Zao Yi

List of Publications by Year
in descending order

192 papers	9,505 citations	26610 56 h-index	49868 87 g-index
192 all docs	192 docs citations	192 times ranked	4481 citing authors

#	Article	IF	Citations
1	Multi-mode surface plasmon resonance absorber based on dart-type single-layer graphene. RSC Advances, 2022, 12, 7821-7829.	1.7	226
2	Ultra-wideband and wide-angle perfect solar energy absorber based on Ti nanorings surface plasmon resonance. Physical Chemistry Chemical Physics, 2021, 23, 17041-17048.	1.3	219
3	Thermal tuning of terahertz metamaterial absorber properties based on VO₂. Physical Chemistry Chemical Physics, 2022, 24, 8846-8853.	1.3	197
4	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.	3.0	193
5	High performance columnar-like Fe2O3@carbon composite anode via yolk@shell structural design. Journal of Energy Chemistry, 2020, 41, 126-134.	7.1	191
6	Preparation of core-shell heterojunction photocatalysts by coating CdS nanoparticles onto Bi4Ti3O12 hierarchical microspheres and their photocatalytic removal of organic pollutants and Cr(VI) ions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 633, 127918.	2.3	189
7	A four-band and polarization-independent BDS-based tunable absorber with high refractive index sensitivity. Physical Chemistry Chemical Physics, 2021, 23, 26864-26873.	1.3	189
8	A switchable terahertz device combining ultra-wideband absorption and ultra-wideband complete reflection. Physical Chemistry Chemical Physics, 2022, 24, 2527-2533.	1.3	186
9	Ultra-wideband solar absorber based on refractory titanium metal. Renewable Energy, 2020, 158, 227-235.	4.3	185
10	Robust erythrocyte-like Fe2O3@carbon with yolk-shell structures as high-performance anode for lithium ion batteries. Chemical Engineering Journal, 2018, 347, 563-573.	6.6	179
11	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.	1.3	156
12	High Quality Factor, High Sensitivity Metamaterial Grapheneâ€"Perfect Absorber Based on Critical Coupling Theory and Impedance Matching. Nanomaterials, 2020, 10, 95.	1.9	146
13	Broadband polarization-insensitive and wide-angle solar energy absorber based on tungsten ring-disc array. Nanoscale, 2020, 12, 23077-23083.	2.8	143
14	Broadband solar energy absorber based on monolayer molybdenum disulfide using tungsten elliptical arrays. Materials Today Energy, 2020, 16, 100390.	2.5	142
15	A dual-band metamaterial absorber for graphene surface plasmon resonance at terahertz frequency. Physica E: Low-Dimensional Systems and Nanostructures, 2020, 117, 113840.	1.3	129
16	A numerical research of wideband solar absorber based on refractory metal from visible to near infrared. Optical Materials, 2019, 97, 109400.	1.7	128
17	Photocatalytic activity tuning in a novel Ag2S/CQDs/CuBi2O4 composite: Synthesis and photocatalytic mechanism. Materials Research Bulletin, 2019, 115, 140-149.	2.7	128
18	Synthesis of carnation flower-like Bi2O2CO3 photocatalyst and its promising application for photoreduction of Cr(VI). Advanced Powder Technology, 2022, 33, 103481.	2.0	124

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19	Piezocatalytic degradation of methylene blue, tetrabromobisphenol A and tetracycline hydrochloride using Bi4Ti3O12 with different morphologies. Materials Research Bulletin, 2021, 141, 111350.	2.7	112
20	Study on Temperature Adjustable Terahertz Metamaterial Absorber Based on Vanadium Dioxide. IEEE Access, 2020, 8, 85154-85161.	2.6	110
21	Multi-band and high-sensitivity perfect absorber based on monolayer graphene metamaterial. Diamond and Related Materials, 2021, 111, 108227.	1.8	104
22	Design of ternary CaTiO3/g-C3N4/AgBr Z-scheme heterostructured photocatalysts and their application for dye photodegradation. Solid State Sciences, 2020, 100, 106102.	1.5	102
23	Triple-band perfect metamaterial absorber with good operating angle polarization tolerance based on split ring arrays. Results in Physics, 2020, 16, 102951.	2.0	101
