Hua Zhang

List of Publications by Year
in descending order

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419 papers	108,966 citations	128 161 h-index	155 324 g-index
419 all docs	419 docs citations	419 times ranked	75959 citing authors

#	Article	IF	Citations
1	Bioinspired self-cleaning surface with microflower-like structures constructed by electrochemically corrosion mediated self-assembly. CrystEngComm, 2022, 24, 1085-1093.	1.3	2
2	Unleashing energy storage ability of aqueous battery electrolytes. Materials Futures, 2022, 1, 022001.	3.1	17
3	Covalent Organic Frameworks for Efficient Energy Electrocatalysis: Rational Design and Progress. Advanced Energy and Sustainability Research, 2021, 2, 2000090.	2.8	29
4	Battery-Everywhere Design Based on a Cathodeless Configuration with High Sustainability and Energy Density. ACS Energy Letters, 2021, 6, 1859-1868.	8.8	35
5	On-Chip Integration of a Covalent Organic Framework-Based Catalyst into a Miniaturized Znâ€“Air Battery with High Energy Density. ACS Energy Letters, 2021, 6, 2491-2498.	8.8	46
6	Selfâ€Assembly of Surfaceâ€Acylated Cellulose Nanowhiskers and Graphene Oxide for Multiresponsive Janusâ€Like Films with Timeâ€Dependent Dryâ€State Structures. Small, 2020, 16, e2004922.	5.2	7
7	Improving rate capacity and cycling stability of Si-anode lithium ion battery by using copper nanowire as conductive additive. Journal of Alloys and Compounds, 2020, 822, 153664.	2.8	26
8	High-Internal-Phase Pickering Emulsions Stabilized by Polymeric Dialdehyde Cellulose-Based Nanoparticles. ACS Sustainable Chemistry and Engineering, 2020, 8, 7371-7379.	3.2	25
9	Interfacial Synthesis of Cellulose-Derived Solvent-Responsive Nanoparticles via Schiff Base Reaction. ACS Sustainable Chemistry and Engineering, 2019, 7, 16595-16603.	3.2	24
10	Highly Efficient Znâ€“Cuâ€“Inâ€“Se Quantum Dot-Sensitized Solar Cells through Surface Capping with Ascorbic Acid. ACS Applied Materials & Interfaces, 2019, 11, 6927-6936.	4.0	48
11	Dialdehyde Cellulose as a Bio-Based Robust Adhesive for Wood Bonding. ACS Sustainable Chemistry and Engineering, 2019, 7, 10452-10459.	3.2	86
12	Robust, Easyâ€Cleaning Superhydrophobic/Superoleophilic Copper Meshes for Oil/Water Separation under Harsh Conditions. Advanced Materials Interfaces, 2019, 6, 1900158.	1.9	20
13	Zn-Ag-In-S quantum dot sensitized solar cells with enhanced efficiency by tuning defects. Journal of Colloid and Interface Science, 2019, 547, 267-274.	5.0	25
14	Enhancing Loading Amount and Performance of Quantum-Dot-Sensitized Solar Cells Based on Direct Adsorption of Quantum Dots from Bicomponent Solvents. Journal of Physical Chemistry Letters, 2019, 10, 229-237.	2.1	21
15	Combat biofouling with microscopic ridge-like surface morphology: a bioinspired study. Journal of the Royal Society Interface, 2018, 15, 20170823.	1.5	48
16	Efficient Flexible Counter Electrode Based on Modified Graphite Paper and in Situ Grown Copper Sulfide for Quantum Dot Sensitized Solar Cells. ACS Applied Energy Materials, 2018, 1, 1355-1363.	2.5	13
17	CdS core-Au plasmonic satellites nanostructure enhanced photocatalytic hydrogen evolution reaction. Nano Energy, 2018, 49, 363-371.	8.2	107
18	Transformable masks for colloidal nanosynthesis. Nature Communications, 2018, 9, 563.	5.8	67

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19	Epitaxial growth of hybrid nanostructures. Nature Reviews Materials, 2018, 3, .	23.3	318
20	Organic-Dye-Modified Upconversion Nanoparticle as a Multichannel Probe To Detect Cu²⁺ in Living Cells. ACS Applied Materials & Interfaces, 2018, 10, 1028-1032.	4.0	49
