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List of Publications by Year in Descending Order

99 papers	1,644 citations	25 h-index	34 g-index
111 ext. papers	2,060 ext. citations	2.5 avg, IF	5.19 L-index

#	Paper	IF	Citations
99	Chiral metamaterial-based sensor applications to determine quality of car lubrication oil. *Transactions of the Institute of Measurement and Control*, **2021**, 43, 1640-1649	1.8	6
98	C-shaped split ring resonator type metamaterial antenna design using neural network. *Optical Engineering*, **2021**, 60,	1.1	6
97	Investigation of methanol contaminated local spirit using metamaterial based transmission line sensor. *Measurement: Journal of the International Measurement Confederation*, **2021**, 178, 109360	4.6	5
96	Optimizing the Gain and Directivity of a Microstrip Antenna with Metamaterial Structures by Using Artificial Neural Network Approach. *Wireless Personal Communications*, **2021**, 118, 109-124	1.9	7
95	Seismic metamaterials for low-frequency mechanical wave attenuation. *Natural Hazards*, **2021**, 107, 213-229	3	3
94	Monopole antenna integrated cavity resonator for microwave imaging. *Optical Engineering*, **2021**, 60,	1.1	2
93	Multipurpose chemical liquid sensing applications by microwave approach. *PLoS ONE*, **2020**, 15, e0232469	3.7	5
92	Determination of frying sunflower oil usage time for local potato samples by using microwave transmission line based sensors. *Measurement: Journal of the International Measurement Confederation*, **2020**, 163, 108040	4.6	10
91	Microfluidic sensor applications by using chiral metamaterial. *Modern Physics Letters B*, **2020**, 34, 2050031	1.6	6
90	Investigation of microwave power limiter for Industrial Scientific Medical band (ISM) applications. *International Journal of RF and Microwave Computer-Aided Engineering*, **2020**, 30, e22180	1.5	4
89	Metamaterial sensor application concrete material reinforced with carbon steel fiber. *Modern Physics Letters B*, **2020**, 34, 2050097	1.6	8
88	Novel Metamaterials-Based Hypersensitized Liquid Sensor Integrating Omega-Shaped Resonator with Microstrip Transmission Line. *Sensors*, **2020**, 20,	3.8	29
87	Bandwidth Improvement in Bow-Tie Microstrip Antennas: The Effect of Substrate Type and Design Dimensions. *Applied Sciences (Switzerland)*, **2020**, 10, 504	2.6	10
86	Metamaterial based sensor integrating transmission line for detection of branded and unbranded diesel fuel. *Chemical Physics Letters*, **2020**, 742, 137169	2.5	21
85	Investigation of the mechanic, electromagnetic characteristics and shielding effectiveness of concrete with boron ores and boron containing wastes. *Construction and Building Materials*, **2020**, 252, 119058	6.7	10
84	Microwave power imaging detector based on metamaterial absorber. *Optical Engineering*, **2020**, 59,	1.1	6
83	Operating Frequency Reconfiguration Study for a Split Ring Resonator Based Microfluidic Sensor. *Journal of the Electrochemical Society*, **2020**, 167, 147512	3.9	8

