

Jinghai Yang

List of Publications by Year in descending order

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241
papers

5,726
citations

100601

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all docs

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docs citations

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times ranked

7490
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel strategy for improving SERS activity by cerium ion f ^{4d} transitions for rapid detection of endocrine disruptor. <i>Chemical Engineering Journal</i> , 2022, 430, 131467.	6.6	8
2	Moisture-preventing MAPbI ₃ solar cells with high photovoltaic performance via multiple ligand engineering. <i>Nano Research</i> , 2022, 15, 1375-1382.	5.8	29
3	Exploring low-temperature processed multifunctional HEPES-Au NSs-modified SnO ₂ for efficient planar perovskite solar cells. <i>Chemical Engineering Journal</i> , 2022, 427, 131832.	6.6	12
4	Aptamer-conjugated magnetic Fe ₃ O ₄ @Au core-shell multifunctional nanoprobe: A three-in-one aptasensor for selective capture, sensitive SERS detection and efficient near-infrared light triggered photothermal therapy of <i>Staphylococcus aureus</i> . <i>Sensors and Actuators B: Chemical</i> , 2022, 350, 130879.	4.0	27
5	Photoelectric balance of rear electrode in bifacial perovskite solar cells: Construction of 0D/1D/2D composite electrode based on silver nanowires to boost photovoltaic output. <i>Journal of Power Sources</i> , 2022, 520, 230815.	4.0	7
6	Hydrogen Tetrachloroaurate-Modulated PEDOT:PSS film assembled with conductive NPB buffer layer for High-Performance planar perovskite solar cells. <i>Chemical Engineering Journal</i> , 2022, 432, 134358.	6.6	5
7	Hydrophobic PbS QDs layer decorated ZnO electron transport layer to boost photovoltaic performance of perovskite solar cells. <i>Chemical Engineering Journal</i> , 2022, 439, 135701.	6.6	21
8	Interface synthesis of MoS ₂ @ZnO@Ag SERS substrate for the ultrasensitive determination of bilirubin. <i>Applied Surface Science</i> , 2022, 598, 153750.	3.1	11
9	Enhanced photovoltaic output of bifacial perovskite solar cells via tailoring photoelectric balance in rear window layers with 1T-WS ₂ nanosheet engineering. <i>Materials Chemistry Frontiers</i> , 2022, 6, 2061-2071.	3.2	8
10	Particle Swarm Predictions of a SrB ₈ Monolayer with 12-Fold Metal Coordination. <i>Journal of the American Chemical Society</i> , 2022, 144, 11120-11128.	6.6	12
11	Reinforcing perovskite framework via aminotrifluorotoluene for achieving efficient and moisture-resistance solar cells. <i>Chemical Engineering Journal</i> , 2022, 450, 137990.	6.6	13
12	Enhanced semiconductor charge-transfer resonance: Unprecedented oxygen bidirectional strategy. <i>Sensors and Actuators B: Chemical</i> , 2021, 327, 128903.	4.0	19
13	One-step fabrication of Fe ₃ O ₄ @Cu nanocomposites: High-efficiency and low-cost catalysts for reduction of 4-nitrophenol. <i>Materials Chemistry and Physics</i> , 2021, 260, 124144.	2.0	20
14	A synchronous defect passivation strategy for constructing high-performance and stable planar perovskite solar cells. <i>Chemical Engineering Journal</i> , 2021, 413, 127387.	6.6	40
15	Interface Dipole Induced Field Effect Passivation for Achieving 21.7% Efficiency and Stable Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2021, 31, 2008052.	7.8	40
16	The influence of ZnO loading amount on the photocatalytic performance of Fe ₃ O ₄ @SiO ₂ @ZnO@Ag composites toward the degradation of organic pollutants and hydrogen evolution. <i>New Journal of Chemistry</i> , 2021, 45, 19283-19293.	1.4	2
17	Preferred Film Orientation to Achieve Stable and Efficient Sn@Pb Binary Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 10822-10836.	4.0	16
18	Self-sustainable and recyclable ternary Au@Cu ₂ O@Ag nanocomposites: application in ultrasensitive SERS detection and highly efficient photocatalysis of organic dyes under visible light. <i>Microsystems and Nanoengineering</i> , 2021, 7, 23.	3.4	72