21	Preparation of Highâ€Percentage 1Tâ€Phase Transition Metal Dichalcogenide Nanodots for Electrochemical Hydrogen Evolution. Advanced Materials, 2018, 30, 1705509.	11.1	341
22	Nitrogen and phosphorus co-doped carbon modified activated carbon as an efficient oxygen reduction catalyst for microbial fuel cells. RSC Advances, 2018, 8, 848-855.	1.7	29
23	Threeâ€Dimensional Architectures Constructed from Transitionâ€Metal Dichalcogenide Nanomaterials for Electrochemical Energy Storage and Conversion. Angewandte Chemie - International Edition, 2018, 57, 626-646.	7.2	398
24	Crucial role for oxygen functional groups in the oxygen reduction reaction electrocatalytic activity of nitrogen-doped carbons. Electrochimica Acta, 2018, 292, 942-950.	2.6	46
25	Cobalt oxide and N-doped carbon nanosheets derived from a single two-dimensional metalâ€“organic framework precursor and their application in flexible asymmetric supercapacitors. Nanoscale Horizons, 2017, 2, 99-105.	4.1	227
26	Carbonâ€Based Functional Materials Derived from Waste for Water Remediation and Energy Storage. Advanced Materials, 2017, 29, 1605361.	11.1	293
27	Improved Reversibility of Fe³⁺/Fe⁴⁺ Redox Couple in Sodium Super Ion Conductor Type Na₃Fe₂(PO₄)₃ for Sodiumâ€Ion Batteries. Advanced Materials, 2017, 29, 1605694.	11.1	169
28	Fewâ€Layer Graphdiyne Nanosheets Applied for Multiplexed Realâ€Time DNA Detection. Advanced Materials, 2017, 29, 1606755.	11.1	198
29	Investigation of Thermally Induced Cellular Ablation and Heat Response Triggered by Planar MoS₂-Based Nanocomposite. Bioconjugate Chemistry, 2017, 28, 1059-1067.	1.8	33
30	Self-branched Î±-MnO₂/Î´-MnO₂ heterojunction nanowires with enhanced pseudocapacitance. Materials Horizons, 2017, 4, 415-422.	6.4	105
31	Ternary Chalcogenide Nanosheets with Ultrahigh Photothermal Conversion Efficiency for Photoacoustic Theranostics. Small, 2017, 13, 1604139.	5.2	83
32	Hybrid micro-/nano-structures derived from metalâ€“organic frameworks: preparation and applications in energy storage and conversion. Chemical Society Reviews, 2017, 46, 2660-2677.	18.7	866
33	Preparation of Ultrathin Twoâ€Dimensional Ti_xTa_{1â^'x}S_yO_z Nanosheets as Highly Efficient Photothermal Agents. Angewandte Chemie - International Edition, 2017, 56, 7842-7846.	7.2	59
34	Recent Methods for the Synthesis of Noble-Metal-Free Hydrogen-Evolution Electrocatalysts: From Nanoscale to Sub-nanoscale. Small Methods, 2017, 1, 1700118.	4.6	96
35	Sn Nanoparticles Encapsulated in 3D Nanoporous Carbon Derived from a Metalâ€“Organic Framework for Anode Material in Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 17172-17177.	4.0	89
36	Anodized Aluminum Oxide Templated Synthesis of Metalâ€“Organic Frameworks Used as Membrane Reactors. Angewandte Chemie - International Edition, 2017, 56, 578-581.	7.2	57

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37	Interdiffusion Reaction-Assisted Hybridization of Two-Dimensional Metalâ€“Organic Frameworks and Ti₃C₂T_x Nanosheets for Electrocatalytic Oxygen Evolution. ACS Nano, 2017, 11, 5800-5807.	7.3	557
38	Growth of Au Nanoparticles on 2D Metalloporphyrinic Metalâ€Organic Framework Nanosheets Used as Biomimetic Catalysts for Cascade Reactions. Advanced Materials, 2017, 29, 1700102.	11.1	384
39	Recent Advances in Cantilever-Free Scanning Probe Lithography: High-Throughput, Space-Confined Synthesis of Nanostructures and Beyond. ACS Nano, 2017, 11, 4381-4386.	7.3	21
40	Enhancing the sensing specificity of a MoS₂nanosheet-based FRET aptasensor using a surface blocking strategy. Analyst, The, 2017, 142, 2570-2577.	1.7	27