82	Characterization of chiral metamaterial sensor with high sensitivity. *Optik*, **2020**, 202, 163673	2.5	6
81	Investigation of cotton fabric composites as a natural radar-absorbing material. *Aircraft Engineering and Aerospace Technology*, **2020**, 92, 1275-1280	1.2	8
80	Design of a metamaterial inspired omega shaped resonator based sensor for industrial implementations. *Physica E: Low-Dimensional Systems and Nanostructures*, **2020**, 116, 113734	3	10
79	Enhancement of image quality by using metamaterial inspired energy harvester. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2020**, 384, 126041	2.3	24
78	Multipurpose chemical liquid sensing applications by microwave approach **2020**, 15, e0232460		
77	Multipurpose chemical liquid sensing applications by microwave approach **2020**, 15, e0232460		
76	Multipurpose chemical liquid sensing applications by microwave approach **2020**, 15, e0232460		
75	Multipurpose chemical liquid sensing applications by microwave approach **2020**, 15, e0232460		
74	An electromagnetic non-destructive approach to determine dispersion and orientation of fiber reinforced concretes. *Measurement: Journal of the International Measurement Confederation*, **2019**, 138, 356-367	4.6	16
73	A Nondestructive Method for Determining Fiber Content and Fiber Ratio in Concretes Using a Metamaterial Sensor Based on a V-Shaped Resonator. *Journal of Electronic Materials*, **2019**, 48, 2469-2481	1.9	14
72	Artificial neural network approach for locomotive maintenance by monitoring dielectric properties of engine lubricant. *Measurement: Journal of the International Measurement Confederation*, **2019**, 145, 678-686	4.6	21
71	Exhibition of polarization conversions with asymmetric transmission theory, natural like chiral, artificial chiral nihility and retrieval studies for K- and C-band radar applications. *Bulletin of Materials Science*, **2019**, 42, 1	1.7	15
70	Metamaterial absorber sensor design by incorporating swastika shaped resonator to determination of the liquid chemicals depending on electrical characteristics. *Physica E: Low-Dimensional Systems and Nanostructures*, **2019**, 114, 113593	3	40
69	Smart monopole antenna with pattern and frequency reconfiguration characteristics based on programmable metasurface. *International Journal of RF and Microwave Computer-Aided Engineering*, **2019**, 29, e21805	1.5	2
68	Solar energy harvesting with ultra-broadband metamaterial absorber. *International Journal of Modern Physics B*, **2019**, 33, 1950056	1.1	38
67	Chemical Liquid and Transformer Oil Condition Sensor Based on Metamaterial-Inspired Labyrinth Resonator. *Journal of the Electrochemical Society*, **2019**, 166, B482-B488	3.9	32
66	Determination of the liquid chemicals depending on the electrical characteristics by using metamaterial absorber based sensor. *Chemical Physics Letters*, **2019**, 732, 136655	2.5	29
65	A Comprehensive Study on Fuel Adulteration Sensing by Using Triple Ring Resonator Type Metamaterial. *Journal of the Electrochemical Society*, **2019**, 166, B1044-B1052	3.9	20

64	Metamaterial-based fuel sensor application with three rhombus slots. *International Journal of Modern Physics B*, **2019**, 33, 1950276	1.1	5
63	Metamaterial inspired sensor for detection of engine lubricant oil condition **2019**,		1
62	High Sensitive Metamaterial Sensor for Water Treatment Centres. *Water, Air, and Soil Pollution*, **2019**, 230, 1	2.6	13
61	Wide band fractal-based perfect energy absorber and power harvester. *International Journal of RF and Microwave Computer-Aided Engineering*, **2019**, 29, e21597	1.5	21
60	Polarization independent broadband metamaterial absorber for microwave applications. *International Journal of RF and Microwave Computer-Aided Engineering*, **2019**, 29, e21630	1.5	16
59	Transmission Line Integrated Metamaterial Based Liquid Sensor. *Journal of the Electrochemical Society*, **2018**, 165, B251-B257	3.9	22
58	Design of metasurface polarization converter from linearly polarized signal to circularly polarized signal. *Optik*, **2018**, 161, 12-19	2.5	40
57	Experimental work on mechanical, electromagnetic and microwave shielding effectiveness properties of mortar containing electric arc furnace slag. *Construction and Building Materials*, **2018**, 165, 58-63	6.7	30
56	Sensory applications of resonator based metamaterial absorber. *Optik*, **2018**, 168, 741-746	2.5	23
55	Design of a dual band metamaterial absorber for Wi-Fi bands **2018**,		6
54	A Split Meander Line Resonator-Based Permittivity and Thickness Sensor Design for Dielectric Materials with Flat Surface. *Journal of Electronic Materials*, **2018**, 47, 6185-6192	1.9	17
53	Broad band metamaterial absorber based on wheel resonators with lumped elements for microwave energy harvesting. *Optical and Quantum Electronics*, **2018**, 50, 1	2.4	26
52	Microfluidic and Fuel Adulteration Sensing by Using Chiral Metamaterial Sensor. *Journal of the Electrochemical Society*, **2018**, 165, B475-B483	3.9	31
51	Antenna-based microwave absorber for imaging in the frequencies of 1.8, 2.45, and 5.8 GHz. *Optical Engineering*, **2018**, 57, 1	1.1	20
50	Metamaterial-based energy harvesting for GSM and satellite communication frequency bands. *Optical Engineering*, **2018**, 57, 1	1.1	16
49	Bak si Metamalzeme Kapl Mikro erit Anten Yap lar *ukurova iversitesi M hendislik-Mimarl k Fak ltesi Dergisi*, **2018**, 33, 1-254		
48	Linear to left- and right-hand circular polarization conversion by using a metasurface structure. *International Journal of Microwave and Wireless Technologies*, **2018**, 10, 133-138	0.8	23
47	Octagonal Shaped Metamaterial Absorber Based Energy Harvester. *Medziagotyra*, **2018**, 24,	0.4	4

