

Nan Pan

List of Publications by Year in descending order

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40
papers

1,476
citations

471509

17
h-index

315739

38
g-index

40
all docs

40
docs citations

40
times ranked

3055
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly efficient dye adsorption and removal: a functional hybrid of reduced graphene oxide@Fe ₃ O ₄ nanoparticles as an easily regenerative adsorbent. <i>Journal of Materials Chemistry</i> , 2012, 22, 3527.	6.7	369
2	Highly Polarized and Fast Photoresponse of Black Phosphorus@InSe Vertical p-n Heterojunctions. <i>Advanced Functional Materials</i> , 2018, 28, 1802011.	14.9	142
3	Unveiling Solvent-Related Effect on Phase Transformations in CsBr@PbBr ₂ System: Coordination and Ratio of Precursors. <i>Chemistry of Materials</i> , 2018, 30, 5846-5852.	6.7	125
4	Revealing anisotropy and thickness dependence of Raman spectra for SnS flakes. <i>RSC Advances</i> , 2017, 7, 48759-48765.	3.6	95
5	Ternary Graphene@TiO ₂ @Fe ₃ O ₄ Nanocomposite as a Recollectable Photocatalyst with Enhanced Durability. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 4439-4444.	2.0	83
6	Fabrication of Low-Cost and Highly Sensitive Graphene-Based Pressure Sensors by Direct Laser Scribing Polydimethylsiloxane. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 6195-6200.	8.0	82
7	Tip-morphology-dependent field emission from ZnO nanorod arrays. <i>Nanotechnology</i> , 2010, 21, 225707.	2.6	77
8	Catalytic Dehydrogenation in Mg by Co-Doped Ni and VO _x on Active Carbon: Extremely Fast Kinetics at Low Temperatures and High Hydrogen Capacity. <i>Advanced Energy Materials</i> , 2011, 1, 387-393.	19.5	58
9	The Raman enhancement effect on a thin GaSe flake and its thickness dependence. <i>Journal of Materials Chemistry C</i> , 2015, 3, 11129-11134.	5.5	40
10	Strong Surface Effect on Cathodoluminescence of an Individual Tapered ZnO Nanorod. <i>Journal of Physical Chemistry C</i> , 2007, 111, 17265-17267.	3.1	34
11	Improving the photovoltaic performance of solid-state ZnO/CdTe core-shell nanorod array solar cells using a thin CdS interfacial layer. <i>Journal of Materials Chemistry A</i> , 2014, 2, 5675-5681.	10.3	34
12	One-step CVD fabrication and optoelectronic properties of SnS ₂ /SnS vertical heterostructures. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 1828-1835.	6.0	31
13	Synthesis of Nitrogen-Doped Graphene via Thermal Annealing Graphene with Urea. <i>Chinese Journal of Chemical Physics</i> , 2012, 25, 325-329.	1.3	28
14	Maximizing Integrated Optical and Electrical Properties of a Single ZnO Nanowire through Native Interfacial Doping. <i>Advanced Materials</i> , 2014, 26, 3035-3041.	21.0	21
15	Probing Exciton Complexes and Charge Distribution in Inkslab-Like WSe ₂ Homojunction. <i>ACS Nano</i> , 2018, 12, 4959-4967.	14.6	21
16	Realizing CsPbBr ₃ Light-Emitting Diode Arrays Based on PDMS Template Confined Solution Growth of Single-Crystalline Perovskite. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 8275-8282.	4.6	21
17	Synthesis and Photocatalytic Activity of One-dimensional ZnO-Zn ₂ SnO ₄ Mixed Oxide Nanowires. <i>Chinese Journal of Chemical Physics</i> , 2008, 21, 81-86.	1.3	19
18	Oxygen Vacancy: An Electron-Phonon Interaction Decoupler to Modulate the Near-Band-Edge Emission of ZnO Nanorods. <i>Journal of Physical Chemistry C</i> , 2012, 116, 17294-17299.	3.1	18

