Yichun Liu

List of Publications by Year
in descending order

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		4641	5965
567	33,993	85	160
papers	citations	h-index	g-index

568	568	568	35568
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Interface engineering of highly efficient perovskite solar cells. Science, 2014, 345, 542-546.	6.0	5,936
2	Synaptic Learning and Memory Functions Achieved Using Oxygen Ion Migration/Diffusion in an Amorphous InGaZnO Memristor. Advanced Functional Materials, 2012, 22, 2759-2765.	7.8	627
3	Electrospun Nanofibers of p-Type NiO/n-Type ZnO Heterojunctions with Enhanced Photocatalytic Activity. ACS Applied Materials & Interfaces, 2010, 2, 2915-2923.	4.0	574
4	In situ assembly of well-dispersed Ag nanoparticles (AgNPs) on electrospun carbon nanofibers (CNFs) for catalytic reduction of 4-nitrophenol. Nanoscale, 2011, 3, 3357.	2.8	566
5	High Photocatalytic Activity of ZnOâ^'Carbon Nanofiber Heteroarchitectures. ACS Applied Materials & Interfaces, 2011, 3, 590-596.	4.0	415
6	Electrospun Nanofibers of ZnOâ^'SnO₂ Heterojunction with High Photocatalytic Activity. Journal of Physical Chemistry C, 2010, 114, 7920-7925.	1.5	345
7	Hierarchical assembly of ultrathin hexagonal SnS₂nanosheets onto electrospun TiO₂nanofibers: enhanced photocatalytic activity based on photoinduced interfacial charge transfer. Nanoscale, 2013, 5, 606-618.	2.8	344
8	Enhancement of the Visible-Light Photocatalytic Activity of In₂O₃â€“TiO₂ Nanofiber Heteroarchitectures. ACS Applied Materials & Interfaces, 2012, 4, 424-430.	4.0	320
9	Structural and Optical Properties of Uniform ZnO Nanosheets. Advanced Materials, 2005, 17, 586-590.	11.1	313
10	SnO₂ Nanostructures-TiO₂ Nanofibers Heterostructures: Controlled Fabrication and High Photocatalytic Properties. Inorganic Chemistry, 2009, 48, 7261-7268.	1.9	311
11	Highly dispersed Fe3O4 nanosheets on one-dimensional carbon nanofibers: Synthesis, formation mechanism, and electrochemical performance as supercapacitor electrode materials. Nanoscale, 2011, 3, 5034.	2.8	299
12	A single Eu2+-activated high-color-rendering oxychloride white-light phosphor for white-light-emitting diodes. Light: Science and Applications, 2016, 5, e16024-e16024.	7.7	289
13	In situ assembly of well-dispersed gold nanoparticles on electrospun silica nanotubes for catalytic reduction of 4-nitrophenol. Chemical Communications, 2011, 47, 3906.	2.2	276
14	A Facile in Situ Hydrothermal Method to SrTiO₃/TiO₂ Nanofiber Heterostructures with High Photocatalytic Activity. Langmuir, 2011, 27, 2946-2952.	1.6	269
15	Photoswitches and Phototransistors from Organic Singleâ€Crystalline Subâ€micro/nanometer Ribbons. Advanced Materials, 2007, 19, 2624-2628.	11.1	262
16	Low Threshold Voltage Transistors Based on Individual Single-Crystalline Submicrometer-Sized Ribbons of Copper Phthalocyanine. Advanced Materials, 2006, 18, 65-68.	11.1	252
17	Tubular nanocomposite catalysts based on size-controlled and highly dispersed silver nanoparticles assembled on electrospun silicananotubes for catalytic reduction of 4-nitrophenol. Journal of Materials Chemistry, 2012, 22, 1387-1395.	6.7	251
18	An Ultra Closely Ï€â€Stacked Organic Semiconductor for High Performance Fieldâ€Effect Transistors. Advanced Materials, 2007, 19, 2613-2617.	11.1	247

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19	Photocatalytic properties BiOCl and Bi2O3 nanofibers prepared by electrospinning. Scripta Materialia, 2008, 59, 332-335.	2.6	246
20	One-dimensional Bi2MoO6/TiO2 hierarchical heterostructures with enhanced photocatalytic activity. CrystEngComm, 2012, 14, 605-612.	1.3	228
21	Growth of ZnO Nanostructures with Different Morphologies by Using Hydrothermal Technique. Journal of Physical Chemistry B, 2006, 110, 20263-20267.	1.2	207
22	White-light emission of polyvinyl alcoholâˆ•ZnO hybrid nanofibers prepared by electrospinning. Applied Physics Letters, 2005, 87, 113115.	1.5	205
23	Facile in situ synthesis of plasmonic nanoparticles-decorated g-C₃N₄/TiO₂heterojunction nanofibers and comparison study of their photosynergistic effects for efficient photocatalytic H₂evolution. Nanoscale, 2016, 8, 11034-11043.	2.8	204
24	Flexible solid-state supercapacitors based on freestanding nitrogen-doped porous carbon nanofibers derived from electrospun polyacrylonitrile@polyaniline nanofibers. Journal of Materials Chemistry A, 2016, 4, 4180-4187.	5.2	203
25	Hierarchical heterostructures of Bi2MoO6 on carbon nanofibers: controllable solvothermal fabrication and enhanced visible photocatalytic properties. Journal of Materials Chemistry, 2012, 22, 577-584.	6.7	196
26	Optical properties of ZnO and ZnO:In nanorods assembled by sol-gel method. Journal of Chemical Physics, 2005, 123, 134701.	1.2	194
27	Hierarchical Nanostructures of Copper(II) Phthalocyanine on Electrospun TiO₂ Nanofibers: Controllable Solvothermal-Fabrication and Enhanced Visible Photocatalytic Properties. ACS Applied Materials & Interfaces, 2011, 3, 369-377.	4.0	194
28	ZnO Hollow Nanofibers: Fabrication from Facile Single Capillary Electrospinning and Applications in Gas Sensors. Journal of Physical Chemistry C, 2009, 113, 19397-19403.	1.5	189
29	TiO2@carbon core/shell nanofibers: Controllable preparation and enhanced visible photocatalytic properties. Nanoscale, 2011, 3, 2943.	2.8	187
30	Electrospinning preparation, characterization and photocatalytic properties of Bi2O3 nanofibers. Journal of Colloid and Interface Science, 2009, 333, 242-248.	5.0	183
31	Superhydrophobic and Ultraviolet-Blocking Cotton Textiles. ACS Applied Materials & Interfaces, 2011, 3, 1277-1281.	4.0	177
32	Gas Dielectric Transistor of CuPc Single Crystalline Nanowire for SO₂ Detection Down to Subâ€ppm Levels at Room Temperature. Advanced Materials, 2013, 25, 2269-2273.	11.1	158
33	F-doping effects on electrical and optical properties of ZnO nanocrystalline films. Applied Physics Letters, 2005, 86, 123107.	1.5	156
34	p-MoO₃ Nanostructures/n-TiO₂ Nanofiber Heterojunctions: Controlled Fabrication and Enhanced Photocatalytic Properties. ACS Applied Materials & Interfaces, 2014, 6, 9004-9012.	4.0	148
35	A novel method for making ZrO2 nanofibres via an electrospinning technique. Journal of Crystal Growth, 2004, 267, 380-384.	0.7	143
36	Core/shell nanofibers of TiO2@carbon embedded by Ag nanoparticles with enhanced visible photocatalytic activity. Journal of Materials Chemistry, 2011, 21, 17746.	6.7	143

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37	Defect-Induced Yellow Color in Nb-Doped TiO₂ and Its Impact on Visible-Light Photocatalysis. Journal of Physical Chemistry C, 2015, 119, 16623-16632.	1.5	142
38	A Highly Efficient White Light (Sr₃,Ca,Ba)(PO₄)₃Cl:Eu²⁺, Tb³⁺, Mn²⁺ Phosphor via Dual Energy Transfers for White Light-Emitting Diodes. Inorganic Chemistry, 2014, 53, 3441-3448.	1.9	141
39	Reduced Graphene Oxide Conformally Wrapped Silver Nanowire Networks for Flexible Transparent Heating and Electromagnetic Interference Shielding. ACS Nano, 2020, 14, 8754-8765.	7.3	135
40	Heterojunction of g-C3N4/BiOI Immobilized on Flexible Electrospun Polyacrylonitrile Nanofibers: Facile Preparation and Enhanced Visible Photocatalytic Activity for Floating Photocatalysis. ACS Sustainable Chemistry and Engineering, 2018, 6, 2316-2323.	3.2	132
41	TiO2-x/CoOx photocatalyst sparkles in photothermocatalytic reduction of CO2 with H2O steam. Applied Catalysis B: Environmental, 2019, 243, 760-770.	10.8	132
42	Visible and ultraviolet light alternative photodetector based on ZnO nanowire/n-Si heterojunction. Applied Physics Letters, 2008, 93, .	1.5	130
43	Bi2MoO6 microtubes: Controlled fabrication by using electrospun polyacrylonitrile microfibers as template and their enhanced visible light photocatalytic activity. Journal of Hazardous Materials, 2012, 225-226, 155-163.	6.5	130
44	Structure and photoluminescence of Mn-passivated nanocrystalline ZnO thin films. Journal of Crystal Growth, 2003, 254, 80-85.	0.7	125
45	Toward a generalized Bienenstock-Cooper-Munro rule for spatiotemporal learning via triplet-STDP in memristive devices. Nature Communications, 2020, 11, 1510.	5.8	124
46	Growth and Optical Properties of Faceted Hexagonal ZnO Nanotubes. Journal of Physical Chemistry B, 2006, 110, 14714-14718.	1.2	123
47	Polyaniline-coated electrospun carbon nanofibers with high mass loading and enhanced capacitive performance as freestanding electrodes for flexible solid-state supercapacitors. Energy, 2016, 95, 233-241.	4.5	122
48	Electrospun nanofibers of V-doped TiO2 with high photocatalytic activity. Journal of Colloid and Interface Science, 2010, 351, 57-62.	5.0	121
49	Flexible Resistive Switching Memory Device Based on Amorphous InGaZnO Film With Excellent Mechanical Endurance. IEEE Electron Device Letters, 2011, 32, 1442-1444.	2.2	121
50	Inâ€‰Situ Patterning of Organic Single-Crystalline Nanoribbons on a SiO2 Surface for the Fabrication of Various Architectures and High-Quality Transistors. Advanced Materials, 2006, 18, 3010-3014.	11.1	120
51	Polyacrylonitrile and Carbon Nanofibers with Controllable Nanoporous Structures by Electrospinning. Macromolecular Materials and Engineering, 2009, 294, 673-678.	1.7	119
52	Enhanced Raman Scattering of ZnO Quantum Dots on Silver Colloids. Journal of Physical Chemistry C, 2007, 111, 3290-3293.	1.5	118
53	Heterostructured TiO2/WO3 porous microspheres: Preparation, characterization and photocatalytic properties. Catalysis Today, 2013, 201, 195-202.	2.2	118
54	Preparation of Mn2O3 and Mn3O4 nanofibers via an electrospinning technique. Journal of Solid State Chemistry, 2004, 177, 2628-2631.	1.4	116

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55	Room-temperature ferromagnetism in (Mn, N)-codoped ZnO thin films prepared by reactive magnetron cosputtering. Applied Physics Letters, 2006, 88, 242502.	1.5	116
56	Three dimensional hierarchical heterostructures of g-C3N4 nanosheets/TiO2 nanofibers: Controllable growth via gas-solid reaction and enhanced photocatalytic activity under visible light. Journal of Hazardous Materials, 2018, 344, 113-122.	6.5	116
57	Promotion of multi-electron transfer for enhanced photocatalysis: A review focused on oxygen reduction reaction. Applied Surface Science, 2015, 358, 28-45.	3.1	115
58	Bi4Ti3O12 nanosheets/TiO2 submicron fibers heterostructures: in situ fabrication and high visible light photocatalytic activity. Journal of Materials Chemistry, 2011, 21, 6922.	6.7	113
59	In situ assembly of well-dispersed Au nanoparticles on TiO2/ZnO nanofibers: A three-way synergistic heterostructure with enhanced photocatalytic activity. Journal of Hazardous Materials, 2012, 237-238, 331-338.	6.5	113
60	Hydrothermal synthesis of carbon-rich graphitic carbon nitride nanosheets for photoredox catalysis. Journal of Materials Chemistry A, 2015, 3, 3281-3284.	5.2	113
61	Hydrothermal Growth of Layered Titanate Nanosheet Arrays on Titanium Foil and Their Topotactic Transformation to Heterostructured TiO₂ Photocatalysts. Journal of Physical Chemistry C, 2011, 115, 22276-22285.	1.5	111
62	Memristors with organicâ€inorganic halide perovskites. InformaÄnÃ-MateriÃ¡ly, 2019, 1, 183-210.	8.5	111
63	Phytotoxic and genotoxic effects of ZnO nanoparticles on garlic (Allium sativumL.): A morphological study. Nanotoxicology, 2012, 6, 241-248.	1.6	109
64	Biodegradable Natural Pectinâ€Based Flexible Multilevel Resistive Switching Memory for Transient Electronics. Small, 2019, 15, e1803970.	5.2	109
65	Photo-assisted preparation and patterning of large-area reduced graphene oxideâ€“TiO2 conductive thin film. Chemical Communications, 2010, 46, 3499.	2.2	105
66	Performance improvement of resistive switching memory achieved by enhancing local-electric-field near electromigrated Ag-nanoclusters. Nanoscale, 2013, 5, 4490.	2.8	105
67	Biocompatible ZnO/Au Nanocomposites for Ultrasensitive DNA Detection Using Resonance Raman Scattering. Journal of Physical Chemistry B, 2008, 112, 6484-6489.	1.2	104
68	One-dimensional hierarchical heterostructures of In2S3 nanosheets on electrospun TiO2 nanofibers with enhanced visible photocatalytic activity. Journal of Hazardous Materials, 2013, 260, 892-900.	6.5	103
69	Bi2MoO6/BiFeO3 heterojunction nanofibers: Enhanced photocatalytic activity, charge separation mechanism and magnetic separability. Journal of Colloid and Interface Science, 2018, 529, 404-414.	5.0	99
70	Fabrication of NiCo2O4 nanofibers by electrospinning. Solid State Communications, 2004, 131, 107-109.	0.9	96
71	The structural and optical properties of Cu2O films electrodeposited on different substrates. Semiconductor Science and Technology, 2005, 20, 44-49.	1.0	96
72	Temperature dependence of excitonic luminescence from nanocrystalline ZnO films. Journal of Luminescence, 2002, 99, 149-154.	1.5	93