24	Template-free synthesis of Bi₂O₂CO₃ hierarchical nanotubes self-assembled from ordered nanoplates for promising photocatalytic applications. Physical Chemistry Chemical Physics, 2022, 24, 8279-8295.	1.3	100
25	A Tunable Triple-Band Near-Infrared Metamaterial Absorber Based on Au Nano-Cuboids Array. Nanomaterials, 2020, 10, 207.	1.9	99
26	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.	2.9	99
27	Tunable Broadband Solar Energy Absorber Based on Monolayer Transition Metal Dichalcogenides Materials Using Au Nanocubes. Nanomaterials, 2020, 10, 257.	1.9	98
28	Flexoelectricity-induced enhancement in carrier separation and photocatalytic activity of a photocatalyst. Applied Surface Science, 2021, 566, 150669.	3.1	98
29	ZrO2 nanoparticle embedded carbon nanofibers by electrospinning technique as advanced negative electrode materials for vanadium redox flow battery. Electrochimica Acta, 2019, 309, 166-176.	2.6	96
30	An excellent Z-scheme Ag2MoO4/Bi4Ti3O12 heterojunction photocatalyst: Construction strategy and application in environmental purification. Advanced Powder Technology, 2021, 32, 951-962.	2.0	96
31	Comparative investigation on synthesis, morphological tailoring and photocatalytic activities of Bi2O2CO3 nanostructures. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 644, 128758.	2.3	95
32	Enhanced photocatalytic performance by hybridization of Bi2WO6 nanoparticles with honeycomb-like porous carbon skeleton. Journal of Environmental Management, 2019, 248, 109341.	3.8	93
33	Fabrication of p-n heterostructure ZnO/Si moth-eye structures: Antireflection, enhanced charge separation and photocatalytic properties. Applied Surface Science, 2018, 441, 40-48.	3.1	91
34	Green, effective chemical route for the synthesis of silver nanoplates in tannic acid aqueous solution. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 392, 131-136.	2.3	90
35	Dual-Band Plasmonic Perfect Absorber Based on Graphene Metamaterials for Refractive Index Sensing Application. Micromachines, 2019, 10, 443.	1.4	89
36	Synthesis, surface properties, crystal structure and dye-sensitized solar cell performance of TiO2 nanotube arrays anodized under different parameters. Results in Physics, 2019, 15, 102609.	2.0	87

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37	Truncated titanium/semiconductor cones for wide-band solar absorbers. Nanotechnology, 2019, 30, 305203.	1.3	86
38	Nanoribbon-ring cross perfect metamaterial graphene multi-band absorber in THz range and the sensing application. Results in Physics, 2019, 14, 102367.	2.0	83
39	Graphene-based metasurface sensing applications in terahertz band. Results in Physics, 2021, 21, 103795.	2.0	83
40	Direct Z-scheme CaTiO3@BiOBr composite photocatalysts with enhanced photodegradation of dyes. Environmental Science and Pollution Research, 2019, 26, 29020-29031.	2.7	81
41	NaBH4-Reduction Induced Evolution of Bi Nanoparticles from BiOCl Nanoplates and Construction of Promising Bi@BiOCl Hybrid Photocatalysts. Catalysts, 2019, 9, 795.	1.6	81
42	Synergistically enhanced photocatalytic performance of Bi4Ti3O12 nanosheets by Au and Ag nanoparticles. Journal of Materials Science: Materials in Electronics, 2019, 30, 13785-13796.	1.1	79
43	Dual band visible metamaterial absorbers based on four identical ring patches. Physica E: Low-Dimensional Systems and Nanostructures, 2021, 127, 114526.	1.3	78
44	Theoretical design of a triple-band perfect metamaterial absorber in the THz frequency range. Results in Physics, 2019, 14, 102463.	2.0	77
45	Fabrication of ZnO@Ag3PO4 Core-Shell Nanocomposite Arrays as Photoanodes and Their Photoelectric Properties. Nanomaterials, 2019, 9, 1254.	1.9	73
46	Fabrication of ZnO@MoS2 Nanocomposite Heterojunction Arrays and Their Photoelectric Properties. Micromachines, 2020, 11, 189.	1.4	72
47	Evolution of Bi Nanowires from BiOBr Nanoplates Through a NaBH₄ Reduction Method with Enhanced Photodegradation Performance. Environmental Engineering Science, 2020, 37, 64-77.	0.8	71