41	In situ dynamic tracking of heterogeneous nanocatalytic processes by shell-isolated nanoparticle-enhanced Raman spectroscopy. Nature Communications, 2017, 8, 15447.	5.8	185
42	Binder Free Hierarchical Mesoporous Carbon Foam for High Performance Lithium Ion Battery. Scientific Reports, 2017, 7, 1440.	1.6	56
43	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.	6.6	440
44	Composition- and phase-controlled synthesis and applications of alloyed phase heterostructures of transition metal disulphides. Nanoscale, 2017, 9, 5102-5109.	2.8	63
45	Recent Advances in Sensing Applications of Twoâ€Dimensional Transition Metal Dichalcogenide Nanosheets and Their Composites. Advanced Functional Materials, 2017, 27, 1605817.	7.8	206
46	Ultrathin Twoâ€Dimensional Organicâ€“Inorganic Hybrid Perovskite Nanosheets with Bright, Tunable Photoluminescence and High Stability. Angewandte Chemie - International Edition, 2017, 56, 4252-4255.	7.2	206
47	Preparation of Superhydrophilic and Underwater Superoleophobic Nanofiberâ€Based Meshes from Waste Glass for Multifunctional Oil/Water Separation. Small, 2017, 13, 1700391.	5.2	111
48	Recent Advances in Ultrathin Two-Dimensional Nanomaterials. Chemical Reviews, 2017, 117, 6225-6331.	23.0	3,940
49	Graphene Oxide Scroll Meshes Prepared by Molecular Combing for Transparent and Flexible Electrodes. Advanced Materials Technologies, 2017, 2, 1600231.	3.0	12
50	A Robust Hybrid Zn-Battery with Ultralong Cycle Life. Nano Letters, 2017, 17, 156-163.	4.5	138
51	Twoâ€Dimensional Metalâ€“Organic Framework Nanosheets. Small Methods, 2017, 1, 1600030.	4.6	364
52	Molecularâ€Level Design of Hierarchically Porous Carbons Codoped with Nitrogen and Phosphorus Capable of In Situ Selfâ€Activation for Sustainable Energy Systems. Small, 2017, 13, 1602010.	5.2	47
53	Interfacial Interactions in van der Waals Heterostructures of MoS₂ and Graphene. ACS Nano, 2017, 11, 11714-11723.	7.3	92
54	Plasmon enhanced quantum dots fluorescence and energy conversion in water splitting using shell-isolated nanoparticles. Nano Energy, 2017, 42, 232-240.	8.2	28

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55	Spirals and helices by asymmetric active surface growth. Nanoscale, 2017, 9, 18352-18358.	2.8	7
56	Facile synthesis of gold nanomaterials with unusual crystal structures. Nature Protocols, 2017, 12, 2367-2376.	5.5	72
57	Two-dimensional nanomaterial-based field-effect transistors for chemical and biological sensing. Chemical Society Reviews, 2017, 46, 6872-6904.	18.7	316
58	Nitrogen-doped carbon paper with 3D porous structure as a flexible free-standing anode for lithium-ion batteries. Scientific Reports, 2017, 7, 7769.	1.6	35
59	Highâ€Yield Synthesis of Crystalâ€Phaseâ€Heterostructured 4H/fcc Au@Pd Coreâ€“Shell Nanorods for Electrocatalytic Ethanol Oxidation. Advanced Materials, 2017, 29, 1701331.	11.1	144
60	Ultrathin Twoâ€Dimensional Multinary Layered Metal Chalcogenide Nanomaterials. Advanced Materials, 2017, 29, 1701392.	11.1	242
61	Recent Progress in the Preparation, Assembly, Transformation, and Applications of Layerâ€Structured Nanodisks beyond Graphene. Advanced Materials, 2017, 29, 1701704.	11.1	65
62	Controllable Synthesis of Atomically Thin Typeâ€II Weyl Semimetal WTe₂ Nanosheets: An Advanced Electrode Material for Allâ€Solidâ€State Flexible Supercapacitors. Advanced Materials, 2017, 29, 1701909.	11.1	107
63	Synthesis of WO_nâ€WX₂ (n=2.7, 2.9; X=S, Se) Heterostructures for Highly Efficient Green Quantum Dot Lightâ€Emitting Diodes. Angewandte Chemie - International Edition, 2017, 56, 10486-10490.	7.2	21