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73	Structure and optically pumped lasing from nanocrystalline ZnO thin films prepared by thermal oxidation of ZnS thin films. Journal of Applied Physics, 2002, 92, 3293-3298.	1.1	92
74	Optical properties and electrical characterization of p-type ZnO thin films prepared by thermally oxiding Zn₃N₂ thin films. Journal of Materials Research, 2003, 18, 8-13.	1.2	92
75	Waterâ^'Dichloromethane Interface Controlled Synthesis of Hierarchical Rutile TiO₂ Superstructures and Their Photocatalytic Properties. Inorganic Chemistry, 2009, 48, 1105-1113.	1.9	92
76	Ultrafast Li-ion battery anode with superlong life and excellent cycling stability from strongly coupled ZnO nanoparticle/conductive nanocarbon skeleton hybrid materials. Nano Energy, 2013, 2, 579-585.	8.2	92
77	The electrical properties and the interfaces of Cu2O/ZnO/ITO pâ€“iâ€“n heterojunction. Physica B: Condensed Matter, 2004, 351, 178-183.	1.3	91
78	High quality ZnO thin films grown by plasma enhanced chemical vapor deposition. Journal of Applied Physics, 2002, 91, 501.	1.1	90
79	Nonvolatile/volatile behaviors and quantized conductance observed in resistive switching memory based on amorphous carbon. Carbon, 2015, 91, 38-44.	5.4	90
80	Electrospun Carbon Nanofibers/Carbon Nanotubes/Polyaniline Ternary Composites with Enhanced Electrochemical Performance for Flexible Solid-State Supercapacitors. ACS Sustainable Chemistry and Engineering, 2016, 4, 1689-1696.	3.2	90
81	Photoluminescence of polyethylene oxideâ€“ZnO composite electrospun fibers. Polymer, 2007, 48, 1459-1463.	1.8	89
82	Three-dimensional freestanding hierarchically porous carbon materials as binder-free electrodes for supercapacitors: high capacitive property and long-term cycling stability. Journal of Materials Chemistry A, 2016, 4, 5623-5631.	5.2	89
83	Enhanced Solar Photothermal Catalysis over Solution Plasma Activated TiO₂. Advanced Science, 2020, 7, 2000204.	5.6	89
84	Tin oxide (SnO2) nanoparticles/electrospun carbon nanofibers (CNFs) heterostructures: Controlled fabrication and high capacitive behavior. Journal of Colloid and Interface Science, 2011, 356, 706-712.	5.0	88
85	TiO₂/SrTiO₃/g-C₃N₄ ternary heterojunction nanofibers: gradient energy band, cascade charge transfer, enhanced photocatalytic hydrogen evolution, and nitrogen fixation. Nanoscale, 2020, 12, 8320-8329.	2.8	88
86	Electrospun nanofibers of TiO2/CdS heteroarchitectures with enhanced photocatalytic activity by visible light. Journal of Colloid and Interface Science, 2011, 359, 220-227.	5.0	87
87	Nanofibers of CeO2 via an electrospinning technique. Thin Solid Films, 2005, 478, 228-231.	0.8	86
88	Structural and photoluminescent properties of ZnO hexagonal nanoprisms synthesized by microemulsion with polyvinyl pyrrolidone served as surfactant and passivant. Chemical Physics Letters, 2006, 424, 340-344.	1.2	86
89	A Simple Method for Controllable Preparation of Polymer Nanotubes via a Single Capillary Electrospinning. Langmuir, 2007, 23, 10920-10923.	1.6	86
90	Bi2MoO6 ultrathin nanosheets on ZnTiO3 nanofibers: A 3D open hierarchical heterostructures synergistic system with enhanced visible-light-driven photocatalytic activity. Journal of Hazardous Materials, 2012, 217-218, 422-428.	6.5	86

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91	Photoluminescence and Raman behaviors of ZnO nanostructures with different morphologies. Journal of Crystal Growth, 2006, 289, 55-58.	0.7	85
92	Surface oxygen vacancies on WO3 contributed to enhanced photothermo-synergistic effect. Applied Surface Science, 2017, 391, 654-661.	3.1	85
93	High-quality ZnO thin films prepared by two-step thermal oxidation of the metallic Zn. Journal of Crystal Growth, 2002, 240, 467-472.	0.7	84
94	Structural, optical, and magnetic properties of Mn-doped ZnO thin film. Journal of Chemical Physics, 2006, 124, 074707.	1.2	84
95	Color tuning of (K1â^'x,Nax)SrPO4:0.005Eu2+, yTb3+ blue-emitting phosphors via crystal field modulation and energy transfer. Journal of Materials Chemistry C, 2013, 1, 4570.	2.7	84
96	Photoelectrochemical Water Splitting with Rutile TiO2 Nanowires Array: Synergistic Effect of Hydrogen Treatment and Surface Modification with Anatase Nanoparticles. Electrochimica Acta, 2014, 130, 290-295.	2.6	84
97	Effects of pectin structure and crosslinking method on the properties of crosslinked pectin nanofibers. Carbohydrate Polymers, 2017, 157, 766-774.	5.1	83
98	Carbon-modified BiVO4 microtubes embedded with Ag nanoparticles have high photocatalytic activity under visible light. Nanoscale, 2012, 4, 7501.	2.8	82
99	Composition-controllable p-CuO/n-ZnO hollow nanofibers for high-performance H2S detection. Sensors and Actuators B: Chemical, 2019, 285, 495-503.	4.0	82
100	Plasmonic Optoelectronic Memristor Enabling Fully Lightâ€Modulated Synaptic Plasticity for Neuromorphic Vision. Advanced Science, 2022, 9, e2104632.	5.6	81
101	CuO/Cu₂O nanofibers as electrode materials for non-enzymatic glucose sensors with improved sensitivity. RSC Advances, 2014, 4, 31056.	1.7	79
102	Strain-Discriminable Pressure/Proximity Sensing of Transparent Stretchable Electronic Skin Based on PEDOT:PSS/SWCNT Electrodes. ACS Applied Materials & Interfaces, 2020, 12, 55083-55093.	4.0	79
103	Local chemical states and thermal stabilities of nitrogen dopants in ZnO film studied by temperature-dependent x-ray photoelectron spectroscopy. Applied Physics Letters, 2009, 95, .	1.5	78
104	Size-Controlled Synthesis and Optical Properties of Small-Sized ZnO Nanorods. Journal of Physical Chemistry C, 2009, 113, 7497-7502.	1.5	78
105	Highly Efficient Decomposition of Organic Dye by Aqueous-Solid Phase Transfer and In Situ Photocatalysis Using Hierarchical Copper Phthalocyanine Hollow Spheres. ACS Applied Materials & Interfaces, 2011, 3, 2573-2578.	4.0	78
106	Simple Ethanol Impregnation Treatment Can Enhance Photocatalytic Activity of TiO₂ Nanoparticles under Visible-Light Irradiation. ACS Applied Materials & Interfaces, 2015, 7, 7752-7758.	4.0	78
107	Stretchable and conformable synapse memristors for wearable and implantable electronics. Nanoscale, 2018, 10, 18135-18144.	2.8	78
108	Structural and optical properties of ZnO nanotower bundles. Applied Physics Letters, 2006, 88, 123111.	1.5	77

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109	Solar photocatalytic activities of porous Nb-doped TiO2 microspheres prepared by ultrasonic spray pyrolysis. Solid State Sciences, 2012, 14, 139-144.	1.5	77
110	Ultraviolet electroluminescence from p-GaN/i-ZnO/n-ZnO heterojunction light-emitting diodes. Applied Physics B: Lasers and Optics, 2005, 80, 871-874.	1.1	76
111	Electrospun nanofibers of p-type BiFeO₃/n-type TiO₂hetero-junctions with enhanced visible-light photocatalytic activity. RSC Advances, 2014, 4, 31941.	1.7	75
112	Highâ€Performance, Ultrathin, Ultraflexible Organic Thinâ€Film Transistor Array Via Solution Process. Small, 2018, 14, e1801020.	5.2	75
113	Polylactide nanofibers delivering doxycycline for chronic wound treatment. Materials Science and Engineering C, 2019, 104, 109745.	3.8	75
114	Construction of In2O3/ZnO yolk-shell nanofibers for room-temperature NO2 detection under UV illumination. Journal of Hazardous Materials, 2021, 403, 124093.	6.5	75
115	The Optical Properties of ZnO Nanoparticles Capped with Polyvinyl Butyral. Journal of Sol-Gel Science and Technology, 2004, 30, 157-161.	1.1	74
116	Synthesis and luminescence properties of Eu3+-doped ZnO nanocrystals by a hydrothermal process. Materials Chemistry and Physics, 2007, 106, 305-309.	2.0	74
117	Interface State-Induced Negative Differential Resistance Observed in Hybrid Perovskite Resistive Switching Memory. ACS Applied Materials & Interfaces, 2018, 10, 21755-21763.	4.0	74
118	Revisiting Pt/TiO₂ photocatalysts for thermally assisted photocatalytic reduction of CO₂. Nanoscale, 2020, 12, 7000-7010.	2.8	73
119	In₂O₃nanocubes/carbon nanofibers heterostructures with high visible light photocatalytic activity. Journal of Materials Chemistry, 2012, 22, 1786-1793.	6.7	72
120	Electrospun nanofibers of NiO/ZnO composite. Inorganic Chemistry Communication, 2004, 7, 625-627.	1.8	71
121	Direct Z-scheme heterostructure of p-CuAl2O4/n-Bi2WO6 composite nanofibers for efficient overall water splitting and photodegradation. Journal of Colloid and Interface Science, 2019, 550, 170-179.	5.0	71
122	Synthesis of Fe3O4/CNTs magnetic nanocomposites at the liquidâ€“liquid interface using oleate as surfactant and reactant. Journal of Magnetism and Magnetic Materials, 2009, 321, 408-412.	1.0	70
123	BiOCl nanosheets immobilized on electrospun polyacrylonitrile nanofibers with high photocatalytic activity and reusable property. Applied Surface Science, 2013, 285, 509-516.	3.1	70
124	Hierarchical heterostructures of p-type BiOCl nanosheets on electrospun n-type TiO2 nanofibers with enhanced photocatalytic activity. Catalysis Communications, 2015, 67, 6-10.	1.6	70
125	An electron-rich free-standing carbon@Au coreâ€“shell nanofiber network as a highly active and recyclable catalyst for the reduction of 4-nitrophenol. Physical Chemistry Chemical Physics, 2013, 15, 10453.	1.3	69
126	CuO nanoparticles/nitrogen-doped carbon nanofibers modified glassy carbon electrodes for non-enzymatic glucose sensors with improved sensitivity. Ceramics International, 2016, 42, 11285-11293.	2.3	69

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127	3D MoS 2 nanosheet/TiO 2 nanofiber heterostructures with enhanced photocatalytic activity under UV irradiation. Journal of Alloys and Compounds, 2016, 686, 137-144.	2.8	69
128	Resonant Raman scattering and photoluminescence from high-quality nanocrystalline ZnO thin films prepared by thermal oxidation of ZnS thin films. Journal Physics D: Applied Physics, 2001, 34, 3430-3433.	1.3	68
129	Iron phthalocyanine/TiO2 nanofiber heterostructures with enhanced visible photocatalytic activity assisted with H2O2. Journal of Hazardous Materials, 2012, 219-220, 156-163.	6.5	67
130	Enhanced photoelectrochemical performance of nanoporous BiVO4 photoanode by combining surface deposited cobalt-phosphate with hydrogenation treatment. Electrochimica Acta, 2016, 195, 51-58.	2.6	66
131	Highly stable copper wire/alumina/polyimide composite films for stretchable and transparent heaters. Journal of Materials Chemistry C, 2016, 4, 3581-3591.	2.7	66
132	Electrical and structural properties of p-type ZnO:N thin films prepared by plasma enhanced chemical vapour deposition. Semiconductor Science and Technology, 2005, 20, 796-800.	1.0	65
133	Electrically pumped near-ultraviolet lasing from ZnO/MgO core/shell nanowires. Applied Physics Letters, 2011, 99, .	1.5	65
134	Fabrication, structure, and enhanced photocatalytic properties of hierarchical CeO2 nanostructures/TiO2 nanofibers heterostructures. Materials Research Bulletin, 2010, 45, 1406-1412.	2.7	64
135	The photoluminescence properties of ZnO:N films fabricated by thermally oxidizing Zn3N2films using plasma-assisted metal-organic chemical vapour deposition. Journal of Physics Condensed Matter, 2004, 16, 4635-4642.	0.7	63
136	Preparation and characterization of ZnO particles embedded in SiO2 matrix by reactive magnetron sputtering. Journal of Applied Physics, 2005, 97, 103509.	1.1	63
137	In situ Generation of Well-Dispersed ZnO Quantum Dots on Electrospun Silica Nanotubes with High Photocatalytic Activity. ACS Applied Materials & Interfaces, 2012, 4, 785-790.	4.0	63
138	Multi-heterojunction photocatalysts based on WO3 nanorods: Structural design and optimization for enhanced photocatalytic activity under visible light. Chemical Engineering Journal, 2014, 237, 29-37.	6.6	63
139	Reversible alternation between bipolar and unipolar resistive switching in Ag/MoS₂/Au structure for multilevel flexible memory. Journal of Materials Chemistry C, 2018, 6, 7195-7200.	2.7	63
140	Effects of RF power on properties of ZnO thin films grown on Si (001) substrate by plasma enhanced chemical vapor deposition. Journal of Crystal Growth, 2003, 249, 179-185.	0.7	62
141	Growth of single-crystalline rutile TiO2 nanowire array on titanate nanosheet film for dye-sensitized solar cells. Journal of Materials Chemistry, 2012, 22, 6389.	6.7	62
142	Photoassisted Electroforming Method for Reliable Lowâ€Power Organicâ€“Inorganic Perovskite Memristors. Advanced Functional Materials, 2020, 30, 1910151.	7.8	62
143	The optical properties of ZnO films grown on porous Si templates. Journal Physics D: Applied Physics, 2003, 36, 2705-2708.	1.3	61
144	Hollow CuFe2O4/Î±-Fe2O3 composite with ultrathin porous shell for acetone detection at ppb levels. Sensors and Actuators B: Chemical, 2018, 258, 436-446.	4.0	61

