

Pinghui Wu

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

2,261
citations

361413

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434195

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Realization of 18.97% theoretical efficiency of 0.9 $\lambda/4$ thick c-Si/ZnO heterojunction ultrathin-film solar cells via surface plasmon resonance enhancement. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 4871-4880.	2.8	156
2	A switchable terahertz device combining ultra-wideband absorption and ultra-wideband complete reflection. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 2527-2533.	2.8	186
3	Thermal tuning of terahertz metamaterial absorber properties based on VO ₂ . <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 8846-8853.	2.8	197
4	Multi-mode surface plasmon resonance absorber based on dart-type single-layer graphene. <i>RSC Advances</i> , 2022, 12, 7821-7829.	3.6	226
5	The Structure Design and Photoelectric Properties of Wideband High Absorption Ge/GaAs/P3HT:PCBM Solar Cells. <i>Micromachines</i> , 2022, 13, 349.	2.9	3
6	Grating Structure Broadband Absorber Based on Gallium Arsenide and Titanium. <i>Coatings</i> , 2022, 12, 588.	2.6	2
7	Perfect Absorption of Fan-Shaped Graphene Absorbers with Good Adjustability in the Mid-Infrared. <i>Coatings</i> , 2022, 12, 990.	2.6	1
8	Dual band visible metamaterial absorbers based on four identical ring patches. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2021, 127, 114526.	2.7	78
9	Based on Ultrathin PEDOT:PSS/c-Ge Solar Cells Design and Their Photoelectric Performance. <i>Coatings</i> , 2021, 11, 748.	2.6	27
10	Ultra-Wideband and Wide-Angle Perfect Solar Energy Absorber Based on Titanium and Silicon Dioxide Colloidal Nanoarray Structure. <i>Nanomaterials</i> , 2021, 11, 2040.	4.1	9
11	Ultrahigh Quality Factor Photonic Nanojets Generated by Truncated Microtoroid Structures. <i>IEEE Photonics Journal</i> , 2021, 13, 1-6.	2.0	2
12	Preparation of ZnO/Bi ₂ O ₃ Composites as Heterogeneous Thin Film Materials with High Photoelectric Performance on FTO Base. <i>Coatings</i> , 2021, 11, 1140.	2.6	15
13	Terahertz Broadband Absorber Based on a Combined Circular Disc Structure. <i>Micromachines</i> , 2021, 12, 1290.	2.9	12
14	A four-band and polarization-independent BDS-based tunable absorber with high refractive index sensitivity. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 26864-26873.	2.8	189
15	Optical Needle Beam Generated by a Mesoscale Dielectric Microtoroid. , 2021, , .		0
16	Ultra Narrow Dual-Band Perfect Absorber Based on a Dielectric~Dielectric~Metal Three-Layer Film Material. <i>Micromachines</i> , 2021, 12, 1552.	2.9	2
17	A Narrow Dual-Band Monolayer Unpatterned Graphene-Based Perfect Absorber with Critical Coupling in the Near Infrared. <i>Micromachines</i> , 2020, 11, 58.	2.9	52
18	High Quality Factor, High Sensitivity Metamaterial Graphene~Perfect Absorber Based on Critical Coupling Theory and Impedance Matching. <i>Nanomaterials</i> , 2020, 10, 95.	4.1	146

#	ARTICLE	IF	CITATIONS
19	Adjusting the Energy Bands of WO ₃ @ZnO Nanocomposite Heterojunction Through the Combination of WO ₃ Thin Film to Improve its Photoelectric Performance. IEEE Access, 2020, 8, 171350-171358.	4.2	10
20	Ultra-wideband solar absorber based on refractory titanium metal. Renewable Energy, 2020, 158, 227-235.	8.9	185
21	Cl ⁻ Doping Strategy to Boost the Lithium Storage Performance of Lithium Titanium Phosphate. Frontiers in Chemistry, 2020, 8, 349.	3.6	4
22	Fabrication of ZnO@Ag@Ag ₃ PO ₄ Ternary Heterojunction: Superhydrophilic Properties, Antireflection and Photocatalytic Properties. Micromachines, 2020, 11, 309.	2.9	52
23	A Perfect Absorber Based on Similar Fabry-Perot Four-Band in the Visible Range. Nanomaterials, 2020, 10, 488.	4.1	50
24	A Near-Infrared Multi-Band Perfect Absorber Based on 1D Gold Grating Fabry-Perot Structure. IEEE Access, 2020, 8, 72742-72748.	4.2	20
25	Fabrication of ZnO@MoS ₂ Nanocomposite Heterojunction Arrays and Their Photoelectric Properties. Micromachines, 2020, 11, 189.	2.9	72
26	A Tunable Triple-Band Near-Infrared Metamaterial Absorber Based on Au Nano-Cuboids Array. Nanomaterials, 2020, 10, 207.	4.1	99
27	Tunable Broadband Solar Energy Absorber Based on Monolayer Transition Metal Dichalcogenides Materials Using Au Nanocubes. Nanomaterials, 2020, 10, 257.	4.1	98
28	Study on Temperature Adjustable Terahertz Metamaterial Absorber Based on Vanadium Dioxide. IEEE Access, 2020, 8, 85154-85161.	4.2	110
29	Dual-Band Plasmonic Perfect Absorber Based on Graphene Metamaterials for Refractive Index Sensing Application. Micromachines, 2019, 10, 443.	2.9	89
30	Fabrication of ZnO@Ag ₃ PO ₄ Core-Shell Nanocomposite Arrays as Photoanodes and Their Photoelectric Properties. Nanomaterials, 2019, 9, 1254.	4.1	73
31	Tunable Graphene-based Plasmonic Perfect Metamaterial Absorber in the THz Region. Micromachines, 2019, 10, 194.	2.9	70
32	Tunable and ultra-elongated photonic nanojet generated by a liquid-immersed core-shell dielectric microsphere. Applied Physics Express, 2015, 8, 112001.	2.4	26