Zongyou Yin

List of Publications by Year
in descending order

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		13099	4991
173	29,890	68	167
papers	citations	h-index	g-index

195	195	195	33703
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	InVO4-based photocatalysts for energy and environmental applications. Chemical Engineering Journal, 2022, 428, 131145.	12.7	44
2	Advancement of Bismuthâ€Based Materials for Electrocatalytic and Photo(electro)catalytic Ammonia Synthesis. Advanced Functional Materials, 2022, 32, 2106713.	14.9	44
3	All room-temperature synthesis, N2 photofixation and reactivation over 2D cobalt oxides. Applied Catalysis B: Environmental, 2022, 304, 121001.	20.2	11
4	Electrocatalysis enabled transformation of earth-abundant water, nitrogen and carbon dioxide for a sustainable future. Materials Advances, 2022, 3, 1359-1400.	5.4	17
5	Bandgap engineered g-C3N4 and its graphene composites for stable photoreduction of CO2 to methanol. Carbon, 2022, 192, 101-108.	10.3	42
6	High-Temperature Thermoelectric Monolayer Bi₂TeSe₂ with High Power Factor and Ultralow Thermal Conductivity. ACS Applied Energy Materials, 2022, 5, 2564-2572.	5.1	35
7	Emerging Strategies for CO₂ Photoreduction to CH₄: From Experimental to Dataâ€Driven Design. Advanced Energy Materials, 2022, 12, .	19.5	68
8	Machine learning accelerated calculation and design of electrocatalysts for CO₂ reduction. SmartMat, 2022, 3, 68-83.	10.7	31
9	General Bottom-Up Colloidal Synthesis of Nano-Monolayer Transition-Metal Dichalcogenides with High 1Tâ€²-Phase Purity. Journal of the American Chemical Society, 2022, 144, 4863-4873.	13.7	58
10	MOF-on-MOF nanoarchitecturing of Fe2O3@ZnFe2O4 radial-heterospindles towards multifaceted superiorities for acetone detection. Chemical Engineering Journal, 2022, 442, 136094.	12.7	31
11	Dataâ€Driven Materials Innovation and Applications. Advanced Materials, 2022, 34, e2104113.	21.0	51
12	Thermal Transport and Mechanical Properties of Layered Oxychalcogenides LaCuOX (X = S, Se, and Te). ACS Applied Energy Materials, 2022, 5, 6943-6951.	5.1	5
13	Data-driven engineering descriptor and refined scale relations for predicting bubble departure diameter. International Journal of Heat and Mass Transfer, 2022, 195, 123078.	4.8	1
14	Emerging Synthesis Strategies of 2D MOFs for Electrical Devices and Integrated Circuits. Small, 2022, 18, .	10.0	19
15	Oxygen vacancies activating surface reactivity to favor charge separation and transfer in nanoporous BiVO4 photoanodes. Applied Catalysis B: Environmental, 2021, 281, 119477.	20.2	116
16	MnO₂â€Based Materials for Environmental Applications. Advanced Materials, 2021, 33, e2004862.	21.0	252
17	A thermally insulated solar evaporator coupled with a passive condenser for freshwater collection. Journal of Materials Chemistry A, 2021, 9, 22428-22439.	10.3	16
18	One-Step Carbothermal Synthesis of Super Nanoadsorbents for Rapid and Recyclable Wastewater Treatment. Crystals, 2021, 11, 75.	2.2	1

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19	Atomically Dispersed Indium Sites for Selective CO₂ Electroreduction to Formic Acid. ACS Nano, 2021, 15, 5671-5678.	14.6	121