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145	Flexible, Conformal Organic Synaptic Transistors on Elastomer for Biomedical Applications. Advanced Functional Materials, 2019, 29, 1901107.	7.8	61
146	Photocatalytic and photoelectrochemical studies on N-doped TiO2 photocatalyst. Journal of Photochemistry and Photobiology A: Chemistry, 2009, 202, 39-47.	2.0	60
147	A flexible conformable artificial organ-damage memory system towards hazardous gas leakage based on a single organic transistor. Materials Horizons, 2019, 6, 717-726.	6.4	60
148	Discrete heterojunction nanofibers of BiFeO3/Bi2WO6: Novel architecture for effective charge separation and enhanced photocatalytic performance. Journal of Colloid and Interface Science, 2020, 572, 257-268.	5.0	60
149	Sn-doping induced oxygen vacancies on the surface of the In2O3 nanofibers and their promoting effect on sensitive NO2 detection at low temperature. Sensors and Actuators B: Chemical, 2020, 317, 128194.	4.0	60
150	Effects of thermal annealing on ZnO films grown by plasma enhanced chemical vapour deposition from Zn(C2H5)2and CO2gas mixtures. Journal Physics D: Applied Physics, 2003, 36, 719-722.	1.3	59
151	Nitrogen-related recombination mechanisms in p-type ZnO films grown by plasma-assisted molecular beam epitaxy. Journal of Applied Physics, 2007, 102, .	1.1	59
152	Pectinate nanofiber mat with high absorbency and antibacterial activity: A potential superior wound dressing to alginate and chitosan nanofiber mats. Carbohydrate Polymers, 2017, 174, 591-600.	5.1	59
153	Assembling n-Bi₂MoO₆ Nanosheets on Electrospun p-CuAl₂O₄ Hollow Nanofibers: Enhanced Photocatalytic Activity Based on Highly Efficient Charge Separation and Transfer. ACS Sustainable Chemistry and Engineering, 2018, 6, 10714-10723.	3.2	59
154	Thermal coupled photoconductivity as a tool to understand the photothermal catalytic reduction of CO2. Chinese Journal of Catalysis, 2020, 41, 154-160.	6.9	59
155	Single-phased white-emitting 12CaOÂ·7Al2O3:Ce3+, Dy3+ phosphors with suitable electrical conductivity for field emission displays. Journal of Materials Chemistry, 2012, 22, 16839.	6.7	58
156	Cross-Linked Pectin Nanofibers with Enhanced Cell Adhesion. Biomacromolecules, 2018, 19, 490-498.	2.6	58
157	Transferable and Flexible Artificial Memristive Synapse Based on WO_x Schottky Junction on Arbitrary Substrates. Advanced Electronic Materials, 2018, 4, 1800373.	2.6	58
158	Photocatalytic Reduction of Graphene Oxideâ€“TiO₂ Nanocomposites for Improving Resistiveâ€Switching Memory Behaviors. Small, 2018, 14, e1801325.	5.2	58
159	Reusable and Flexible g-C₃N₄/Ag₃PO₄/Polyacrylonitrile Heterojunction Nanofibers for Photocatalytic Dye Degradation and Oxygen Evolution. ACS Applied Nano Materials, 2019, 2, 3081-3090.	2.4	58
160	The synthesis and optical properties of the heterostructured ZnO/Au nanocomposites. Journal of Colloid and Interface Science, 2008, 326, 392-395.	5.0	57
161	Heterostructured ZnO/Au Nanoparticles-Based Resonant Raman Scattering for Protein Detection. Journal of Physical Chemistry B, 2009, 113, 1468-1472.	1.2	57
162	One-Dimensional Nanostructure Field-Effect Sensors for Gas Detection. Sensors, 2014, 14, 13999-14020.	2.1	57

#	Article	IF	Citations
163	Preparation of ZnO colloids by aggregation of the nanocrystal subunits. Journal of Colloid and Interface Science, 2005, 283, 380-384.	5.0	55
164	Dandelion-like Fe3O4@CuTNPc hierarchical nanostructures as a magnetically separable visible-light photocatalyst. Journal of Materials Chemistry, 2011, 21, 12083.	6.7	54
165	Room-temperature blue luminescence from ZnO:Er thin films. Thin Solid Films, 2002, 413, 257-261.	0.8	53
166	Bioinspired Preparation of Ultrathin SiO₂ Shell on ZnO Nanowire Array for Ultraviolet-Durable Superhydrophobicity. Langmuir, 2009, 25, 13619-13624.	1.6	53
167	Enhanced waveguide-type ultraviolet electroluminescence from ZnO/MgZnO core/shell nanorod array light-emitting diodes via coupling with Ag nanoparticles localized surface plasmons. Nanoscale, 2015, 7, 1073-1080.	2.8	53
168	Accurate identification of layer number for few-layer WS₂and WSe₂via spectroscopic study. Nanotechnology, 2018, 29, 124001.	1.3	52
169	Ultrasensitive Flexible Proximity Sensor Based on Organic Crystal for Location Detection. ACS Applied Materials & Interfaces, 2018, 10, 2785-2792.	4.0	51
170	Rutile TiO2 nanowires on anatase TiO2 nanofibers: A branched heterostructured photocatalysts via interface-assisted fabrication approach. Journal of Colloid and Interface Science, 2011, 363, 157-164.	5.0	50
171	Magnetically separable Bi2MoO6/ZnFe2O4 heterostructure nanofibers: Controllable synthesis and enhanced visible light photocatalytic activity. Journal of Alloys and Compounds, 2018, 747, 916-925.	2.8	50
172	Rutile TiO2 nanowire array infiltrated with anatase nanoparticles as photoanode for dye-sensitized solar cells: enhanced cell performance via the rutileâ€“anatase heterojunction. Journal of Materials Chemistry A, 2013, 1, 3309.	5.2	49
173	ZnO ultraviolet random laser diode on metal copper substrate. Optics Express, 2014, 22, 16731.	1.7	49
174	Enhanced photoelectrochemical water splitting on hematite thin film with layer-by-layer deposited ultrathin TiO2 underlayer. International Journal of Hydrogen Energy, 2014, 39, 16212-16219.	3.8	49
175	Effect of SiO₂ Spacer-Layer Thickness on Localized Surface Plasmon-Enhanced ZnO Nanorod Array LEDs. ACS Applied Materials & Interfaces, 2016, 8, 1653-1660.	4.0	49
176	Brain-inspired computing via memory device physics. APL Materials, 2021, 9, .	2.2	49
177	Multifunctional ZnO/Ag nanorod array as highly sensitive substrate for surface enhanced Raman detection. Colloids and Surfaces B: Biointerfaces, 2012, 94, 157-162.	2.5	48
178	Enhanced ultraviolet emission and improved spatial distribution uniformity of ZnO nanorod array light-emitting diodes via Ag nanoparticles decoration. Nanoscale, 2013, 5, 8634.	2.8	48
179	AgNPs-incorporated nanofiber mats: Relationship between AgNPs size/content, silver release, cytotoxicity, and antibacterial activity. Materials Science and Engineering C, 2021, 118, 111331.	3.8	48
180	MgO nanofibres via an electrospinning technique. Journal of Materials Science, 2006, 41, 3821-3824.	1.7	47

#	Article	IF	Citations
181	Stability of p-type conductivity in nitrogen-doped ZnO thin film. Applied Physics Letters, 2008, 92, .	1.5	47
182	Enhanced electrochromic properties of a TiO₂nanowire array via decoration with anatase nanoparticles. Journal of Materials Chemistry C, 2014, 2, 7891.	2.7	47
183	Reducing the content of carrier polymer in pectin nanofibers by electrospinning at low loading followed with selective washing. Materials Science and Engineering C, 2016, 59, 885-893.	3.8	47
184	Cyclingâ€Induced Degradation of Organicâ€“Inorganic Perovskiteâ€Based Resistive Switching Memory. Advanced Materials Technologies, 2019, 4, 1800238.	3.0	47
185	Photoreduced nanocomposites of graphene oxide/N-doped carbon dots toward all-carbon memristive synapses. NPG Asia Materials, 2020, 12, .	3.8	47
186	Production, structure, and optical properties of ZnO nanocrystals embedded in CaF2 matrix. Applied Physics Letters, 2003, 83, 1210-1212.	1.5	46
187	Synthesis and characterization of Sb/CNT and Bi/CNT composites as anode materials for lithium-ion batteries. Materials Letters, 2008, 62, 2092-2095.	1.3	46
188	Coexistence of an anatase/TiO2(B) heterojunction and an exposed (001) facet in TiO2 nanoribbon photocatalysts synthesized via a fluorine-free route and topotactic transformation. Nanoscale, 2014, 6, 5329.	2.8	46
189	Flexible solid-state supercapacitors based on freestanding electrodes of electrospun polyacrylonitrile@polyaniline core-shell nanofibers. Electrochimica Acta, 2015, 176, 293-300.	2.6	46
190	Octahedral-Like CuO/In₂O₃ Mesocages with Double-Shell Architectures: Rational Preparation and Application in Hydrogen Sulfide Detection. ACS Applied Materials & Interfaces, 2017, 9, 44632-44640.	4.0	46
191	Control over energy level match in Keggin polyoxometallate-TiO2 microspheres for multielectron photocatalytic reactions. Applied Catalysis B: Environmental, 2018, 234, 79-89.	10.8	46
192	Graphitic carbon nitride/BiOI loaded on electrospun silica nanofibers with enhanced photocatalytic activity. Applied Surface Science, 2018, 455, 952-962.	3.1	46
193	A photolithographic stretchable transparent electrode for an all-solution-processed fully transparent conformal organic transistor array. Journal of Materials Chemistry C, 2019, 7, 5385-5393.	2.7	46
194	Excitonic properties of ZnO nanocrystalline films prepared by oxidation of zinc-implanted silica. Journal Physics D: Applied Physics, 2004, 37, 3025-3029.	1.3	45
195	Zinc phthalocyanine hierarchical nanostructure with hollow interior space: Solventâ€“thermal synthesis and high visible photocatalytic property. Journal of Colloid and Interface Science, 2010, 348, 37-42.	5.0	45
196	Ultraflexible, Degradable Organic Synaptic Transistors Based on Natural Polysaccharides for Neuromorphic Applications. Advanced Functional Materials, 2020, 30, 2006271.	7.8	45
197	Subâ€Femtojouleâ€Energyâ€Consumption Conformable Synaptic Transistors Based on Organic Singleâ€Crystalline Nanoribbons. Advanced Functional Materials, 2021, 31, 2007894.	7.8	45
198	Enhanced ultraviolet emission from highly dispersed ZnO quantum dots embedded in poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	5.0	44

#	Article	IF	Citations
199	Morphologically-tunable TiO2 nanorod film with high energy facets: green synthesis, growth mechanism and photocatalytic activity. Nanoscale, 2012, 4, 5023.	2.8	44
200	Freestanding hierarchically porous carbon framework decorated by polyaniline as binder-free electrodes for high performance supercapacitors. Journal of Power Sources, 2016, 329, 516-524.	4.0	44
201	Moisture-powered memristor with interfacial oxygen migration for power-free reading of multiple memory states. Nano Energy, 2020, 71, 104628.	8.2	44
202	Preferred orientation of ZnO nanoparticles formed by post-thermal annealing zinc implanted silica. Solid State Communications, 2002, 121, 531-536.	0.9	43
203	Nanofibers of LiMn2O4 by electrospinning. Journal of Colloid and Interface Science, 2005, 285, 163-166.	5.0	43
204	Up-Conversion Luminescence of NaYF₄:Yb³⁺/Er³⁺ Nanoparticles Embedded into PVP Nanotubes with Controllable Diameters. Journal of Physical Chemistry C, 2012, 116, 5787-5791.	1.5	43
205	In2S3/carbon nanofibers/Au ternary synergetic system: Hierarchical assembly and enhanced visible-light photocatalytic activity. Journal of Hazardous Materials, 2015, 283, 599-607.	6.5	43
206	Humidity Effect on Resistive Switching Characteristics of the CH₃NH₃PbI₃ Memristor. ACS Applied Materials & Interfaces, 2021, 13, 28555-28563.	4.0	43
207	The structure and photoluminescence of ZnO films prepared by post-thermal annealing zinc-implanted silica. Journal of Crystal Growth, 2002, 240, 152-156.	0.7	42
208	Nanofibers and nanoplatelets of MoO3 via an electrospinning technique. Journal of Physics and Chemistry of Solids, 2006, 67, 1869-1872.	1.9	42
209	Controllable fabrication of cadmium phthalocyanine nanostructures immobilized on electrospun polyacrylonitrile nanofibers with high photocatalytic properties under visible light. Catalysis Communications, 2011, 12, 880-885.	1.6	42
210	Effect of oxygen-related surface adsorption on the efficiency and stability of ZnO nanorod array ultraviolet light-emitting diodes. Applied Physics Letters, 2012, 100, .	1.5	42
211	Hierarchical heterostructures of p-type bismuth oxychloride nanosheets on n-type zinc ferrite electrospun nanofibers with enhanced visible-light photocatalytic activities and magnetic separation properties. Journal of Colloid and Interface Science, 2018, 516, 110-120.	5.0	42
212	Highly electron-depleted ZnO/ZnFe2O4/Au hollow meshes as an advanced material for gas sensing application. Sensors and Actuators B: Chemical, 2019, 297, 126769.	4.0	42
213	The photoluminescence of ZnO thin films grown on Si (100) substrate by plasma-enhanced chemical vapor deposition. Journal of Crystal Growth, 2002, 240, 479-483.	0.7	41
214	Formation of holographic fringes on photochromic Ag/TiO2 nanocomposite films. Applied Physics Letters, 2009, 94, .	1.5	41
215	Localized surface plasmon-enhanced ultraviolet electroluminescence from n-ZnO/i-ZnO/p-GaN heterojunction light-emitting diodes via optimizing the thickness of MgO spacer layer. Applied Physics Letters, 2012, 101, .	1.5	40
216	Enhanced near-UV electroluminescence from p-GaN/i-Al₂O₃/n-ZnO heterojunction LEDs by optimizing the insulator thickness and introducing surface plasmons of Ag nanowires. Journal of Materials Chemistry C, 2017, 5, 3288-3295.	2.7	40

