

Gui-Fang Huang

List of Publications by Year in descending order

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148
papers

4,572
citations

109321

35
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128289

60
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all docs

149
docs citations

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times ranked

4919
citing authors

#	ARTICLE	IF	CITATIONS
1	MOFs-derived porous carbon/NiFeP hierarchical flower-like nanoarchitectures for efficient overall water splitting. <i>Journal Physics D: Applied Physics</i> , 2022, 55, 055502.	2.8	0
2	A host-guest self-assembly strategy to enhance π -electron densities in ultrathin porous carbon nitride nanocages toward highly efficient hydrogen evolution. <i>Chemical Engineering Journal</i> , 2022, 430, 132880.	12.7	33
3	Highly efficient tree search algorithm for irreducible site-occupancy configurations. <i>Physical Review B</i> , 2022, 105, .	3.2	6
4	Two-dimensional chromium phosphorus monolayer based gas sensors to detect NOx: A first-principles study. <i>Results in Physics</i> , 2022, 32, 105100.	4.1	10
5	Symmetry-Breaking-Induced Multifunctionalities of Two-Dimensional Chromium-Based Materials for Nanoelectronics and Clean Energy Conversion. <i>Physical Review Applied</i> , 2022, 18, .	3.8	18
6	A two-dimensional MoS ₂ /SnS heterostructure for promising photocatalytic performance: First-principles investigations. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2021, 126, 114453.	2.7	17
7	Strain and interfacial engineering to accelerate hydrogen evolution reaction of two-dimensional phosphorus carbide*. <i>Chinese Physics B</i> , 2021, 30, 027101.	1.4	2
8	Co-Cu-P nanosheet-based open architecture for high-performance oxygen evolution reaction. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	2.3	7
9	Supersaturation-triggered synthesis of 2D/1D phosphide heterostructures as multi-functional catalysts for water splitting. <i>Applied Physics Letters</i> , 2021, 118, .	3.3	10
10	High-Throughput One-Photon Excitation Pathway in OD/3D Heterojunctions for Visible-Light Driven Hydrogen Evolution. <i>Advanced Functional Materials</i> , 2021, 31, 2100816.	14.9	92
11	One-Photon Excitation Pathway: High-Throughput One-Photon Excitation Pathway in OD/3D Heterojunctions for Visible-Light Driven Hydrogen Evolution (<i>Adv. Funct. Mater.</i> 18/2021). <i>Advanced Functional Materials</i> , 2021, 31, 2170125.	14.9	1
12	Construction of Zn _x Cd _{1-x} S/CeO ₂ composites for enhanced photocatalytic activity and stability by chemical precipitation method. <i>Modern Physics Letters B</i> , 2021, 35, 2150333.	1.9	0
13	Novel urchin-like CoNiP as advanced pH-universal electrocatalysts toward hydrogen evolution reaction. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 365502.	2.8	5
14	Amorphous B-doped graphitic carbon nitride quantum dots with high photoluminescence quantum yield of near 90% and their sensitive detection of Fe ²⁺ /Cd ²⁺ . <i>Science China Materials</i> , 2021, 64, 3037-3050.	6.3	17
15	2D Amorphous CoO Incorporated g-C ₃ N ₄ Nanotubes for Improved Photocatalytic Performance. <i>Physica Status Solidi - Rapid Research Letters</i> , 2021, 15, 2100254.	2.4	6
16	High-throughput computational design for 2D van der Waals functional heterostructures: Fragility of Anderson's rule and beyond. <i>Applied Physics Letters</i> , 2021, 119, .	3.3	24
17	Acid-induced topological morphology modulation of graphitic carbon nitride homojunctions as advanced metal-free catalysts for OER and pollutant degradation. <i>Journal of Materials Science and Technology</i> , 2021, 86, 210-218.	10.7	18
18	Generalized Synthetic Strategy for Amorphous Transition Metal Oxides-Based 2D Heterojunctions with Superb Photocatalytic Hydrogen and Oxygen Evolution. <i>Advanced Functional Materials</i> , 2021, 31, 2009230.	14.9	97