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19	Diluted-CdS Quantum Dot-Assisted SnO ₂ Electron Transport Layer with Excellent Conductivity and Suitable Band Alignment for High-Performance Planar Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 16326-16335.	4.0	27
20	In-situ surface-enhanced Raman scattering based on MTi ₂ O nanoflowers: Monitoring and degradation of contaminants. <i>Journal of Hazardous Materials</i> , 2021, 412, 125209.	6.5	40
21	Molecular Coupling and Self-Assembly Strategy toward WSe ₂ /Carbon Micro-Nano Hierarchical Structure for Elevated Sodium-Ion Storage. <i>Small Methods</i> , 2021, 5, e2100374.	4.6	24
22	Fabrication of ZnO/ZnS/ZnSe nanosheets for enhanced photocatalytic activity under simulated solar light. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 20082-20092.	1.1	3
23	Interior/Interface Modification of Textured Perovskite for Enhanced Photovoltaic Outputs of Planar Solar Cells by an In Situ Growth Passivation Technology. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 39689-39700.	4.0	8
24	Raman Scattering Methods for Monitoring the Electric Properties of the Postannealed Bulk Heterojunction. <i>ACS Applied Energy Materials</i> , 2021, 4, 8360-8367.	2.5	1
25	Novel carbon quantum dot modified g-C ₃ N ₄ nanotubes on carbon cloth for efficient degradation of ciprofloxacin. <i>Applied Surface Science</i> , 2021, 559, 149967.	3.1	31
26	Destroying the symmetric structure to promote phase transition: Improving the SERS performance and catalytic activity of MoS ₂ nanoflowers. <i>Journal of Alloys and Compounds</i> , 2021, 886, 161268.	2.8	18
27	The unconventionally stoichiometric compounds in the Na-K system at high pressures. <i>Computational Materials Science</i> , 2021, 200, 110818.	1.4	2
28	Full-scale chemical and field-effect passivation: 21.52% efficiency of stable MAPbI ₃ solar cells via benzenamine modification. <i>Nano Research</i> , 2021, 14, 2783-2789.	5.8	20
29	Visible-light-driven photocatalytic degradation of RhB by carbon-quantum-dot-modified g-C ₃ N ₄ on carbon cloth. <i>CrystEngComm</i> , 2021, 23, 4782-4790.	1.3	10
30	A two-fold interfacial electric-field strategy: boosting the performance of electron transport layer-free perovskite solar cells with low-cost and versatile inorganic acid treatment. <i>Journal of Materials Chemistry C</i> , 2021, 9, 12920-12927.	2.7	12
31	Tailoring the d-band center by borophene subunits in chromic diboride toward the hydrogen evolution reaction. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 5130-5138.	3.0	5
32	Two-Dimensional TeB Structures with Anisotropic Carrier Mobility and Tunable Bandgap. <i>Molecules</i> , 2021, 26, 6404.	1.7	0
33	Constructing 1D Boron Chains in the Structure of Transition Metal Monoborides for Hydrogen Evolution Reactions. <i>Catalysts</i> , 2021, 11, 1265.	1.6	5
34	Unconventional Stoichiometries of Na-O Compounds at High Pressures. <i>Materials</i> , 2021, 14, 7650.	1.3	0
35	Iodine-assisted antisolvent engineering for stable perovskite solar cells with efficiency >21.3 %. <i>Nano Energy</i> , 2020, 67, 104224.	8.2	46
36	Constructing "hillocks"-like random-textured absorber for efficient planar perovskite solar cells. <i>Chemical Engineering Journal</i> , 2020, 387, 124091.	6.6	12

