission measurements of a new metamaterial sample with negative refraction index. <i>Physica B: Condensed Matter</i> , <b>2010</b> , 405, 2955-2958	2.8	14
9	MULTILAYER SYSTEM OF LORENTZ/DRUDE TYPE METAMATERIALS WITH DIELECTRIC SLABS AND ITS APPLICATION TO ELECTROMAGNETIC FILTERS. <i>Progress in Electromagnetics Research</i> , <b>2009</b> , 91, 349-364	3.8	88
8	High Reflection Coatings with Negative and Positive Refractive Indexes. <i>Progress in Electromagnetics Research Symposium: [proceedings] Progress in Electromagnetics Research Symposium</i> , <b>2009</b> , 5, 601-604		3
7	Left-handed chiral metamaterials. <i>Open Physics</i> , <b>2008</b> , 6,	1.3	9
6	Effects of Loss Factor on Plane Wave Propagation through a Left-Handed Material Slab. <i>Acta Physica Polonica A</i> , <b>2008</b> , 113, 1589-1597	0.6	6
5	Electromagnetic wave propagation through frequency-dispersive and lossy double-negative slab. <i>Opto-electronics Review</i> , <b>2007</b> , 15,	2.4	26
4	Frequency Response of Multilayer Media Comprised of Double-Negative and Double-Positive Slabs. <i>Chinese Physics Letters</i> , <b>2007</b> , 24, 1242-1244	1.8	3
3	Scattering Characteristics of Stratified Double Negative Stacks Using the Frequency Dispersive Cold Plasma Medium. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , <b>2007</b> , 62, 247-253	1.4	3
2	Reflection and transmission coefficients of multiple chiral layers. <i>Science in China Series D: Earth Sciences</i> , <b>2006</b> , 49, 457-467		9
1	Design of a linear to circular polarization converter integrated into a concrete construction for radome applications. <i>International Journal of Microwave and Wireless Technologies</i> , 1-8	0.8	4