

Lianwen Deng

List of Publications by Year in descending order

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109
papers

2,554
citations

201674

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109
all docs

109
docs citations

109
times ranked

2325
citing authors

#	ARTICLE	IF	CITATIONS
1	Wideband Butler Matrix Based on Dual-Layer HMSIW for Enhanced Miniaturization. IEEE Microwave and Wireless Components Letters, 2022, 32, 25-28.	3.2	7
2	Tunable and broadband high-performance microwave absorption of ZnFe ₂ O ₄ nanoparticles decorated Ti ₃ C ₂ T _x MXene composites. Journal of Magnetism and Magnetic Materials, 2022, 541, 168544.	2.3	15
3	Metamaterial-based frequency reconfigurable microstrip antenna for wideband and improved gain performance. International Journal of RF and Microwave Computer-Aided Engineering, 2022, 32, e22988.	1.2	2
4	Dual-band metamaterial absorber with stable absorption performance based on fractal structure. Journal Physics D: Applied Physics, 2022, 55, 095003.	2.8	12
5	Enhanced Dielectric Loss to Improve Microwave-Absorbing Performance of Ti ₃ SiC ₂ /Co ₂ Z Ferrite Composites. Journal of Electronic Materials, 2022, 51, 847-856.	2.2	4
6	Molybdenum blue preassembly strategy to design bimetallic Fe _{0.54} Mo _{0.73} /Mo ₂ C@C for tuneable and low-frequency electromagnetic wave absorption. Inorganic Chemistry Frontiers, 2022, 9, 1931-1942.	6.0	9
7	Unravelling the Electromagnetic Behavior in Ordered Double-Perovskite Sr ₂ FeMoO ₆ . Journal of Electronic Materials, 2022, 51, 3430-3437.	2.2	2
8	Hexagonal Single-Crystal CoS Nanosheets: Controllable Synthesis and Tunable Oxygen Evolution Performance. Inorganic Chemistry, 2022, 61, 7568-7578.	4.0	6
9	Enhancement of Electrochromic Properties of Polyaniline Induced by Copper Ions. Nanoscale Research Letters, 2022, 17, 51.	5.7	12
10	Active metasurface microwave absorber with reconfigurable bandwidth and absorption intensity. Journal Physics D: Applied Physics, 2022, 55, 344003.	2.8	7
11	Design of Real-Time Automatic Gain Control Circuit for Ultra-Low-Frequency (ULF) Communications. , 2022, , .		0
12	Microwave Wireless Power Transfer System Based on a Frequency Reconfigurable Microstrip Patch Antenna Array. Energies, 2021, 14, 415.	3.1	10
13	Tunable electromagnetic properties in barium hexagonal ferrites with dual-ion substitution. Journal of Materials Science: Materials in Electronics, 2021, 32, 8275-8287.	2.2	8
14	Synthesis, thermal stability, magnetic properties, and microwave absorption applications of CoNi-C core-shell nanoparticles with tunable Co/Ni molar ratio. Results in Physics, 2021, 22, 103893.	4.1	11
15	A mV-level real-time peak-voltage detection circuit based on differential structure. Review of Scientific Instruments, 2021, 92, 034713.	1.3	4
16	Achieving superior energy storage and microwave absorption by simultaneously-controlling active heteroatoms and porosities in carbon nanosheets. Journal of Alloys and Compounds, 2021, 860, 157898.	5.5	9
17	Improved magnetic loss and impedance matching of the FeNi-decorated Ti ₃ C ₂ T MXene composite toward the broadband microwave absorption performance. Journal of Alloys and Compounds, 2021, 862, 158684.	5.5	40
18	Mechanism analysis of irradiation location dependent leakage current for zinc oxide thin-film transistors. AIP Advances, 2021, 11, 075108.	1.3	0