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19	Dipole Engineering of Two-Dimensional van der Waals Heterostructures for Enhanced Power-Conversion Efficiency: The Case of Janus Ga_2Se https://doi.org/10.1021/acs.nanolett.2c00116 . <i>ACS Nano</i> , 2021, 15, 1151-1161.	3.8	39
20	In situ construction of hierarchical graphitic carbon nitride homojunction as robust bifunctional photoelectrocatalyst for overall water splitting. <i>Journal of Chemical Technology and Biotechnology</i> , 2020, 95, 758-769.	3.2	6
21	Interfacial charge modulation: carbon quantum dot implanted carbon nitride double-deck nanoframes for robust visible-light photocatalytic tetracycline degradation. <i>Nanoscale</i> , 2020, 12, 3135-3145.	5.6	45
22	Ultrahigh Sensitivity and Selectivity of Pentagonal SiC_2 Monolayer Gas Sensors: The Synergistic Effect of Composition and Structural Topology. <i>Physica Status Solidi (B): Basic Research</i> , 2020, 257, 1900445.	1.5	11
23	Algorithm for generating irreducible site-occupancy configurations. <i>Physical Review B</i> , 2020, 102, .	3.2	16
24	$\text{NiFe}_2\text{O}_4/\text{NiFeP}$ Heterostructure Grown on Nickel Foam as an Efficient Electrocatalyst for Water Oxidation. <i>ChemElectroChem</i> , 2020, 7, 4047-4054.	3.4	15
25	Ultra-thin tubular graphitic carbon Nitride-Carbon Dot lateral heterostructures: One-Step synthesis and highly efficient catalytic hydrogen generation. <i>Chemical Engineering Journal</i> , 2020, 397, 125470.	12.7	72
26	Hierarchical Self-assembly of Well-Defined Louver-Like P-Doped Carbon Nitride Nanowire Arrays with Highly Efficient Hydrogen Evolution. <i>Nano-Micro Letters</i> , 2020, 12, 52.	27.0	45
27	Type-II/type-II band alignment to boost spatial charge separation: a case study of $\text{g-C}_3\text{N}_4$ quantum dots/ $\text{a-TiO}_2/\text{r-TiO}_2$ for highly efficient photocatalytic hydrogen and oxygen evolution. <i>Nanoscale</i> , 2020, 12, 6037-6046.	5.6	79
28	From monolayer to lateral heterostructure of functionalized phosphorus carbide: Evolution of electronic properties. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2020, 118, 113962.	2.7	6
29	A design rule for two-dimensional van der Waals heterostructures with unconventional band alignments. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 3037-3047.	2.8	19
30	Organic Small Molecule Activates Transition Metal Foam for Efficient Oxygen Evolution Reaction. <i>Advanced Materials</i> , 2020, 32, e1906015.	21.0	56
31	Strain and Electric Field Controllable Schottky Barriers and Contact Types in Graphene-MoTe ₂ van der Waals Heterostructure. <i>Nanoscale Research Letters</i> , 2020, 15, 180.	5.7	15
32	Strategy to boost catalytic activity of polymeric carbon nitride: synergistic effect of controllable <i>in situ</i> surface engineering and morphology. <i>Nanoscale</i> , 2019, 11, 16393-16405.	5.6	45
33	Monolayer Phosphorene-Carbon Nanotube Heterostructures for Photocatalysis: Analysis by Density Functional Theory. <i>Nanoscale Research Letters</i> , 2019, 14, 233.	5.7	10
34	Steering charge kinetics boost the photocatalytic activity of graphitic carbon nitride: heteroatom-mediated spatial charge separation and transfer. <i>Journal Physics D: Applied Physics</i> , 2019, 53, 015502.	2.8	28
35	Chlorine doped graphitic carbon nitride nanorings as an efficient photoresponsive catalyst for water oxidation and organic decomposition. <i>Journal of Materials Science and Technology</i> , 2019, 35, 2288-2296.	10.7	61
36	OD/2D Z-scheme heterojunctions of $\text{g-C}_3\text{N}_4$ quantum dots/ ZnO nanosheets as a highly efficient visible-light photocatalyst. <i>Advanced Powder Technology</i> , 2019, 30, 1576-1583.	4.1	40