48	Construction of Ag2S@CaTiO3 heterostructure photocatalysts for enhanced photocatalytic degradation of dyes. , 0, 170, 349-360.		71
49	A broadband and polarization-independent metamaterial perfect absorber with monolayer Cr and Ti elliptical disks array. Results in Physics, 2019, 15, 102635.	2.0	70
50	Tunable Graphene-based Plasmonic Perfect Metamaterial Absorber in the THz Region. Micromachines, 2019, 10, 194.	1.4	70
51	Dual-Band Infrared Perfect Absorber Based on a Ag-Dielectric-Ag Multilayer Films with Nanoring Grooves Arrays. Plasmonics, 2020, 15, 93-100.	1.8	68
52	Surface plasmon resonance chemical sensor composed of a microstructured optical fiber for the detection of an ultra-wide refractive index range and gas-liquid pollutants. Optics Express, 2021, 29, 40734.	1.7	68
53	Enhanced Photocatalytic Performance and Mechanism of Au@CaTiO3 Composites with Au Nanoparticles Assembled on CaTiO3 Nanocuboids. Micromachines, 2019, 10, 254.	1.4	66
54	Polarization-sensitive triple plasmon-induced transparency with synchronous and asynchronous switching based on monolayer graphene metamaterials. Optics Express, 2020, 28, 36771.	1.7	66

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55	A Tunable Plasmonic Refractive Index Sensor with Nanoring-Strip Graphene Arrays. Sensors, 2018, 18, 4489.	2.1	62
56	High efficiency Titanium oxides and nitrides ultra-broadband solar energy absorber and thermal emitter from 200Ânm to 2600Ânm. Optics and Laser Technology, 2022, 150, 108002.	2.2	62
57	Terahertz wideband perfect absorber based on open loop with cross nested structure. Results in Physics, 2019, 15, 102603.	2.0	61
58	Triple plasmon-induced transparency and optical switch desensitized to polarized light based on a mono-layer metamaterial. Optics Express, 2021, 29, 13949.	1.7	61
59	Tunable triple-band graphene refractive index sensor with good angle-polarization tolerance. Optics Communications, 2019, 436, 57-62.	1.0	60
60	Three-band perfect absorber with high refractive index sensing based on an active tunable Dirac semimetal. Physical Chemistry Chemical Physics, 2021, 23, 17374-17381.	1.3	60
61	Multi-band multi-tunable perfect plasmon absorber based on L-shaped and double-elliptical graphene stacks. Diamond and Related Materials, 2021, 115, 108374.	1.8	59
62	Recent progresses on metamaterials for optical absorption and sensing: a review. Journal Physics D: Applied Physics, 2021, 54, 113002.	1.3	58
63	Multi-band, tunable, high figure of merit, high sensitivity single-layer patterned grapheneâ€"Perfect absorber based on surface plasmon resonance. Diamond and Related Materials, 2021, 116, 108393.	1.8	57
64	A simple polyacrylamide gel route for the synthesis of MgAl2O4 nanoparticles with different metal sources as an efficient adsorbent: Neural network algorithm simulation, equilibrium, kinetics and thermodynamic studies. Separation and Purification Technology, 2022, 281, 119855.	3.9	57
65	Plasmonic absorption characteristics based on dumbbell-shaped graphene metamaterial arrays. Physica E: Low-Dimensional Systems and Nanostructures, 2018, 103, 93-98.	1.3	56
66	Numerical investigation of a tunable metamaterial perfect absorber consisting of two-intersecting graphene nanoring arrays. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 3030-3035.	0.9	56
67	Ordered array of Ag semishells on different diameter monolayer polystyrene colloidal crystals: An ultrasensitive and reproducible SERS substrate. Scientific Reports, 2016, 6, 32314.	1.6	54
68	Tunable dual-band perfect absorber consisting of periodic cross-cross monolayer graphene arrays. Results in Physics, 2019, 13, 102217.	2.0	53
69	Surface doping of Bi4Ti3O12 with S: Enhanced photocatalytic activity, mechanism and potential photodegradation application. Materials Research Bulletin, 2022, 149, 111711.	2.7	53
70	Fabrication of ZnO@Ag@Ag3PO4 Ternary Heterojunction: Superhydrophilic Properties, Antireflection and Photocatalytic Properties. Micromachines, 2020, 11, 309.	1.4	52
