Xiao Huang

List of Articles by Year in descending order

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158 peer-reviewed articles	20,026 peer-reviewed citations	23760 58 peer-reviewed h-index	39353 7.07 score
161 documents	21501 doc citations	29798 59 h-index	40326 citing authors

#	Article	IF	Citations
1	Creation of Gradient Porous Structure and Surface Wettability Engineering of Boron Nanosheet–Silver Nanoparticle Hydrogel for Multifunctional Solar-Driven Water Management. , 2025, 7, 845-853.		4
2	Controllable Growth of MoS₂ Nanospirals by Using Sodium Dodecyl Sulfate as a Seeding Promoter for Photodetection Devices. ACS Applied Nano Materials, 2025, 8, 16134-16147.	4.1	0
3	Vertically-grown Ag nanoplates on SeZnO3 nanosheets for an enhanced pressure sensing performance. Sensors & Diagnostics, 2024, 3, 269-273.	3.7	1
4	Metal chalcogenide nanorings for temperature–strain dual-mode sensing. Nanoscale, 2024, 16, 3484-3491.	3.6	5
5	Heterointerface engineering of layered double hydroxide/MAPbBr3 heterostructures enabling tunable synapse behaviors in a two-terminal optoelectronic device. Nanoscale Horizons, 2024, 9, 1023-1029.	4.1	6
6	Growth of millimeter-sized 2D metal iodide crystals induced by ion-specific preference at water-air interfaces. Nature Communications, 2024, 15, .	10.8	25
7	Liquid-phase controlled synthesis of Sb-derived heterostructures. Applied Surface Science, 2024, 663, 160158.	5.1	0
8	Boron/MXene Hollow Spheres for Humidity Sensing and Respiration Monitoring. ACS Applied Nano Materials, 2024, 7, 10797-10804.	4.1	11
9	Facile synthesis of Cu-based catalysts from Cu3Si and their catalysis properties study. Chemical Communications, 2024, 60, 6905-6908.	2.4	1
10	Centrifugal Force-Assisted Preparation of Closely Packed Transition Metal Dichalcogenide Nanoscrolls for Enhanced Optoelectronic Performance. ACS Applied Nano Materials, 2024, 7, 18801-18810.	4.1	6
11	Spatial Control of the Hole Accumulation Zone for Hole-Dominated Perovskite Light-Emitting Diodes by Inserting a CsAc Layer. ACS Applied Materials & Interfaces, 2023, 15, 7044-7052.	5.5	14
12	A comparative study of H2 sensing performance of stoichiometric polymorphs of titanium carbide MXenes loaded with Pd nanodots. Physical Chemistry Chemical Physics, 2023, 25, 16438-16445.	2.0	11
13	Highly Sensitive Temperature Detection Based on a Frost- and Dehydration-Resistive Ion-Doped Hydrogel-MXene Composite. ACS Applied Materials & Interfaces, 2023, 15, 35525-35533.	5.5	21
14	Surface-functionalized boron nanosheets and their assembled suprastructures with unprecedented proton-transport properties. Chemical Communications, 2023, 59, 9730-9733.	2.4	2
15	Deep learning-assisted analysis of HRTEM images of crystalline nanoparticles. Nanoscale, 2023, 15, 14496-14504.	3.6	9
16	Recent Progress on Phase Engineering of Nanomaterials. Chemical Reviews, 2023, 123, 13489-13692.	42.5	34
17	Enabling High-Performance Pressure and Proximity Dual-Mode Sensing with EGaIn/Ag/ZnO Egg-Shell Ternary Composite Particles. ACS Applied Materials & Interfaces, 2023, 15, 58623-58630.	5.5	7
18	Recent Progress on Phase Engineering of Nanomaterials. Chemical Reviews, 2023, 123, 13489-13692.	42.5	146

#	Article	IF	Citations
19	Single- and few-layer 2H-SnS2 and 4H-SnS2 nanosheets for high-performance photodetection. Chinese Chemical Letters, 2022, 33, 2611-2616.	5.0	14
20	Fabrication of Two-Dimensional Metal–Organic Framework Nanosheets through Crystal Dissolution–Growth Kinetics. ACS Applied Materials & Interfaces, 2022, 14, 7192-7199.	5.5	30
21	Ligand-assisted deposition of ultra-small Au nanodots on Fe2O3/reduced graphene oxide for flexible gas sensors. Nanoscale Advances, 2022, 4, 1345-1350.	4.0	18