20	An Experimentally Verified LCâ€MS Protocol toward an Economical, Reliable, and Quantitative Isotopic Analysis in Nitrogen Reduction Reactions. Small Methods, 2021, 5, e2000694.	8.6	16
21	Machine Learningâ€Aided Crystal Facet Rational Design with Ionic Liquid Controllable Synthesis. Small, 2021, 17, e2100024.	10.0	24
22	Rareâ€Earth Incorporated Alloy Catalysts: Synthesis, Properties, and Applications. Advanced Materials, 2021, 33, e2005988.	21.0	84
23	Plasmonically enhanced photoluminescence of monolayer MoS₂ via nanosphere lithography-templated gold metasurfaces. Nanophotonics, 2021, 10, 1733-1740.	6.0	14
24	Photo/electrochemical Carbon Dioxide Conversion into C₃₊ Hydrocarbons: Reactivity and Selectivity. ChemNanoMat, 2021, 7, 969-981.	2.8	10
25	Noble-Metal-Free Multicomponent Nanointegration for Sustainable Energy Conversion. Chemical Reviews, 2021, 121, 10271-10366.	47.7	156
26	The data-intensive scientific revolution occurring where two-dimensional materials meet machine learning. Cell Reports Physical Science, 2021, 2, 100482.	5.6	26
27	Heterogeneous bimetallic sulfides based seawater electrolysis towards stable industrial-level large current density. Applied Catalysis B: Environmental, 2021, 291, 120071.	20.2	150
28	Integration of data-intensive, machine learning and robotic experimental approaches for accelerated discovery of catalysts in renewable energy-related reactions. Materials Reports Energy, 2021, 1, 100049.	3.2	7
29	Twist-driven wide freedom of indirect interlayer exciton emission in MoS2/WS2 heterobilayers. Cell Reports Physical Science, 2021, 2, 100509.	5.6	23
30	Zero-emission multivalorization of light alcohols with self-separable pure H2 fuel. Applied Catalysis B: Environmental, 2021, 292, 120212.	20.2	5
31	ZnIn₂S₄â€Based Photocatalysts for Energy and Environmental Applications. Small Methods, 2021, 5, e2100887.	8.6	153
32	Selective N2/H2O adsorption onto 2D amphiphilic amorphous photocatalysts for ambient gas-phase nitrogen fixation. Applied Catalysis B: Environmental, 2021, 294, 120240.	20.2	10
33	Periodic nanostructures: preparation, properties and applications. Chemical Society Reviews, 2021, 50, 6423-6482.	38.1	34
34	Nano Polymorphismâ€Enabled Redox Electrodes for Rechargeable Batteries. Advanced Materials, 2021, 33, e2004920.	21.0	23
35	2D materials inks toward smart flexible electronics. Materials Today, 2021, 50, 116-148.	14.2	57
36	Boosting Thermoelectric Performance of 2D Transition-Metal Dichalcogenides by Complex Cluster Substitution: The Role of Octahedral Au₆ Clusters. ACS Applied Energy Materials, 2021, 4, 12163-12176.	5.1	33

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37	Stable two-dimensional lead iodide hybrid materials for light detection and broadband photoluminescence. Materials Chemistry Frontiers, 2021, 6, 71-77.	5.9	1
38	Rare earth element based single-atom catalysts: synthesis, characterization and applications in photo/electro-catalytic reactions. Nanoscale Horizons, 2021, 7, 31-40.	8.0	26
39	Nonepitaxial Goldâ€Tipped ZnSe Hybrid Nanorods for Efficient Photocatalytic Hydrogen Production. Small, 2020, 16, e1902231.	10.0	37
40	Sustainable Nanoplasmonâ€Enhanced Photoredox Reactions: Synthesis, Characterization, and Applications. Advanced Energy Materials, 2020, 10, 2002402.	19.5	44