71	Terahertz tunable three band narrowband perfect absorber based on Dirac semimetal. Physica E: Low-Dimensional Systems and Nanostructures, 2021, 131, 114750.	1.3	52
72	A novel plasmonic refractive index sensor based on gold/silicon complementary grating structure*. Chinese Physics B, 2021, 30, 024207.	0.7	51

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73	Effect of slit width on surface plasmon resonance. Results in Physics, 2019, 15, 102711.	2.0	49
74	Dual-band switchable terahertz metamaterial absorber based on metal nanostructure. Results in Physics, 2019, 14, 102422.	2.0	49
75	Graphene-based tunable triple-band plasmonic perfect metamaterial absorber with good angle-polarization-tolerance. Results in Physics, 2019, 13, 102149.	2.0	49
76	Controllable frequency conversion in the coupled time-modulated cavities with phase delay. Optics Communications, 2020, 476, 126338.	1.0	49
77	Plasmonic Absorption Enhancement in Elliptical Graphene Arrays. Nanomaterials, 2018, 8, 175.	1.9	47
78	Tert-butylamine/oleic acid-assisted morphology tailoring of hierarchical Bi4Ti3O12 architectures and their application for photodegradation of simulated dye wastewater. Optical Materials, 2021, 112, 110781.	1.7	47
79	Terahertz perfect absorber based on flexible active switching of ultra-broadband and ultra-narrowband. Optics Express, 2021, 29, 42787.	1.7	47
80	Facile preparation of Au/Ag bimetallic hollow nanospheres and its application in surface-enhanced Raman scattering. Applied Surface Science, 2011, 258, 212-217.	3.1	45
81	High sensitivity refractive index sensing with good angle and polarization tolerance using elliptical nanodisk graphene metamaterials. Physica Scripta, 2019, 94, 085805.	1.2	45
82	Discrete Dipole Approximation Simulation of the Surface Plasmon Resonance of Core/Shell Nanostructure and the Study of Resonance Cavity Effect. Journal of Physical Chemistry C, 2012, 116, 24046-24053.	1.5	43
83	Fabrication of well-aligned ZnO@Ag nanorod arrays with effective charge transfer for surface-enhanced Raman scattering. Surface and Coatings Technology, 2017, 324, 257-263.	2.2	42
84	Growth Process and CQDs-modified Bi4Ti3O12 Square Plates with Enhanced Photocatalytic Performance. Micromachines, 2019, 10, 66.	1.4	41
85	A narrowband perfect absorber with high Q-factor and its application in sensing in the visible region. Results in Physics, 2020, 19, 103415.	2.0	41
86	Fabriction of ZnO Nanorods with Strong UV Absorption and Different Hydrophobicity on Foamed Nickel under Different Hydrothermal Conditions. Micromachines, 2019, 10, 164.	1.4	38
87	Facile preparation of dendritic Agâ€“Pd bimetallic nanostructures on the surface of Cu foil for application as a SERS-substrate. Applied Surface Science, 2012, 258, 5429-5437.	3.1	36
88	Magnetic properties and reverse magnetization process of anisotropic nanocomposite permanent magnet. Journal of Magnetism and Magnetic Materials, 2019, 483, 152-157.	1.0	36
89	Photocatalytic Application of Ag-Decorated CuS/BaTiO3 Composite Photocatalysts for Degrading RhB. Journal of Electronic Materials, 2021, 50, 2674-2686.	1.0	36
90	Tunable absorption enhancement in periodic elliptical hollow graphene arrays. Optical Materials Express, 2019, 9, 706.	1.6	36

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91	A â€œbelfry-typedâ€•narrow-band tunable perfect absorber based on graphene and the application potential research. Diamond and Related Materials, 2022, 125, 108973.	1.8	36
92	Active manipulation of electromagnetically induced transparency in a terahertz hybrid metamaterial. Optics Communications, 2018, 426, 629-634.	1.0	35
93	Blue and green double band luminescent carbon quantum dots: Synthesis, origin of photoluminescence, and application in white light-emitting devices. Applied Physics Letters, 2021, 118, .	1.5	35
94	Facile synthesis of BaMoO4 and BaMoO4/BaWO4 heterostructures with type -I band arrangement and enhanced photoluminescence properties. Advanced Powder Technology, 2021, 32, 4186-4197.	2.0	35