22	Confining Carboxylized Carbon Nanotube for Phosphorescence Afterglow with Optical Memory Plasticity. Advanced Optical Materials, 2022, 10, .	4.7	9
23	Continuous synthesis of extremely small-sized iron oxide nanoparticles used for T1-weighted magnetic resonance imaging via a fluidic reactor. Science China Materials, 2022, 65, 1646-1654.	5.1	21
24	Solvent-Free Preparation of Closely Packed MoS2 Nanoscrolls for Improved Photosensitivity. ACS Applied Materials & Interfaces, 2022, 14, 9515-9524.	5.5	27
25	Endowing matrix-free carbon dots with color-tunable ultralong phosphorescence by self-doping. Chemical Science, 2022, 13, 4406-4412.	5.3	112
26	Scalable synthesis of hydroxyl-functionalized boron nanosheets for high ion-conductive solid-state electrolyte applications. Chemical Communications, 2022, 58, 5586-5589.	2.4	3
27	Partial Exchange between Inorganic and Organic Anions in MgAl Layered Double Hydroxide Nanosheets for Humidity Sensing. ACS Applied Nano Materials, 2022, 5, 4991-4997.	4.1	14
28	Deposition of Vertically Aligned Ag/Ag2S Nanoflakes on EGaIn Particles for Humidity Sensing. Chemistry - A European Journal, 2022, 28, .	2.4	10
29	Revealing the crystal phases of primary particles formed during the coprecipitation of iron oxides. Chemical Communications, 2022, 58, 5749-5752.	2.4	16
30	Stimulating and Manipulating Robust Circularly Polarized Photoluminescence in Achiral Hybrid Perovskites. Nano Letters, 2022, 22, 3961-3968.	6.2	33
31	Direct Synthesis of MoS2 Nanosheets in Reduced Graphene Oxide Nanoscroll for Enhanced Photodetection. Nanomaterials, 2022, 12, 1581.	3.0	11
32	Promoting optoelectronic properties of Cs2AgBiBr6 nanocrystals by formation of heterostructures with BiOCl nanosheets. Chemical Communications, 2022, 58, 7765-7768.	2.4	5
33	Realization of Oriented and Nanoporous Bismuth Chalcogenide Layers via Topochemical Heteroepitaxy for Flexible Gas Sensors. Research, 2022, 2022, .	6.5	5
34	Room-temperature epitaxial welding of 3D and 2D perovskites. Nature Materials, 2022, 21, 1042-1049.	23.7	83
35	Decorating MoS2 Nanoscrolls with Solution-Processed PbI2 Nanocrystals for Improved Photosensitivity. ACS Applied Nano Materials, 2022, 5, 15892-15901.	4.1	11
36	One-step synthesis of epitaxial 3D/2D metal halide perovskite heterostructures. Chemical Communications, 2022, 58, 13775-13778.	2.4	6

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37	Simultaneously Detecting Monoamine Oxidase A and B in Disease Cell/Tissue Samples Using Paper-Based Devices. ACS Applied Bio Materials, 2021, 4, 1395-1402.	3.8	15
38	Rapid inactivation of multidrug-resistant bacteria and enhancement of osteoinduction via titania nanotubes grafted with polyguanidines. Journal of Materials Science and Technology, 2021, 69, 188-199.	12.3	44
39	Preparation and applications of freestanding Janus nanosheets. Nanoscale, 2021, 13, 15151-15176.	3.6	34
40	A solvent decomposition and explosion approach for boron nanoplate synthesis. Chemical Communications, 2021, 57, 4922-4925.	2.4	6
41	Core@shell and lateral heterostructures composed of SnS and NbS2. Nanoscale, 2021, 13, 5489-5496.	3.6	8
42	Heterostructures between a tin-based intermetallic compound and a layered semiconductor for gas sensing. Chemical Communications, 2021, 57, 5590-5593.	2.4	10
43	Ti3C2TX MXene for Sensing Applications: Recent Progress, Design Principles, and Future Perspectives. ACS Nano, 2021, 15, 3996-4017.	11.5	798
44	Direct Observation of the Light-Induced Exfoliation of Molybdenum Disulfide Sheets in Water Medium. ACS Nano, 2021, 15, 5661-5670.	11.5	32