41	Mesoporous ZnAl2Si10O24 nanofertilizers enable high yield of Oryza sativa L.. Scientific Reports, 2020, 10, 10841.	3.3	25
42	2D Materials Based on Main Group Element Compounds: Phases, Synthesis, Characterization, and Applications. Advanced Functional Materials, 2020, 30, 2001127.	14.9	58
43	NIR-plasmon-enhanced Systems for Energy Conversion and Environmental Remediation. Chemical Research in Chinese Universities, 2020, 36, 1000-1005.	2.6	4
44	Mechanisms and Applications of Steady-State Photoluminescence Spectroscopy in Two-Dimensional Transition-Metal Dichalcogenides. ACS Nano, 2020, 14, 14579-14604.	14.6	56
45	Emission Control from Transition Metal Dichalcogenide Monolayers by Aggregation-Induced Molecular Rotors. ACS Nano, 2020, 14, 7444-7453.	14.6	23
46	Lithiumâ€Ion Batteries: Organicâ€“Rare Earth Hybrid Anode with Superior Cyclability for Lithium Ion Battery (Adv. Mater. Interfaces 9/2020). Advanced Materials Interfaces, 2020, 7, 2070051.	3.7	1
47	Solid Nanoporosity Governs Catalytic CO₂ and N₂ Reduction. ACS Nano, 2020, 14, 7734-7759.	14.6	59
48	Organicâ€“Rare Earth Hybrid Anode with Superior Cyclability for Lithium Ion Battery. Advanced Materials Interfaces, 2020, 7, 1902168.	3.7	15
49	Photocatalytic Hydrogen Production: Nonepitaxial Goldâ€Tipped ZnSe Hybrid Nanorods for Efficient Photocatalytic Hydrogen Production (Small 12/2020). Small, 2020, 16, 2070066.	10.0	0
50	Simulation-guided nanofabrication of high-quality practical tungsten probes. RSC Advances, 2020, 10, 24280-24287.	3.6	7
51	Synergizing Phase and Cavity in CoMoO_xS_y Yolkâ€“Shell Anodes to Coâ€Enhance Capacity and Rate Capability in Sodium Storage. Small, 2020, 16, e2002487.	10.0	27
52	Rare-earth-containing perovskite nanomaterials: design, synthesis, properties and applications. Chemical Society Reviews, 2020, 49, 1109-1143.	38.1	211
53	Structuralâ€Phase Catalytic Redox Reactions in Energy and Environmental Applications. Advanced Materials, 2020, 32, e1905739.	21.0	56
54	Colloidal Singleâ€Layer Photocatalysts for Methanolâ€Storable Solar H₂ Fuel. Advanced Materials, 2019, 31, e1905540.	21.0	39

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55	Waterproof molecular monolayers stabilize 2D materials. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 20844-20849.	7.1	32
56	Thickness-tunable growth of ultra-large, continuous and high-dielectric h-BN thin films. Journal of Materials Chemistry C, 2019, 7, 1871-1879.	5.5	17
57	Solar Cells: Quantifying Quasiâ€Fermi Level Splitting and Mapping its Heterogeneity in Atomically Thin Transition Metal Dichalcogenides (Adv. Mater. 25/2019). Advanced Materials, 2019, 31, 1970180.	21.0	2
58	Highâ€Yield Electrochemical Production of Largeâ€Sized and Thinly Layered NiPS₃ Flakes for Overall Water Splitting. Small, 2019, 15, e1902427.	10.0	62
59	Quantifying Quasiâ€Fermi Level Splitting and Mapping its Heterogeneity in Atomically Thin Transition Metal Dichalcogenides. Advanced Materials, 2019, 31, e1900522.	21.0	34
60	Colloidal quasi-one-dimensional dual semiconductor core/shell nanorod couple heterostructures with blue fluorescence. Nanoscale, 2019, 11, 10190-10197.	5.6	12