46	Strong absorption of solar energy by using wide band metamaterial absorber designed with plus-shaped resonators. *International Journal of Modern Physics B*, **2018**, 32, 1850275	1.1	17
45	Microwave energy harvesting based on metamaterial absorbers with multi-layered square split rings for wireless communications. *Optics Communications*, **2017**, 392, 31-38	2	52
44	Broad-band polarization-independent metamaterial absorber for solar energy harvesting applications. *Physica E: Low-Dimensional Systems and Nanostructures*, **2017**, 90, 1-6	3	31
43	Zinc oxide□ungsten-based pyramids in construction of ultra-broadband metamaterial absorber for solar energy harvesting. *IET Optoelectronics*, **2017**, 11, 114-120	1.5	10
42	Broad band MA-based on three-type resonator having resistor for microwave energy harvesting. *Journal of Microwave Power and Electromagnetic Energy*, **2017**, 51, 134-149	1.4	13
41	Implementation of a perfect metamaterial absorber into multi-functional sensor applications. *Modern Physics Letters B*, **2017**, 31, 1750176	1.6	11
40	Design of a wide band metasurface as a linear to circular polarization converter. *Modern Physics Letters B*, **2017**, 31, 1750274	1.6	24
39	Fluid, Strain and Rotation Sensing Applications by Using Metamaterial Based Sensor. *Journal of the Electrochemical Society*, **2017**, 164, B567-B573	3.9	36
38	Microwave metamaterial absorber for sensing applications. *Opto-electronics Review*, **2017**, 25, 318-325	2.4	52
37	Extremely-broad band metamaterial absorber for solar energy harvesting based on star shaped resonator. *Optical and Quantum Electronics*, **2017**, 49, 1	2.4	17
36	Metamaterial absorber-based multisensor applications using a meander-line resonator. *Optical Engineering*, **2017**, 56, 1	1.1	18
35	New generation chiral metamaterials with small and flat chirality over a certain frequency band based on circular split ring resonators for microwave filter applications. *Modern Physics Letters B*, **2016**, 30, 1650114	1.6	
34	New generation chiral metamaterials based on omega resonators with small and smooth chirality over a certain frequency band. *Modern Physics Letters B*, **2016**, 30, 1650040	1.6	
33	Electromagnetic absorbance properties of a textile material coated using filtered arc-physical vapor deposition method. *Journal of Industrial Textiles*, **2015**, 45, 298-309	1.6	11
32	Tunable perfect metamaterial absorber design using the golden ratio and energy harvesting and sensor applications. *Journal of Materials Science: Materials in Electronics*, **2015**, 26, 9735-9740	2.1	32
31	Biosensor applications of chiral metamaterials for marrowbone temperature sensing. *Journal of Electromagnetic Waves and Applications*, **2015**, 29, 2393-2403	1.3	25
30	90□Polarization rotator and antireflector using meanderline chiral metamaterials: Analytical and numerical approach. *Optik*, **2015**, 126, 5587-5592	2.5	2
29	Dynamic and tunable chiral metamaterials with wideband constant chirality over a certain frequency band. *Optik*, **2015**, 126, 4808-4812	2.5	1