#	Article	IF	Citations
217	A facile fabrication of nitrogen-doped electrospun In 2 O 3 nanofibers with improved visible-light photocatalytic activity. Applied Surface Science, 2017, 391, 668-676.	3.1	40
218	Bismuth oxychloride (BiOCl)/copper phthalocyanine (CuTNPc) heterostructures immobilized on electrospun polyacrylonitrile nanofibers with enhanced activity for floating photocatalysis. Journal of Colloid and Interface Science, 2018, 525, 187-195.	5.0	40
219	Structural and optical properties of nanocrystalline ZnO films grown by cathodic electrodeposition on Si substrates. Physica B: Condensed Matter, 2002, 322, 31-36.	1.3	39
220	Photovoltaic properties of graphene oxide sheets beaded with ZnO nanoparticles. Journal of Solid State Chemistry, 2011, 184, 881-887.	1.4	39
221	Photocatalytic activities of heterostructured TiO2-graphene porous microspheres prepared by ultrasonic spray pyrolysis. Journal of Alloys and Compounds, 2014, 584, 180-184.	2.8	39
222	Controllable fabrication of oriented micro/nanowire arrays of dibenzo-tetrathiafulvalene by a multiple drop-casting method. Nanoscale, 2014, 6, 1323-1328.	2.8	39
223	Interplay between Static and Dynamic Energy Transfer in Biofunctional Upconversion Nanoplatforms. Journal of Physical Chemistry Letters, 2015, 6, 2518-2523.	2.1	39
224	Highly uniform switching of HfO2â^'x based RRAM achieved through Ar plasma treatment for low power and multilevel storage. Applied Surface Science, 2018, 458, 216-221.	3.1	39
225	Preparation of LiCoO2 nanofibers by electrospinning technique. Journal of Physics and Chemistry of Solids, 2006, 67, 1423-1426.	1.9	38
226	Significant improvement of near-UV electroluminescence from ZnO quantum dot LEDs via coupling with carbon nanodot surface plasmons. Nanoscale, 2017, 9, 14592-14601.	2.8	38
227	ZnO/ZnFe₂O₄ Janus Hollow Nanofibers with Magnetic Separability for Photocatalytic Degradation of Water-Soluble Organic Dyes. ACS Applied Nano Materials, 2019, 2, 4879-4890.	2.4	38
228	Nitrogen doping polyvinylpyrrolidone-based carbon nanofibers via pyrolysis of g-C3N4 with tunable chemical states and capacitive energy storage. Electrochimica Acta, 2020, 330, 135212.	2.6	38
229	Structural and optical properties of MgxZn1â^'xO thin films prepared by the solâ€“gel method. Journal of Crystal Growth, 2002, 234, 427-430.	0.7	36
230	Thermally Stable Pyrochlore <scp><scp>Y₂Ti₂O₇</scp></scp>: <scp><scp>Eu³⁺</scp></scp> Orangeâ€“Red Emitting Phosphors. Journal of the American Ceramic Society, 2012, 95, 658-662.	1.9	36
231	Color-Tunable ZnO/GaN Heterojunction LEDs Achieved by Coupling with Ag Nanowire Surface Plasmons. ACS Applied Materials & Interfaces, 2018, 10, 15812-15819.	4.0	36
232	Oxidized carbon quantum dotâ€“graphene oxide nanocomposites for improving data retention of resistive switching memory. Journal of Materials Chemistry C, 2018, 6, 2026-2033.	2.7	36
233	Simple route to self-assembled BiOCl networks photocatalyst from nanosheet with exposed (001) facet. Micro and Nano Letters, 2012, 7, 152.	0.6	35
234	Heterojunctions of p-BiOI Nanosheets/n-TiO2 Nanofibers: Preparation and Enhanced Visible-Light Photocatalytic Activity. Materials, 2016, 9, 90.	1.3	35

#	Article	IF	Citations
235	Analytical Modeling of Organicâ€“Inorganic CH₃NH₃PbI₃ Perovskite Resistive Switching and its Application for Neuromorphic Recognition. Advanced Theory and Simulations, 2018, 1, 1700035.	1.3	35
236	Direct Effect of Dielectric Surface Energy on Carrier Transport in Organic Field-Effect Transistors. ACS Applied Materials & Interfaces, 2018, 10, 15943-15951.	4.0	35
237	Immobilization of ZnO/polyaniline heterojunction on electrospun polyacrylonitrile nanofibers and enhanced photocatalytic activity. Materials Chemistry and Physics, 2018, 214, 507-515.	2.0	35
238	MoSe₂/TiO₂ Nanofibers for Cycling Photocatalytic Removing Water Pollutants under UVâ€“Visâ€“NIR Light. ACS Applied Nano Materials, 2020, 3, 2278-2287.	2.4	35
239	Synchronous-ultrahigh conductive-reactive N-atoms doping strategy of carbon nanofibers networks for highâ€performance flexible energy storage. Energy Storage Materials, 2022, 44, 250-262.	9.5	35
240	Photoluminescence study of ZnO nanotubes under hydrostatic pressure. Applied Physics Letters, 2006, 88, 133127.	1.5	34
241	Excitonic electroluminescence from ZnO-based heterojunction light emitting diodes. Journal Physics D: Applied Physics, 2008, 41, 155103.	1.3	34
242	Protecting hydrogenation-generated oxygen vacancies in BiVO4 photoanode for enhanced water oxidation with conformal ultrathin amorphous TiO2 layer. Applied Surface Science, 2017, 403, 389-395.	3.1	34
243	Bi2WO6/ZnFe2O4 heterostructures nanofibers: Enhanced visible-light photocatalytic activity and magnetically separable property. Materials Research Bulletin, 2018, 104, 124-133.	2.7	34
244	Fabrication of g-C3N4/SiO2-Au composite nanofibers with enhanced visible photocatalytic activity. Ceramics International, 2017, 43, 15699-15707.	2.3	34
245	Structural properties and photoluminescence of ZnO nanowalls prepared by two-step growth with oxygen-plasma-assisted molecular beam epitaxy. Journal of Physics Condensed Matter, 2005, 17, 3035-3042.	0.7	33
246	Pulsed laser deposition of high Mg-content MgZnO films: Effects of substrate temperature and oxygen pressure. Journal of Applied Physics, 2009, 106, .	1.1	33
247	Crosslinked pectin nanofibers with well-dispersed Ag nanoparticles: Preparation and characterization. Carbohydrate Polymers, 2018, 199, 68-74.	5.1	33
248	Flexible, high-sensitive, and wearable strain sensor based on organic crystal for human motion detection. Organic Electronics, 2018, 61, 304-311.	1.4	32
249	Flexible, Conformable Organic Semiconductor Proximity Sensor Array for Electronic Skin. Advanced Materials Interfaces, 2020, 7, 2000306.	1.9	32
250	High intense UV-luminescence of nanocrystalline ZnO thin films prepared by thermal oxidation of ZnS thin films. Journal of Crystal Growth, 2002, 240, 463-466.	0.7	31
251	Effects of compliance currents on the formation and rupture of conducting filaments in unipolar resistive switching of CoO film. Journal Physics D: Applied Physics, 2010, 43, 385105.	1.3	31
252	Heteroepitaxial Growth and Spatially Resolved Cathodoluminescence of ZnO/MgZnO Coaxial Nanorod Arrays. Journal of Physical Chemistry C, 2010, 114, 16148-16152.	1.5	31

#	Article	IF	Citations
253	Analogâ€“Digital Hybrid Memristive Devices for Image Pattern Recognition with Tunable Learning Accuracy and Speed. Small Methods, 2019, 3, 1900160.	4.6	31
254	A crosslinking strategy to make neutral polysaccharide nanofibers robust and biocompatible: With konjac glucomannan as an example. Carbohydrate Polymers, 2019, 215, 130-136.	5.1	31
255	Growth of ultrathin SiO2 on Si by surface irradiation with an O2+Ar electron cyclotron resonance microwave plasma at low temperatures. Journal of Applied Physics, 1999, 85, 1911-1915.	1.1	30
256	Electrospun nanofibers of poly(ethylene oxide)/teraamino-phthalocyanine copper(II) hybrids and its photoluminescence properties. Journal of Physics and Chemistry of Solids, 2007, 68, 2337-2340.	1.9	30
257	Fabrication of Cr2O3/Al2O3 composite nanofibers by electrospinning. Journal of Materials Science, 2007, 42, 8470-8472.	1.7	30
258	Magnetic-field-assisted rapid ultrasensitive immunoassays using Fe3O4/ZnO/Au nanorices as Raman probes. Biosensors and Bioelectronics, 2010, 26, 918-922.	5.3	30
259	Solvothermal synthesis and electrochemical properties of 3D flower-like iron phthalocyanine hierarchical nanostructure. Nanoscale, 2011, 3, 5126.	2.8	30
260	Natural Acidic Polysaccharideâ€Based Memristors for Transient Electronics: Highly Controllable Quantized Conductance for Integrated Memory and Nonvolatile Logic Applications. Advanced Materials, 2021, 33, e2104023.	11.1	30
261	Effect of the growth temperature on ZnO thin films grown by plasma enhanced chemical vapor deposition. Thin Solid Films, 2002, 414, 170-174.	0.8	29
262	Structure and photoluminescence properties of ZnO microrods. Journal of Applied Physics, 2003, 94, 5605-5608.	1.1	29
263	Effects of thermal annealing on the structural and optical properties of MgxZn1â^'xO nanocrystals. Journal of Colloid and Interface Science, 2005, 283, 513-517.	5.0	29
264	The structure and photoluminescence properties of ZnO nanobelts prepared by a thermal evaporation process. Journal of Luminescence, 2009, 129, 340-343.	1.5	29
265	Correlation between band alignment and enhanced photocatalysis: a case study with anatase/TiO₂(B) nanotube heterojunction. Dalton Transactions, 2015, 44, 13331-13339.	1.6	29
266	Flexible transparent heaters based on silver nanotrough meshes. Journal of Alloys and Compounds, 2016, 664, 764-769.	2.8	29
267	Fabrication of efficient PbS colloidal quantum dot solar cell with low temperature sputter-deposited ZnO electron transport layer. Solar Energy Materials and Solar Cells, 2017, 169, 264-269.	3.0	29
268	Photoluminescence of F-passivated ZnO nanocrystalline films made from thermally oxidized ZnF2films. Journal of Physics Condensed Matter, 2004, 16, 5143-5150.	0.7	28
269	Formation and luminescence ofZnOnanoparticles embedded inMgOfilms. Physical Review B, 2005, 71, .	1.1	28
270	Three-dimensional hierarchical CeO2 nanowalls/TiO2 nanofibers heterostructure and its high photocatalytic performance. Journal of Sol-Gel Science and Technology, 2010, 55, 105-110.	1.1	28