61	Photocatalysts: Colloidal Singleâ€Layer Photocatalysts for Methanolâ€Storable Solar H₂ Fuel (Adv. Mater. 49/2019). Advanced Materials, 2019, 31, 1970348.	21.0	0
62	Surface strategies for catalytic CO₂reduction: from two-dimensional materials to nanoclusters to single atoms. Chemical Society Reviews, 2019, 48, 5310-5349.	38.1	607
63	Lanthanide doping induced electrochemical enhancement of Na₂Ti₃O₇ anodes for sodium-ion batteries. Chemical Science, 2018, 9, 3421-3425.	7.4	66
64	A Diamond:H/WO₃ Metalâ€“Oxideâ€“Semiconductor Field-Effect Transistor. IEEE Electron Device Letters, 2018, 39, 540-543.	3.9	27
65	Enhanced transport in transistor by tuning transition-metal oxide electronic states interfaced with diamond. Science Advances, 2018, 4, eaau0480.	10.3	42
66	Photocatalysis: Spontaneous Formation of Noble- and Heavy-Metal-Free Alloyed Semiconductor Quantum Rods for Efficient Photocatalysis (Adv. Mater. 39/2018). Advanced Materials, 2018, 30, 1870296.	21.0	0
67	Photoactivity and Stability Coâ€Enhancement: When Localized Plasmons Meet Oxygen Vacancies in MgO. Small, 2018, 14, e1803233.	10.0	28
68	A general salt-resistant hydrophilic/hydrophobic nanoporous double layer design for efficient and stable solar water evaporation distillation. Materials Horizons, 2018, 5, 1143-1150.	12.2	232
69	Spontaneous Formation of Nobleâ€and Heavyâ€Metalâ€Free Alloyed Semiconductor Quantum Rods for Efficient Photocatalysis. Advanced Materials, 2018, 30, e1803351.	21.0	47
70	Colloidal synthesis of 1T' phase dominated WS2 towards endurable electrocatalysis. Nano Energy, 2018, 50, 176-181.	16.0	123
71	Regulating the active species of Ni(OH)₂ using CeO₂: 3D CeO₂/Ni(OH)₂/carbon foam as an efficient electrode for the oxygen evolution reaction. Chemical Science, 2017, 8, 3211-3217.	7.4	141
72	Room temperature stable CO _x -free H ₂ production from methanol with magnesium oxide nanophotocatalysts. Science Advances, 2016, 2, e1501425.	10.3	62

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73	Anion-redox nanolithia cathodes for Li-ion batteries. Nature Energy, 2016, 1, .	39.5	171
74	Coupling and Stacking Order of ReS₂ Atomic Layers Revealed by Ultralow-Frequency Raman Spectroscopy. Nano Letters, 2016, 16, 1404-1409.	9.1	139
75	Periodic stacking of 2D charged sheets: Self-assembled superlattice of Niâ€“Al layered double hydroxide (LDH) and reduced graphene oxide. Nano Energy, 2016, 20, 185-193.	16.0	188
76	Low-Temperature in Situ Growth of Graphene on Metallic Substrates and Its Application in Anticorrosion. ACS Applied Materials & Interfaces, 2016, 8, 502-510.	8.0	78
77	InP Based Quantum Dots for Long Wavelength Emissions and Their Post-Growth Bandgap Tuning. Journal of Nanoelectronics and Optoelectronics, 2015, 10, 151-156.	0.5	1
78	Phosphineâ€Free, Lowâ€Temperature Synthesis of Tetrapodâ€Shaped CdS and Its Hybrid with Au Nanoparticles. Small, 2014, 10, 4727-4734.	10.0	20
79	TaS2 nanosheet-based room-temperature dosage meter for nitric oxide. APL Materials, 2014, 2, .	5.1	16
80	Rational Synthesis of Triangular Auâ€“Ag₂S Hybrid Nanoframes with Effective Photoresponses. Chemistry - A European Journal, 2014, 20, 2742-2745.	3.3	22
81	Periodic AuAgâ€Ag₂S Heterostructured Nanowires. Small, 2014, 10, 479-482.	10.0	20