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37	Tunable Schottky barrier in van der Waals heterostructures of graphene and hydrogenated phosphorus carbide monolayer: first-principles calculations. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 305104.	2.8	18
38	Dimensional transformation and morphological control of graphitic carbon nitride from water-based supramolecular assembly for photocatalytic hydrogen evolution: from 3D to 2D and 1D nanostructures. <i>Applied Catalysis B: Environmental</i> , 2019, 254, 321-328.	20.2	134
39	Doping-induced enhancement of crystallinity in polymeric carbon nitride nanosheets to improve their visible-light photocatalytic activity. <i>Nanoscale</i> , 2019, 11, 6876-6885.	5.6	128
40	Doping-Induced Hydrogen-Bond Engineering in Polymeric Carbon Nitride To Significantly Boost the Photocatalytic H ₂ Evolution Performance. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 17341-17349.	8.0	71
41	Hollow BCN microrods with hierarchical multichannel structure as a multifunctional material: Synergistic effects of structural topology and composition. <i>Carbon</i> , 2019, 148, 231-240.	10.3	29
42	Protonated supramolecular complex-induced porous graphitic carbon nitride nanosheets as bifunctional catalyst for water oxidation and organic pollutant degradation. <i>Journal of Materials Science</i> , 2019, 54, 7637-7650.	3.7	16
43	Electrostatic Potential Anomaly in 2D Janus Transition Metal Dichalcogenides. <i>Annalen Der Physik</i> , 2019, 531, 1900369.	2.4	13
44	Penta-Graphene as a Potential Gas Sensor for NO _x Detection. <i>Nanoscale Research Letters</i> , 2019, 14, 306.	5.7	52
45	Hydroxy-carbonate-assisted synthesis of high porous graphitic carbon nitride with broken of hydrogen bonds as a highly efficient visible-light-driven photocatalyst. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 105502.	2.8	32
46	Two-dimensional GaX/SnS ₂ (X = S, Se) van der Waals Heterostructures for Photovoltaic Application: Heteroatom Doping Strategy to Boost Power Conversion Efficiency. <i>Physica Status Solidi - Rapid Research Letters</i> , 2019, 13, 1800565.	2.4	35
47	Isotype heterojunction g-C ₃ N ₄ /g-C ₃ N ₄ nanosheets as 2D support to highly dispersed OD metal oxide nanoparticles: Generalized self-assembly and its high photocatalytic activity. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 025501.	2.8	46
48	Porous graphitic carbon nitride with lamellar structure: Facile synthesis via in-site supramolecular self-assembly in alkaline solutions and superior photocatalytic activity. <i>Advanced Powder Technology</i> , 2019, 30, 120-125.	4.1	8
49	Insights Into Interfacial Interaction and Its Influence on the Electronic and Optical Properties of Two-dimensional WS ₂ /TXCO ₂ (X = Ti, Zr) van der Waals Heterostructures. <i>Physica Status Solidi (B): Basic Research</i> , 2019, 256, 1800377.	1.5	2
50	Self-assembled hierarchical carbon/g-C ₃ N ₄ composite with high photocatalytic activity. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 135501.	2.8	12
51	Interfacial Interaction between Boron Cluster and Metal Oxide Surface and Its Effects: A Case Study of B ₂₀ /Ag ₃ PO ₄ van der Waals Heterostructure. <i>Journal of Physical Chemistry C</i> , 2018, 122, 6151-6158.	3.1	7
52	Facile in situ synthesis of wurtzite ZnS/ZnO core/shell heterostructure with highly efficient visible-light photocatalytic activity and photostability. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 075501.	2.8	36
53	Facile synthesis and superior photocatalytic and electrocatalytic performances of porous B-doped g-C ₃ N ₄ nanosheets. <i>Journal of Materials Science and Technology</i> , 2018, 34, 2515-2520.	10.7	87
54	Interfacial Interactions in Monolayer and Few-layer SnS/CH ₃ NH ₃ Pb ₃ Perovskite van der Waals Heterostructures and Their Effects on Electronic and Optical Properties. <i>ChemPhysChem</i> , 2018, 19, 291-299.	2.1	12