#	Article	IF	Citations
271	The infrared fingerprint signals of silica nanoparticles and its application in immunoassay. Applied Physics Letters, 2012, 100, 013701.	1.5	28
272	Detection of label-free H2O2 based on sensitive Au nanorods as sensor. Colloids and Surfaces B: Biointerfaces, 2013, 102, 327-330.	2.5	28
273	Oxygen-concentration effect on p-type CuAlOx resistive switching behaviors and the nature of conducting filaments. Applied Physics Letters, 2014, 104, .	1.5	28
274	Forming-free electrochemical metallization resistive memory devices based on nanoporous TiO x N y thin film. Journal of Alloys and Compounds, 2016, 656, 612-617.	2.8	28
275	Molybdenum diselenide nanosheet/carbon nanofiber heterojunctions: Controllable fabrication and enhanced photocatalytic properties with a broad-spectrum response from visible to infrared light. Journal of Colloid and Interface Science, 2018, 518, 1-10.	5.0	28
276	Ultra-facile and rapid colorimetric detection of Cu²⁺ with branched polyethylenimine in 100% aqueous solution. Analyst, The, 2018, 143, 409-414.	1.7	28
277	Pressure-dependent photoluminescence of ZnO nanosheets. Journal of Applied Physics, 2005, 98, 106106.	1.1	27
278	Size-dependent photochromism-based holographic storage of Ag/TiO2 nanocomposite film. Applied Physics Letters, 2011, 98, .	1.5	27
279	Controlled synthesis of Ag-coated TiO2 nanofibers and their enhanced effect in photocatalytic applications. Applied Surface Science, 2013, 280, 720-725.	3.1	27
280	Bright and High-Color-Rendering White Light-Emitting Diode Using Color-Tunable Oxychloride and Oxyfluoride Phosphors. Journal of Physical Chemistry C, 2016, 120, 18713-18720.	1.5	27
281	Ionic Liquidâ€Assisted Improvements in the Thermal Stability of CH₃NH₃PbI₃ Perovskite Photovoltaics. Physica Status Solidi - Rapid Research Letters, 2018, 12, 1800130.	1.2	27
282	Three-dimensional porous CuFe2O4 for visible-light-driven peroxymonosulfate activation with superior performance for the degradation of tetracycline hydrochloride. Chemical Engineering Journal, 2022, 445, 136616.	6.6	27
283	The ultralow driven current ultraviolet-blue light-emitting diode based on n-ZnO nanowires/i-polymer/p-GaN heterojunction. Applied Physics Letters, 2010, 97, .	1.5	26
284	Controllable synthesis of Zn2TiO4@carbon core/shell nanofibers with high photocatalytic performance. Journal of Hazardous Materials, 2012, 229-230, 265-272.	6.5	26
285	Waferâ€Scale Coplanar Electrodes for 3D Conformal Organic Singleâ€Crystal Circuits. Advanced Electronic Materials, 2015, 1, 1500239.	2.6	26
286	Sp² clustering-induced improvement of resistive switching uniformity in Cu/amorphous carbon/Pt electrochemical metallization memory. Journal of Materials Chemistry C, 2017, 5, 5420-5425.	2.7	26
287	Global Control of CH₃NH₃PbI₃ Formation with Multifunctional Ionic Liquid for Perovskite Hybrid Photovoltaics. Journal of Physical Chemistry C, 2018, 122, 10699-10705.	1.5	26
288	Improved Uniformity and Endurance Through Suppression of Filament Overgrowth in Electrochemical Metallization Memory With AgInSbTe Buffer Layer. IEEE Journal of the Electron Devices Society, 2018, 6, 714-720.	1.2	26

#	Article	IF	Citations
289	Insertion of Nanoscale AgInSbTe Layer between the Ag Electrode and the CH₃NH₃PbI₃ Electrolyte Layer Enabling Enhanced Multilevel Memory. ACS Applied Nano Materials, 2019, 2, 307-314.	2.4	26
290	Synchronously improved stretchability and mobility by tuning the molecular weight for intrinsically stretchable transistors. Journal of Materials Chemistry C, 2020, 8, 15646-15654.	2.7	26
291	Highly permeable WO3/CuWO4 heterostructure with 3D hierarchical porous structure for high-sensitive room-temperature visible-light driven gas sensor. Sensors and Actuators B: Chemical, 2022, 365, 131926.	4.0	26
292	Multifunctional Fe₃O₄/ZnO Nanocomposites with Magnetic and Optical Properties. Journal of Nanoscience and Nanotechnology, 2010, 10, 1992-1997.	0.9	25
293	Size-controlled growth of ZnO nanowires by catalyst-free high-pressure pulsed laser deposition and their optical properties. AIP Advances, 2011, 1, .	0.6	25
294	Waveband-dependent photochemical processing of graphene oxide in fabricating reduced graphene oxide film and graphene oxideâ€“Ag nanoparticles film. RSC Advances, 2013, 4, 2404-2408.	1.7	25
295	Fabrication of silver nanowires and metal oxide composite transparent electrodes and their application in UV light-emitting diodes. Journal Physics D: Applied Physics, 2016, 49, 325103.	1.3	25
296	Improved resistive switching reliability by using dual-layer nanoporous carbon structure. Applied Physics Letters, 2017, 111, .	1.5	25
297	Complementary Resistive Switching Observed in Graphene Oxide-Based Memory Device. IEEE Electron Device Letters, 2018, 39, 488-491.	2.2	25
298	Ultrathin Air-Stable n-Type Organic Phototransistor Array for Conformal Optoelectronics. Scientific Reports, 2018, 8, 16612.	1.6	25
299	Hierarchically Porous In2O3/In2S3 Heterostructures as Micronano Photocatalytic Reactors Prepared by a Novel Polymer-Assisted Solâ€“Gel Freeze-Drying Method. Industrial & Engineering Chemistry Research, 2019, 58, 14106-14114.	1.8	25
300	The optical properties of ZnO hexagonal prisms grown from poly (vinylpyrrolidone)-assisted electrochemical assembly onto Si (111) substrate. Journal of Chemical Physics, 2005, 122, 174703.	1.2	24
301	Heterostructures of ZnO Microrods Coated with Iron Oxide Nanoparticles. Journal of Physical Chemistry C, 2008, 112, 15980-15984.	1.5	24
302	Electrospun nanofibers of poly(acrylonitrile)/Eu3+ and their photoluminescence properties. Journal of Physics and Chemistry of Solids, 2010, 71, 273-278.	1.9	24
303	High ON/OFF ratio single crystal transistors based on ultrathin thienoacene microplates. Journal of Materials Chemistry C, 2014, 2, 5382-5388.	2.7	24
304	Flexible Organic Single-Crystal Field-Effect Transistor for Ultra-Sensitivity Strain Sensing. IEEE Electron Device Letters, 2017, 38, 1598-1601.	2.2	24
305	Fully transparent conformal organic thin-film transistor array and its application as LED front driving. Nanoscale, 2018, 10, 3613-3620.	2.8	24
306	Element substitution of kesterite Cu2ZnSnS4 for efficient counter electrode of dye-sensitized solar cells. Scientific Reports, 2018, 8, 8714.	1.6	24

#	Article	IF	Citations
307	ZnO hexagonal prisms grown onto p-Si (111) substrate from poly (vinylpyrrolidone) assisted electrochemical assembly. Journal of Crystal Growth, 2006, 290, 405-409.	0.7	23
308	A new approach to white light emitting diodes of p-GaN/i-ZnO/n-ZnO heterojunctions. Applied Physics B: Lasers and Optics, 2008, 92, 185-188.	1.1	23
309	Photoluminescence properties of highly dispersed ZnO quantum dots in polyvinylpyrrolidone nanotubes prepared by a single capillary electrospinning. Journal of Chemical Physics, 2008, 129, 114708.	1.2	23
310	Influence of Flux on Morphology and Luminescence Properties of Phosphors: A Case Study on <scp><scp>Y</scp></scp>_{1.55}<scp><scp>Ti</scp></scp>₂<scp><scp>O</scp></scp>₇:0.45<s Journal of the American Ceramic Society, 2012, 95, 1447-1453.	1.9	23
311	Bilayer TiO₂photoanode consisting of a nanowireâ€“nanoparticle bottom layer and a spherical voids scattering layer for dye-sensitized solar cells. New Journal of Chemistry, 2015, 39, 4845-4851.	1.4	23
312	Adsorption Energy Optimization of Co₃O₄ through Rapid Surface Sulfurization for Efficient Counter Electrode in Dye-Sensitized Solar Cells. Journal of Physical Chemistry C, 2017, 121, 12524-12530.	1.5	23
313	Controlled Gas Molecules Doping of Monolayer MoS₂ via Atomic-Layer-Deposited Al₂O₃ Films. ACS Applied Materials & Interfaces, 2017, 9, 27402-27408.	4.0	23
314	Laser-induced formation of Au/Pt nanorods with peroxidase mimicking and SERS enhancement properties for application to the colorimetric determination of H2O2. Mikrochimica Acta, 2018, 185, 445.	2.5	23
315	Gelatin-crosslinked pectin nanofiber mats allowing cell infiltration. Materials Science and Engineering C, 2020, 112, 110941.	3.8	23
316	Photo-induced birefringence and polarization holography in polymer films containing spirooxazine compounds pre-irradiated by UV light. Optics Communications, 2004, 242, 115-122.	1.0	22
317	The effect of surface properties on visible luminescence of nanosized colloidal ZnO membranes. Journal of Colloid and Interface Science, 2005, 282, 403-407.	5.0	22
318	The structure and character of CdSe nanocrystals capped ZnO layer for phase transfer from hexane to ethanol solution. Surface Science, 2005, 582, 61-68.	0.8	22
319	Blu-ray-sensitive localized surface plasmon resonance for high-density optical memory. Scientific Reports, 2016, 6, 36701.	1.6	22
320	The effect of nitrogen on the microstructure and the luminescence properties of a-C:H thin films. Solid State Communications, 1996, 100, 597-602.	0.9	21
321	A multiphase strategy for realizing green cathodoluminescence in 12CaOÂ·7Al2O3â€“CaCeAl3O7:Ce3+,Tb3+ conductive phosphor. Dalton Transactions, 2013, 42, 16311.	1.6	21
322	Solvent-Induced Luminescence Variation of Upconversion Nanoparticles. Langmuir, 2016, 32, 13200-13206.	1.6	21
323	Reliability Improvement of Amorphous Carbon Based Resistive Switching Memory by Inserting Nanoporous Layer. IEEE Electron Device Letters, 2016, 37, 1430-1433.	2.2	21
324	Coexistence of bipolar and unipolar resistive switching behaviors in the double-layer Ag/ZnS-Ag/CuAlO 2 /Pt memory device. Applied Surface Science, 2016, 360, 338-341.	3.1	21

#	Article	IF	Citations
325	Enhanced Electroluminescence from ZnO Quantum Dot Lightâ€Emitting Diodes via Introducing Al₂O₃ Retarding Layer and Ag@ZnO Hybrid Nanodots. Advanced Optical Materials, 2017, 5, 1700493.	3.6	21
326	Photolithography-compatible conformal electrodes for high-performance bottom-contact organic single-crystal transistors. Journal of Materials Chemistry C, 2017, 5, 12699-12706.	2.7	21
327	An â€œoff-onâ€•colorimetric and fluorometric assay for Cu(II) based on the use of NaYF4:Yb(III),Er(III) upconversion nanoparticles functionalized with branched polyethylenimine. Mikrochimica Acta, 2018, 185, 211.	2.5	21
328	Flexible Allâ€Inorganic Roomâ€Temperature Chemiresistors Based on Fibrous Ceramic Substrate and Visibleâ€Lightâ€Powered Semiconductor Sensing Layer. Advanced Science, 2021, 8, e2102471.	5.6	21
329	Growth of high quality ZnO thin films at low temperature on Si(100) substrates by plasma enhanced chemical vapor deposition. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2002, 20, 265-269.	0.9	20
330	Electrical transport properties in nitrogen-doped p-type ZnO thin film. Semiconductor Science and Technology, 2006, 21, 1522-1526.	1.0	20
331	Photoluminescence of wurtzite ZnO under hydrostatic pressure. Journal of Applied Physics, 2006, 99, 066102.	1.1	20
332	A simple route to controllable growth of ZnOnanorod arrays on conducting substrates. CrystEngComm, 2010, 12, 940-946.	1.3	20
333	Controlled synthesis of PAN/Ag2S composites nanofibers via electrospinning-assisted hydro(solvo)thermal method. Journal of Non-Crystalline Solids, 2011, 357, 1488-1493.	1.5	20
334	Bismuth oxychloride/carbon nanofiber heterostructures for the degradation of 4-nitrophenol. CrystEngComm, 2015, 17, 7276-7282.	1.3	20
335	The detection of copper ions based on photothermal effect of cysteine modified Au nanorods. Sensors and Actuators B: Chemical, 2017, 248, 761-768.	4.0	20
336	Controllable gas selectivity at room temperature based on Ph5T2-modified CuPc nanowire field-effect transistors. Organic Electronics, 2017, 48, 68-76.	1.4	20
337	The Auger process in multilayer WSe₂ crystals. Nanoscale, 2018, 10, 17585-17592.	2.8	20
338	Growth and optical properties of ZnO nanorods by introducing ZnO sols prior to hydrothermal process. Materials Letters, 2007, 61, 3578-3581.	1.3	19
339	Photoinduced anisotropy and polarization holographic gratings formed in Ag/TiO₂ nanocomposite films. Applied Optics, 2012, 51, 3357.	0.9	19
340	The effect of PVP on the formation and optical properties ZnO/Ag nanocomposites. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 405, 1-5.	2.3	19
341	Highly photosensitive thienoacene single crystal microplate transistors via optimized dielectric. Organic Electronics, 2015, 16, 171-176.	1.4	19
342	Increased openâ€circuit voltage of ZnO nanowire/PbS quantum dot bulk heterojunction solar cells with solutionâ€deposited Mg(OH)₂ interlayer. Physica Status Solidi - Rapid Research Letters, 2016, 10, 745-748.	1.2	19