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19	Efficient Energy Transfer in In ₂ Se ₃ –MoSe ₂ van der Waals Heterostructures. ACS Omega, 2018, 3, 11930-11936.	3.5	18
20	Polymorph separation induced by angle distortion and electron delocalization effect via orbital modification in $V\text{VO}_2$ epitaxial thin films. Physical Review B, 2017, 95, .	3.2	17
21	Fabrication of dendrite-like Au nanostructures and their enhanced photoluminescence emission. Physica Status Solidi (A) Applications and Materials Science, 2007, 204, 3398-3404.	1.8	16
22	Negative thermal quenching of photoluminescence in annealed ZnO–Al ₂ O ₃ core–shell nanorods. Physical Chemistry Chemical Physics, 2015, 17, 5360-5365.	2.8	16
23	High Performance Ultraviolet Photodetector Fabricated with ZnO Nanoparticles–graphene Hybrid Structures. Chinese Journal of Chemical Physics, 2013, 26, 225-230.	1.3	15
24	A Green and Mild Approach of Synthesis of Highly-Conductive Graphene Film by Zn Reduction of Exfoliated Graphite Oxide. Chinese Journal of Chemical Physics, 2012, 25, 494-500.	1.3	14
25	Two Step Chemical Vapor Deposition of In ₂ Se ₃ /MoSe ₂ van der Waals Heterostructures. Chinese Journal of Chemical Physics, 2017, 30, 325-332.	1.3	14
26	Manipulating and tailoring the properties of 0-D and 1-D nanomaterials. Journal of Materials Chemistry, 2010, 20, 5567.	6.7	13
27	Utilization of Resist Stencil Lithography for Multidimensional Fabrication on a Curved Surface. ACS Nano, 2018, 12, 9626-9632.	14.6	13
28	Remarkable enhancement of photovoltaic performance of ZnO/CdTe core–shell nanorod array solar cells through interface passivation with a TiO ₂ layer. RSC Advances, 2015, 5, 71883-71889.	3.6	10
29	Graphene/TiO ₂ hybrid layer for simultaneous detection and degradation by a one-step transfer and integration method. RSC Advances, 2017, 7, 14959-14965.	3.6	6
30	Lattice Disorder-Engineered Energy Splitting between Bright and Dark Excitons in CsPbBr ₃ Quantum Wires. Journal of Physical Chemistry Letters, 2019, 10, 1355-1360.	4.6	6
31	Interfacially Al-doped ZnO nanowires: greatly enhanced near band edge emission through suppressed electron–phonon coupling and confined optical field. Physical Chemistry Chemical Physics, 2017, 19, 9537-9544.	2.8	5
32	The role of a few-layer TiO _x surfactant: remarkably-enhanced succeeding radial growth and properties of ZnO nanowires. Journal of Materials Chemistry C, 2016, 4, 9569-9575.	5.5	3
33	Fabricating 3D Metastructures by Simultaneous Modulation of Flexible Resist Stencils and Basal Molds. Advanced Materials, 2020, 32, 2002570.	21.0	3
34	Self-Assembly and the Properties of a Highly Oriented Hierarchical Nanobelt-Nanoprism Array of Ternary Oxide Zn-In-O. European Journal of Inorganic Chemistry, 2010, 2010, 4344-4350.	2.0	2
35	Highly efficient and controllable method to fabricate ultrafine metallic nanostructures. AIP Advances, 2015, 5, 117216.	1.3	2
36	Manipulating the quantum interference effect and magnetotransport of ZnO nanowires through interfacial doping. Nanoscale, 2017, 9, 17610-17616.	5.6	2

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37	In Situ Low-Temperature Growth and Superior Luminescent Property of Well-Aligned, High-Quality Cubic CsPbBr ₃ Micrometer-Scale Single Crystal Arrays on Transparent Conductive Substrates. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 1114-1122.	4.6	2
38	Effect of Screw-Dislocation on Electrical Properties of Spiral-Type Bi ₂ Se ₃ Nanoplates. <i>Chinese Journal of Chemical Physics</i> , 2016, 29, 687-692.	1.3	1
39	Spontaneous Cracking of Graphite Oxide Sheet on Oxygen Deficient ZnO Film. <i>Chinese Journal of Chemical Physics</i> , 2014, 27, 87-91.	1.3	0
40	Study of interfacial random strain fields in core-shell ZnO nanowires by scanning transmission electron microscopy. <i>Micron</i> , 2020, 133, 102862.	2.2	0