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37	Construction of a direct Z-scheme ZnS quantum dot (QD)-Fe ₂ O ₃ QD heterojunction/reduced graphene oxide nanocomposite with enhanced photocatalytic activity. Applied Surface Science, 2020, 506, 144922.	3.1	33
38	Pressure-Engineered Optical and Charge Transport Properties of Mn ²⁺ /Cu ²⁺ Codoped CsPbCl ₃ Perovskite Nanocrystals <i>via</i> Structural Progression. ACS Applied Materials & Interfaces, 2020, 12, 48225-48236.	4.0	22
39	Novel insights into the role of solvent environment in perovskite solar cells prepared by two-step sequential deposition. Journal of Power Sources, 2020, 480, 228862.	4.0	9
40	Constructing m-TiO ₂ /a-WO _x hybrid electron transport layer to boost interfacial charge transfer for efficient perovskite solar cells. Chemical Engineering Journal, 2020, 402, 126303.	6.6	28
41	Hot-Carrier Injection Antennas with Hemispherical AgO _x @Ag Architecture for Boosting the Efficiency of Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2020, 12, 41446-41453.	4.0	19
42	Construction of an MZO heterojunction system with improved photocatalytic activity for degradation of organic dyes. CrystEngComm, 2020, 22, 7059-7065.	1.3	13
43	Enhanced Magnetic Properties of Co-Doped BiFeO ₃ Thin Films via Structural Progression. Nanomaterials, 2020, 10, 1798.	1.9	21
44	Recyclable Magnetic MIP-Based SERS Sensors for Selective, Sensitive, and Reliable Detection of Paclobutrazol Residues in Complex Environments. ACS Sustainable Chemistry and Engineering, 2020, 8, 14549-14556.	3.2	39
45	Ho and Ti Co-Substitution Tailored Structural Phase Transition and Enhanced Magnetic Properties of BiFeO ₃ Thin Films. ACS Omega, 2020, 5, 29292-29299.	1.6	9
46	Damping resonance and refractive index effect on the layer-by-layer sputtering of Ag and Al ₂ O ₃ on the polystyrene template. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 238, 118430.	2.0	4
47	Fabrication of magnetically recoverable Fe ₃ O ₄ /CdS/g-C ₃ N ₄ photocatalysts for effective degradation of ciprofloxacin under visible light. Ceramics International, 2020, 46, 20974-20984.	2.3	39
48	Sandwich-like electron transporting layer to achieve highly efficient perovskite solar cells. Journal of Power Sources, 2020, 453, 227876.	4.0	15
49	Highly efficient and recyclable catalyst: porous Fe ₃ O ₄ @Au magnetic nanocomposites with tailored synthesis. Nanotechnology, 2020, 31, 225701.	1.3	13
50	Monitoring the charge-transfer process in a Nd-doped semiconductor based on photoluminescence and SERS technology. Light: Science and Applications, 2020, 9, 117.	7.7	111
51	Detect, remove and re-use: Sensing and degradation pesticides via 3D tilted ZMRs/Ag arrays. Journal of Hazardous Materials, 2020, 391, 122222.	6.5	50
52	The Electric and Dielectric Properties of SrF ₂ :Tb ³⁺ Nanocrystals Revealed by AC Impedance Spectroscopy. Crystals, 2020, 10, 31.	1.0	0
53	Visible light degradation and separation of RhB by magnetic Fe ₃ O ₄ /ZnO/g-C ₃ N ₄ nanoparticles. Journal of Materials Science: Materials in Electronics, 2020, 31, 5187-5197.	1.1	11
54	Pressure effect on the ionic transport behavior and dielectric property of YF ₃ . Journal of Alloys and Compounds, 2020, 823, 153866.	2.8	3