#	Article	IF	Citations
343	Enhancement of Exciton Emission from Multilayer MoS₂ at High Temperatures: Intervalley Transfer versus Interlayer Decoupling. Small, 2017, 13, 1700157.	5.2	19
344	SERS-active liposome@Ag/Au nanocomposite for NIR light-driven drug release. Colloids and Surfaces B: Biointerfaces, 2017, 154, 150-159.	2.5	19
345	Immobilization of ultrafine Ag nanoparticles on well-designed hierarchically porous silica for high-performance catalysis. Journal of Colloid and Interface Science, 2018, 530, 345-352.	5.0	19
346	Blurred Electrode for Low Contact Resistance in Coplanar Organic Transistors. ACS Nano, 2021, 15, 1155-1166.	7.3	19
347	Effects of thermal treatment on the properties of ZnO films deposited on MgO-buffered Si substrates. Journal of Crystal Growth, 2003, 254, 86-91.	0.7	18
348	Synthesis of heteroarchitectures of PbS nanostructures well-erected on electrospun TiO2 nanofibers. Journal of Colloid and Interface Science, 2010, 346, 324-329.	5.0	18
349	Coexistence of unipolar and bipolar modes in Ag/ZnO/Pt resistive switching memory with oxygen-vacancy and metal-Ag filaments. Chinese Physics B, 2016, 25, 127303.	0.7	18
350	Magnetic-bead-based sub-femtomolar immunoassay using resonant Raman scattering signals of ZnS nanoparticles. Analytical and Bioanalytical Chemistry, 2016, 408, 5013-5019.	1.9	18
351	The W@WO₃ ohmic contact induces a high-efficiency photooxidation performance. Dalton Transactions, 2017, 46, 1487-1494.	1.6	18
352	High-Response Identifiable Gas Sensor Based on a Gas-Dielectric ZnPc Nanobelt FET. IEEE Electron Device Letters, 2017, 38, 1586-1589.	2.2	18
353	Electrospun CuAl₂O₄ hollow nanofibers as visible light photocatalyst with enhanced activity and excellent stability under acid and alkali conditions. CrystEngComm, 2018, 20, 312-322.	1.3	18
354	Photo-tunable organic resistive random access memory based on PVP/N-doped carbon dot nanocomposites for encrypted image storage. Journal of Materials Chemistry C, 2020, 8, 14789-14795.	2.7	18
355	Red-emitting LiEuMo2â^'xSixO8 phosphors for white light-emitting diodes. Journal of Luminescence, 2011, 131, 653-656.	1.5	17
356	Polarization-Controlled Bicolor Recording Enhances Holographic Memory in Ag/TiO₂ Nanocomposite Films. Journal of Physical Chemistry C, 2015, 119, 18559-18566.	1.5	17
357	Improved resistive switching characteristics by introducing Ag-nanoclusters in amorphous-carbon memory. Materials Letters, 2015, 154, 98-102.	1.3	17
358	Effect of the Deformation State on the Response of a Flexible H₂S Sensor Based on a Ph5T2 Single-Crystal Transistor. IEEE Electron Device Letters, 2018, 39, 119-122.	2.2	17
359	Dielectric Selection for Solutionâ€Processed Highâ€Mobility TIPSâ€Pentacene Microwire Fieldâ€Effect Transistors. Advanced Materials Interfaces, 2019, 6, 1801984.	1.9	17
360	Crosslinked starch nanofibers with high mechanical strength and excellent water resistance for biomedical applications. Biomedical Materials (Bristol), 2020, 15, 025007.	1.7	17

#	Article	IF	Citations
361	Facile Fabrication of Ultraflexible Transparent Electrodes Using Embedded Copper Networks for Wearable Pressure Sensors. Advanced Materials Technologies, 2020, 5, 1900823.	3.0	17
362	Solution-processed PDMS/SWCNT porous electrodes with high mass loading: toward high performance all-stretchable-component lithium ion batteries. Sustainable Energy and Fuels, 2020, 4, 2718-2726.	2.5	17
363	Flexible and transparent memristive synapse based on polyvinylpyrrolidone/N-doped carbon quantum dot nanocomposites for neuromorphic computing. Nanoscale Advances, 2021, 3, 2623-2631.	2.2	17
364	Photochromism and holographic recording in polymer film containing chiral azo molecules derived from amino acid. Optical Materials, 2003, 22, 187-192.	1.7	16
365	A novel method for measuring distribution of orientation of one-dimensional ZnO using resonance Raman spectroscopy. Journal of Raman Spectroscopy, 2005, 36, 1101-1105.	1.2	16
366	Structure and Photoluminescence of Nano-ZnO Films Grown on a Si (100) Substrate by Oxygen- and Argon-Plasma-Assisted Thermal Evaporation of Metallic Zn. Chinese Physics Letters, 2005, 22, 998-1001.	1.3	16
367	Polarization-dependent and rewritable holographic gratings in Ag/TiO2 nanocomposite films. Optics Communications, 2014, 318, 1-6.	1.0	16
368	TiO2 nanoparticle-based electron transport layer with improved wettability for efficient planar-heterojunction perovskite solar cell. Journal of Energy Chemistry, 2015, 24, 717-721.	7.1	16
369	Electronic and optoelectronic properties of zinc phthalocyanine single-crystal nanobelt transistors. Organic Electronics, 2016, 30, 158-164.	1.4	16
370	Improved switching reliability achieved in HfOx based RRAM with mountain-like surface-graphited carbon layer. Applied Surface Science, 2018, 440, 107-112.	3.1	16
371	Enhanced Full-Spectrum-Response Photocatalysis and Reusability of MoSe₂ via Hierarchical N-Doped Carbon Nanofibers as Heterostructural Supports. ACS Sustainable Chemistry and Engineering, 2018, 6, 14314-14322.	3.2	16
372	Revisiting cocatalyst/TiO2 photocatalyst in blue light photothermalcatalysis. Catalysis Today, 2019, 335, 286-293.	2.2	16
373	Dual Buffer Layers for Developing Electrochemical Metallization Memory With Low Current and High Endurance. IEEE Electron Device Letters, 2021, 42, 308-311.	2.2	16
374	Room temperature excitonic spontaneous and stimulated emission properties in ZnO/MgZnO multiple quantum wells grown on sapphire substrate. Journal Physics D: Applied Physics, 2007, 40, 6541-6544.	1.3	15
375	Local microstructure and photoluminescence of Er-doped 12CaOÂ·7Al2O3 powder. Journal of Rare Earths, 2008, 26, 433-438.	2.5	15
376	Electrospinning preparation and photoluminescence properties of poly (methyl methacrylate)/Eu3+ ions composite nanofibers and nanoribbons. Materials Research Bulletin, 2012, 47, 321-327.	2.7	15
377	Conductive SnO2:Sb nanobelts as electrodes for detection of NO2 in ppb level with ultrahigh sensitivity. Applied Physics Letters, 2014, 104, .	1.5	15
378	Improvement of resistive switching memory achieved by using arc-shaped bottom electrode. Applied Physics Express, 2015, 8, 014101.	1.1	15

#	Article	IF	Citations
379	Abnormal high-temperature luminescence enhancement observed in monolayer MoS₂ flakes: thermo-driven transition from negatively charged trions to neutral excitons. Journal of Materials Chemistry C, 2016, 4, 9187-9196.	2.7	15
380	Deposition of Pentacene Thin Film on Polydimethylsiloxane Elastic Dielectric Layer for Flexible Thin-Film Transistors. IEEE Electron Device Letters, 2017, 38, 1031-1034.	2.2	15
381	Solutionâ€Grown Serpentine Silver Nanofiber Meshes for Stretchable Transparent Conductors. Advanced Electronic Materials, 2018, 4, 1800346.	2.6	15
382	Cobweb-like, Ultrathin Porous Polymer Films for Ultrasensitive NO₂ Detection. ACS Applied Materials & Interfaces, 2020, 12, 52992-53002.	4.0	15
383	Directly Spin Coating a Lowâ€Viscosity Organic Semiconductor Solution onto Hydrophobic Surfaces: Toward Highâ€Performance Solutionâ€Processable Organic Transistors. Advanced Materials Interfaces, 2020, 7, 1901950.	1.9	15
384	An antimicrobial peptide-immobilized nanofiber mat with superior performances than the commercial silver-containing dressing. Materials Science and Engineering C, 2021, 119, 111608.	3.8	15
385	Hyaluronic acid nanofibers crosslinked with a nontoxic reagent. Carbohydrate Polymers, 2021, 259, 117757.	5.1	15
386	Photoluminescence and Optically Pumped Ultraviolet Lasing from Nanocrystalline ZnO Thin Films Prepared by Thermal Oxidation of High-Quality ZnS Thin Films. Chinese Physics Letters, 2002, 19, 127-130.	1.3	14
387	Electrospun nanofibers of NiO/SiO2 composite. Journal of Physics and Chemistry of Solids, 2009, 70, 1374-1377.	1.9	14
388	TiO2 (B) nanosheets mediate phase selective synthesis of TiO2 nanostructured photocatalyst. Applied Surface Science, 2014, 292, 937-943.	3.1	14
389	One-dimensional heterostructures of beta-nickel hydroxide nanoplates/electrospun carbon nanofibers: Controlled fabrication and high capacitive property. International Journal of Hydrogen Energy, 2014, 39, 16162-16170.	3.8	14
390	Rationally designed particle preloading method to improve protein delivery performance of electrospun polyester nanofibers. International Journal of Pharmaceutics, 2016, 512, 204-212.	2.6	14
391	Highly sensitive H2S sensors based on ultrathin organic single-crystal microplate transistors. Organic Electronics, 2016, 32, 94-99.	1.4	14
392	Conformal transistor arrays based on solution-processed organic crystals. Scientific Reports, 2017, 7, 15367.	1.6	14
393	320-nm Flexible Solution-Processed 2,7-dioctyl[1] benzothieno[3,2-b]benzothiophene Transistors. Materials, 2017, 10, 918.	1.3	14
394	Structural Optimization of Oxide/Metal/Oxide Transparent Conductors for Highâ€Performance Lowâ€Emissivity Heaters. Advanced Materials Interfaces, 2018, 5, 1801287.	1.9	14
395	SiO₂ aerogel monolith allows ultralow amounts of TiO₂ for the fast and efficient removal of gaseous pollutants. Dalton Transactions, 2018, 47, 13608-13615.	1.6	14
396	Multifunctional NaYF4:Yb,Er@PE3@Fe3O4 nanocomposites for magnetic-field-assisted upconversion imaging guided photothermal therapy of cancer cells. Dalton Transactions, 2019, 48, 12850-12857.	1.6	14

#	Article	IF	Citations
397	Engineering fluorescence intensity and electron concentration of monolayer MoS₂ by forming heterostructures with semiconductor dots. Nanoscale, 2019, 11, 6544-6551.	2.8	14
398	Ternary NiTiO₃@g-C₃N₄â€“Au nanofibers with a synergistic Z-scheme core@shell interface and dispersive Schottky contact surface for enhanced solar photocatalytic activity. Materials Chemistry Frontiers, 2021, 5, 2730-2741.	3.2	14
399	Growth mechanism of ZnO nanocrystals with Zn-rich from dots to rods. Journal of Colloid and Interface Science, 2006, 298, 172-176.	5.0	13
400	Ultrasensitive protein detection in terms of multiphonon resonance Raman scattering in ZnS nanocrystals. Applied Physics Letters, 2011, 98, .	1.5	13
401	Enhanced Ultraviolet Random Lasing from Au/MgO/ZnO Heterostructure by Introducing p-Cu₂O Hole-Injection Layer. ACS Applied Materials & Interfaces, 2016, 8, 31485-31490.	4.0	13
402	Brush-controlled oriented growth of TCNQ microwire arrays for field-effect transistors. Journal of Materials Chemistry C, 2016, 4, 433-439.	2.7	13
403	Upconversion luminescence enhancement in NaYF4: Yb3+, Er3+ nanoparticles induced by Cd2+ tridoping. Materials Research Bulletin, 2017, 90, 151-155.	2.7	13
404	Bending-durable colloidal quantum dot solar cell using a ZnO nanowire array as a three-dimensional electron transport layer. Applied Physics Letters, 2017, 110, .	1.5	13
405	Transparent Nb-doped TiO₂ films with the [001] preferred orientation for efficient photocatalytic oxidation performance. Dalton Transactions, 2017, 46, 15363-15372.	1.6	13
406	Intensity-modulated LED achieved through integrating p-GaN/n-ZnO heterojunction with multilevel RRAM. Applied Physics Letters, 2018, 113, .	1.5	13
407	High-temperature driven inter-valley carrier transfer and significant fluorescence enhancement in multilayer WS₂. Nanoscale Horizons, 2018, 3, 598-605.	4.1	13
408	Nature of vacuum-deposited electrode induced thermal irradiation damage on organic transistors. Applied Surface Science, 2019, 480, 523-528.	3.1	13
409	Bidirectional Photochromism via Anchoring of Carbon Dots to TiO₂ Porous Films. ACS Applied Materials & Interfaces, 2020, 12, 6262-6267.	4.0	13
410	Zeoliteâ€Based Memristive Synapse with Ultralow Subâ€10â€fJ Energy Consumption for Neuromorphic Computation. Small, 2021, 17, e2006662.	5.2	13
411	Anchoring bismuth oxybromo-iodide solid solutions on flexible electrospun polyacrylonitrile nanofiber mats for floating photocatalysis. Journal of Colloid and Interface Science, 2022, 608, 3178-3191.	5.0	13
412	Multiple-hologram storage for thin layers of Methyl Orange dyes in polyvinyl alcohol matrices. Optics Letters, 1995, 20, 1495.	1.7	12
413	Title is missing!. Journal of Sol-Gel Science and Technology, 2002, 23, 231-234.	1.1	12
414	Controllable synthesis and enhanced visible photocatalytic degradation performances of Bi2WO6â€“carbon nanofibers heteroarchitectures. Journal of Sol-Gel Science and Technology, 2014, 70, 149-158.	1.1	12