45	Recent Development of Gas Sensing Platforms Based on 2D Atomic Crystals. Research, 2021, 2021, .	6.5	67
46	Direct CVD growth of MoS2 on chemically and thermally reduced graphene oxide nanosheets for improved photoresponse. APL Materials, 2021, 9, .	2.8	12
47	Hydrogel-based composites: Unlimited platforms for biosensors and diagnostics. View, 2021, 2, .	5.7	66
48	Spatially Controlled Preparation of Layered Metallic–Semiconducting Metal Chalcogenide Heterostructures. ACS Nano, 2021, 15, 12171-12179.	11.5	18
49	Synthesis of Thin Bi9O7.5S6 Nanosheets for Improved Photodetection in a Wide Wavelength Range. Chemistry - an Asian Journal, 2021, 16, 3748-3753.	2.1	4
50	Wrapping Plasmonic Silver Nanoparticles inside One-Dimensional Nanoscrolls of Transition-Metal Dichalcogenides for Enhanced Photoresponse. Inorganic Chemistry, 2021, 60, 4226-4235.	3.4	32
51	Modulating the plasmon-mediated silver oxidation using thiophenol molecules as monitored by in situ SERS spectroscopy. Physical Chemistry Chemical Physics, 2021, 23, 26385-26391.	2.0	5
52	Silicon acid batteries enabled by a copper catalysed electrochemo-mechanical process. Energy and Environmental Science, 2021, 14, 6672-6677.	22.1	5
53	Single-molecule mapping of catalytic reactions on heterostructures. Nano Today, 2020, 34, 100957.	7.3	16
54	Treatment-dependent surface chemistry and gas sensing behavior of the thinnest member of titanium carbide MXenes. Nanoscale, 2020, 12, 16987-16994.	3.6	73

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55	Anion-dependent topochemical conversion of CoAl-LDH microplates to hierarchical superstructures of CoOOH nanoplates with controllable orientation. Chemical Communications, 2020, 56, 10285-10288.	2.4	23
56	A general ink formulation of 2D crystals for wafer-scale inkjet printing. Science Advances, 2020, 6, .	8.1	159
57	Plasmon-generated hot holes for chemical reactions. Nano Research, 2020, 13, 3183-3197.	6.7	80
58	Modulating the Plasmon-Mediated Oxidation of p-Aminothiophenol with Asymmetrically Grafted Thiol Molecules. Journal of Physical Chemistry Letters, 2020, 11, 7650-7656.	2.9	29
59	Achieving Ultrasmall Prussian Blue Nanoparticles as High-Performance Biomedical Agents with Multifunctions. ACS Applied Materials & Interfaces, 2020, 12, 57382-57390.	5.5	105
60	Crack Formation on Crystalline Bismuth Oxychloride Thin Square Sheets by Using a Wet-Chemical Method. ChemNanoMat, 2020, 6, 759-764.	1.7	9
61	Stable One-Dimensional Single Crystalline Black Phosphorus Nanowires for Gas Sensing. ACS Applied Nano Materials, 2020, 3, 3402-3409.	4.1	14
62	Ag@MoS2 Core–Shell Heterostructure as SERS Platform to Reveal the Hydrogen Evolution Active Sites of Single-Layer MoS2. Journal of the American Chemical Society, 2020, 142, 7161-7167.	11.7	284
63	Machine-intelligent inkjet-printed α-Fe2O3/rGO towards NO2 quantification in ambient humidity. Sensors and Actuators B: Chemical, 2020, 321, 128446.	6.3	38
64	Recent developments of flexible and transparent SERS substrates. Journal of Materials Chemistry C, 2020, 8, 3956-3969.	3.6	196
65	Printed gas sensors. Chemical Society Reviews, 2020, 49, 1756-1789.	32.1	381
66	Solution-Processed p-SnSe/n-SnSe2 Hetero-Structure Layers for Ultrasensitive NO2 Detection. Chemistry - A European Journal, 2020, 26, 3870-3876.	2.4	70
67	Imparting Boron Nanosheets with Ambient Stability through Methyl Group Functionalization for Mechanistic Investigation of Their Lithiation Process. ACS Applied Materials & Interfaces, 2020, 12, 23370-23377.	5.5	17
68	Scrolling bilayer WS2/MoS2 heterostructures for high-performance photo-detection. Nano Research, 2020, 13, 959-966.	6.7	71