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55	High pressure X-ray diffraction study of sodium oxide (Na ₂ O): Observations of amorphization and equation of state measurements to 15.9 GPa. <i>Journal of Alloys and Compounds</i> , 2020, 823, 153793.	2.8	10
56	Carrier dynamic monitoring of a TiO_2 -conjugated polymer: a surface-enhanced Raman scattering method. <i>Chemical Communications</i> , 2020, 56, 2779-2782.	2.2	16
57	Charge Carrier Transport Behavior and Dielectric Properties of BaF ₂ :Tb ³⁺ Nanocrystals. <i>Nanomaterials</i> , 2020, 10, 155.	1.9	0
58	Self-cleaning semiconductor heterojunction substrate: ultrasensitive detection and photocatalytic degradation of organic pollutants for environmental remediation. <i>Microsystems and Nanoengineering</i> , 2020, 6, 111.	3.4	20
59	Tuning the defects and luminescence of ZnO:(Er, Sm) nanoflakes for application in organic wastewater treatment. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 15869-15879.	1.1	6
60	Unravelling the mechanism of interface passivation engineering for achieving high-efficient ZnO-based planar perovskite solar cells. <i>Journal of Power Sources</i> , 2019, 438, 226957.	4.0	23
61	Fundamental Formation of Three-Dimensional Fe ₃ O ₄ Microcrystals and Practical Application in Anchoring Au as Recoverable Catalyst for Effective Reduction of 4-Nitrophenol. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 15151-15161.	1.8	31
62	Detection of DNA Hybridization Using ZnS:Mn ²⁺ Nanowires/SiO ₂ Core/Shell Nanocomposites and Au Nanoparticles. <i>Journal of Applied Spectroscopy</i> , 2019, 86, 416-421.	0.3	1
63	ZnO nanoparticles on MoS ₂ microflowers for ultrasensitive SERS detection of bisphenol A. <i>Mikrochimica Acta</i> , 2019, 186, 593.	2.5	47
64	ZnO nanorod arrays decorated with AgCl nanoparticles as highly efficient visible-light-driven photocatalyst. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 13690-13697.	1.1	5
65	Modulation of Ni ³⁺ and crystallization of dopant-free NiO _x hole transporting layer for efficient p-i-n perovskite solar cells. <i>Electrochimica Acta</i> , 2019, 319, 41-48.	2.6	22
66	Engineering 3D hybrid electrode composed of ceria nanoparticles embedded in nickel oxides for high-performance supercapacitors. <i>Journal of Applied Physics</i> , 2019, 126, 015103.	1.1	12
67	Eco-friendly nanostructured Zn-Al layered double hydroxide photocatalysts with enhanced photocatalytic activity. <i>CrystEngComm</i> , 2019, 21, 4607-4619.	1.3	42
68	Plasmon-coupled Charge Transfer in FSZA Core-shell Microspheres with High SERS Activity and Pesticide Detection. <i>Scientific Reports</i> , 2019, 9, 13876.	1.6	11
69	Neodymium doped zinc oxide for ultrasensitive SERS substrate. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 20537-20543.	1.1	8
70	Effect of CdS shell thickness on the photocatalytic properties of TiO ₂ @CdS core-shell nanorod arrays. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 17682-17692.	1.1	11
71	InBr ₃ as a self-defensed redox mediator for Li-O ₂ batteries: In situ construction of a stable indium-rich composite protective layer on the Li anode. <i>Journal of Power Sources</i> , 2019, 439, 227095.	4.0	19
72	Achieving efficient flexible perovskite solar cells with room-temperature processed tungsten oxide electron transport layer. <i>Journal of Power Sources</i> , 2019, 440, 227157.	4.0	24