82	Grapheneâ€Based Materials for Solar Cell Applications. Advanced Energy Materials, 2014, 4, 1300574.	19.5	398
83	25th Anniversary Article: Hybrid Nanostructures Based on Twoâ€Dimensional Nanomaterials. Advanced Materials, 2014, 26, 2185-2204.	21.0	579
84	Three-dimensional graphene materials: preparation, structures and application in supercapacitors. Energy and Environmental Science, 2014, 7, 1850-1865.	30.8	773
85	Au Nanoparticleâ€Modified MoS₂ Nanosheetâ€Based Photoelectrochemical Cells for Water Splitting. Small, 2014, 10, 3537-3543.	10.0	265
86	MoS2 nanoflower-decorated reduced graphene oxide paper for high-performance hydrogen evolution reaction. Nanoscale, 2014, 6, 5624.	5.6	320
87	Graphene and Grapheneâ€Based Materials for Energy Storage Applications. Small, 2014, 10, 3480-3498.	10.0	653
88	Carbon Microbelt Aerogel Prepared by Waste Paper: An Efficient and Recyclable Sorbent for Oils and Organic Solvents. Small, 2014, 10, 3544-3550.	10.0	196
89	Rod-coating all-solution fabrication of double functional graphene oxide films for flexible alternating current (AC)-driven light-emitting diodes. RSC Advances, 2014, 4, 55671-55676.	3.6	8
90	CdS: Phosphineâ€Free, Lowâ€Temperature Synthesis of Tetrapodâ€Shaped CdS and Its Hybrid with Au Nanoparticles (Small 22/2014). Small, 2014, 10, 4726-4726.	10.0	1

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91	Low temperature growth of graphene on Cuâ€“Ni alloy nanofibers for stable, flexible electrodes. Nanoscale, 2014, 6, 5110.	5.6	23
92	A Universal, Rapid Method for Clean Transfer of Nanostructures onto Various Substrates. ACS Nano, 2014, 8, 6563-6570.	14.6	192
93	Photoanode Current of Largeâ€“Area MoS₂ Ultrathin Nanosheets with Vertically Meshâ€“Shaped Structure on Indium Tin Oxide. ACS Applied Materials & Interfaces, 2014, 6, 5983-5987.	8.0	79
94	Preparation of MoS₂â€“MoO₃ Hybrid Nanomaterials for Lightâ€Emitting Diodes. Angewandte Chemie - International Edition, 2014, 53, 12560-12565.	13.8	133
95	Water Splitting: Au Nanoparticle-Modified MoS2Nanosheet-Based Photoelectrochemical Cells for Water Splitting (Small 17/2014). Small, 2014, 10, 3536-3536.	10.0	2
96	Preparation and Applications of Mechanically Exfoliated Single-Layer and Multilayer MoS₂ and WSe₂ Nanosheets. Accounts of Chemical Research, 2014, 47, 1067-1075.	15.6	1,374
97	Layer Thinning and Etching of Mechanically Exfoliated MoS₂ Nanosheets by Thermal Annealing in Air. Small, 2013, 9, 3314-3319.	10.0	229
98	Carbon Fiber Aerogel Made from Raw Cotton: A Novel, Efficient and Recyclable Sorbent for Oils and Organic Solvents. Advanced Materials, 2013, 25, 5916-5921.	21.0	600
99	Mid-infrared emissive InAsSb quantum dots grown by metalâ€“organic chemical vapor deposition. CrystEngComm, 2013, 15, 604-608.	2.6	7
100	A facile, relative green, and inexpensive synthetic approach toward large-scale production of SnS2 nanoplates for high-performance lithium-ion batteries. Nanoscale, 2013, 5, 1456.	5.6	177
101	Memory Devices Using a Mixture of MoS₂ and Graphene Oxide as the Active Layer. Small, 2013, 9, 727-731.	10.0	144
102	Fabrication of Flexible, Allâ€Reduced Graphene Oxide Nonâ€Volatile Memory Devices. Advanced Materials, 2013, 25, 233-238.	21.0	207
