

# Hua Zhang

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	The chemistry of two-dimensional layered transition metal dichalcogenide nanosheets. <i>Nature Chemistry</i> , 2013, 5, 263-275.	13.6	8,051
2	Recent Advances in Ultrathin Two-Dimensional Nanomaterials. <i>Chemical Reviews</i> , 2017, 117, 6225-6331.	47.7	3,940
3	Graphene-based composites. <i>Chemical Society Reviews</i> , 2012, 41, 666-686.	38.1	3,513
4	Single-Layer MoS <sub>2</sub> Phototransistors. <i>ACS Nano</i> , 2012, 6, 74-80.	14.6	3,103
5	Graphene-Based Materials: Synthesis, Characterization, Properties, and Applications. <i>Small</i> , 2011, 7, 1876-1902.	10.0	2,239
6	Imparting functionality to a metal-organic framework material by controlled nanoparticle encapsulation. <i>Nature Chemistry</i> , 2012, 4, 310-316.	13.6	1,857
7	Metal dichalcogenide nanosheets: preparation, properties and applications. <i>Chemical Society Reviews</i> , 2013, 42, 1934.	38.1	1,809
8	Growth of Large-Area and Highly Crystalline MoS <sub>2</sub> Thin Layers on Insulating Substrates. <i>Nano Letters</i> , 2012, 12, 1538-1544.	9.1	1,749
9	Ultrathin Two-Dimensional Nanomaterials. <i>ACS Nano</i> , 2015, 9, 9451-9469.	14.6	1,726
10	Single-Layer Semiconducting Nanosheets: High-Yield Preparation and Device Fabrication. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11093-11097.	13.8	1,517
11	3D Graphene-Cobalt Oxide Electrode for High-Performance Supercapacitor and Enzymeless Glucose Detection. <i>ACS Nano</i> , 2012, 6, 3206-3213.	14.6	1,510
12	Two-dimensional transition metal dichalcogenide nanosheet-based composites. <i>Chemical Society Reviews</i> , 2015, 44, 2713-2731.	38.1	1,405
13	Preparation and Applications of Mechanically Exfoliated Single-Layer and Multilayer MoS <sub>2</sub> and WSe <sub>2</sub> Nanosheets. <i>Accounts of Chemical Research</i> , 2014, 47, 1067-1075.	15.6	1,374
14	Fabrication of Single- and Multilayer MoS <sub>2</sub> Film-Based Field-Effect Transistors for Sensing NO at Room Temperature. <i>Small</i> , 2012, 8, 63-67.	10.0	1,346
15	2D Transition-Metal-Dichalcogenide-Nanosheet-Based Composites for Photocatalytic and Electrocatalytic Hydrogen Evolution Reactions. <i>Advanced Materials</i> , 2016, 28, 1917-1933.	21.0	1,214
16	Synthesis of Few-Layer MoS <sub>2</sub> Nanosheet-Coated TiO <sub>2</sub> Nanobelt Heterostructures for Enhanced Photocatalytic Activities. <i>Small</i> , 2013, 9, 140-147.	10.0	1,166
17	Single-Layer MoS <sub>2</sub> -Based Nanoprobes for Homogeneous Detection of Biomolecules. <i>Journal of the American Chemical Society</i> , 2013, 135, 5998-6001.	13.7	995
18	Preparation of Novel 3D Graphene Networks for Supercapacitor Applications. <i>Small</i> , 2011, 7, 3163-3168.	10.0	980

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19	Ultrathin 2D Metal-Organic Framework Nanosheets. <i>Advanced Materials</i> , 2015, 27, 7372-7378.	21.0	943
20	Ni <sub>3</sub> S <sub>2</sub> nanorods/Ni foam composite electrode with low overpotential for electrocatalytic oxygen evolution. <i>Energy and Environmental Science</i> , 2013, 6, 2921.	30.8	939
21	The Evolution of Dipen Nanolithography. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 30-45.	13.8	877
22	Hybrid micro-/nano-structures derived from metal-organic frameworks: preparation and applications in energy storage and conversion. <i>Chemical Society Reviews</i> , 2017, 46, 2660-2677.	38.1	866
23	Graphene-Based Electrodes. <i>Advanced Materials</i> , 2012, 24, 5979-6004.	21.0	829