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73	Site-selective growth of Ag nanoparticles controlled by localized surface plasmon resonance of nanobowl arrays. <i>Nanoscale</i> , 2019, 11, 6576-6583.	2.8	34
74	Decomposition and Recombination of Binary Interalkali Na ₂ K at High Pressures. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 3006-3012.	2.1	10
75	Engineering the mesoporous TiO ₂ layer by a facile method to improve the performance of perovskite solar cells. <i>Electrochimica Acta</i> , 2019, 318, 83-90.	2.6	9
76	Improved Charge Transfer and Hot Spots by Doping and Modulating the Semiconductor Structure: A High Sensitivity and Renewability Surface-Enhanced Raman Spectroscopy Substrate. <i>Langmuir</i> , 2019, 35, 8921-8926.	1.6	18
77	AgNPs decorated Mg-doped ZnO heterostructure with dramatic SERS activity for trace detection of food contaminants. <i>Journal of Materials Chemistry C</i> , 2019, 7, 8199-8208.	2.7	40
78	Two-Step Self-Assembly CdS/g-C ₃ N ₄ Heterostructure Composites with Higher Photocatalytic Performance Under Visible Light Irradiation. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2019, 216, 1800978.	0.8	7
79	Toward ultra-thin and omnidirectional perovskite solar cells: Concurrent improvement in conversion efficiency by employing light-trapping and recrystallizing treatment. <i>Nano Energy</i> , 2019, 60, 198-204.	8.2	42
80	Controllable Preparation of SERS-Active Ag-FeS Substrates by a Cosputtering Technique. <i>Molecules</i> , 2019, 24, 551.	1.7	13
81	Performance assessment of Pr _{1-x} Sr _x Co _{0.8} Cu _{0.2} O _{3-δ} perovskite oxides as cathode material for solid oxide fuel cells with Ce _{0.8} Sm _{0.2} O _{1.9} electrolyte. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 5881-5890.	1.1	2
82	Effect of Ag ₂ S shell thickness on the photocatalytic properties of ZnO/Ag ₂ S core-shell nanorod arrays. <i>Journal of Materials Science</i> , 2019, 54, 1226-1235.	1.7	32
83	Activating Old Materials with New Architecture: Boosting Performance of Perovskite Solar Cells with H ₂ O-Assisted Hierarchical Electron Transporting Layers. <i>Advanced Science</i> , 2019, 6, 1801170.	5.6	35
84	High-Performance Cathode Based on Self-Templated 3D Porous Microcrystalline Carbon with Improved Anion Adsorption and Intercalation. <i>Advanced Functional Materials</i> , 2019, 29, 1806722.	7.8	83
85	Structural, magnetic and impedance spectroscopy properties of Ho ³⁺ modified BiFeO ₃ multiferroic thin film. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 2942-2952.	1.1	10
86	Facile Synthesis of Fluorescent Nitrogen-Doped Carbon Quantum Dots Using Scindapsus as a Carbon Source. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2019, 216, 1800404.	0.8	10
87	Charge Transfer in an Ordered Ag/Cu ₂ S/4-MBA System Based on Surface-Enhanced Raman Scattering. <i>Journal of Physical Chemistry C</i> , 2018, 122, 5599-5605.	1.5	40
88	Correlation between structural change and electrical transport properties of Fe-doped chrysotile nanotubes under high pressure. <i>Journal of Physics Condensed Matter</i> , 2018, 30, 144008.	0.7	2
89	Crystal Structures and Electronic Properties of Oxygen-rich Titanium Oxides at High Pressure. <i>Inorganic Chemistry</i> , 2018, 57, 3254-3260.	1.9	19
90	Controlled preparation of superparamagnetic Fe ₃ O ₄ @SiO ₂ @ZnO-Au core-shell photocatalyst with superior activity: RhB degradation and working mechanism. <i>Powder Technology</i> , 2018, 327, 489-499.	2.1	43