103	Synthesis of Fewâ€Layer MoS₂ Nanosheetâ€Coated TiO₂ Nanobelt Heterostructures for Enhanced Photocatalytic Activities. Small, 2013, 9, 140-147.	10.0	1,166
104	Mechanical Exfoliation and Characterization of Singleâ€and Fewâ€Layer Nanosheets of WSe₂, TaS₂, and TaSe₂. Small, 2013, 9, 1974-1981.	10.0	544
105	Gold Nanotip Array for Ultrasensitive Electrochemical Sensing and Spectroscopic Monitoring. Small, 2013, 9, 2260-2265.	10.0	23
106	Oriented Molecular Attachments Through Solâ€“Gel Chemistry for Synthesis of Ultrathin Hydrated Vanadium Pentoxide Nanosheets and Their Applications. Small, 2013, 9, 716-721.	10.0	67
107	Hierarchical hollow spheres composed of ultrathin Fe2O3 nanosheets for lithium storage and photocatalytic water oxidation. Energy and Environmental Science, 2013, 6, 987.	30.8	404
108	MOVPE GROWTH OF THE InP BASED MID-IR EMISSION QUANTUM DOT STRUCTURES. Journal of Molecular and Engineering Materials, 2013, 01, 1350002.	1.8	0

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109	A carbon monoxide gas sensor using oxygen plasma modified carbon nanotubes. Nanotechnology, 2012, 23, 425502.	2.6	35
110	A general method for the large-scale synthesis of uniform ultrathin metal sulphide nanocrystals. Nature Communications, 2012, 3, 1177.	12.8	368
111	Fabrication of nanoelectrode ensembles by electrodepositon of Au nanoparticles on single-layer graphene oxide sheets. Nanoscale, 2012, 4, 2728.	5.6	76
112	Real-time DNA detection using Pt nanoparticle-decorated reduced graphene oxide field-effect transistors. Nanoscale, 2012, 4, 293-297.	5.6	185
113	An Effective Method for the Fabrication of Fewâ€Layerâ€Thick Inorganic Nanosheets. Angewandte Chemie - International Edition, 2012, 51, 9052-9056.	13.8	520
114	Crystal Structure and Phototransistor Behavior of N-Substituted Heptacence. ACS Applied Materials & Interfaces, 2012, 4, 1883-1886.	8.0	118
115	Synthesis of Fe3O4 and Pt nanoparticles on reduced graphene oxide and their use as a recyclable catalyst. Nanoscale, 2012, 4, 2478.	5.6	131
116	Fabrication of Singleâ€and Multilayer MoS₂ Filmâ€Based Fieldâ€Effect Transistors for Sensing NO at Room Temperature. Small, 2012, 8, 63-67.	10.0	1,346
117	Optical Identification of Singleâ€and Fewâ€Layer MoS₂ Sheets. Small, 2012, 8, 682-686.	10.0	290
118	Layered Nanomaterials: Fabrication of Single- and Multilayer MoS2 Film-Based Field-Effect Transistors for Sensing NO at Room Temperature (Small 1/2012). Small, 2012, 8, 2-2.	10.0	4
119	Fabrication of Flexible MoS₂ Thinâ€Film Transistor Arrays for Practical Gasâ€Sensing Applications. Small, 2012, 8, 2994-2999.	10.0	817
120	Single-Layer MoS₂Phototransistors. ACS Nano, 2012, 6, 74-80.	14.6	3,103
121	Electrochemically Reduced Singleâ€Layer MoS₂ Nanosheets: Characterization, Properties, and Sensing Applications. Small, 2012, 8, 2264-2270.	10.0	373
122	Graphene-based electronic sensors. Chemical Science, 2012, 3, 1764.	7.4	663
123	Fabrication of Graphene Nanomesh by Using an Anodic Aluminum Oxide Membrane as a Template. Advanced Materials, 2012, 24, 4138-4142.	21.0	183
124	Full Solutionâ€Processed Synthesis of All Metal Oxideâ€Based Treeâ€like Heterostructures on Fluorineâ€Doped Tin Oxide for Water Splitting. Advanced Materials, 2012, 24, 5374-5378.	21.0	131