#	Article	IF	Citations
415	Room temperature immobilized BiOI nanosheets on flexible electrospun polyacrylonitrile nanofibers with high visible-light photocatalytic activity. Journal of Sol-Gel Science and Technology, 2016, 80, 783-792.	1.1	12
416	Interspace modification of titania-nanorod arrays for efficient mesoscopic perovskite solar cells. Applied Surface Science, 2017, 402, 86-91.	3.1	12
417	Graphite Microislands Prepared for Reliability Improvement of Amorphous Carbon Based Resistive Switching Memory. Physica Status Solidi - Rapid Research Letters, 2018, 12, 1800285.	1.2	12
418	Enhancing the Intrinsic Stretchability of Micropatterned Gold Film by Covalent Linkage of Carbon Nanotubes for Wearable Electronics. ACS Applied Electronic Materials, 2019, 1, 1295-1303.	2.0	12
419	Unveiling Bandgap Evolution and Carrier Redistribution in Multilayer WSe 2 : Enhanced Photon Emission via Heat Engineering. Advanced Optical Materials, 2020, 8, 1901226.	3.6	12
420	Facile preparation of flexible polyacrylonitrile/BiOCl/BiOI nanofibers via SILAR method for effective floating photocatalysis. Journal of Sol-Gel Science and Technology, 2021, 97, 610-621.	1.1	12
421	Real-time holographic gratings recorded by Heâ€“Ne laser in polymer films containing spirooxazine compounds pre-irradiated by UV light. Optical Materials, 2005, 27, 1567-1570.	1.7	11
422	Growth and optical properties of ZnO nanostructures by vapor transport process. Materials Chemistry and Physics, 2007, 103, 190-194.	2.0	11
423	Erasure mechanisms of polarization holographic gratings in spirooxazineâ€doped polymer films. Journal of Applied Polymer Science, 2009, 111, 2157-2162.	1.3	11
424	Anisotropic strained cubic MgZnO/MgO multiple-quantum-well nanorods: Growths and optical properties. Applied Physics Letters, 2013, 102, 031905.	1.5	11
425	Targeted labeling of an early-stage tumor spheroid in a chorioallantoic membrane model with upconversion nanoparticles. Nanoscale, 2015, 7, 1596-1600.	2.8	11
426	p-NiO/n+-Si single heterostructure for one diode-one resistor memory applications. Journal of Alloys and Compounds, 2017, 721, 520-524.	2.8	11
427	Solution-Processed Single-Crystal Array for High-Performance Conformable Transistors. IEEE Electron Device Letters, 2018, 39, 595-598.	2.2	11
428	Magnetic Upconversion Luminescent Nanocomposites with Small Size and Strong Super-Paramagnetism: Polyelectrolyte-Mediated Multimagnetic-Beads Embedding. ACS Applied Nano Materials, 2018, 1, 145-151.	2.4	11
429	The Nature of Lithiumâ€ion Transport in Low Power Consumption LiFePO₄ Resistive Memory with Graphite as Electrode. Physica Status Solidi - Rapid Research Letters, 2018, 12, 1800320.	1.2	11
430	Interface engineering of solution-grown silver nanofiber networks designed as flexible transparent electrodes. Journal of Materials Chemistry C, 2019, 7, 3924-3933.	2.7	11
431	Highly Photoluminescent Monolayer MoS₂ and WS₂ Achieved via Superacid Assisted Vacancy Reparation and Doping Strategy. Laser and Photonics Reviews, 2021, 15, 2100104.	4.4	11
432	The dependence of emission spectra of rare earth ion on the band-gap energy of MgxZn1â^'xO alloy. Journal of Crystal Growth, 2003, 249, 163-166.	0.7	10

#	Article	IF	Citations
433	Raman and photoluminescence studies on nanocrystalline ZnO grown on GaInPAs substrates. Journal of Crystal Growth, 2005, 285, 24-30.	0.7	10
434	Structural, optical and photoelectric properties of ZnO:In and Mg x Zn1 â^'x O nanofilms prepared by sol-gel method. Journal of Sol-Gel Science and Technology, 2006, 39, 57-62.	1.1	10
435	Preparation and Visible Emission of Er-Doped 12CaOÂ·7Al2O3 Powder. Journal of Nanoscience and Nanotechnology, 2008, 8, 1458-1463.	0.9	10
436	MgZnO/MgO strained multiple-quantum-well nanocolumnar films: Stress-induced structural transition and deep ultraviolet emission. Journal of Alloys and Compounds, 2012, 513, 399-403.	2.8	10
437	Spectral modulation through controlling anions in nanocaged phosphors. Journal of Materials Chemistry C, 2013, 1, 7896.	2.7	10
438	Recent progress in ZnO-based heterojunction ultraviolet light-emitting devices. Science Bulletin, 2014, 59, 1219-1227.	1.7	10
439	Environment-dependent photochromism of silver nanoparticles interfaced with metal-oxide films. Applied Surface Science, 2015, 357, 2048-2054.	3.1	10
440	Influence of a solution-deposited rutile layer on the morphology of TiO₂ nanorod arrays and the performance of nanorod-based dye-sensitized solar cells. RSC Advances, 2016, 6, 10450-10455.	1.7	10
441	Fluorescent Holographic Fringes with a Surface Relief Structure Based on Merocyanine Aggregation Driven by Blue-violet Laser. Scientific Reports, 2018, 8, 3818.	1.6	10
442	UV-resistant holographic data storage in noble-metal/semiconductor nanocomposite films with electron-acceptors. Optical Materials Express, 2018, 8, 1143.	1.6	10
443	Improved near-UV electroluminescence of ZnO nanorod array LEDs by coupling with a graphene plasmon layer. Nanophotonics, 2019, 8, 2203-2213.	2.9	10
444	Cesium-functionalized pectin as a cathode interlayer for polymer solar cells. Journal of Materials Chemistry C, 2019, 7, 1592-1596.	2.7	10
445	Self-Standing and Flexible Thermoelectric Nanofiber Mat of an n-Type Conjugated Polymer. ACS Applied Electronic Materials, 2021, 3, 3641-3647.	2.0	10
446	Highâ€Mobility Fungusâ€Triggered Biodegradable Ultraflexible Organic Transistors. Advanced Science, 2022, 9, e2105125.	5.6	10
447	In situ FT-IR reflective absorption spectroscopy for characterization of SiO2 thin films deposited using sputtering-type electron cyclotron resonance microwave plasma. Applied Surface Science, 1997, 121-122, 228-232.	3.1	9
448	Growth of stoichiometric (002) ZnO thin films on Si (001) substrate by using plasma enhanced chemical vapor deposition. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2002, 20, 1779-1783.	0.9	9
449	Temperature-enhanced ultraviolet emission in ZnO thin film. Journal of Luminescence, 2006, 119-120, 242-247.	1.5	9
450	Intense luminescence of amorphous Eu2O3 prepared by aqueous solâ€“gel method. Journal of Non-Crystalline Solids, 2007, 353, 1037-1040.	1.5	9

#	Article	IF	Citations
451	Photoluminescence of ZnO Nanocrystals Embedded in BaF2 Matrices by Magnetron Sputtering. Journal of Nanoscience and Nanotechnology, 2008, 8, 1160-1164.	0.9	9
452	Resistive switching performance improvement of amorphous carbon-based electrochemical metallization memory via current stressing. Applied Physics Letters, 2019, 115, 073501.	1.5	9
453	Holographic grating recorded by Heâ€“Ne laser operating at 632.8 nm in polymer film containing pushâ€“pull azo dye. Optics Communications, 2003, 220, 289-295.	1.0	8
454	Photo-dynamics of polarization holographic recording in spirooxazine-doped polymer films. Materials Letters, 2005, 59, 1449-1452.	1.3	8
455	Hexamethylenediamine-assisted hydrothermal preparation of uniform ZnO particles and their morphology-dependent photoluminescent properties. Materials Chemistry and Physics, 2009, 115, 547-550.	2.0	8
456	Eu²⁺, Tb³⁺, Mn²⁺Triactivated Ba₃MgSi₂O₈Red-Emitting Phosphors for Near Ultraviolet Lighting Emitting Diodes. ECS Journal of Solid State Science and Technology, 2013, 2, R213-R217.	0.9	8
457	Transport in organic single-crystal microbelt for conformal electronics. Applied Physics Letters, 2016, 108, .	1.5	8
458	Ultrasonic spray pyrolysis assembly of a TiO2â€“WO3â€“Pt multi-heterojunction microsphere photocatalyst using highly crystalline WO3 nanosheets: less is better. New Journal of Chemistry, 2016, 40, 3225-3232.	1.4	8
459	Size-Tunable Low Molecular Weight Pectin-Based Electrospun Nanofibers Blended with Low Content of Poly(ethylene oxide). Journal of Nanoscience and Nanotechnology, 2017, 17, 681-689.	0.9	8
460	Minimization of defects in Nb-doped TiO 2 photocatalysts by molten salt flux. Ceramics International, 2018, 44, 10249-10257.	2.3	8
461	Ultrathin Free-Substrate n-Type PTCDI-C13 Transistors With Bilayer Polymer Dielectrics. IEEE Electron Device Letters, 2018, 39, 1183-1186.	2.2	8
462	Pavlovian conditioning achieved via one-transistor/one-resistor memristive synapse. Applied Physics Letters, 2022, 120, .	1.5	8
463	The Synthesis and Optical Properties of ZnO Nanocombs. Journal of Nanoscience and Nanotechnology, 2010, 10, 2370-2374.	0.9	7
464	Formation mechanisms of multiple holographic gratings in spirooxazine-doped polymer films. Optik, 2013, 124, 139-143.	1.4	7
465	Au/Ag nanoalloy shells as near-infrared SERS nanoprobe for the detection of protein. Materials Research Express, 2014, 1, 045408.	0.8	7
466	Localized resistive switching in a ZnSâ€“Ag/ZnS double-layer memory. Journal Physics D: Applied Physics, 2014, 47, 455101.	1.3	7
467	Ultraviolet electroluminescence from Au/MgO/Mg Zn1â^'O heterojunction diodes and the observation of Zn-rich cluster emission. Journal of Luminescence, 2014, 148, 116-120.	1.5	7
468	Efficiency enhanced rutile TiO2 nanowire solar cells based on an Sb2S3 absorber and a CuI hole conductor. New Journal of Chemistry, 2015, 39, 7243-7250.	1.4	7

#	Article	IF	Citations
469	Performance enhancement of ZnO nanowires/PbS quantum dot depleted bulk heterojunction solar cells with an ultrathin Al 2 O 3 interlayer. Chinese Physics B, 2018, 27, 018503.	0.7	7
470	Construction of hierarchical hetero-structured TiO2 photoanodes for dye-sensitized solar energy conversion: Case study of anatase nanobranches on rutile nanorod arrays. Chemical Physics, 2019, 522, 129-133.	0.9	7
471	Enhanced Carrierâ€“Exciton Interactions in Monolayer MoS2 under Applied Voltages. ACS Applied Materials & Interfaces, 2020, 12, 18870-18876.	4.0	7
472	Self-Powered Memristive Systems for Storage and Neuromorphic Computing. Frontiers in Neuroscience, 2021, 15, 662457.	1.4	7
473	Highly Stable Nonhydroxyl Antisolvent Polymer Dielectric: A New Strategy towards High-Performance Low-Temperature Solution-Processed Ultraflexible Organic Transistors for Skin-Inspired Electronics. Research, 2021, 2021, 9897353.	2.8	7
474	Photoluminescence properties of ZnO films grown on InP by thermally oxidizing metallic Zn films. Journal of Physics Condensed Matter, 2003, 15, 1975-1981.	0.7	6
475	Photoelectric properties of ZnO: In nanorods/SiO2/Si heterostructure assembled in aqueous solution. Applied Physics B: Lasers and Optics, 2006, 84, 507-510.	1.1	6
476	Origin of ultraviolet electroluminescence in n -ZnO/p -GaN and n -MgZnO/p -GaN heterojunction light-emitting diodes. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 2751-2755.	0.8	6
477	An ordered array based on vapor-processed phthalocyanine nanoribbons. Journal of Materials Chemistry C, 2014, 2, 5667-5672.	2.7	6
478	Two-wavelength exposure enhancement in holographic data storage of spirooxazine-doped polymers. Optics Communications, 2015, 338, 269-276.	1.0	6
479	Visible laser-assisted reduction of plasmonic Ag nanoparticles with narrow-band optical absorption for colored holographic reconstruction. Optics Express, 2017, 25, 31253.	1.7	6
480	Ultrasensitive Charged Object Detection Based on Rubrene Crystal Sensor. IEEE Transactions on Electron Devices, 2019, 66, 3139-3143.	1.6	6
481	Ultrasonic spray pyrolysis-assisted preparation of CoS for stable, uniform and efficient counter electrode in dye-sensitized solar cells. Solar Energy, 2019, 189, 398-403.	2.9	6
482	Cellulose nanofibers electrospun from aqueous conditions. Cellulose, 2020, 27, 8695-8708.	2.4	6
483	Spray-processed nanoporous BiVO4 photoanodes with high charge separation efficiency for oxygen evolution. APL Materials, 2020, 8, .	2.2	6
484	Flexible, conformal composite proximity sensor for detection of conductor and insulator. Chinese Journal of Analytical Chemistry, 2022, 50, 20-23.	0.9	6
485	Engineering Relaxation-Paths of C-Exciton for Constructing Band Nesting Bypass in WS₂ Monolayer. Nano Letters, 2022, 22, 3699-3706.	4.5	6
486	Compositional and structural studies of amorphous silicon-nitrogen alloys deposited at room temperature using a sputtering-type electron cyclotron resonance microwave plasma. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1999, 79, 137-148.	0.6	5