64	Kinetically-Driven Phase Transformation during Lithiation in Copper Sulfide Nanoflakes. Nano Letters, 2017, 17, 5726-5733.	4.5	67
65	Preparation of graphene-MoS2 hybrid aerogels as multifunctional sorbents for water remediation. Science China Materials, 2017, 60, 1102-1108.	3.5	27
66	Synthesis of Ultrathin PdCu Alloy Nanosheets Used as a Highly Efficient Electrocatalyst for Formic Acid Oxidation. Advanced Materials, 2017, 29, 1700769.	11.1	207
67	Edge Epitaxy of Two-Dimensional MoSe₂ and MoS₂ Nanosheets on One-Dimensional Nanowires. Journal of the American Chemical Society, 2017, 139, 8653-8660.	6.6	118
68	Revealing the Role of Interfacial Properties on Catalytic Behaviors by in Situ Surface-Enhanced Raman Spectroscopy. Journal of the American Chemical Society, 2017, 139, 10339-10346.	6.6	127
69	Singleâ€Layer Ternary Chalcogenide Nanosheet as a Fluorescenceâ€Based â€œCaptureâ€Releaseâ€•Biomolecular Nanosensor. Small, 2017, 13, 1601925.	5.2	29
70	Two-dimensional transition metal dichalcogenide nanomaterials for biosensing applications. Materials Chemistry Frontiers, 2017, 1, 24-36.	3.2	173
71	Surfaceâ€Chargeâ€Mediated Formation of Hâ€TiO₂@Ni(OH)₂ Heterostructures for Highâ€Performance Supercapacitors. Advanced Materials, 2017, 29, 1604164.	11.1	203
72	Epitaxial growth of unusual 4H hexagonal Ir, Rh, Os, Ru and Cu nanostructures on 4H Au nanoribbons. Chemical Science, 2017, 8, 795-799.	3.7	81

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73	Self-Assembly of Two-Dimensional Nanosheets into One-Dimensional Nanostructures. CheM, 2016, 1, 59-77.	5.8	92
74	Weavable, Highâ€Performance, Solidâ€State Supercapacitors Based on Hybrid Fibers Made of Sandwiched Structure of MWCNT/rGO/MWCNT. Advanced Electronic Materials, 2016, 2, 1600102.	2.6	47
75	Preparation of Singleâ€Layer MoS₂_xSe_{2(1â€}_x₎ and Mo_xW_{1â€}_xS₂ Nanosheets with Highâ€Concentration Metallic 1T Phase. Small, 2016, 12, 1866-1874.	5.2	126
76	Recent Development of Advanced Materials with Special Wettability for Selective Oil/Water Separation. Small, 2016, 12, 2186-2202.	5.2	719
77	Co@Co₃O₄@PPD Core@bishell Nanoparticleâ€Based Composite as an Efficient Electrocatalyst for Oxygen Reduction Reaction. Small, 2016, 12, 2580-2587.	5.2	86
78	Synthesis of 4H/fccâ€Au@M (M = Ir, Os, IrOs) Coreâ€Shell Nanoribbons For Electrocatalytic Oxygen Evolution Reaction. Small, 2016, 12, 3908-3913.	5.2	59
79	Solutionâ€Processed Twoâ€Dimensional MoS₂ Nanosheets: Preparation, Hybridization, and Applications. Angewandte Chemie - International Edition, 2016, 55, 8816-8838.	7.2	557
80	Surface Rutilization of Anatase TiO₂ Nanorods for Creation of Synergistically Bridging and Fencing Electron Highways. Advanced Functional Materials, 2016, 26, 456-465.	7.8	52
81	Bioinspired Design of Ultrathin 2D Bimetallic Metalâ€“Organicâ€Framework Nanosheets Used as Biomimetic Enzymes. Advanced Materials, 2016, 28, 4149-4155.	11.1	440
82	Template Synthesis of Noble Metal Nanocrystals with Unusual Crystal Structures and Their Catalytic Applications. Accounts of Chemical Research, 2016, 49, 2841-2850.	7.6	181
83	Synthesis of Two-Dimensional CoS_{1.097}/Nitrogen-Doped Carbon Nanocomposites Using Metalâ€“Organic Framework Nanosheets as Precursors for Supercapacitor Application. Journal of the American Chemical Society, 2016, 138, 6924-6927.	6.6	591
84	Engineering the Absorption and Field Enhancement Properties of Auâ€“TiO₂ Nanohybrids via Whispering Gallery Mode Resonances for Photocatalytic Water Splitting. ACS Nano, 2016, 10, 4496-4503.	7.3	230
85	A 2.0 V capacitive device derived from shape-preserved metal nitride nanorods. Nano Energy, 2016, 26, 1-6.	8.2	31