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55	Theory-Driven Heterojunction Photocatalyst Design with Continuously Adjustable Band Gap Materials. <i>Journal of Physical Chemistry C</i> , 2018, 122, 28065-28074.	3.1	20
56	Facile <i>in situ</i> construction of mediator-free direct Z-scheme g-C ₃ N ₄ /CeO ₂ heterojunctions with highly efficient photocatalytic activity. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 275302.	2.8	110
57	Dispersive and covalent interactions in all-carbon heterostructures consisting of penta-graphene and fullerene: topological effect. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 305301.	2.8	12
58	In-situ construction of 2D direct Z-scheme g-C ₃ N ₄ /g-C ₃ N ₄ homojunction with high photocatalytic activity. <i>Journal of Materials Science</i> , 2018, 53, 15882-15894.	3.7	52
59	Substrate-induced magnetism and topological phase transition in silicene. <i>Nanoscale</i> , 2018, 10, 14667-14677.	5.6	10
60	Simultaneous dispersive and covalent monolayer MoS ₂ /TiO ₂ cluster heterostructures: Insights into their enhanced photocatalytic activity. <i>Superlattices and Microstructures</i> , 2018, 121, 64-74.	3.1	0
61	Mesoporous g-C ₃ N ₄ Nanosheets: Synthesis, Superior Adsorption Capacity and Photocatalytic Activity. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 5502-5510.	0.9	19
62	Tuning the near-gap electronic structure of Cu ₂ O by anion-cation co-doping for enhanced solar energy conversion. <i>Modern Physics Letters B</i> , 2017, 31, 1650429.	1.9	4
63	Electronic and optical properties of Cr-, B-doped, and (Cr, B)-codoped SrTiO ₃ . <i>International Journal of Modern Physics B</i> , 2017, 31, 1750064.	2.0	2
64	Simultaneous covalent and noncovalent carbon nanotube/Ag ₃ PO ₄ hybrids: new insights into the origin of enhanced visible light photocatalytic performance. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 7955-7963.	2.8	13
65	Construction of g-C ₃ N ₄ /CeO ₂ /ZnO ternary photocatalysts with enhanced photocatalytic performance. <i>Journal of Physics and Chemistry of Solids</i> , 2017, 106, 1-9.	4.0	116
66	Hybrid TiO ₂ /graphene derivatives nanocomposites: is functionalized graphene better than pristine graphene for enhanced photocatalytic activity?. <i>Catalysis Science and Technology</i> , 2017, 7, 1423-1432.	4.1	20
67	Origin of enhanced visible-light photocatalytic activity of transition-metal (Fe, Cr and Co)-doped CeO ₂ : effect of 3d orbital splitting. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	2.3	37
68	Two-Dimensional MoS ₂ -Graphene-Based Multilayer van der Waals Heterostructures: Enhanced Charge Transfer and Optical Absorption, and Electric-Field Tunable Dirac Point and Band Gap. <i>Chemistry of Materials</i> , 2017, 29, 5504-5512.	6.7	131
69	Interfacial interaction in monolayer transition metal dichalcogenide/metal oxide heterostructures and its effects on electronic and optical properties: The case of MX ₂ /CeO ₂ . <i>Applied Physics Express</i> , 2017, 10, 011201.	2.4	11
70	Noncovalent Functionalization of Monolayer MoS ₂ with Carbon Nanotubes: Tuning Electronic Structure and Photocatalytic Activity. <i>Journal of Physical Chemistry C</i> , 2017, 121, 21921-21929.	3.1	23
71	Novel <i>in situ</i> g-C ₃ N ₄ /CuO nanoflakes: facile synthesis and unique photocatalytic performance. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 355501.	2.8	10
72	The mechanism of enhanced photocatalytic activity of SnO ₂ through fullerene modification. <i>Current Applied Physics</i> , 2017, 17, 1547-1556.	2.4	14

