Feng Qin

List of Publications by Year
in descending order

31 papers	1,265 citations	516710 16 h-index	526287 27 g-index
31 all docs	31 docs citations	31 times ranked	812 citing authors

#	Article	IF	Citations
1	Ultra-wideband and wide-angle perfect solar energy absorber based on Ti nanorings surface plasmon resonance. Physical Chemistry Chemical Physics, 2021, 23, 17041-17048.	2.8	219
2	Ultra-broadband and wide-angle perfect solar absorber based on TiN nanodisk and Ti thin film structure. Solar Energy Materials and Solar Cells, 2020, 211, 110535.	6.2	193
3	Realization of 18.97% theoretical efficiency of 0.9 Î¼m thick c-Si/ZnO heterojunction ultrathin-film solar cells via surface plasmon resonance enhancement. Physical Chemistry Chemical Physics, 2022, 24, 4871-4880.	2.8	156
4	Broadband polarization-insensitive and wide-angle solar energy absorber based on tungsten ring-disc array. Nanoscale, 2020, 12, 23077-23083.	5.6	143
5	Study on the solar energy absorption of hybrid solar cells with trapezoid-pyramidal structure based PEDOT:PSS/c-Ge. Solar Energy, 2020, 204, 635-643.	6.1	99
6	Highly efficient and stable transparent electromagnetic interference shielding films based on silver nanowires. Nanoscale, 2020, 12, 14589-14597.	5.6	78
7	Role of shape in substrate-induced plasmonic shift and mode uncovering on gold nanocrystals. Nanoscale, 2016, 8, 17645-17657.	5.6	45
8	Multifunctional Electromagnetic Interference Shielding Ternary Alloy (Niâ€“Wâ€“P) Decorated Fabric with Wide-Operating-Range Joule Heating Performances. ACS Applied Materials & Interfaces, 2020, 12, 48016-48026.	8.0	44
9	PET/Ag NW/PMMA transparent electromagnetic interference shielding films with high stability and flexibility. Nanoscale, 2021, 13, 8067-8076.	5.6	40
10	Metal carbide/Ni hybrids for high-performance electromagnetic absorption and absorption-based electromagnetic interference shielding. Inorganic Chemistry Frontiers, 2020, 7, 4832-4844.	6.0	31
11	Lightweight Ni/CNT decorated melamine sponge with sensitive strain sensing performance for ultrahigh electromagnetic absorption in both GHz and THz bands. Chemical Engineering Journal, 2022, 429, 132393.	12.7	29
12	The better photoelectric performance of thin-film TiO2/c-Si heterojunction solar cells based on surface plasmon resonance. Results in Physics, 2021, 28, 104628.	4.1	27
13	Molecular Tunnel Junction-Controlled High-Order Charge Transfer Plasmon and Fano Resonances. ACS Nano, 2018, 12, 12541-12550.	14.6	24
14	Highly Uniform and Stable Transparent Electromagnetic Interference Shielding Film Based on Silver Nanowireâ€“PEDOT:PSS Composite for High Power Microwave Shielding. Macromolecular Materials and Engineering, 2021, 306, 2000607.	3.6	24
15	A Sprayed Graphene Pattern-Based Flexible Strain Sensor with High Sensitivity and Fast Response. Sensors, 2019, 19, 1077.	3.8	22
16	Transparent, Flexible, and Stable Polyethersulfone/Copperâ€Nanowires/Polyethylene Terephthalate Sandwichâ€Structured Films for Highâ€Performance Electromagnetic Interference Shielding. Advanced Engineering Materials, 2021, 23, 2100283.	3.5	20
17	A Novel PZT-Based Traveling-Wave Micromotor With High Performance and Unconstrained Coaxial Rotation. Journal of Microelectromechanical Systems, 2018, 27, 635-642.	2.5	13
18	Broadband solar absorbers with excellent thermal radiation efficiency based on Wâ€“Al2O3 stack of cubes. International Journal of Thermal Sciences, 2022, 179, 107683.	4.9	12

#	Article	IF	Citations
19	Flexible and Lightweight Ni/MXene Decorated Polyurethane Sponge Composite with Sensitive Strain Sensing Performance for Ultrahigh Terahertz Absorption. Advanced Optical Materials, 2022, 10, .	7.3	10
20	An Adjustable Magnetic Preloading and Stepping Controlled Piezoelectric Traveling-Wave Ultrasonic Micromotor. Journal of Microelectromechanical Systems, 2019, 28, 264-270.	2.5	9
21	Ultra-wideband circularly polarized cavity-backed crossed-dipole antenna. Scientific Reports, 2022, 12, 4569.	3.3	8
22	Response Characteristics of Gas Discharge Tube to High-Power Microwave. IEEE Access, 2021, 9, 111486-111492.	4.2	6
23	Shielding Performance of Materials Under the Excitation of High-Intensity Transient Electromagnetic Pulse. IEEE Access, 2021, 9, 49697-49704.	4.2	4
24	Shielding Effectiveness of Materials Under the Excitation of High-Power Microwave. IEEE Transactions on Electromagnetic Compatibility, 2020, 62, 2317-2320.	2.2	3
25	A Model to Evaluate the Device-Level Performance of Thermoelectric Cooler with Thomson Effect Considered. Journal of Thermal Science, 2022, 31, 712-726.	1.9	2
26	Grating Structure Broadband Absorber Based on Gallium Arsenide and Titanium. Coatings, 2022, 12, 588.	2.6	2
27	High Dynamic Micro Vibrator with Integrated Optical Displacement Detector for In-Situ Self-Calibration of MEMS Inertial Sensors. Sensors, 2018, 18, 2055.	3.8	1
28	Ultra-Wideband Harmonic Suppression of Microstrip Antennas Using Compact Defected Ground Structure. , 2020, , .		1
29	Ultrawideband Harmonic Suppression in Microstrip Patch Antenna Using Novel Defected Ground Structures. International Journal of Antennas and Propagation, 2020, 2020, 1-8.	1.2	0
30	Study on the Characterization of Shielding Effectiveness of Materials under Wide Band Electromagnetic Pulse. , 2020, , .		0
31	Minimum Sample Size Estimation Method of Electromagnetic Effect Test Based on Confidence Interval. , 2022, , .		0