69	Gold nanospirals on colloidal gold nanoparticles. Journal of Colloid and Interface Science, 2019, 533, 304-310.	7.9	8
70	Mussel-Inspired Hydrogel with Potent in Vivo Contact-Active Antimicrobial and Wound Healing Promoting Activities. ACS Applied Bio Materials, 2019, 2, 3329-3340.	3.8	70
71	Surface Anionization of Self-Assembled Iron Sulfide Hierarchitectures to Enhance Capacitive Storage for Alkaline-Metal-Ion Batteries. ACS Applied Materials & Interfaces, 2019, 11, 39991-39997.	5.5	29
72	Achieving High Volumetric Lithium Storage Capacity in Compact Carbon Materials with Controllable Nitrogen Doping. Advanced Functional Materials, 2019, 29, .	11.9	55

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73	Silver Nanowire-Templated Molecular Nanopatterning and Nanoparticle Assembly for Surface-Enhanced Raman Scattering. Chemistry - A European Journal, 2019, 25, 10561-10565.	2.4	15
74	Design and Synthesis of Biocompatible, Hemocompatible, and Highly Selective Antimicrobial Cationic Peptidopolysaccharides via Click Chemistry. Biomacromolecules, 2019, 20, 2230-2240.	3.8	90
75	Sequential Ligand Exchange of Coordination Polymers Hybridized with In Situ Grown and Aligned Au Nanowires for Rapid and Selective Gas Sensing. ACS Applied Materials & Interfaces, 2019, 11, 13624-13631.	5.5	23
76	Nitrogen Boosts Defective Vanadium Oxide from Semiconducting to Metallic Merit. Small, 2019, 15, .	7.3	22
77	Synthesis of 42-faceted bismuth vanadate microcrystals for enhanced photocatalytic activity. Journal of Colloid and Interface Science, 2019, 542, 207-212.	7.9	33
78	Magnetic internal heating-induced high performance Prussian blue nanoparticle preparation and excellent catalytic activity. Dalton Transactions, 2019, 48, 17169-17173.	2.3	22
79	A transparent paper-based platform for multiplexed bioassays by wavelength-dependent absorbance/transmittance. Analyst, The, 2019, 144, 7157-7161.	2.6	18
80	Coaxial-cable hierarchical tubular MnO_2@Fe_3O_4	1.9	8
81	Bilayer nanocarbon heterojunction for full-solution processed flexible all-carbon visible photodetector. APL Materials, 2019, 7, .	2.8	5
82	Spatially Controlled Two-dimensional Heterostructures <i>via</i> Solution-phase Growth. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2019, 35, 1099-1111.	7.3	9
83	Ru nanodendrites composed of ultrathin fcc/hcp nanoblades for the hydrogen evolution reaction in alkaline solutions. Chemical Communications, 2018, 54, 4613-4616.	2.4	71
84	Dual-Function Metal–Organic Framework-Based Wearable Fibers for Gas Probing and Energy Storage. ACS Applied Materials & Interfaces, 2018, 10, 2837-2842.	5.5	90
85	Wafer-Scale Ultrathin Two-Dimensional Conjugated Microporous Polymers: Preparation and Application in Heterostructure Devices. ACS Applied Materials & Interfaces, 2018, 10, 4010-4017.	5.5	27
86	Transforming Monolayer Transition-Metal Dichalcogenide Nanosheets into One-Dimensional Nanoscrolls with High Photosensitivity. ACS Applied Materials & Interfaces, 2018, 10, 13011-13018.	5.5	69
87	High phase-purity 1T'-MoS2- and 1T'-MoSe2-layered crystals. Nature Chemistry, 2018, 10, 638-643.	15.5	1,042
88	Paper-Based Fluorogenic Device for Detection of Copper Ions in a Biological System. ACS Applied Bio Materials, 2018, 1, 1523-1529.	3.8	18
89	Realization of vertical metal semiconductor heterostructures via solution phase epitaxy. Nature Communications, 2018, 9, .	10.8	62
90	Crystal phase control in two-dimensional materials. Science China Chemistry, 2018, 61, 1227-1242.	6.2	50

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91	Metal halide perovskites: stability and sensing-ability. Journal of Materials Chemistry C, 2018, 6, 10121-10137.	3.6	196