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73	Facile one-step in-situ synthesis of type-II CeO ₂ /CeF ₃ composite with tunable morphology and photocatalytic activity. <i>Ceramics International</i> , 2016, 42, 16374-16381.	4.8	15
74	Dual role of monolayer MoS ₂ in enhanced photocatalytic performance of hybrid MoS ₂ /SnO ₂ nanocomposite. <i>Journal of Applied Physics</i> , 2016, 119, .	2.5	57
75	Insights into enhanced visible-light photocatalytic activity of C ₆₀ modified g-C ₃ N ₄ hybrids: the role of nitrogen. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 33094-33102.	2.8	31
76	Tunable synthesis of various ZnO architectural structures with enhanced photocatalytic activities. <i>Materials Letters</i> , 2016, 175, 68-71.	2.6	23
77	Electronic properties and photoactivity of monolayer MoS ₂ /fullerene van der Waals heterostructures. <i>RSC Advances</i> , 2016, 6, 43228-43236.	3.6	28
78	A facile and rapid route for synthesis of g-C ₃ N ₄ nanosheets with high adsorption capacity and photocatalytic activity. <i>RSC Advances</i> , 2016, 6, 86688-86694.	3.6	81
79	Mechanism of enhanced photocatalytic activities on tungsten trioxide doped with sulfur: Dopant-type effects. <i>Modern Physics Letters B</i> , 2016, 30, 1650340.	1.9	6
80	Non-covalent functionalization of WS ₂ monolayer with small fullerenes: tuning electronic properties and photoactivity. <i>Dalton Transactions</i> , 2016, 45, 13383-13391.	3.3	22
81	Dual functions of 2D WS ₂ and MoS ₂ "WS ₂ monolayers coupled with a Ag ₃ PO ₄ photocatalyst. <i>Semiconductor Science and Technology</i> , 2016, 31, 095013.	2.0	8
82	Enhanced photocatalytic activity of hexagonal flake-like Bi ₂ S ₃ /ZnS composites with a large percentage of reactive facets. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 305105.	2.8	17
83	Dramatically Enhanced Visible Light Response of Monolayer ZrS ₂ via Non-covalent Modification by Double-Ring Tubular B20 Cluster. <i>Nanoscale Research Letters</i> , 2016, 11, 495.	5.7	25
84	Facile route to fabricate carbon-doped TiO ₂ nanoparticles and its mechanism of enhanced visible light photocatalytic activity. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	2.3	16
85	Tuning near-gap electronic structure, interface charge transfer and visible light response of hybrid doped graphene and Ag ₃ PO ₄ composite: Dopant effects. <i>Scientific Reports</i> , 2016, 6, 22267.	3.3	24
86	Facile ion-exchange synthesis of mesoporous Bi ₂ S ₃ /ZnS nanoplate with high adsorption capability and photocatalytic activity. <i>Journal of Colloid and Interface Science</i> , 2016, 464, 103-109.	9.4	35
87	Enhanced photocatalytic performance of an Ag ₃ PO ₄ photocatalyst via fullerene modification: first-principles study. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 2878-2886.	2.8	22
88	Origin of enhanced photocatalytic activity of F-doped CeO ₂ nanocubes. <i>Applied Surface Science</i> , 2016, 370, 427-432.	6.1	50
89	Insights into enhanced visible-light photocatalytic activity of CeO ₂ doped with nonmetal impurity from the first principles. <i>Materials Science in Semiconductor Processing</i> , 2016, 41, 200-208.	4.0	44
90	Insights into Enhanced Visible-Light Photocatalytic Hydrogen Evolution of g-C ₃ N ₄ and Highly Reduced Graphene Oxide Composite: The Role of Oxygen. <i>Chemistry of Materials</i> , 2015, 27, 1612-1621.	6.7	252