125	Assembly of Graphene Oxide and Au0.7Ag0.3 Alloy Nanoparticles on SiO2: A New Raman Substrate with Ultrahigh Signal-to-Background Ratio. Journal of Physical Chemistry C, 2011, 115, 24080-24084.	3.1	36
126	Preparation, characterization, physical properties, and photoconducting behaviour of anthracene derivative nanowires. Nanoscale, 2011, 3, 4720.	5.6	46

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127	Preparation, characterization, and photoswitching/light-emitting behaviors of coronene nanowires. Journal of Materials Chemistry, 2011, 21, 1423-1427.	6.7	116
128	Electrochemical deposition of Cl-doped n-type Cu₂O on reduced graphene oxide electrodes. Journal of Materials Chemistry, 2011, 21, 3467-3470.	6.7	91
129	Nucleation Mechanism of Electrochemical Deposition of Cu on Reduced Graphene Oxide Electrodes. Journal of Physical Chemistry C, 2011, 115, 15973-15979.	3.1	50
130	Surface enhanced Raman scattering of Ag or Au nanoparticle-decorated reduced graphene oxide for detection of aromatic molecules. Chemical Science, 2011, 2, 1817.	7.4	249
131	Solution-Processed Nanocrystalline TiO₂ Buffer Layer Used for Improving the Performance of Organic Photovoltaics. ACS Applied Materials & Interfaces, 2011, 3, 1063-1067.	8.0	40
132	Transparent, Flexible, All-Reduced Graphene Oxide Thin Film Transistors. ACS Nano, 2011, 5, 5038-5044.	14.6	305
133	Synthesis, Characterization, and Physical Properties of a Conjugated Heteroacene: 2â€Methylâ€1,4,6,7,8,9â€hexaphenylbenz(g)isoquinolinâ€3(2H)â€one (BIQ). Chemistry - an Asian Journal, 2011, 6, 856-862.	3.3	95
134	Chemical Reaction Between Ag Nanoparticles and TCNQ Microparticles in Aqueous Solution. Small, 2011, 7, 1242-1246.	10.0	92
135	Grapheneâ€Based Materials: Synthesis, Characterization, Properties, and Applications. Small, 2011, 7, 1876-1902.	10.0	2,239
136	Bottomâ€Up Preparation of Porous Metalâ€Oxide Ultrathin Sheets with Adjustable Composition/Phases and Their Applications. Small, 2011, 7, 3458-3464.	10.0	55
137	Singleâ€Layer Semiconducting Nanosheets: Highâ€Yield Preparation and Device Fabrication. Angewandte Chemie - International Edition, 2011, 50, 11093-11097.	13.8	1,517
138	Enhancement of Photogenerated Electron Transport in Dyeâ€Sensitized Solar Cells with Introduction of a Reduced Graphene Oxideâ€“TiO₂ Junction. Chemistry - A European Journal, 2011, 17, 10832-10837.	3.3	133
139	Controlled CVD growth of Cuâ€“Sb alloy nanostructures. Nanotechnology, 2011, 22, 325602.	2.6	12
140	Growth of dandelion-shaped CuInSe₂nanostructures by a two-step solvothermal process. Nanotechnology, 2011, 22, 195607.	2.6	23
141	Allâ€Carbon Electronic Devices Fabricated by Directly Grown Singleâ€Walled Carbon Nanotubes on Reduced Graphene Oxide Electrodes. Advanced Materials, 2010, 22, 3058-3061.	21.0	201
142	Multilayer Stacked Lowâ€Temperatureâ€Reduced Graphene Oxide Films: Preparation, Characterization, and Application in Polymer Memory Devices. Small, 2010, 6, 1536-1542.	10.0	113
143	Electrochemical Deposition of ZnO Nanorods on Transparent Reduced Graphene Oxide Electrodes for Hybrid Solar Cells. Small, 2010, 6, 307-312.	10.0	626