92	Two-dimensional light-emitting materials: preparation, properties and applications. Chemical Society Reviews, 2018, 47, 6128-6174.	32.1	246
93	A flexible SERS-active film for studying the effect of non-metallic nanostructures on Raman enhancement. Nanoscale, 2018, 10, 16895-16901.	3.6	29
94	In situ hybridization of an MXene/TiO2/NiFeCo-layered double hydroxide composite for electrochemical and photoelectrochemical oxygen evolution. RSC Advances, 2018, 8, 20576-20584.	4.0	105
95	The influence of two-dimensional organic adlayer thickness on the ultralow frequency Raman spectra of transition metal dichalcogenide nanosheets. Science China Materials, 2018, 62, 181-193.	5.1	6
96	Unconventional solution-phase epitaxial growth of organic-inorganic hybrid perovskite nanocrystals on metal sulfide nanosheets. Science China Materials, 2018, 62, 43-53.	5.1	24
97	Probing interlayer interactions in WSe2-graphene heterostructures by ultralow-frequency Raman spectroscopy. Frontiers of Physics, 2018, 14, .	3.6	18
98	Ultrathin and large-sized vanadium oxide nanosheets mildly prepared at room temperature for high performance fiber-based supercapacitors. Journal of Materials Chemistry A, 2017, 5, 2483-2487.	6.7	72
99	Orientation controlled preparation of nanoporous carbon nitride fibers and related composite for gas sensing under ambient conditions. Nano Research, 2017, 10, 1710-1719.	6.7	39
100	Surface-controlled preparation of EuWO4(OH) nanobelts and their hybrid with Au nanoparticles as a novel enzyme-free sensing platform towards hydrogen peroxide. Chemical Communications, 2017, 53, 5063-5066.	2.4	4
101	Interdiffusion Reaction-Assisted Hybridization of Two-Dimensional Metal–Organic Frameworks and Ti3C2Tx Nanosheets for Electrocatalytic Oxygen Evolution. ACS Nano, 2017, 11, 5800-5807.	11.5	757
102	Scrolling up graphene oxide nanosheets assisted by self-assembled monolayers of alkanethiols. Nanoscale, 2017, 9, 9997-10001.	3.6	17
103	Optical thickness identification of transition metal dichalcogenide nanosheets on transparent substrates. Nanotechnology, 2017, 28, 164001.	1.9	23
104	Composition- and phase-controlled synthesis and applications of alloyed phase heterostructures of transition metal disulphides. Nanoscale, 2017, 9, 5102-5109.	3.6	76
105	Graphene Oxide Scroll Meshes Prepared by Molecular Combing for Transparent and Flexible Electrodes. Advanced Materials Technologies, 2017, 2, .	4.1	15
106	Self-Templated Formation of Uniform F-CuO Hollow Octahedra for Lithium Ion Batteries. Small, 2017, 13, .	7.3	36
107	Synthesis of WOn-WX2 (n=2.7, 2.9; X=S, Se) Heterostructures for Highly Efficient Green Quantum Dot Light-Emitting Diodes. Angewandte Chemie, 2017, 129, 10622-10626.	0.9	7
108	Synthesis of WOn-WX2 (n=2.7, 2.9; X=S, Se) Heterostructures for Highly Efficient Green Quantum Dot Light-Emitting Diodes. Angewandte Chemie - International Edition, 2017, 56, 10486-10490.	11.6	25

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109	Fully Solution-Processed Transparent Nonvolatile and Volatile Multifunctional Memory Devices from Conductive Polymer and Graphene Oxide. Advanced Electronic Materials, 2017, 3, .	3.8	34
110	Two-dimensional transition metal dichalcogenide nanomaterials for biosensing applications. Materials Chemistry Frontiers, 2017, 1, 24-36.	5.9	215
111	Weavable, High-Performance, Solid-State Supercapacitors Based on Hybrid Fibers Made of Sandwiched Structure of MWCNT/rGO/MWCNT. Advanced Electronic Materials, 2016, 2, .	3.8	54