95	A novel photoluminescence phenomenon in a SrMoO4/SrWO4 micro/nano heterojunction phosphors obtained by the polyacrylamide gel method combined with low temperature calcination technology. Journal of Luminescence, 2022, 243, 118660.	1.5	35
96	Preparation of dendritic Ag/Au bimetallic nanostructures and their application in surface-enhanced Raman scattering. Thin Solid Films, 2012, 520, 2701-2707.	0.8	34
97	Ex-centric core photonic crystal fiber sensor with gold nanowires based on surface plasmon resonance. Optik, 2019, 196, 163173.	1.4	34
98	Multi-peak narrow-band perfect absorber based on two-dimensional graphene array. Diamond and Related Materials, 2021, 120, 108666.	1.8	34
99	Tunable absorption enhancement in electric split-ring resonators-shaped graphene arrays. Materials Research Express, 2018, 5, 045802.	0.8	33
100	Tunable plasmonic resonance absorption characteries-tics in periodic H-shaped graphene arrays. Superlattices and Microstructures, 2018, 120, 427-435.	1.4	33
101	A high-quality-factor ultra-narrowband perfect metamaterial absorber based on monolayer molybdenum disulfide. Chinese Physics B, 2022, 31, 038101.	0.7	33
102	Phase evolution and photoluminescence behavior of MMoO4 (MÂ=ÂMg, Ca, Sr) phosphors. Optik, 2021, 241, 167040.	1.4	33
103	Nanostrip-Induced High Tunability Multipolar Fano Resonances in a Au Ring-Strip Nanosystem. Nanomaterials, 2018, 8, 568.	1.9	32
104	A multi-band and polarization-independent perfect absorber based on Dirac semimetals circles and semi-ellipses array*. Chinese Physics B, 2021, 30, 098102.	0.7	32
105	Active Control of Near-Field Coupling in a Terahertz Metal-Graphene Metamaterial. IEEE Photonics Technology Letters, 2017, 29, 1998-2001.	1.3	30
106	Tunable multi-band terahertz absorber based on composite graphene structures with square ring and Jerusalem cross. Results in Physics, 2021, 25, 104233.	2.0	30
107	Surface plasmon resonance sensor based on U-shaped photonic quasi-crystal fiber. Applied Optics, 2021, 60, 1761.	0.9	27
108	Based on Ultrathin PEDOT:PSS/c-Ge Solar Cells Design and Their Photoelectric Performance. Coatings, 2021, 11, 748.	1.2	27

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109	The better photoelectric performance of thin-film TiO2/c-Si heterojunction solar cells based on surface plasmon resonance. Results in Physics, 2021, 28, 104628.	2.0	27
110	Dipole, Quadrupole, and Octupole Plasmon Resonance Modes in Ag Nanoring Structure: Local Field Enhancement in the Visible and Near Infrared Regions. Plasmonics, 2016, 11, 37-44.	1.8	26
111	Preparation of composite micro/nano structure on the silicon surface by reactive ion etching: Enhanced anti-reflective and hydrophobic properties. Superlattices and Microstructures, 2018, 117, 144-154.	1.4	26
112	Ultra-short and dual-core photonic crystal fiber polarization splitter composed of metal and gallium arsenide. Optik, 2021, 226, 165779.	1.4	25
113	Wide spectrum solar energy absorption based on germanium plated ZnO nanorod arrays: Energy band regulation, Finite element simulation, Super hydrophilicity, Photothermal conversion. Applied Materials Today, 2022, 28, 101531.	2.3	25
114	Silver nanoplates: controlled preparation, self-assembly, and applications in surface-enhanced Raman scattering. Applied Physics A: Materials Science and Processing, 2013, 110, 335-342.	1.1	24
115	Arrays of ZnO nanorods decorated with Au nanoparticles as surface-enhanced Raman scattering substrates for rapid detection of trace melamine. Physica B: Condensed Matter, 2014, 451, 58-62.	1.3	23
116	Convenient synthesis of silver nanoplates with adjustable size through seed mediated growth approach. Transactions of Nonferrous Metals Society of China, 2012, 22, 865-872.	1.7	22
117	Plasmonic absorption enhancement in graphene circular and elliptical disk arrays. Materials Research Express, 2019, 6, 045807.	0.8	22
118	Optical and magnetic properties of small-size coreâ€“shell Fe3O4@C nanoparticles. Materials Today Chemistry, 2021, 22, 100556.	1.7	22