24	Fabrication of Flexible MoS <sub>2</sub> Thin-Film Transistor Arrays for Practical Gas Sensing Applications. <i>Small</i> , 2012, 8, 2994-2999.	10.0	817
25	Two-dimensional graphene analogues for biomedical applications. <i>Chemical Society Reviews</i> , 2015, 44, 2681-2701.	38.1	786
26	Three-dimensional graphene materials: preparation, structures and application in supercapacitors. <i>Energy and Environmental Science</i> , 2014, 7, 1850-1865.	30.8	773
27	Solution-phase epitaxial growth of noble metal nanostructures on dispersible single-layer molybdenum disulfide nanosheets. <i>Nature Communications</i> , 2013, 4, 1444.	12.8	756
28	Three-Dimensional Graphene Foam Supported Fe <sub>3</sub> O <sub>4</sub> Lithium Battery Anodes with Long Cycle Life and High Rate Capability. <i>Nano Letters</i> , 2013, 13, 6136-6143.	9.1	738
29	Recent Development of Advanced Materials with Special Wettability for Selective Oil/Water Separation. <i>Small</i> , 2016, 12, 2186-2202.	10.0	719
30	In Situ Synthesis of Metal Nanoparticles on Single-Layer Graphene Oxide and Reduced Graphene Oxide Surfaces. <i>Journal of Physical Chemistry C</i> , 2009, 113, 10842-10846.	3.1	702
31	Two-dimensional transition metal dichalcogenide (TMD) nanosheets. <i>Chemical Society Reviews</i> , 2015, 44, 2584-2586.	38.1	699
32	Graphene-based electronic sensors. <i>Chemical Science</i> , 2012, 3, 1764.	7.4	663
33	Graphene and Graphene-Based Materials for Energy Storage Applications. <i>Small</i> , 2014, 10, 3480-3498.	10.0	653
34	Direct Electrochemical Reduction of Single-Layer Graphene Oxide and Subsequent Functionalization with Glucose Oxidase. <i>Journal of Physical Chemistry C</i> , 2009, 113, 14071-14075.	3.1	636
35	Electrochemical Deposition of ZnO Nanorods on Transparent Reduced Graphene Oxide Electrodes for Hybrid Solar Cells. <i>Small</i> , 2010, 6, 307-312.	10.0	626
36	Carbon Fiber Aerogel Made from Raw Cotton: A Novel, Efficient and Recyclable Sorbent for Oils and Organic Solvents. <i>Advanced Materials</i> , 2013, 25, 5916-5921.	21.0	600

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37	Nitrogen and Sulfur Codoped Graphene: Multifunctional Electrode Materials for High-Performance Li-Ion Batteries and Oxygen Reduction Reaction. <i>Advanced Materials</i> , 2014, 26, 6186-6192.	21.0	598
38	Black Phosphorus Quantum Dots. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 3653-3657.	13.8	594
39	Synthesis of Two-Dimensional CoS <sub>1.097</sub> /Nitrogen-Doped Carbon Nanocomposites Using Metal-Organic Framework Nanosheets as Precursors for Supercapacitor Application. <i>Journal of the American Chemical Society</i> , 2016, 138, 6924-6927.	13.7	591
40	One-Pot Synthesis of CdS Nanocrystals Hybridized with Single-Layer Transition-Metal Dichalcogenide Nanosheets for Efficient Photocatalytic Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 1210-1214.	13.8	584
41	25th Anniversary Article: Hybrid Nanostructures Based on Two-Dimensional Nanomaterials. <i>Advanced Materials</i> , 2014, 26, 2185-2204.	21.0	579
42	Interlayer Breathing and Shear Modes in Few-Trilayer MoS <sub>2</sub> and WSe <sub>2</sub> . <i>Nano Letters</i> , 2013, 13, 1007-1015.	9.1	576
43	Centimeter-Long and Large-Scale Micropatterns of Reduced Graphene Oxide Films: Fabrication and Sensing Applications. <i>ACS Nano</i> , 2010, 4, 3201-3208.	14.6	571
44	Organic Photovoltaic Devices Using Highly Flexible Reduced Graphene Oxide Films as Transparent Electrodes. <i>ACS Nano</i> , 2010, 4, 5263-5268.	14.6	566