144	Generation of Dual Patterns of Metal Oxide Nanomaterials Based on Seed-Mediated Selective Growth. Langmuir, 2010, 26, 4616-4619.	3.5	12

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145	Nanolithography of Single-Layer Graphene Oxide Films by Atomic Force Microscopy. Langmuir, 2010, 26, 6164-6166.	3.5	68
146	Aminosilane Micropatterns on Hydroxyl-Terminated Substrates: Fabrication and Applications. Langmuir, 2010, 26, 5603-5609.	3.5	98
147	Centimeter-Long and Large-Scale Micropatterns of Reduced Graphene Oxide Films: Fabrication and Sensing Applications. ACS Nano, 2010, 4, 3201-3208.	14.6	571
148	Electrochemical Deposition of Semiconductor Oxides on Reduced Graphene Oxide-Based Flexible, Transparent, and Conductive Electrodes. Journal of Physical Chemistry C, 2010, 114, 11816-11821.	3.1	159
149	Organic Photovoltaic Devices Using Highly Flexible Reduced Graphene Oxide Films as Transparent Electrodes. ACS Nano, 2010, 4, 5263-5268.	14.6	566
150	Postchemistry of Organic Particles: When TTF Microparticles Meet TCNQ Microstructures in Aqueous Solution. Journal of the American Chemical Society, 2010, 132, 6926-6928.	13.7	125
151	Bulk Heterojunction Polymer Memory Devices with Reduced Graphene Oxide as Electrodes. ACS Nano, 2010, 4, 3987-3992.	14.6	215
152	Photoluminescence of InAs quantum dots embedded in graded InGaAs barriers. Journal of Nanoparticle Research, 2009, 11, 1947-1955.	1.9	1
153	Below bandgap emission with intensity higher than bandâ€toâ€band transition in GaAsN. Physica Status Solidi C: Current Topics in Solid State Physics, 2008, 5, 464-466.	0.8	1
154	Selective Intermixing of InAs/InGaAs/InP Quantum Dot Structure With Large Energy Band Gap Tuning. IEEE Nanotechnology Magazine, 2008, 7, 422-426.	2.0	3
155	First-step nucleation growth dependence of InAs/InGaAs/InP quantum dot formation in two-step growth. Nanotechnology, 2008, 19, 085603.	2.6	1
156	A review of energy bandgap engineering in IIIâ€“V semiconductor alloys for mid-infrared laser applications. Solid-State Electronics, 2007, 51, 6-15.	1.4	53
157	Thermal annealing effect on GaNAs epilayers with different nitrogen compositions grown by MOCVD. Journal of Crystal Growth, 2007, 307, 229-234.	1.5	6
158	Study of InAs/GaAs quantum dots grown by MOVPE under the safer growth conditions. Journal of Nanoparticle Research, 2007, 9, 877-884.	1.9	2
159	MOVPE growth of AlxIn1â^'xP using tertiarybutylphosphine in pure N2 ambient. Thin Solid Films, 2007, 515, 4454-4458.	1.8	2
160	MOVPE growth of InAs quantum dots for mid-IR applications. Transactions of Nonferrous Metals Society of China, 2006, 16, s25-s28.	4.2	0
161	Mid-Infrared Emission From InAs Quantum Dots Grown by Metalâ€“Organic Vapor Phase Epitaxy. IEEE Nanotechnology Magazine, 2006, 5, 683-686.	2.0	3
162	Formation of mid-infrared emissive InAs quantum dots on a graded InxGa1â^'xAs/InP matrix with a more uniform size and higher density under safer growth conditions. Nanotechnology, 2006, 17, 1646-1650.	2.6	5

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163	Argon-plasma-induced InAs/InGaAs/InP quantum dot intermixing. Nanotechnology, 2006, 17, 4664-4667.	2.6	5
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