28	Flexible chiral metamaterials with dynamically optical activity and high negative refractive index. *Modern Physics Letters B*, **2015**, 29, 1550087	1.6	2
27	Design of tunable and dual/multi-band metamaterial based perfect microwave absorber. *International Journal of Applied Electromagnetics and Mechanics*, **2015**, 47, 729-735	0.4	
26	Polarization angle independent metamaterial absorber based on circle-shaped resonators with interference theory. *Modern Physics Letters B*, **2015**, 29, 1550188	1.6	
25	New generation planar chiral metamaterials with small and constant chirality over a certain frequency band. *Modern Physics Letters B*, **2015**, 29, 1450257	1.6	
24	Polarization and angle independent perfect metamaterial absorber based on discontinuous cross-wire-strips. *Journal of Electromagnetic Waves and Applications*, **2014**, 28, 741-751	1.3	28
23	Photonic band gap engineering in two-dimensional photonic crystals and iso-frequency contours. *Journal of Electromagnetic Waves and Applications*, **2014**, 28, 253-263	1.3	3
22	The analysis of PV power potential and system installation in Manavgat, Turkey: A case study in winter season. *Renewable and Sustainable Energy Reviews*, **2014**, 31, 671-680	16.2	17
21	New-Generation Chiral Metamaterials Based on Rectangular Split Ring Resonators With Small and Constant Chirality Over a Certain Frequency Band. *IEEE Transactions on Antennas and Propagation*, **2014**, 62, 5745-5751	4.9	18
20	Perfect metamaterial absorber with polarization and incident angle independencies based on ring and cross-wire resonators for shielding and a sensor application. *Optics Communications*, **2014**, 322, 137-142	2	77
19	Polarization-insensitive FSS-based perfect metamaterial absorbers for GHz and THz frequencies. *Radio Science*, **2014**, 49, 306-314	1.4	27
18	POLARIZATION ANGLE INDEPENDENT PERFECT METAMATERIAL ABSORBERS FOR SOLAR CELL APPLICATIONS IN THE MICROWAVE, INFRARED, AND VISIBLE REGIME. *Progress in Electromagnetics Research*, **2014**, 144, 93-101	3.8	76
17	DESIGN OF POLARIZATION AND INCIDENT ANGLE INSENSITIVE DUAL-BAND METAMATERIAL ABSORBER BASED ON ISOTROPIC RESONATORS. *Progress in Electromagnetics Research*, **2014**, 144, 123-132	3.8	51
16	Asymmetric transmission of linearly polarized electromagnetic waves using chiral metamaterials with constant chirality over a certain frequency band. *Modern Physics Letters B*, **2014**, 28, 1450250	1.6	8
15	Design of Polarization- and Incident Angle-Independent Perfect Metamaterial Absorber with Interference Theory. *Journal of Electronic Materials*, **2014**, 43, 3949-3953	1.9	39
14	Smart grid on energy efficiency application for wastewater treatment. *Environmental Progress and Sustainable Energy*, **2014**, 33, 556-563	2.5	4
13	Chiral metamaterial structures with strong optical activity and their applications. *Optical Engineering*, **2014**, 53, 107101	1.1	14
12	Zigzag metallic conductors as frequency selective surfaces. *IET Microwaves, Antennas and Propagation*, **2013**, 7, 722-728	1.6	1
11	Photonic crystal bend and applications. *Optik*, **2013**, 124, 2791-2797	2.5	2

10	The analysis on sun tracking and cooling systems for photovoltaic panels. *Renewable and Sustainable Energy Reviews*, **2013**, 22, 598-603	16.2	34
9	Low profile antenna radiation enhancement with novel electromagnetic band gap structures. *IET Microwaves, Antennas and Propagation*, **2013**, 7, 215-221	1.6	14
8	Transmission tunneling through the periodic sequence of double-negative and double-positive layers **2013**,		1
7	TRANSMISSION TUNNELING THROUGH THE MULTILAYER DOUBLE-NEGATIVE AND DOUBLE-POSITIVE SLABS. *Progress in Electromagnetics Research*, **2013**, 138, 293-306	3.8	27
6	ASYMMETRIC TRANSMISSION OF LINEARLY POLARIZED WAVES AND DYNAMICALLY WAVE ROTATION USING CHIRAL METAMATERIAL. *Progress in Electromagnetics Research*, **2013**, 140, 227-239	3.8	31
5	DUAL-BAND POLARIZATION INDEPENDENT METAMATERIAL ABSORBER BASED ON OMEGA RESOANATOR AND OCTA-STAR STRIP CONFIGURATION. *Progress in Electromagnetics Research*, **2013**, 141, 219-231	3.8	32
4	Planar Photonic Crystals Biosensor Applications of TiO2. *Acta Physica Polonica A*, **2012**, 122, 732-736	0.6	5
3	Effective electromagnetic shielding. *IEEE Microwave Magazine*, **2006**, 7, 48-54	1.2	39
2	Experimental verification of phononic crystal based on square arrays of cylindrical holes against seismic vibrations in full-scale systems: modeling, sensing and signal processing of seismic vibrations. *Archive of Applied Mechanics*,1	2.2	3
1	Design of a linear to circular polarization converter integrated into a concrete construction for radome applications. *International Journal of Microwave and Wireless Technologies*,1-8	0.8	4