45	Solution-Processed Two-Dimensional MoS <sub>2</sub> Nanosheets: Preparation, Hybridization, and Applications. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 8816-8838.	13.8	557
46	Interdiffusion Reaction-Assisted Hybridization of Two-Dimensional Metal-Organic Frameworks and Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> Nanosheets for Electrocatalytic Oxygen Evolution. <i>ACS Nano</i> , 2017, 11, 5800-5807.	14.6	557
47	One-step synthesis of Ni <sub>3</sub> S <sub>2</sub> nanorod@Ni(OH) <sub>2</sub> nanosheet core-shell nanostructures on a three-dimensional graphene network for high-performance supercapacitors. <i>Energy and Environmental Science</i> , 2013, 6, 2216-2221.	30.8	554
48	Mechanical Exfoliation and Characterization of Single- and Few-Layer Nanosheets of WSe <sub>2</sub> , TaS <sub>2</sub> , and TaSe <sub>2</sub> . <i>Small</i> , 2013, 9, 1974-1981.	10.0	544
49	Preparation of MoS <sub>2</sub> -Coated Three-Dimensional Graphene Networks for High-Performance Anode Material in Lithium-Ion Batteries. <i>Small</i> , 2013, 9, 3433-3438.	10.0	542
50	Synthesis of porous NiO nanocrystals with controllable surface area and their application as supercapacitor electrodes. <i>Nano Research</i> , 2010, 3, 643-652.	10.4	534
51	Graphene-Based Electrochemical Sensors. <i>Small</i> , 2013, 9, 1160-1172.	10.0	526
52	Wet-chemical synthesis and applications of non-layer structured two-dimensional nanomaterials. <i>Nature Communications</i> , 2015, 6, 7873.	12.8	526
53	An Effective Method for the Fabrication of Few-Layer-Thick Inorganic Nanosheets. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 9052-9056.	13.8	520
54	Polymer Pen Lithography. <i>Science</i> , 2008, 321, 1658-1660.	12.6	501

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55	Graphene Quantum Dots Coated VO <sub>2</sub> Arrays for Highly Durable Electrodes for Li and Na Ion Batteries. Nano Letters, 2015, 15, 565-573.	9.1	493
56	A V <sub>2</sub> O <sub>5</sub> /Conductive Polymer Core/Shell Nanobelt Array on Three-Dimensional Graphite Foam: A High-Rate, Ultrastable, and Freestanding Cathode for Lithium-Ion Batteries. Advanced Materials, 2014, 26, 5794-5800.	21.0	450
57	Iron Oxide-Decorated Carbon for Supercapacitor Anodes with Ultrahigh Energy Density and Outstanding Cycling Stability. ACS Nano, 2015, 9, 5198-5207.	14.6	441
58	Bioinspired Design of Ultrathin 2D Bimetallic Metal-Organic Framework Nanosheets Used as Biomimetic Enzymes. Advanced Materials, 2016, 28, 4149-4155.	21.0	440
59	Ultrathin Two-Dimensional Covalent Organic Framework Nanosheets: Preparation and Application in Highly Sensitive and Selective DNA Detection. Journal of the American Chemical Society, 2017, 139, 8698-8704.	13.7	440
60	Solution-Processed Two-Dimensional Metal Dichalcogenide-Based Nanomaterials for Energy Storage and Conversion. Advanced Materials, 2016, 28, 6167-6196.	21.0	438
61	Achieving high specific charge capacitances in Fe <sub>3</sub> O <sub>4</sub> /reduced graphene oxide nanocomposites. Journal of Materials Chemistry, 2011, 21, 3422.	6.7	430
62	A New Type of Porous Graphite Foams and Their Integrated Composites with Oxide/Polymer Core/Shell Nanowires for Supercapacitors: Structural Design, Fabrication, and Full Supercapacitor Demonstrations. Nano Letters, 2014, 14, 1651-1658.	9.1	428
63	Hierarchical Ni-Mo-S nanosheets on carbon fiber cloth: A flexible electrode for efficient hydrogen generation in neutral electrolyte. Science Advances, 2015, 1, e1500259.	10.3	427