86	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.	5.2	65
87	Highly Sensitive and Selective Aptamer-Based Fluorescence Detection of a Malarial Biomarker Using Single-Layer MoS₂ Nanosheets. ACS Sensors, 2016, 1, 1315-1321.	4.0	64
88	Hollow carbon nanosphere embedded with ultrafine Fe 3 O 4 nanoparticles as high performance Li-ion battery anode. Electrochimica Acta, 2016, 219, 356-362.	2.6	27
89	Core-shell carbon materials derived from metal-organic frameworks as an efficient oxygen bifunctional electrocatalyst. Nano Energy, 2016, 30, 368-378.	8.2	229
90	Intrinsically Conductive Perovskite Oxides with Enhanced Stability and Electrocatalytic Activity for Oxygen Reduction Reactions. ACS Catalysis, 2016, 6, 7865-7871.	5.5	51

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91	Oneâ€Pot Synthesis of Highly Anisotropic Fiveâ€Foldâ€Twinned PtCu Nanoframes Used as a Bifunctional Electrocatalyst for Oxygen Reduction and Methanol Oxidation. Advanced Materials, 2016, 28, 8712-8717.	11.1	336
92	Highâ€Performance Flexible Solidâ€State Ni/Fe Battery Consisting of Metal Oxides Coated Carbon Cloth/Carbon Nanofiber Electrodes. Advanced Energy Materials, 2016, 6, 1601034.	10.2	262
93	In Situ Synthesis of Metal Sulfide Nanoparticles Based on 2D Metalâ€Organic Framework Nanosheets. Small, 2016, 12, 4669-4674.	5.2	101
94	Selfâ€Assembly of Singleâ€Layer CoAlâ€Layered Double Hydroxide Nanosheets on 3D Graphene Network Used as Highly Efficient Electrocatalyst for Oxygen Evolution Reaction. Advanced Materials, 2016, 28, 7640-7645.	11.1	355
95	Submonolayered Ru Deposited on Ultrathin Pd Nanosheets used for Enhanced Catalytic Applications. Advanced Materials, 2016, 28, 10282-10286.	11.1	148
96	Ultrahigh Performance of Novel Capacitive Deionization Electrodes based on A Three-Dimensional Graphene Architecture with Nanopores. Scientific Reports, 2016, 6, 18966.	1.6	105
97	Production of Twoâ€Dimensional Nanomaterials via Liquidâ€Based Direct Exfoliation. Small, 2016, 12, 272-293.	5.2	407
98	Solutionâ€Processed Twoâ€Dimensional Metal Dichalcogenideâ€Based Nanomaterials for Energy Storage and Conversion. Advanced Materials, 2016, 28, 6167-6196.	11.1	438
99	Hybrid Flexible Resistive Random Access Memoryâ€Gated Transistor for Novel Nonvolatile Data Storage. Small, 2016, 12, 390-396.	5.2	42
100	2D Transitionâ€Metalâ€Dichalcogenideâ€Nanosheetâ€Based Composites for Photocatalytic and Electrocatalytic Hydrogen Evolution Reactions. Advanced Materials, 2016, 28, 1917-1933.	11.1	1,214
101	Mussel-inspired one-pot synthesis of transition metal and nitrogen co-doped carbon (M/Nâ€“C) as efficient oxygen catalysts for Zn-air batteries. Nanoscale, 2016, 8, 5067-5075.	2.8	109
102	Levelling the playing field: screening for synergistic effects in coalesced bimetallic nanoparticles. Nanoscale, 2016, 8, 3447-3453.	2.8	11
103	Preparation and applications of novel composites composed of metalâ€“organic frameworks and two-dimensional materials. Chemical Communications, 2016, 52, 1555-1562.	2.2	56
104	Controlled growth of high-density CdS and CdSe nanorod arrays on selective facets of two-dimensional semiconductor nanoplates. Nature Chemistry, 2016, 8, 470-475.	6.6	177
105	Synthesis of 4H/fcc Noble Multimetallic Nanoribbons for Electrocatalytic Hydrogen Evolution Reaction. Journal of the American Chemical Society, 2016, 138, 1414-1419.	6.6	196
106	Atomic-layer-deposited iron oxide on arrays of metal/carbon spheres and their application for electrocatalysis. Nano Energy, 2016, 20, 244-253.	8.2	62
107	Thiazole derivative-modified upconversion nanoparticles for Hg²⁺ detection in living cells. Nanoscale, 2016, 8, 276-282.	2.8	82