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19	Implementation of Adaptive Real-Time Camouflage System in Visible-Light Band. Applied Sciences (Switzerland), 2021, 11, 6706.	2.5	2
20	Porous Carbon Substrate Improving the Sensing Performance of Copper Nanoparticles Toward Glucose. Nanoscale Research Letters, 2021, 16, 127.	5.7	7
21	Implementation of Fuzzy C-Means (FCM) Clustering Based Camouflage Image Generation Algorithm. IEEE Access, 2021, 9, 120203-120209.	4.2	5
22	A comparative study on the dielectric response and microwave absorption performance of FeNi-capped carbon nanotubes and FeNi-cored carbon nanoparticles. Nanotechnology, 2021, 32, 105701.	2.6	20
23	Hypersensitized Metamaterials Based on a Corona-Shaped Resonator for Efficient Detection of Glucose. Applied Sciences (Switzerland), 2021, 11, 103.	2.5	12
24	N,N-Dimethyl Formamide Regulating Fluorescence of MXene Quantum Dots for the Sensitive Determination of Fe ³⁺ . Nanoscale Research Letters, 2021, 16, 160.	5.7	14
25	Design of Microstrip Patch Antenna Array with Enhanced Gain Based on the Metamaterial. , 2021, , .		0
26	Fractal Order Dependent Frequency-Shifting of Perfect Absorber Based on Fractal Pattern Enabled Metasurface. , 2021, , .		0
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	Compatibility of optical transparency and microwave absorption in C-band for the metamaterial with second-order cross fractal structure. Physica E: Low-Dimensional Systems and Nanostructures, 2020, 116, 113756.	2.7	10
29	Tunable electromagnetic and enhanced microwave absorption properties in CoFe ₂ O ₄ decorated Ti ₃ C ₂ MXene composites. Applied Surface Science, 2020, 504, 144210.	6.1	93
30	Tunable Magnetoelectric Response in Cofired (Bi _{0.5} Na _{0.5} TiO ₃ -Bi _{0.5} K _{0.5} TiO ₃)/CoFe ₂ O ₄ Laminated Composite. Journal of Electronic Materials, 2020, 49, 650-658.	2.2	2
31	Cu@C core-shell nanoparticles with efficient optical absorption: DDA-based simulation and experimental validation. Results in Physics, 2020, 16, 102885.	4.1	3
32	Tailoring microwave electromagnetic responses in Ti ₃ C ₂ T _x MXene with CoNi-alloy nanoparticles decoration via mild hydrothermal method. Results in Physics, 2020, 19, 103516.	4.1	26
33	Security Measurement in Industrial IoT with Cloud Computing Perspective: Taxonomy, Issues, and Future Directions. Scientific Programming, 2020, 2020, 1-31.	0.7	2
34	The Detection of Chemical Materials with a Metamaterial-Based Sensor Incorporating Oval Wing Resonators. Electronics (Switzerland), 2020, 9, 825.	3.1	25
35	Design and study of a metamaterial based sensor for the application of liquid chemicals detection. Journal of Materials Research and Technology, 2020, 9, 10291-10304.	5.8	60
36	Low-frequency resistive-type metamaterial with broadband absorption by employing screen-printing method. International Journal of Modern Physics B, 2020, 34, 2050298.	2.0	0