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91	Origin of photocatalytic activity of nitrogen-doped germanium dioxide under visible light from first principles. <i>Materials Science in Semiconductor Processing</i> , 2015, 31, 517-524.	4.0	8
92	Half-metallic ferromagnetism in Fe-chain-embedded zigzag boron-nitride nanoribbons with line defect. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2015, 74, 431-437.	2.7	2
93	Electronic Structures and Photocatalytic Responses of SrTiO ₃ (100) Surface Interfaced with Graphene, Reduced Graphene Oxide, and Graphane: Surface Termination Effect. <i>Journal of Physical Chemistry C</i> , 2015, 119, 19095-19104.	3.1	32
94	Enhancement of photocatalytic activity of combustion-synthesized CeO ₂ /C ₃ N ₄ nanoparticles. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 120, 1205-1209.	2.3	18
95	Mass production of ZnxCd1-xS nanoparticles with enhanced visible light photocatalytic activity. <i>Materials Letters</i> , 2015, 158, 432-435.	2.6	11
96	A novel photocatalyst CeF ₃ : facile fabrication and photocatalytic performance. <i>RSC Advances</i> , 2015, 5, 95171-95177.	3.6	19
97	Morphology-controlled SnS ₂ nanostructures synthesized by refluxing method with high photocatalytic activity. <i>Materials Letters</i> , 2015, 161, 480-483.	2.6	18
98	Enhanced photocatalytic activity and stability of Zn Cd _{1-x} S/TiO ₂ nanocomposites synthesized by chemical bath deposition. <i>Materials Letters</i> , 2015, 142, 133-136.	2.6	15
99	Band structure engineering of monolayer MoS ₂ : a charge compensated codoping strategy. <i>RSC Advances</i> , 2015, 5, 7944-7952.	3.6	26
100	Reversal of thermal rectification in one-dimensional nonlinear composite system. <i>Chinese Physics B</i> , 2014, 23, 114401.	1.4	2
101	THE ELECTRONIC AND OPTICAL PROPERTIES OF X-DOPED SrTiO ₃ (X = Rh, Pd,) $T_j ETQq_1 \frac{1}{2.0} 0.784314 rgBT$	2.0	8
102	Annealing Effects on Photocatalytic Activity of Zn _{0.2} Cd _{0.8} S Films Prepared by Chemical Bath Deposition. <i>Journal of Nanomaterials</i> , 2014, 2014, 1-6.	2.7	5
103	The enhanced photocatalytic activity of Ti ³⁺ self-doped TiO ₂ by a reduction method. <i>Materials Letters</i> , 2014, 122, 33-36.	2.6	32
104	Novel 3D flower-like Ag ₃ PO ₄ microspheres with highly enhanced visible light photocatalytic activity. <i>Materials Letters</i> , 2014, 116, 209-211.	2.6	45
105	Novel Ag ₃ PO ₄ /CeO ₂ composite with high efficiency and stability for photocatalytic applications. <i>Journal of Materials Chemistry A</i> , 2014, 2, 1750-1756.	10.3	251
106	Band engineering of ZnS by codoping for visible-light photocatalysis. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 116, 741-750.	2.3	32
107	Band gap engineering by lanthanide doping in the photocatalyst LaOF: First-principles study. <i>International Journal of Modern Physics B</i> , 2014, 28, 1450069.	2.0	6
108	Interfacial Interactions of Semiconductor with Graphene and Reduced Graphene Oxide: CeO ₂ as a Case Study. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 20350-20357.	8.0	71