119	SiOx@C composites obtained by facile synthesis as anodes for lithium- and potassium-ion batteries with excellent electrochemical performance. Applied Surface Science, 2021, 542, 148712.	3.1	21
120	Mesoporous gold sponges: electric charge-assisted seed mediated synthesis and application as surface-enhanced Raman scattering substrates. Scientific Reports, 2015, 5, 16137.	1.6	20
121	Effect of synthesis conditions on the growth of various ZnO nanostructures and corresponding morphology-dependent photocatalytic activities. Superlattices and Microstructures, 2016, 100, 907-917.	1.4	20
122	Multiple surface plasmon resonances of square lattice nanohole arrays in Au-SiO2-Au multilayer films. Optics Communications, 2017, 390, 1-6.	1.0	20
123	Absorption enhancement in double-layer cross-shaped graphene arrays. Materials Research Express, 2018, 5, 015605.	0.8	20
124	A Near-Infrared Multi-Band Perfect Absorber Based on 1D Gold Grating Fabry-Perot Structure. IEEE Access, 2020, 8, 72742-72748.	2.6	20
125	Broadband plasmon-induced transparency modulator in the terahertz band based on multilayer graphene metamaterials. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2021, 38, 784.	0.8	20
126	Composite structure of Au film/PMMA grating coated with Au nanocubes for SERS substrate. Optical Materials, 2021, 121, 111536.	1.7	20

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127	Surface-Plasmon-Enhanced Band Emission and Enhanced Photocatalytic Activity of Au Nanoparticles-Decorated ZnO Nanorods. Plasmonics, 2015, 10, 1373-1380.	1.8	19
128	Five-Band Terahertz Perfect Absorber Based on Metal Layerâ€“Coupled Dielectric Metamaterial. Plasmonics, 2019, 14, 1621-1628.	1.8	19
129	Excellent sensing based on dual-plasmon induced transparency in graphene metasurface. Physica E: Low-Dimensional Systems and Nanostructures, 2021, 134, 114850.	1.3	19
130	Refractive index sensing of double Fano resonance excited by nano-cube array coupled with multilayer all-dielectric film. Chinese Physics B, 0, , .	0.7	19
131	Fabrication of silver nanosheets on quartz glass substrates through electroless plating approach. Applied Physics A: Materials Science and Processing, 2014, 114, 485-493.	1.1	18
132	Tunable Nanoscale Confinement of Energy and Resonant Edge Effect in Triangular Gold Nanoprisms. Journal of Physical Chemistry C, 2013, 117, 17748-17756.	1.5	17
133	Efficient Manipulation of Terahertz waves by multi-bit Coding Metasurfaces and its further application. Chinese Physics B, 0, , .	0.7	17
134	The influence of edge and corner evolution on plasmon properties and resonant edge effect in gold nanoplatelets. Physical Chemistry Chemical Physics, 2015, 17, 2641-2650.	1.3	16
135	Outstanding slow-light effect for graphene metasurface in terahertz. Results in Physics, 2021, 23, 104002.	2.0	16
136	Triangular Au-Ag framework nanostructures prepared by multi-stage replacement and their spectral properties. Transactions of Nonferrous Metals Society of China, 2011, 21, 2049-2055.	1.7	15
137	Preparation of ZnO/Bi2O3 Composites as Heterogeneous Thin Film Materials with High Photoelectric Performance on FTO Base. Coatings, 2021, 11, 1140.	1.2	15
138	Plasmonic Coupling Effect in Silver Spongelike Networks Nanoantenna for Large Increases of Surface Enhanced Raman Scattering. Journal of Physical Chemistry C, 2013, 117, 26295-26304.	1.5	14
139	Size controllable synthesis of ultrafine spherical gold particles and their simulation of plasmonic and SERS behaviors. Physica B: Condensed Matter, 2014, 438, 22-28.	1.3	14
140	Enhanced Photothermal Effect in Ultralow-Density Carbon Aerogels with Microporous Structures for Facile Optical Ignition Applications. ACS Applied Materials & Interfaces, 2019, 11, 7250-7260.	4.0	14
141	Microwave-assisted polyol method rapid synthesis of high quality and yield Ag nanowires. Surface and Coatings Technology, 2017, 327, 118-125.	2.2	13