#	Article	IF	Citations
487	Effects of annealing on structural, optical and electrical properties of Al-doped ZnO thin films. Science in China Series G: Physics, Mechanics and Astronomy, 2004, 47, 588.	0.2	5
488	Optical properties of ZnO nanocrystals embedded in BaF₂ film fabricated by magnetron sputtering. Journal Physics D: Applied Physics, 2007, 40, 5598-5601.	1.3	5
489	Optical property of hexagonal nanocrystalline zno film on Si substrate prepared by plasma-enhanced CVD. Journal of Luminescence, 2007, 122-123, 822-824.	1.5	5
490	Probing the Visible Luminescence Mechanism in ZnO Nanoparticles by Band Edge Modulation. Journal of Nanoscience and Nanotechnology, 2010, 10, 2185-2189.	0.9	5
491	Amplified spontaneous emission from an Ag-backed red-fluorescent-dye-doped polymer film. Applied Optics, 2010, 49, 315.	2.1	5
492	One-Step Nonaqueous Synthesis of Pure Phase TiO₂Nanocrystals from TiCl₄in Butanol and Their Photocatalytic Properties. Journal of Nanomaterials, 2011, 2011, 1-6.	1.5	5
493	Preparation and characterization of multifunctional Fe3O4/ZnO/SiO2 nanocomposites. Journal of Alloys and Compounds, 2012, 535, 91-94.	2.8	5
494	Single-crystal tetrathiafulvalene microwire arrays formed by drop-casting method in the saturated solvent atmosphere. Synthetic Metals, 2014, 198, 248-254.	2.1	5
495	Low temperature preparation and characterization of (Ga1â^'xZnx)(N1â^'yOy) alloy nanostructures using electrospun nanofibers as source materials. Ceramics International, 2014, 40, 3425-3431.	2.3	5
496	Gate-modulated transport properties and mechanism for nanowire cross junction based on SnO2 semiconductor. Applied Physics Letters, 2015, 107, 233503.	1.5	5
497	Modulation of electron transportation in amorphous and polycrystalline indiumâ€“zinc-oxide films grown by pulse laser deposition. Journal of Non-Crystalline Solids, 2015, 423-424, 18-24.	1.5	5
498	Bias-polarity-dependent UV/visible transferable electroluminescence from ZnO nanorod array LED with graphene oxide electrode supporting layer. Applied Physics Express, 2015, 8, 095202.	1.1	5
499	Plasma treatment introduced memory properties in MoS2field-effect transistors. Applied Physics Express, 2016, 9, 014202.	1.1	5
500	The role of DUV laser irradiation in the optical and electrical properties of indium zinc oxide films synthesized by self-combustion. Journal of Alloys and Compounds, 2019, 806, 327-334.	2.8	5
501	Low surface energy interface-derived low-temperature recrystallization behavior of organic thin films for boosting carrier mobility. Journal of Materials Chemistry C, 2019, 7, 13778-13785.	2.7	5
502	An infrared IgG immunoassay based on the use of a nanocomposite consisting of silica coated Fe3O4 superparticles. Mikrochimica Acta, 2019, 186, 99.	2.5	5
503	Selection of Insulating Elastomers for High-Performance Intrinsically Stretchable Transistors. ACS Applied Electronic Materials, 2021, 3, 1458-1467.	2.0	5
504	Crosslinked carboxymethyl starch nanofiber mats: Preparation, water resistance and exudates control ability. European Polymer Journal, 2021, 154, 110568.	2.6	5

#	Article	IF	Citations
505	Effects of preparation parameters on the properties of the crosslinked pectin nanofiber mats. Carbohydrate Polymers, 2021, 269, 118314.	5.1	5
506	Recent Advances in Magnetic Upconversion Nanocomposites for Bioapplications. Current Pharmaceutical Design, 2019, 25, 2007-2015.	0.9	5
507	A control on the photoluminescence properties in P-passivated nanocrystalline ZnO films. Chemical Physics Letters, 2004, 397, 360-363.	1.2	4
508	Growth and optical properties of ZnO microwells by chemical vapor deposition method. Physica B: Condensed Matter, 2009, 404, 315-319.	1.3	4
509	Multiphonon Resonant Raman Scattering (MRRS) of Semiconductor Nanomaterials for Biodetection. Journal of Nanoscience and Nanotechnology, 2011, 11, 9357-9367.	0.9	4
510	Low-temperature, catalyst-free vaporâ€“solid growth of ultralong ZnO nanowires. Materials Chemistry and Physics, 2012, 136, 455-459.	2.0	4
511	Individual single-crystal nanowires as electrodes for organic single-crystal nanodevices. Journal of Materials Chemistry C, 2015, 3, 9534-9539.	2.7	4
512	A Single Nanobelt Transistor for Gas Identification: Using a Gas-Dielectric Strategy. Sensors, 2016, 16, 917.	2.1	4
513	Vertical Bi₂Se₃ flake array as a Pt-free counter electrode for dye-sensitized solar cells. RSC Advances, 2017, 7, 51958-51964.	1.7	4
514	Nonvolatile plasmonic holographic memory based on photo-driven ion migration. Applied Optics, 2017, 56, 6942.	0.9	4
515	Controllable preparation of three-dimensional porous WO3 with enhanced visible light photocatalytic activity via a freeze-drying method. Journal of Materials Science: Materials in Electronics, 2018, 29, 9605-9612.	1.1	4
516	Bi-photonic reduction of anisotropic Ag nanoparticles for color-tunable hologram reconstruction. Optics Express, 2019, 27, 11991.	1.7	4
517	Enhancing hologram memory via deposition of plasmonic nanocubes on orderly mesoporous titania. Optics Express, 2020, 28, 13008.	1.7	4
518	Effects of temperature and pressure on the structural and optical properties of ZnO films grown by pulsed laser deposition. Science China Technological Sciences, 2010, 53, 317-321.	2.0	3
519	Characterization and Optical Transition in Tb-Doped 12CaOÂ·7Al2O3 Powders. Journal of Nanoscience and Nanotechnology, 2010, 10, 2125-2130.	0.9	3
520	Visible Luminescence Mechanism of ZnO Nanoparticles Synthesized by Solâ€“Gel Method. Journal of Nanoscience and Nanotechnology, 2011, 11, 9415-9420.	0.9	3
521	Biphotonic holographic grating recordings for different polarization configurations in spirooxazine-doped polymers. Applied Optics, 2014, 53, 5815.	0.9	3
522	Effect of reset voltage polarity on the resistive switching region of unipolar memory. Physica Status Solidi (A) Applications and Materials Science, 2015, 212, 2255-2261.	0.8	3

#	Article	IF	Citations
523	Two-step vapor transport deposition of large-size bridge-like Bi₂Se₃ nanostructures. CrystEngComm, 2015, 17, 8449-8456.	1.3	3
524	A Glucose Biosensor Based on Detecting Longitudinal Surface Plasmon Resonance of Gold Nanorods. Journal of Nanoscience and Nanotechnology, 2016, 16, 6925-6929.	0.9	3
525	Effect of electrode design on crosstalk between neighboring organic field-effect transistors based on one single crystal. Applied Physics Express, 2018, 11, 036502.	1.1	3
526	A coral-like hematite photoanode on a macroporous SnO2: Sb substrate for enhanced photoelectrochemical water oxidation. Electrochimica Acta, 2020, 360, 137012.	2.6	3
527	Neutron irradiation-induced effects on the reliability performance of electrochemical metallization memory devices. Journal of Semiconductors, 2021, 42, 014103.	2.0	3
528	Facile sputtering enables double-layered ZnO electron transport layer for PbS quantum dot solar cells. Solar Energy, 2021, 214, 599-605.	2.9	3
529	High switching uniformity and 50 fJ/bit energy consumption achieved in amorphous silicon-based memristive device with an AgInSbTe buffer layer. Applied Physics Letters, 2021, 118, 263507.	1.5	3
530	Graphene-oxide/TiO2 nanocomposite films with electron-donors for multicolor holography. Optics Express, 2019, 27, 1740.	1.7	3
531	Thermal-assisted electroforming enables performance improvement by suppressing the overshoot current in amorphous carbon-based electrochemical metallization memory. Applied Physics Letters, 2021, 119, .	1.5	3
532	Recent progress in optoelectronic memristive devices for in-sensor computing. Wuli Xuebao/Acta Physica Sinica, 2022, 71, 148701.	0.2	3
533	Photoluminescence of MgxZn1â€“xO films grown on a sapphire substrate by a MOCVD technique. Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 3508-3511.	0.8	2
534	Growth and Optical Properties of ZnO Low-Dimensional Nanostructures. Journal of Nanoscience and Nanotechnology, 2008, 8, 1101-1109.	0.9	2
535	Microphotoluminescence investigation on single ZnO microrods with different morphologies. Journal of Applied Physics, 2009, 105, .	1.1	2
536	Effect of nitrogenized Si(1â€‰1â€‰1) substrates on the quality of ZnO films grown by pulsed laser deposition. Journal Physics D: Applied Physics, 2009, 42, 035307.	1.3	2
537	Ultraviolet Lasing Action in ZnO Nanosheets. Journal of Nanoscience and Nanotechnology, 2010, 10, 6744-6747.	0.9	2
538	Photocatalytic film of BiOCl honeycomb array from anodic aluminium oxide template. Materials Technology, 2015, 30, A84-A88.	1.5	2
539	Size-controlled ambipolar graphene nanoribbon transistors by an all-dry mask method. Synthetic Metals, 2015, 205, 6-10.	2.1	2
540	Label-Free Detection of Bovine Serum Albumin Protein Based on SiO₂/Au Nanoshells as Near-Infrared Surface-Enhanced Raman Spectroscopy Nanoprobe. Journal of Nanoscience and Nanotechnology, 2016, 16, 7103-7109.	0.9	2

#	Article	IF	Citations
541	Organic Single-Crystal Nanowire Transistor Fabricated by Glass Fiber Mask Method. IEEE Transactions on Electron Devices, 2016, 63, 787-792.	1.6	2
542	Selective photo-oxidation induced bi-periodic plasmonic structures for high-density data storage. Applied Optics, 2017, 56, 7892.	0.9	2
543	A comparison of computational equations for understanding the effect of adhesion energy on mobility of DNTT thin-film transistors. Modern Physics Letters B, 2019, 33, 1950282.	1.0	2
544	Analytical modeling of electrochemical metallization memory device with dual-layer structure of Ag/AgInSbTe/amorphous C/Pt. Semiconductor Science and Technology, 2020, 35, 02LT01.	1.0	2
545	CuSx hole transport layer for PbS quantum dot solar cell. Solar Energy, 2020, 209, 118-122.	2.9	2
546	Silent Synapse: Silent Synapse Activation by Plasmaâ€Induced Oxygen Vacancies in TiO₂ Nanowireâ€Based Memristor (Adv. Electron. Mater. 9/2020). Advanced Electronic Materials, 2020, 6, 2070039.	2.6	2
547	Enhanced Photostability and Photoluminescence of PbI 2 via Constructing Typeâ€I Heterostructure with ZnO. Advanced Photonics Research, 2021, 2, 2000183.	1.7	2
548	Plasmon-driven light harvesting in poly(vinyl alcohol) films for precise surface topography modulation. Optics Letters, 2021, 46, 1828.	1.7	2
549	Conductance Quantization in CH₃NH₃PbI₃ Memristor. IEEE Electron Device Letters, 2022, 43, 1037-1040.	2.2	2
550	A Thermally Activated Excitonâ€“Exciton Collision Process in ZnO Microrods. Chinese Physics Letters, 2004, 21, 1640-1643.	1.3	1
551	Structure and photoluminescence of Mn-passivated nanocrystalline ZnO:S thin films. Physica B: Condensed Matter, 2005, 367, 223-228.	1.3	1
552	Microstructure and optical properties of Eu-doped Mg x Zn1â^'x O hexagonal nanocrystals. Science China Technological Sciences, 2010, 53, 761-765.	2.0	1
553	Multiplexed holographic gratings recorded by 405nm laser in polymer film containing spirooxazines. Proceedings of SPIE, 2012, , .	0.8	1
554	Significant Enhancement of Yellowâ€“Green Light Emission of TiO₂ Thin Films Using Au Localized Surface Plasmons: Effect of Dielectric MgO Spacer Layer Thickness. Journal of Nanoscience and Nanotechnology, 2014, 14, 3748-3752.	0.9	1
555	The effect of Au nanoshells with controllable aggregation on SERS enhancement. Materials Research Express, 2015, 2, 045004.	0.8	1
556	Nondestructive readout of holographic memory in Ag/TiO2 heterojunction via carbon-dots and hydrogel co-modification. Applied Physics Letters, 2021, 118, 141601.	1.5	1
557	Research progress in skin-like ultraflexible organic field-effect transistors. Scientia Sinica Chimica, 2022, 52, 1925-1947.	0.2	1
558	Blue Cathodoluminescence from Highly Er-Doped ZnO Thin Films Induced by the Phonon Bottleneck Effect. Chinese Physics Letters, 2003, 20, 401-403.	1.3	0

#	Article	IF	Citations
559	Structural and optical properties of GaAs quantum dots formed in SiO2 matrix. Materials Letters, 2007, 61, 2875-2878.	1.3	0
560	Excitons Emissions and Raman Scattering of ZnO Nanoparticles Embedded in BaF2 Matrices by Reactive Magnetron Sputtering. Journal of Nanoscience and Nanotechnology, 2011, 11, 9823-9828.	0.9	0
561	Multi-wavelength holographic storage in PMMA film containing spirooxazines. Proceedings of SPIE, 2013, , .	0.8	0
562	Green electroluminescence from p-ZnO:N/n-GaN heterojunction light-emitting diodes. Materials Research Express, 2015, 2, 025901.	0.8	0
563	Organic single-crystal transistors and circuits on ultra-fine Au wires with diameters as small as 15 Î¼m via jigsaw puzzle method. IEEE Electron Device Letters, 2016, , 1-1.	2.2	0
564	Highly Stable Transparent Electrodes Made from Copper Nanotrough Coated with AZO/Al₂O₃. Journal of Nanoscience and Nanotechnology, 2016, 16, 3811-3815.	0.9	0
565	Improved Mobility and Bias Stability of Thin Film Transistors Using the Double-Layer a-InGaZnO/a-InGaZnO:N Channel. Journal of Nanoscience and Nanotechnology, 2016, 16, 3659-3663.	0.9	0
566	Conformable n -channel Organic Phototransistors with Enhanced Photosensitivity and Broadened Response Range via Insertion of an Alq3 Layer. IEEE Electron Device Letters, 2018, , 1-1.	2.2	0
567	Two-terminal optoelectronic memory device. , 2020, , 75-105.		0