112	Preparation of Cobalt Sulfide Nanoparticle-Decorated Nitrogen and Sulfur Co-Doped Reduced Graphene Oxide Aerogel Used as a Highly Efficient Electrocatalyst for Oxygen Reduction Reaction. Small, 2016, 12, 5920-5926.	7.3	70
113	Recent progress of silicon composites as anode materials for secondary batteries. RSC Advances, 2016, 6, 87778-87790.	4.0	75
114	Submonolayered Ru Deposited on Ultrathin Pd Nanosheets used for Enhanced Catalytic Applications. Advanced Materials, 2016, 28, 10282-10286.	17.5	169
115	Synthesis of 4H/fcc Noble Multimetallic Nanoribbons for Electrocatalytic Hydrogen Evolution Reaction. Journal of the American Chemical Society, 2016, 138, 1414-1419.	11.7	218
116	Self-Assembled Chiral Nanofibers from Ultrathin Low-Dimensional Nanomaterials. Journal of the American Chemical Society, 2015, 137, 1565-1571.	11.7	132
117	Synthesis of Ultrathin Face-Centered-Cubic Au@Pt and Au@Pd Core–Shell Nanoplates from Hexagonal-Close-Packed Au Square Sheets. Angewandte Chemie - International Edition, 2015, 54, 5672-5676.	11.6	122
118	Electrochemical doping of three-dimensional graphene networks used as efficient electrocatalysts for oxygen reduction reaction. Nanoscale, 2015, 7, 9394-9398.	3.6	53
119	Two-dimensional synthetic templates. National Science Review, 2015, 2, 19-21.	6.9	9
120	Liquid-Phase Epitaxial Growth of Two-Dimensional Semiconductor Hetero-nanostructures. Angewandte Chemie - International Edition, 2015, 54, 1841-1845.	11.6	102
121	Preparation and Applications of Two-Dimensional Crystals Based on Organic or Metal-Organic Materials. Acta Chimica Sinica, 2015, 73, 913.	1.2	7
122	Single-Layer Transition Metal Dichalcogenide Nanosheet-Assisted Assembly of Aggregation-Induced Emission Molecules to Form Organic Nanosheets with Enhanced Fluorescence. Advanced Materials, 2014, 26, 1735-1739.	17.5	83
123	Two-Dimensional CuSe Nanosheets with Microscale Lateral Size: Synthesis and Template-Assisted Phase Transformation. Angewandte Chemie - International Edition, 2014, 53, 5083-5087.	11.6	145
124	Carbon Microbelt Aerogel Prepared by Waste Paper: An Efficient and Recyclable Sorbent for Oils and Organic Solvents. Small, 2014, 10, 3544-3550.	7.3	217
125	A Universal, Rapid Method for Clean Transfer of Nanostructures onto Various Substrates. ACS Nano, 2014, 8, 6563-6570.	11.5	218
126	A Universal Method for Preparation of Noble Metal Nanoparticle-Decorated Transition Metal Dichalcogenide Nanobelts. Advanced Materials, 2014, 26, 6250-6254.	17.5	77

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127	Copper-Based Ternary and Quaternary Semiconductor Nanoplates: Templated Synthesis, Characterization, and Photoelectrochemical Properties. Angewandte Chemie - International Edition, 2014, 53, 8929-8933.	11.6	128
128	Smart responsive phosphorescent materials for data recording and security protection. Nature Communications, 2014, 5, .	10.8	792
129	Liquid-phase growth of platinum nanoparticles on molybdenum trioxide nanosheets: an enhanced catalyst with intrinsic peroxidase-like catalytic activity. Nanoscale, 2014, 6, 12340-12344.	3.6	92
130	Carbon Fiber Aerogel Made from Raw Cotton: A Novel, Efficient and Recyclable Sorbent for Oils and Organic Solvents. Advanced Materials, 2013, 25, 5916-5921.	17.5	658
131	Rapid and Reliable Thickness Identification of Two-Dimensional Nanosheets Using Optical Microscopy. ACS Nano, 2013, 7, 10344-10353.	11.5	430
132	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.	3.6	183
133	Synthesis of Few-Layer MoS2 Nanosheet-Coated TiO2 Nanobelt Heterostructures for Enhanced Photocatalytic Activities. Small, 2013, 9, 140-147.	7.3	1,248
134	Synthesis and applications of graphene-based noble metal nanostructures. Materials Today, 2013, 16, 29-36.	12.6	278