142	Preparation of core-shell structure KClO4@Al/CuO Nanoenergetic material and enhancement of thermal behavior. Scientific Reports, 2017, 7, 3730.	1.6	13
143	Entropy-driven catalytic reaction-induced hairpin structure switching for fluorometric detection of uranyl ions. Mikrochimica Acta, 2019, 186, 653.	2.5	13
144	Experimental and simulative study on surface enhanced Raman scattering of rhodamine 6G adsorbed on big bulk-nanocrystalline metal substrates. RSC Advances, 2015, 5, 1718-1729.	1.7	12

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145	Silk Fiber as the Support and Reductant for the Facile Synthesis of Agâ€“Fe3O4 Nanocomposites and Its Antibacterial Properties. Materials, 2016, 9, 501.	1.3	12
146	High-performance dual-control tunable absorber with switching function and high sensitivity based on Dirac semi-metallic film and vanadium oxide. Optics and Laser Technology, 2022, 153, 108245.	2.2	12
147	Broadband solar absorbers with excellent thermal radiation efficiency based on Wâ€“Al2O3 stack of cubes. International Journal of Thermal Sciences, 2022, 179, 107683.	2.6	12
148	Green, one-step and template-free synthesis of silver spongelike networks via a solvothermal method. Materials Chemistry and Physics, 2013, 139, 794-801.	2.0	11
149	Self-Organized Ag Nanorings Antenna Substrates for Surface-Enhanced Raman Spectroscopy. Plasmonics, 2014, 9, 375-379.	1.8	11
150	Triple plasmon-induced transparency in graphene and metal metamaterials and its anomalous property. Journal Physics D: Applied Physics, 2021, 54, 284001.	1.3	11
151	Synthesis and characterization of FeAl nanoparticles by flow-levitation method. Journal of Central South University, 2013, 20, 845-850.	1.2	10
152	Adjusting the Energy Bands of WO3@ZnO Nanocomposite Heterojunction Through the Combination of WO3 Thin Film to Improve its Photoelectric Performance. IEEE Access, 2020, 8, 171350-171358.	2.6	10
153	Nanoparticle attachment on Ag nanorings and nanoantenna for large increases of surface-enhanced Raman scattering. RSC Advances, 2014, 4, 23670-23678.	1.7	9
154	Nanodisk-Induced Modification of Plasmon Coupling and Appearance of Fano Resonance Without Symmetry Breaking in Concentric Ag Nanoring-Nanodisk. Plasmonics, 2017, 12, 889-898.	1.8	9
155	Tunable Multipolar Fano Resonances and Electric Field Enhancements in Au Ring-Disk Plasmonic Nanostructures. Materials, 2018, 11, 1576.	1.3	9
156	Si nano-cavity enabled surface-enhanced Raman scattering signal amplification. Nanotechnology, 2019, 30, 465204.	1.3	9
157	The influence of Î²-Ga2O3 film thickness on the optoelectronic properties of Î²-Ga2O3@ZnO nanocomposite heterogeneous materials. Materials Today Communications, 2021, 29, 102873.	0.9	9
158	Ultra-sensitive hexagonal PCF-SPR sensor with a broad detection range. Journal of Modern Optics, 2020, 67, 1545-1554.	0.6	9
159	A simple fabrication, microstructure, optical, photoluminescence and supercapacitive performances of MgMoO4/MgWO4 heterojunction micro/nanocomposites. Solid State Sciences, 2022, 129, 106909.	1.5	9
160	Synthesis and characterization of aligned ZnO/BeO core/shell nanocable arrays on glass substrate. Nanoscale Research Letters, 2011, 6, 506.	3.1	8
161	Study of strong dipole and quadrupole plasmon resonance in Ag nanorings antenna. Optical Materials Express, 2015, 5, 210.	1.6	8
162	Optical Properties and Local Electromagnetic Field Enhancement of Periodic Rectangular Nanohole Arrays in Au-Interlayer-Au Multilayer Films. Plasmonics, 2017, 12, 1929-1937.	1.8	8

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163	Laser emission from flash ignition of Zr/Al nanoparticles. Optics Express, 2017, 25, A932.	1.7	8
164	Unidirectional reflectionless propagation of near-infrared light in resonator-assisted non-parity-time symmetric waveguides. New Journal of Physics, 2021, 23, 053015.	1.2	8
165	Effect of heat treatment of Mn-Cu precursors on morphology of dealloyed nanoporous copper. Journal of Central South University, 2012, 19, 17-21.	1.2	7
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