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37	Multipurpose chemical liquid sensing applications by microwave approach. PLoS ONE, 2020, 15, e0232460.	2.5	12
38	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.	5.0	16
39	A sensitivity-enhanced capacitance readout circuit with symmetric cross-coupling structure. Review of Scientific Instruments, 2020, 91, 035001.	1.3	1
40	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
41	Facile synthesis and influences of Fe/Ni ratio on the microwave absorption performance of ultra-small FeNi-C core-shell nanoparticles. Materials Research Bulletin, 2020, 126, 110837.	5.2	34
42	Novel Metamaterials-Based Hypersensitized Liquid Sensor Integrating Omega-Shaped Resonator with Microstrip Transmission Line. Sensors, 2020, 20, 943.	3.8	48
43	Bandwidth Improvement in Bow-Tie Microstrip Antennas: The Effect of Substrate Type and Design Dimensions. Applied Sciences (Switzerland), 2020, 10, 504.	2.5	19
44	Metamaterial based sensor integrating transmission line for detection of branded and unbranded diesel fuel. Chemical Physics Letters, 2020, 742, 137169.	2.6	27
45	C0.3NO.7Ti-SiC Toughed Silicon Nitride Hybrids with Non-Oxide Additives Ti3SiC2. Materials, 2020, 13, 1428.	2.9	1
46	An AMOLED Pixel Circuit Based on LTPS Thin-film Transistors with Mono-Type Scanning Driving. Electronics (Switzerland), 2020, 9, 574.	3.1	4
47	Electromagnetic simulations of polarization-insensitive and wide-angle multiband metamaterial absorber by incorporating double asterisk resonator. Bulletin of Materials Science, 2020, 43, 1.	1.7	16
48	Corrigendum to "Security Measurement in Industrial IoT with Cloud Computing Perspective: Taxonomy, Issues, and Future Directions". Scientific Programming, 2020, 2020, 1-1.	0.7	1
49	Omnidirectional wireless power transfer system with a multidirectional receiver inside a cubic transmitter. IEICE Electronics Express, 2020, 17, 20200257-20200257.	0.8	2
50	Multipurpose chemical liquid sensing applications by microwave approach. , 2020, 15, e0232460.		0
51	Multipurpose chemical liquid sensing applications by microwave approach. , 2020, 15, e0232460.		0
52	Multipurpose chemical liquid sensing applications by microwave approach. , 2020, 15, e0232460.		0
53	Multipurpose chemical liquid sensing applications by microwave approach. , 2020, 15, e0232460.		0
54	Enhanced microwave absorbing properties of La-modified Bi5Co0.5Fe0.5Ti3O15 multiferroics. Journal of Materials Science: Materials in Electronics, 2019, 30, 15619-15626.	2.2	5

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55	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
56	Omnidirectional magnetic resonant coupling wireless power transfer system with a cubic spiral transmitter. <i>AIP Advances</i> , 2019, 9, .	1.3	5
57	Facile synthesis of Fe/Fe ₃ C-C core-shell nanoparticles as a high-efficiency microwave absorber. <i>Applied Surface Science</i> , 2019, 493, 1083-1089.	6.1	59
58	Molybdenum Disulfide Quantum Dots Prepared by Bipolar-Electrode Electrochemical Scissoring. <i>Nanomaterials</i> , 2019, 9, 906.	4.1	15
59	Large-scale synthesis and outstanding microwave absorption properties of carbon nanotubes coated by extremely small FeCo-C core-shell nanoparticles. <i>Carbon</i> , 2019, 153, 52-61.	10.3	104
60	The underlying mechanisms of enhanced microwave absorption performance for the NiFe ₂ O ₄ -decorated Ti ₃ C ₂ T _x MXene. <i>Results in Physics</i> , 2019, 15, 102750.	4.1	33
61	Facile Fabrication of Extremely Small CoNi/C Core/Shell Nanoparticles for Efficient Microwave Absorber. <i>Nano</i> , 2019, 14, 1950090.	1.0	11
62	Design of a multilayer composite absorber working in the P-band by NiZn ferrite and cross-shaped metamaterial. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	2.3	17
63	Magnetic Resonated Bilayer Square-Ring Enabled Dual-Peak Metamaterial Absorber in P-Band. <i>Journal of Superconductivity and Novel Magnetism</i> , 2019, 32, 3593-3600.	1.8	5
64	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
65	Enhanced light absorption in the organic thin films by coating cross-shaped metamaterial resonators onto the active layers. <i>Results in Physics</i> , 2019, 13, 102338.	4.1	13
66	Infrared emissivity and microwave transmission behavior of flaky aluminum functionalized pyramidal-frustum shaped periodic structure. <i>Infrared Physics and Technology</i> , 2019, 99, 123-128.	2.9	29
67	Investigation on microstructure and magnetic properties in V ₂ O ₅ doped NiCuZn ferrite. <i>Materials Research Express</i> , 2019, 6, 076111.	1.6	5
68	Mxenes Derived Laminated and Magnetic Composites with Excellent Microwave Absorbing Performance. <i>Scientific Reports</i> , 2019, 9, 3957.	3.3	51
69	Structural, magnetic and microwave electromagnetic properties in La-substituted quaternary ferrite. <i>Journal of Alloys and Compounds</i> , 2019, 791, 469-476.	5.5	14
70	High-Sensitivity Microwave Metamaterials Sensor Absorber for Chemical Liquids Detection. , 2019, , .		0
71	Broadband Microstrip Antenna for C-band, X-band, and KU-band Applications. , 2019, , .		3
72	High Sensitive Readout Circuit for Capacitance Touch Panel With Large Size. <i>IEEE Sensors Journal</i> , 2019, 19, 1412-1415.	4.7	5