64	Seed-assisted synthesis of highly ordered TiO <sub>2</sub> @Fe <sub>2</sub> O <sub>3</sub> core/shell arrays on carbon textiles for lithium-ion battery applications. Energy and Environmental Science, 2012, 5, 6559.	30.8	421
65	Synthesis of Free-Standing Metal Sulfide Nanoarrays via Anion Exchange Reaction and Their Electrochemical Energy Storage Application. Small, 2014, 10, 766-773.	10.0	413
66	Production of Two-Dimensional Nanomaterials via Liquid-Based Direct Exfoliation. Small, 2016, 12, 272-293.	10.0	407
67	Hierarchical hollow spheres composed of ultrathin Fe <sub>2</sub> O <sub>3</sub> nanosheets for lithium storage and photocatalytic water oxidation. Energy and Environmental Science, 2013, 6, 987.	30.8	404
68	Graphene-Based Materials for Solar Cell Applications. Advanced Energy Materials, 2014, 4, 1300574.	19.5	398
69	Three-Dimensional Architectures Constructed from Transition-Metal Dichalcogenide Nanomaterials for Electrochemical Energy Storage and Conversion. Angewandte Chemie - International Edition, 2018, 57, 626-646.	13.8	398
70	Preparation of MoS <sub>2</sub> -Polyvinylpyrrolidone Nanocomposites for Flexible Nonvolatile Rewritable Memory Devices with Reduced Graphene Oxide Electrodes. Small, 2012, 8, 3517-3522.	10.0	393
71	Visual Cocaine Detection with Gold Nanoparticles and Rationally Engineered Aptamer Structures. Small, 2008, 4, 1196-1200.	10.0	390
72	Reduced Graphene Oxide-Wrapped MoO <sub>3</sub> Composites Prepared by Using Metal-Organic Frameworks as Precursor for All-Solid-State Flexible Supercapacitors. Advanced Materials, 2015, 27, 4695-4701.	21.0	388

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73	Hybrid structure of cobalt monoxide nanowire @ nickel hydroxidenitrate nanoflake aligned on nickel foam for high-rate supercapacitor. <i>Energy and Environmental Science</i> , 2011, 4, 4496.	30.8	386
74	Growth of Au Nanoparticles on 2D Metalloporphyrinic Metal-Organic Framework Nanosheets Used as Biomimetic Catalysts for Cascade Reactions. <i>Advanced Materials</i> , 2017, 29, 1700102.	21.0	384
75	Electrochemically Reduced Single-Layer MoS <sub>2</sub> Nanosheets: Characterization, Properties, and Sensing Applications. <i>Small</i> , 2012, 8, 2264-2270.	10.0	373
76	All Metal Nitrides Solid-State Asymmetric Supercapacitors. <i>Advanced Materials</i> , 2015, 27, 4566-4571.	21.0	371
77	A general method for the large-scale synthesis of uniform ultrathin metal sulphide nanocrystals. <i>Nature Communications</i> , 2012, 3, 1177.	12.8	368
78	Two-Dimensional Metal-Organic Framework Nanosheets. <i>Small Methods</i> , 2017, 1, 1600030.	8.6	364
79	Rapid and Reliable Thickness Identification of Two-Dimensional Nanosheets Using Optical Microscopy. <i>ACS Nano</i> , 2013, 7, 10344-10353.	14.6	359
80	Self-Assembly of Single-Layer CoAl-Layered Double Hydroxide Nanosheets on 3D Graphene Network Used as Highly Efficient Electrocatalyst for Oxygen Evolution Reaction. <i>Advanced Materials</i> , 2016, 28, 7640-7645.	21.0	355
81	Facile synthesis of metal oxide/reduced graphene oxide hybrids with high lithium storage capacity and stable cyclability. <i>Nanoscale</i> , 2011, 3, 1084-1089.	5.6	352
82	Preparation of High-Percentage 1T-Phase Transition Metal Dichalcogenide Nanodots for Electrochemical Hydrogen Evolution. <i>Advanced Materials</i> , 2018, 30, 1705509.	21.0	341
83	One-Pot Synthesis of Highly Anisotropic Five-Fold-Twinned PtCu Nanoframes Used as a Bifunctional Electrocatalyst for Oxygen Reduction and Methanol Oxidation. <i>Advanced Materials</i> , 2016, 28, 8712-8717.	21.0	336