135	Noncovalent Functionalization of Graphene Attaching [6,6]-Phenyl-C61-butyric Acid Methyl Ester (PCBM) and Application as Electron Extraction Layer of Polymer Solar Cells. ACS Nano, 2013, 7, 4070-4081.	11.5	154
136	Scalable Solid-Template Reduction for Designed Reduced Graphene Oxide Architectures. ACS Applied Materials & Interfaces, 2013, 5, 7676-7681.	5.5	12
137	Surfactant-Free Sub-2 nm Ultrathin Triangular Gold Nanoframes. Small, 2013, 9, 2880-2886.	7.3	67
138	A general method for the large-scale synthesis of uniform ultrathin metal sulphide nanocrystals. Nature Communications, 2012, 3, .	10.8	405
139	Real-time DNA detection using Pt nanoparticle-decorated reduced graphene oxide field-effect transistors. Nanoscale, 2012, 4, 293-297.	3.6	191
140	An Effective Method for the Fabrication of Few-Layer-Thick Inorganic Nanosheets. Angewandte Chemie - International Edition, 2012, 51, 9052-9056.	11.6	584
141	Chemoselective Photodeoxidization of Graphene Oxide Using Sterically Hindered Amines as Catalyst: Synthesis and Applications. ACS Nano, 2012, 6, 3027-3033.	11.5	83
142	Synthesis of Fe3O4 and Pt nanoparticles on reduced graphene oxide and their use as a recyclable catalyst. Nanoscale, 2012, 4, 2478.	3.6	136
143	Fabrication of Single- and Multilayer MoS2 Film-Based Field-Effect Transistors for Sensing NO at Room Temperature. Small, 2012, 8, 63-67.	7.3	1,497
144	Fabrication of Flexible MoS2 Thin-Film Transistor Arrays for Practical Gas-Sensing Applications. Small, 2012, 8, 2994-2999.	7.3	905

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145	Fabrication of Graphene Nanomesh by Using an Anodic Aluminum Oxide Membrane as a Template. Advanced Materials, 2012, 24, 4138-4142.	17.5	191
146	Preparation of Novel 3D Graphene Networks for Supercapacitor Applications. Small, 2011, 7, 3163-3168.	7.3	1,038
147	Single-Layer Semiconducting Nanosheets: High-Yield Preparation and Device Fabrication. Angewandte Chemie - International Edition, 2011, 50, 11093-11097.	11.6	1,693
148	Polyphenylene Dendrimer-Templated In Situ Construction of Inorganic–Organic Hybrid Rice-Shaped Architectures. Advanced Functional Materials, 2010, 20, 43-49.	11.9	33
149	Surface-Induced Synthesis and Self-Assembly of Metal Suprastructures. Small, 2010, 6, 2708-2715.	7.3	12
150	Electrochemical Deposition of ZnO Nanorods on Transparent Reduced Graphene Oxide Electrodes for Hybrid Solar Cells. Small, 2010, 6, 307-312.	7.3	647
151	Generation of Dual Patterns of Metal Oxide Nanomaterials Based on Seed-Mediated Selective Growth. Langmuir, 2010, 26, 4616-4619.	3.0	12
152	Electrochemical deposition of Pt nanoparticles on carbon nanotube patterns for glucose detection. Analyst, The, 2010, 135, 1726.	2.6	50
153	Organic Photovoltaic Devices Using Highly Flexible Reduced Graphene Oxide Films as Transparent Electrodes. ACS Nano, 2010, 4, 5263-5268.	11.5	591
154	Facile “Needle-Scratching” Method for Fast Catalyst Patterns Used for Large-Scale Growth of Densely Aligned Single-Walled Carbon-Nanotube Arrays. Small, 2009, 5, 2061-2065.	7.3	26
155	In Situ Synthesis of Metal Nanoparticles on Single-Layer Graphene Oxide and Reduced Graphene Oxide Surfaces. Journal of Physical Chemistry C, 2009, 113, 10842-10846.	2.3	742
156	Parametric verification of one-way lithographic wicks. Lab on A Chip, 2009, 9, 1667.	4.0	5
157	Inherent-opening-controlled pattern formation in carbon nanotube arrays. Nanotechnology, 2007, 18, 305301.	1.9	14
158	An Artificial Neuromorphic Opto-Gas Synergistic Device Based on a Two-Dimensional Perovskite Oxide for Acid Rain Warning. Small, 0, , .	7.3	1