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73	A Fast Ramp-Voltage-Based Current Programming Driver for AMOLED Display. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 1129-1133.	3.0	10
74	Electromagnetic matching and microwave absorption abilities of Ti ₃ SiC ₂ encapsulated with Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ shell. Journal of Magnetism and Magnetic Materials, 2019, 473, 184-189.	2.3	47
75	Realization of Wideband Magnetolectric Response Utilizing Three-Phase Particulate Ceramics. Journal of Superconductivity and Novel Magnetism, 2019, 32, 2193-2197.	1.8	1
76	A High Performance InGaZnO Thin-Film Transistors Integrated Amplifier Circuit for Capacitance Sensing. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 734-738.	3.0	6
77	Facile approach to fabricate BCN/Fe _x (B/C/N) _y nano-architectures with enhanced electromagnetic wave absorption. Nanotechnology, 2018, 29, 235701.	2.6	7
78	Design of Fragment-Type Antenna Structure Using an Improved BPSO. IEEE Transactions on Antennas and Propagation, 2018, 66, 564-571.	5.1	51
79	Ti ₃ C ₂ MXene: a promising microwave absorbing material. RSC Advances, 2018, 8, 2398-2403.	3.6	189
80	Effects of Co ₂ O ₃ on electromagnetic properties of NiCuZn ferrites. Journal of Magnetism and Magnetic Materials, 2018, 452, 349-353.	2.3	25
81	Peaked dielectric responses in Ti ₃ C ₂ MXene nanosheets enabled composites with efficient microwave absorption. Journal of Applied Physics, 2018, 123, .	2.5	77
82	Magnetic effects on polarization response in particulate magnetolectric Bi _{0.5} Na _{0.5} TiO ₃ -La _{0.67} Sr _{0.33} MnO ₃ composites. Materials Letters, 2018, 212, 139-142.	2.6	12
83	Enhanced magnetolectric coupling in La-modified Bi ₅ Co _{0.5} Fe _{0.5} Ti ₃ O ₁₅ multiferroic ceramics. Journal of Materials Science, 2018, 53, 1014-1023.	3.7	17
84	Size-dependent magnetolectric response of (Bi _{0.5} Na _{0.5} TiO ₃ -Bi _{0.5} K _{0.5} TiO ₃)-(Ni _{0.8} Zn _{0.2})Fe ₂ O ₄ particulate composites. Ceramics International, 2018, 44, 3712-3717.	4.8	12
85	Ni-modified Ti ₃ C ₂ MXene with enhanced microwave absorbing ability. Materials Chemistry Frontiers, 2018, 2, 2320-2326.	5.9	87
86	New Circular Array Configurations for Generating Orbital Angular Momentum (OAM) Beams. , 2018, , .		3
87	Wide-angle microwave absorption performance of polyurethane foams combined with cross-shaped metamaterial absorber. Results in Physics, 2018, 11, 769-776.	4.1	39
88	Effect of temperature on dielectric response in X-band of silicon nitride ceramics prepared by gelcasting. AIP Advances, 2018, 8, 075127.	1.3	9
89	Investigation on microwave dielectric behavior of flaky carbonyl iron composites. Journal of Materials Science: Materials in Electronics, 2018, 29, 15112-15118.	2.2	19
90	Oriented graphene nanoribbons embedded in hexagonal boron nitride trenches. Nature Communications, 2017, 8, 14703.	12.8	119