84	Hybrid Fibers Made of Molybdenum Disulfide, Reduced Graphene Oxide, and Multi-Walled Carbon Nanotubes for Solid-State, Flexible, Asymmetric Supercapacitors. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 4651-4656.	13.8	334
85	Crystal phase-controlled synthesis, properties and applications of noble metal nanomaterials. <i>Chemical Society Reviews</i> , 2016, 45, 63-82.	38.1	330
86	Amphiphilic Graphene Composites. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 9426-9429.	13.8	325
87	Growth of noble metal nanoparticles on single-layer TiS <sub>2</sub> and TaS <sub>2</sub> nanosheets for hydrogen evolution reaction. <i>Energy and Environmental Science</i> , 2014, 7, 797-803.	30.8	323
88	Single-Layer Transition Metal Dichalcogenide Nanosheet-Based Nanosensors for Rapid, Sensitive, and Multiplexed Detection of DNA. <i>Advanced Materials</i> , 2015, 27, 935-939.	21.0	322
89	MoS <sub>2</sub> nanoflower-decorated reduced graphene oxide paper for high-performance hydrogen evolution reaction. <i>Nanoscale</i> , 2014, 6, 5624.	5.6	320
90	Epitaxial growth of hybrid nanostructures. <i>Nature Reviews Materials</i> , 2018, 3, .	48.7	318

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91	Ultrathin S-doped MoSe <sub>2</sub> nanosheets for efficient hydrogen evolution. Journal of Materials Chemistry A, 2014, 2, 5597-5601.	10.3	317
92	Two-dimensional nanomaterial-based field-effect transistors for chemical and biological sensing. Chemical Society Reviews, 2017, 46, 6872-6904.	38.1	316
93	Transparent, Flexible, All-Reduced Graphene Oxide Thin Film Transistors. ACS Nano, 2011, 5, 5038-5044.	14.6	305
94	Non-volatile resistive memory devices based on solution-processed ultrathin two-dimensional nanomaterials. Chemical Society Reviews, 2015, 44, 2615-2628.	38.1	302
95	Interfacing Live Cells with Nanocarbon Substrates. Langmuir, 2010, 26, 2244-2247.	3.5	301
96	Rationally Designed Hierarchical TiO <sub>2</sub> @Fe <sub>2</sub> O <sub>3</sub> Hollow Nanostructures for Improved Lithium Ion Storage. Advanced Energy Materials, 2013, 3, 737-743.	19.5	296
97	Carbon-Based Functional Materials Derived from Waste for Water Remediation and Energy Storage. Advanced Materials, 2017, 29, 1605361.	21.0	293
98	3D Graphene Foam as a Monolithic and Macroporous Carbon Electrode for Electrochemical Sensing. ACS Applied Materials & Interfaces, 2012, 4, 3129-3133.	8.0	292
99	Optical Identification of Single- and Few-Layer MoS <sub>2</sub> Sheets. Small, 2012, 8, 682-686.	10.0	290
100	Metal Oxide-Coated Three-Dimensional Graphene Prepared by the Use of Metal-Organic Frameworks as Precursors. Angewandte Chemie - International Edition, 2014, 53, 1404-1409.	13.8	287
101	Electrical Detection of Metal Ions Using Field-Effect Transistors Based on Micropatterned Reduced Graphene Oxide Films. ACS Nano, 2011, 5, 1990-1994.	14.6	279
102	Conjugated Polyelectrolyte-Functionalized Reduced Graphene Oxide with Excellent Solubility and Stability in Polar Solvents. Small, 2010, 6, 663-669.	10.0	278
103	Evolution of disposable bamboo chopsticks into uniform carbon fibers: a smart strategy to fabricate sustainable anodes for Li-ion batteries. Energy and Environmental Science, 2014, 7, 2670-2679.	30.8	271
104	Highly Stable and Reversible Lithium Storage in SnO <sub>2</sub> Nanowires Surface Coated with a Uniform Hollow Shell by Atomic Layer Deposition. Nano Letters, 2014, 14, 4852-4858.	9.1	269
105	Au Nanoparticle-Modified MoS <sub>2</sub> Nanosheet-Based Photoelectrochemical Cells for Water Splitting. Small, 2014, 10, 3537-3543.	10.0	265