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109	Native vacancy defects in bismuth sulfide. <i>International Journal of Modern Physics B</i> , 2014, 28, 1450150.	2.0	15
110	Electrospinning preparation of p-type NiO/n-type CeO ₂ heterojunctions with enhanced photocatalytic activity. <i>Materials Letters</i> , 2014, 133, 109-112.	2.6	37
111	Facile shape-controllable synthesis of Ag ₃ PO ₄ photocatalysts. <i>Materials Letters</i> , 2014, 133, 139-142.	2.6	33
112	Theoretical insight into the electronic and photocatalytic properties of Cu ₂ O from a hybrid density functional theory. <i>Materials Science in Semiconductor Processing</i> , 2014, 23, 34-41.	4.0	16
113	Mechanism of Superior Visible-Light Photocatalytic Activity and Stability of Hybrid Ag ₃ PO ₄ /Graphene Nanocomposite. <i>Journal of Physical Chemistry C</i> , 2014, 118, 12972-12979.	3.1	78
114	Band-Gap Widening of Nitrogen-Doped Cu ₂ O: New Insights from First-Principles Calculations. <i>Science of Advanced Materials</i> , 2014, 6, 1221-1227.	0.7	10
115	Luminescent and photocatalytic properties of hollow SnO ₂ nanospheres. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2013, 178, 725-729.	3.5	16
116	Efficient ultraviolet emission of ZnS nanospheres: Co doping enhancement. <i>Materials Letters</i> , 2013, 100, 237-240.	2.6	24
117	http://www.w3.org/1998/Math/MathML id="M1" Ag_3PO_4 Semiconductor Photocatalyst: Possibilities and Challenges. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-6.		
118	Coupling effect of La doping and porphyrin sensitization on photocatalytic activity of nanocrystalline TiO ₂ . <i>Materials Letters</i> , 2013, 108, 37-40.	2.6	32
119	Enhanced visible-light photoactivity of La-doped ZnS thin films. <i>Applied Physics A: Materials Science and Processing</i> , 2012, 108, 895-900.	2.3	34
120	Orientation-controlled synthesis and magnetism of single crystalline Co nanowires. <i>Journal of Magnetism and Magnetic Materials</i> , 2012, 324, 4043-4047.	2.3	10
121	Effects of contact shape on ballistic phonon transport in semiconductor nanowires. <i>Current Applied Physics</i> , 2012, 12, 437-442.	2.4	0
122	Visible-light absorption and photocatalytic activity of Cr-doped TiO ₂ nanocrystal films. <i>Advanced Powder Technology</i> , 2012, 23, 8-12.	4.1	198
123	Annealing effects on photocatalytic activity of ZnS films prepared by chemical bath deposition. <i>Materials Letters</i> , 2012, 75, 221-224.	2.6	33
124	Size-controllable synthesis and enhanced photocatalytic activity of porous ZnS nanospheres. <i>Materials Letters</i> , 2012, 83, 104-107.	2.6	46
125	Effect of Gaussian acoustic nanocavities in a narrow constriction on ballistic phonon transmission. <i>Applied Physics A: Materials Science and Processing</i> , 2011, 104, 635-642.	2.3	2
126	Ballistic phonon transport through a Fibonacci array of acoustic nanocavities in a narrow constriction. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2011, 375, 2000-2006.	2.1	1

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127	Ballistic phonon transmission in quasiperiodic acoustic nanocavities. <i>Journal of Applied Physics</i> , 2011, 109, 084310.	2.5	3
128	Ballistic phonon transmission in a symmetric converging“diverging contact of a semiconductor nanowire. <i>Journal Physics D: Applied Physics</i> , 2011, 44, 105102.	2.8	2
129	Optical Characteristics of La-Doped ZnS Thin Films Prepared by Chemical Bath Deposition. <i>Chinese Physics Letters</i> , 2011, 28, 027806.	3.3	11
130	BALLISTIC PHONON TRANSPORT THROUGH GAUSSIAN ACOUSTIC NANOCAVITIES. <i>Modern Physics Letters B</i> , 2011, 25, 1631-1642.	1.9	4
131	Material properties dependence of ballistic phonon transmission through two coupled nanocavities. <i>Journal of Applied Physics</i> , 2009, 105, 124305.	2.5	10
132	INVESTIGATION OF BIAXIAL ELASTIC MODULUS AND CTE OF BaTiO3 FILMS. <i>International Journal of Modern Physics B</i> , 2009, 23, 4933-4941.	2.0	1
133	Selective transmission and enhanced thermal conductance of ballistic phonon by nanocavities embedded in a narrow constriction. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 015101.	2.8	8
134	Magnetic properties of CoFeP films prepared by electroless deposition. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 1177-1181.	2.3	17
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