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91	Carbon fiber/Si ₃ N ₄ composites with SiC nanofiber interphase for enhanced microwave absorption properties. <i>Ceramics International</i> , 2017, 43, 12328-12332.	4.8	88
92	Modeling for high-temperature dielectric behavior of multilayer C /Si ₃ N ₄ composites in X-band. <i>Journal of the European Ceramic Society</i> , 2017, 37, 1961-1968.	5.7	32
93	Fast multi-objective optimization of multi-parameter antenna structures based on improved MOEA/D with surrogate-assisted model. <i>AEU - International Journal of Electronics and Communications</i> , 2017, 72, 192-199.	2.9	30
94	A Decoupled Multiband Dual-Antenna System for WWAN/LTE Smartphone Applications. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017, 16, 1528-1532.	4.0	50
95	Magnetolectric Effect in Cofired Lead-free Laminated (Bi _{0.5} Na _{0.5} TiO ₃ Bi _{0.5} K _{0.5} TiO ₃)/Ni _{0.8} Zn _{0.2} Composites. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2017, 214, 1700533.		
96	Magnetolectric properties of lead-free (80Bi _{0.5} Na _{0.5} TiO ₃ -20Bi _{0.5} K _{0.5} TiO ₃)-Ni _{0.8} Zn _{0.2} Fe ₂ O ₄ particulate composites prepared by <i>in situ</i> sol-gel. <i>Journal of Applied Physics</i> , 2017, 122, .	2.5	22
97	Effect of Co ₂ O ₃ Addition on Stability of Permeability to an Impulse Magnetic Field in NiCuZn Ferrites. <i>IEEE Transactions on Magnetics</i> , 2017, 53, 1-4.	2.1	7
98	Enhanced microwave absorption properties of Fe ₃ O ₄ -modified flaky FeSiAl. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 444, 49-53.	2.3	75
99	Gram-scale synthesis, thermal stability, magnetic properties, and microwave absorption application of extremely small Co-C core-shell nanoparticles. <i>Materials Research Express</i> , 2017, 4, 075044.	1.6	17
100	Investigation on magnetolectric behavior of (80Bi _{0.5} Na _{0.5} TiO ₃ -20Bi _{0.5} K _{0.5} TiO ₃)-CoFe ₂ O ₄ particulate composites. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 444, 284-290.	2.3	9
101	Effect of Nd-doping on structure and microwave electromagnetic properties of BiFeO ₃ . <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 426, 267-272.	2.3	43
102	Poly-Si TFTs integrated gate driver circuit with charge-sharing structure. <i>Journal of Semiconductors</i> , 2017, 38, 055001.	3.7	3
103	Compact Planar Ultrawideband Antennas with 3.5/5.2/5.8 GHz Triple Band-Notched Characteristics for Internet of Things Applications. <i>Sensors</i> , 2017, 17, 349.	3.8	19
104	Electromagnetic responses of magnetic conductive hollow fibers. <i>Journal of Applied Physics</i> , 2012, 111, 084506.	2.5	4
105	Effect of Ag substitution on the electromagnetic property and microwave absorption of LaMnO ₃ . <i>Journal of Magnetism and Magnetic Materials</i> , 2012, 324, 3149-3153.	2.3	23
106	Electromagnetic properties and microwave absorption of W-type hexagonal ferrites doped with La ³⁺ . <i>Journal of Magnetism and Magnetic Materials</i> , 2011, 323, 1895-1898.	2.3	117
107	Facile synthesis and properties of ZnFe ₂ O ₄ and ZnFe ₂ O ₄ /polypyrrole core-shell nanoparticles. <i>Solid State Sciences</i> , 2009, 11, 1319-1324.	3.2	147
108	Percolation and microwave characteristics of CoFeB-SiO ₂ nano-granular films. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 309, 285-289.	2.3	21

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109	Low-profile linear polarization conversion metasurfaces using degenerate modes for high-selectivity. Journal Physics D: Applied Physics, 0, , .	2.8	1