106	Thermal Desorption Behavior and Binding Properties of DNA Bases and Nucleosides on Gold. Journal of the American Chemical Society, 2002, 124, 11248-11249.	13.7	264
107	High-Performance Flexible Solid-State Ni/Fe Battery Consisting of Metal Oxides Coated Carbon Cloth/Carbon Nanofiber Electrodes. Advanced Energy Materials, 2016, 6, 1601034.	19.5	262
108	Synthesis and applications of graphene-based noble metal nanostructures. Materials Today, 2013, 16, 29-36.	14.2	257

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109	Surface enhanced Raman scattering of Ag or Au nanoparticle-decorated reduced graphene oxide for detection of aromatic molecules. <i>Chemical Science</i> , 2011, 2, 1817.	7.4	249
110	Self-assembly of well-ordered whisker-like manganese oxide arrays on carbon fiber paper and its application as electrode material for supercapacitors. <i>Journal of Materials Chemistry</i> , 2012, 22, 8634.	6.7	249
111	Ultrathin Two-Dimensional Multinary Layered Metal Chalcogenide Nanomaterials. <i>Advanced Materials</i> , 2017, 29, 1701392.	21.0	242
112	Nanoporous Walls on Macroporous Foam: Rational Design of Electrodes to Push Areal Pseudocapacitance. <i>Advanced Materials</i> , 2012, 24, 4186-4190.	21.0	239
113	A Solution-Processed Hole Extraction Layer Made from Ultrathin MoS <sub>2</sub> Nanosheets for Efficient Organic Solar Cells. <i>Advanced Energy Materials</i> , 2013, 3, 1262-1268.	19.5	231
114	Engineering the Absorption and Field Enhancement Properties of Au@TiO <sub>2</sub> Nanohybrids via Whispering Gallery Mode Resonances for Photocatalytic Water Splitting. <i>ACS Nano</i> , 2016, 10, 4496-4503.	14.6	230
115	Layer Thinning and Etching of Mechanically Exfoliated MoS <sub>2</sub> Nanosheets by Thermal Annealing in Air. <i>Small</i> , 2013, 9, 3314-3319.	10.0	229
116	Core-shell carbon materials derived from metal-organic frameworks as an efficient oxygen bifunctional electrocatalyst. <i>Nano Energy</i> , 2016, 30, 368-378.	16.0	229
117	Cobalt oxide and N-doped carbon nanosheets derived from a single two-dimensional metal-organic framework precursor and their application in flexible asymmetric supercapacitors. <i>Nanoscale Horizons</i> , 2017, 2, 99-105.	8.0	227
118	Epitaxial Growth of Hetero-Nanostructures Based on Ultrathin Two-Dimensional Nanosheets. <i>Journal of the American Chemical Society</i> , 2015, 137, 12162-12174.	13.7	218
119	Aptamer-Based Multicolor Fluorescent Gold Nanoprobes for Multiplex Detection in Homogeneous Solution. <i>Small</i> , 2010, 6, 201-204.	10.0	215
120	Bulk Heterojunction Polymer Memory Devices with Reduced Graphene Oxide as Electrodes. <i>ACS Nano</i> , 2010, 4, 3987-3992.	14.6	215
121	Stabilization of 4H hexagonal phase in gold nanoribbons. <i>Nature Communications</i> , 2015, 6, 7684.	12.8	215
122	High-Yield Exfoliation of Ultrathin Two-Dimensional Ternary Chalcogenide Nanosheets for Highly Sensitive and Selective Fluorescence DNA Sensors. <i>Journal of the American Chemical Society</i> , 2015, 137, 10430-10436.	13.7	214
123	Electron-Doping-Enhanced Trion Formation in Monolayer Molybdenum Disulfide Functionalized with Cesium Carbonate. <i>ACS Nano</i> , 2014, 8, 5323-5329.	14.6	211
124	Tubular TiC fibre nanostructures as supercapacitor electrode materials with stable cycling life and wide-temperature performance. <i>Energy and Environmental Science</i> , 2015, 8, 1559-1568.	30.8	210
125	Fabrication of Flexible, All-Reduced Graphene Oxide Non-Volatile Memory Devices. <i>Advanced Materials</i> , 2013, 25, 233-238.	21.0	207
