

Yadgar I Abdulkarim

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

626
citations

516710
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all docs

33
docs citations

33
times ranked

342
citing authors

#	ARTICLE	IF	CITATIONS
1	Metamaterial absorber sensor design by incorporating swastika shaped resonator to determination of the liquid chemicals depending on electrical characteristics. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2019, 114, 113593.	2.7	61
2	Design and study of a metamaterial based sensor for the application of liquid chemicals detection. <i>Journal of Materials Research and Technology</i> , 2020, 9, 10291-10304.	5.8	60
3	Novel Metamaterials-Based Hypersensitized Liquid Sensor Integrating Omega-Shaped Resonator with Microstrip Transmission Line. <i>Sensors</i> , 2020, 20, 943.	3.8	48
4	Determination of the liquid chemicals depending on the electrical characteristics by using metamaterial absorber based sensor. <i>Chemical Physics Letters</i> , 2019, 732, 136655.	2.6	46
5	Simulation and lithographic fabrication of a triple band terahertz metamaterial absorber coated on flexible polyethylene terephthalate substrate. <i>Optical Materials Express</i> , 2022, 12, 338.	3.0	38
6	An ultrathin and dual band metamaterial perfect absorber based on ZnSe for the polarization-independent in terahertz range. <i>Results in Physics</i> , 2021, 26, 104344.	4.1	34
7	Metamaterial based sensor integrating transmission line for detection of branded and unbranded diesel fuel. <i>Chemical Physics Letters</i> , 2020, 742, 137169.	2.6	27
8	The Detection of Chemical Materials with a Metamaterial-Based Sensor Incorporating Oval Wing Resonators. <i>Electronics (Switzerland)</i> , 2020, 9, 825.	3.1	25
9	Simulated and experimental verification of the microwave dual-band metamaterial perfect absorber based on square patch with a 45° diagonal slot structure. <i>Journal of Electromagnetic Waves and Applications</i> , 2021, 35, 1541-1552.	1.6	24
10	New compact six-band metamaterial absorber based on Closed Circular Ring Resonator (CCRR) for Radar applications. <i>Optics Communications</i> , 2022, 503, 127457.	2.1	24
11	A thermally stable and polarization insensitive square-shaped water metamaterial with ultra-broadband absorption. <i>Journal of Materials Research and Technology</i> , 2021, 13, 1150-1158.	5.8	23
12	Simulated and experimental studies of a multi-band symmetric metamaterial absorber with polarization independence for radar applications. <i>Chinese Physics B</i> , 2022, 31, 058401.	1.4	22
13	Bandwidth Improvement in Bow-Tie Microstrip Antennas: The Effect of Substrate Type and Design Dimensions. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 504.	2.5	19
14	A Low-Profile Antenna Based on Single-Layer Metasurface for Ku-Band Applications. <i>International Journal of Antennas and Propagation</i> , 2020, 2020, 1-8.	1.2	19
15	Tunable left-hand characteristics in multi-nested square-split-ring enabled metamaterials. <i>Journal of Central South University</i> , 2020, 27, 1235-1246.	3.0	18
16	Determination of frying sunflower oil usage time for local potato samples by using microwave transmission line based sensors. <i>Measurement: Journal of the International Measurement Confederation</i> , 2020, 163, 108040.	5.0	16
17	Electromagnetic simulations of polarization-insensitive and wide-angle multiband metamaterial absorber by incorporating double asterisk resonator. <i>Bulletin of Materials Science</i> , 2020, 43, 1.	1.7	16
18	Utilization of a triple hexagonal split ring resonator (SRR) based metamaterial sensor for the improved detection of fuel adulteration. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 24258-24272.	2.2	14

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19	Enhanced light absorption in the organic thin films by coating cross-shaped metamaterial resonators onto the active layers. Results in Physics, 2019, 13, 102338.	4.1	13
20	Multipurpose chemical liquid sensing applications by microwave approach. PLoS ONE, 2020, 15, e0232460.	2.5	12
21	C-shaped split ring resonator type metamaterial antenna design using neural network. Optical Engineering, 2021, 60, .	1.0	12
22	Hypersensitized Metamaterials Based on a Corona-Shaped Resonator for Efficient Detection of Glucose. Applied Sciences (Switzerland), 2021, 11, 103.	2.5	12
23	Mutual Coupling Reduction of Cross-Dipole Antenna for Base Stations by Using a Neural Network Approach. Applied Sciences (Switzerland), 2020, 10, 378.	2.5	10
24	Highly sensitive metamaterial-based microwave sensor for the application of milk and dairy products. Applied Optics, 2022, 61, 1972.	1.8	10
25	Filtering two-element waveguide antenna array based on solely resonators. AEU - International Journal of Electronics and Communications, 2020, 121, 153232.	2.9	7
26	Design of a Broadband Coplanar Waveguide-Fed Antenna Incorporating Organic Solar Cells with 100% Insolation for Ku Band Satellite Communication. Materials, 2020, 13, 142.	2.9	7
27	Double Meander Dipole Antenna Array with Enhanced Bandwidth and Gain. International Journal of Antennas and Propagation, 2021, 2021, 1-8.	1.2	6
28	Broadband Microstrip Antenna for C-band, X-band, and KU-band Applications. , 2019, , .		3
29	High-Sensitivity Microwave Metamaterials Sensor Absorber for Chemical Liquids Detection. , 2019, , .		0
30	Multipurpose chemical liquid sensing applications by microwave approach. , 2020, 15, e0232460.		0
31	Multipurpose chemical liquid sensing applications by microwave approach. , 2020, 15, e0232460.		0
32	Multipurpose chemical liquid sensing applications by microwave approach. , 2020, 15, e0232460.		0
33	Multipurpose chemical liquid sensing applications by microwave approach. , 2020, 15, e0232460.		0