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91	Design of tunable ultraviolet (UV) absorbance by controlling the Ag Al co-sputtering deposition. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 197, 37-42.	2.0	11
92	Tuning magnetic properties of BiFeO ₃ thin films by controlling Mn doping concentration. <i>Ceramics International</i> , 2018, 44, 6054-6061.	2.3	32
93	Eco-friendly seeded Fe ₃ O ₄ -Ag nanocrystals: a new type of highly efficient and low cost catalyst for methylene blue reduction. <i>RSC Advances</i> , 2018, 8, 2209-2218.	1.7	41
94	Optimized design of three-dimensional multi-shell Fe ₃ O ₄ /SiO ₂ /ZnO/ZnSe microspheres with type II heterostructure for photocatalytic applications. <i>Applied Catalysis B: Environmental</i> , 2018, 227, 61-69.	10.8	88
95	Mesoporous TiO ₂ coated ZnFe ₂ O ₄ nanocomposite loading on activated fly ash cenosphere for visible light photocatalysis. <i>RSC Advances</i> , 2018, 8, 1398-1406.	1.7	17
96	SERS polarization-dependent effects for an ordered 3D plasmonic tilted silver nanorod array. <i>Nanoscale</i> , 2018, 10, 8106-8114.	2.8	44
97	General strategy for embedding high quality Fe ₃ O ₄ quantum dots and ZnS:Mn ²⁺ quantum dots in a silica matrix. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 876-880.	1.1	2
98	Surface agglomeration is beneficial for release of magnetic property via research of rare earth (RE) element-substitution. <i>Applied Surface Science</i> , 2018, 427, 745-752.	3.1	12
99	Structural and electrical properties of InN hollow nanotubes under high pressure. <i>Materials Letters</i> , 2018, 213, 306-310.	1.3	3
100	Effects of Nd concentration on structural and magnetic properties of ZnFe ₂ O ₄ nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 3665-3671.	1.1	14
101	Photocatalytic properties of nano-structured carbon nitride: a comparison with bulk graphitic carbon nitride. <i>International Journal of Materials Research</i> , 2018, 109, 129-135.	0.1	5
102	Enhanced catalyst activity by decorating of Au on Ag@Cu ₂ O nanoshell. <i>Applied Surface Science</i> , 2018, 435, 72-78.	3.1	38
103	Ionic Transportation and Dielectric Properties of YF ₃ :Eu ³⁺ Nanocrystals. <i>Nanomaterials</i> , 2018, 8, 995.	1.9	9
104	XPS and Raman study of the active-sites on molybdenum disulfide nanopetals for photocatalytic removal of rhodamine B and doxycycline hydrochloride. <i>RSC Advances</i> , 2018, 8, 36280-36285.	1.7	15
105	Facile Synthesis of Fe ₃ Pt-Ag Nanocomposites for Catalytic Reduction of Methyl Orange. <i>Chemical Research in Chinese Universities</i> , 2018, 34, 871-876.	1.3	13
106	Correlation between Structural Changes and Electrical Transport Properties of Spinel ZnFe ₂ O ₄ Nanoparticles under High Pressure. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 42856-42864.	4.0	16
107	Enhanced Magnetic Properties of BiFeO ₃ Thin Films by Doping: Analysis of Structure and Morphology. <i>Nanomaterials</i> , 2018, 8, 711.	1.9	77
108	Realization of 16.9% Efficiency on Nanowires Heterojunction Solar Cells with Dopant-Free Contact for Bifacial Polarities. <i>Advanced Functional Materials</i> , 2018, 28, 1805001.	7.8	18