126	Synthesis of Ultrathin PdCu Alloy Nanosheets Used as a Highly Efficient Electrocatalyst for Formic Acid Oxidation. <i>Advanced Materials</i> , 2017, 29, 1700769.	21.0	207



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127	Recent Advances in Sensing Applications of Two-Dimensional Transition Metal Dichalcogenide Nanosheets and Their Composites. <i>Advanced Functional Materials</i> , 2017, 27, 1605817.	14.9	206
128	Ultrathin Two-Dimensional Organic-Inorganic Hybrid Perovskite Nanosheets with Bright, Tunable Photoluminescence and High Stability. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 4252-4255.	13.8	206
129	Surface-Charge-Mediated Formation of $\text{H}_2\text{TiO}_2 @ \text{Ni}(\text{OH})_2$ Heterostructures for High-Performance Supercapacitors. <i>Advanced Materials</i> , 2017, 29, 1604164.	21.0	203
130	Reduced Graphene Oxide-Templated Photochemical Synthesis and in situ Assembly of Au Nanodots to Orderly Patterned Au Nanodot Chains. <i>Small</i> , 2010, 6, 513-516.	10.0	202
131	All-Carbon Electronic Devices Fabricated by Directly Grown Single-Walled Carbon Nanotubes on Reduced Graphene Oxide Electrodes. <i>Advanced Materials</i> , 2010, 22, 3058-3061.	21.0	201
132	Plasmonic enhancement of photocurrent in MoS <sub>2</sub> field-effect-transistor. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	201
133	Thin metal nanostructures: synthesis, properties and applications. <i>Chemical Science</i> , 2015, 6, 95-111.	7.4	198
134	Few-Layer Graphdiyne Nanosheets Applied for Multiplexed Real-Time DNA Detection. <i>Advanced Materials</i> , 2017, 29, 1606755.	21.0	198
135	Controllable Growth of Conducting Polymers Shell for Constructing High-Quality Organic/Inorganic Core/Shell Nanostructures and Their Optical-Electrochemical Properties. <i>Nano Letters</i> , 2013, 13, 4562-4568.	9.1	197
136	Cobalt Oxide Nanowall Arrays on Reduced Graphene Oxide Sheets with Controlled Phase, Grain Size, and Porosity for Li-Ion Battery Electrodes. <i>Journal of Physical Chemistry C</i> , 2011, 115, 8400-8406.	3.1	196
137	Carbon Microbelt Aerogel Prepared by Waste Paper: An Efficient and Recyclable Sorbent for Oils and Organic Solvents. <i>Small</i> , 2014, 10, 3544-3550.	10.0	196
138	Synthesis of 4H Noble Multimetallic Nanoribbons for Electrocatalytic Hydrogen Evolution Reaction. <i>Journal of the American Chemical Society</i> , 2016, 138, 1414-1419.	13.7	196
139	Surface modification-induced phase transformation of hexagonal close-packed gold square sheets. <i>Nature Communications</i> , 2015, 6, 6571.	12.8	195
140	A Universal, Rapid Method for Clean Transfer of Nanostructures onto Various Substrates. <i>ACS Nano</i> , 2014, 8, 6563-6570.	14.6	192
141	Label-free, electrochemical detection of methicillin-resistant staphylococcus aureus DNA with reduced graphene oxide-modified electrodes. <i>Biosensors and Bioelectronics</i> , 2011, 26, 3881-3886.	10.1	191
142	Real-time DNA detection using Pt nanoparticle-decorated reduced graphene oxide field-effect transistors. <i>Nanoscale</i> , 2012, 4, 293-297.	5.6	185
143	A Facile and Universal Top-Down Method for Preparation of Monodisperse Transition-Metal Dichalcogenide Nanodots. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 5425-5428.	13.8	185
144	In situ dynamic tracking of heterogeneous nanocatalytic processes by shell-isolated nanoparticle-enhanced Raman spectroscopy. <i>Nature Communications</i> , 2017, 8, 15447.	12.8	185

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