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109	Fabrication of P(NIPAAm-co-AAm) coated optical-magnetic quantum dots/silica core-shell nanocomposites for temperature triggered drug release, bioimaging and in vivo tumor inhibition. <i>Journal of Materials Science: Materials in Medicine</i> , 2018, 29, 169.	1.7	12
110	Carrier Density-Dependent Localized Surface Plasmon Resonance and Charge Transfer Observed by Controllable Semiconductor Content. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 6047-6051.	2.1	36
111	Influence of Mn ²⁺ ions on optical and magnetic property of wurtzite Zn _{0.98} ^x Fe _{0.01} Cu _{0.01} Mn _x S nanowires. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	1.1	2
112	Tailoring Blue-Green Double Emissions in Carbon Quantum Dots via Co-Doping Engineering by Competition Mechanism between Chlorine-Related States and Conjugated π -Domains. <i>Nanomaterials</i> , 2018, 8, 635.	1.9	16
113	The Study on Degradation and Separation of RhB Under UV Light by Magnetically ZnO/Fe ₂ O ₃ Nanoparticles. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018, 215, 1800416.	0.8	9
114	Fe ₃ O ₄ /Au binary nanocrystals: Facile synthesis with diverse structure evolution and highly efficient catalytic reduction with cyclability characteristics in 4-nitrophenol. <i>Powder Technology</i> , 2018, 338, 26-35.	2.1	33
115	Enhanced Catalytic Reduction of 4-Nitrophenol Driven by Fe ₃ O ₄ -Au Magnetic Nanocomposite Interface Engineering: From Facile Preparation to Recyclable Application. <i>Nanomaterials</i> , 2018, 8, 353.	1.9	52
116	Effect of Tb-doped Concentration Variation on the Electrical and Dielectric Properties of CaF ₂ Nanoparticles. <i>Nanomaterials</i> , 2018, 8, 532.	1.9	10
117	Defects driven photoluminescence property of Sm-doped ZnO porous nanosheets via a hydrothermal approach. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 16534-16542.	1.1	5
118	The Electrical Properties of Tb-Doped CaF ₂ Nanoparticles under High Pressure. <i>Crystals</i> , 2018, 8, 98.	1.0	8
119	Structural Phase Transition and Compressibility of CaF ₂ Nanocrystals under High Pressure. <i>Crystals</i> , 2018, 8, 199.	1.0	10
120	Highly Efficient, Low-Cost, and Magnetically Recoverable FePt@Ag Nanocatalysts: Towards Green Reduction of Organic Dyes. <i>Nanomaterials</i> , 2018, 8, 329.	1.9	21
121	Ag Nanotwin-Assisted Grain Growth-Induced by Stress in SiO ₂ /Ag/SiO ₂ Nanocap Arrays. <i>Nanomaterials</i> , 2018, 8, 436.	1.9	4
122	Synthesis of porous ZnS/ZnSe nanosheets for enhanced visible light photocatalytic activity. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 11605-11612.	1.1	15
123	Rare-earth doping engineering in nanostructured ZnO: a new type of eco-friendly photocatalyst with enhanced photocatalytic characteristics. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	1.1	15
124	Tuning red emission and photocatalytic properties of highly active ZnO nanosheets by Eu addition. <i>Journal of Luminescence</i> , 2018, 204, 573-580.	1.5	16
125	Blocking the Formation of Zn ²⁺ /Dye Complexes in Dye-Sensitized Solar Cells by Inserting CdS Quantum Dots into Sandwich Layer. <i>Russian Journal of Physical Chemistry A</i> , 2018, 92, 1224-1228.	0.1	3
126	Multiphase TiO ₂ surface coating g-C ₃ N ₄ formed a sea urchin like structure with interface effects and improved visible-light photocatalytic performance for the degradation of ibuprofen. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 13284-13293.	3.8	20

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127	Effect of thickness and microstructure of TiO ₂ shell on photocatalytic performance of magnetic separable Fe ₃ O ₄ /SiO ₂ /mTiO ₂ core-shell composites. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2017, 214, 1600665.	0.8	14
128	Design of Hybrid Nanostructural Arrays to Manipulate SERS-Active Substrates by Nanosphere Lithography. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 7710-7716.	4.0	47
129	Mixed conduction in BaF ₂ nanocrystals under high pressure. <i>RSC Advances</i> , 2017, 7, 12098-12102.	1.7	10
130	High pressure impedance spectroscopy of SrF ₂ nanocrystals. <i>High Pressure Research</i> , 2017, 37, 312-318.	0.4	3
131	Effects of amount of benzyl ether and reaction time on the shape and magnetic properties of Fe ₃ O ₄ nanocrystals. <i>Powder Technology</i> , 2017, 319, 53-59.	2.1	24
132	Insights into the role of the interface defects density and the bandgap of the back surface field for efficient p-type silicon heterojunction solar cells. <i>RSC Advances</i> , 2017, 7, 26776-26782.	1.7	29
133	Rational synthesis and tailored optical and magnetic characteristics of Fe ₃ O ₄ @Au composite nanoparticles. <i>Journal of Materials Science</i> , 2017, 52, 10163-10174.	1.7	40
134	Plasmonic-induced SERS enhancement of shell-dependent Ag@Cu ₂ O core-shell nanoparticles. <i>RSC Advances</i> , 2017, 7, 16553-16560.	1.7	55
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