108	Crystal phase-controlled synthesis, properties and applications of noble metal nanomaterials. Chemical Society Reviews, 2016, 45, 63-82.	18.7	330

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109	Construction of ultrafine and stable PtFe nano-alloy with ultra-low Pt loading for complete removal of CO in PROX at room temperature. Applied Catalysis B: Environmental, 2016, 180, 237-245.	10.8	51
110	Synthesis and structure of two-dimensional transition-metal dichalcogenides. MRS Bulletin, 2015, 40, 566-576.	1.7	43
111	Celebrating 50 Years of Chemistry in Singapore. ChemPlusChem, 2015, 80, 1192-1194.	1.3	0
112	Multifunctional Architectures Constructing of PANI Nanoneedle Arrays on MoS₂ Thin Nanosheets for Highâ€Energy Supercapacitors. Small, 2015, 11, 4123-4129.	5.2	164
113	All Metal Nitrides Solidâ€State Asymmetric Supercapacitors. Advanced Materials, 2015, 27, 4566-4571.	11.1	371
114	Ultrathin 2D Metalâ€“Organic Framework Nanosheets. Advanced Materials, 2015, 27, 7372-7378.	11.1	943
115	Supramolecular Polymerization Promoted In Situ Fabrication of Nitrogenâ€Doped Porous Graphene Sheets as Anode Materials for Liâ€Ion Batteries. Advanced Energy Materials, 2015, 5, 1500559.	10.2	133
116	Hydrophilic Nitrogen and Sulfur Coâ€doped Molybdenum Carbide Nanosheets for Electrochemical Hydrogen Evolution. Small, 2015, 11, 6278-6284.	5.2	168
117	Reduced Graphene Oxideâ€Wrapped MoO₃ Composites Prepared by Using Metalâ€“Organic Frameworks as Precursor for Allâ€Solidâ€State Flexible Supercapacitors. Advanced Materials, 2015, 27, 4695-4701.	11.1	388
118	Two-dimensional NiCo₂O₄nanosheet-coated three-dimensional graphene networks for high-rate, long-cycle-life supercapacitors. Nanoscale, 2015, 7, 7035-7039.	2.8	134
119	Enhanced Lithium Storage Performance of CuO Nanowires by Coating of Graphene Quantum Dots. Advanced Materials Interfaces, 2015, 2, 1400499.	1.9	102
120	Self-Assembled Chiral Nanofibers from Ultrathin Low-Dimensional Nanomaterials. Journal of the American Chemical Society, 2015, 137, 1565-1571.	6.6	123
121	Molecular crystals on two-dimensional van der Waals substrates. Science China Materials, 2015, 58, 5-8.	3.5	14
122	Black Phosphorus Quantum Dots. Angewandte Chemie - International Edition, 2015, 54, 3653-3657.	7.2	594
123	AuAg Nanosheets Assembled from Ultrathin AuAg Nanowires. Journal of the American Chemical Society, 2015, 137, 1444-1447.	6.6	68
124	Piezoelectricity in Twoâ€Dimensional Materials. Angewandte Chemie - International Edition, 2015, 54, 4432-4434.	7.2	52
125	Hybrid Fibers Made of Molybdenum Disulfide, Reduced Graphene Oxide, and Multiâ€Walled Carbon Nanotubes for Solidâ€State, Flexible, Asymmetric Supercapacitors. Angewandte Chemie - International Edition, 2015, 54, 4651-4656.	7.2	334
126	Substrate-bound growth of Auâ€“Pd diblock nanowire and hybrid nanorodâ€“plate. Nanoscale, 2015, 7, 8115-8121.	2.8	12

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127	A Facile and Universal Topâ€Down Method for Preparation of Monodisperse Transitionâ€Metal Dichalcogenide Nanodots. Angewandte Chemie - International Edition, 2015, 54, 5425-5428.	7.2	185
128	High-Yield Exfoliation of Ultrathin Two-Dimensional Ternary Chalcogenide Nanosheets for Highly Sensitive and Selective Fluorescence DNA Sensors. Journal of the American Chemical Society, 2015, 137, 10430-10436.	6.6	214
129	Stabilization of 4H hexagonal phase in gold nanoribbons. Nature Communications, 2015, 6, 7684.	5.8	215
130	Iron Oxide-Decorated Carbon for Supercapacitor Anodes with Ultrahigh Energy Density and Outstanding Cycling Stability. ACS Nano, 2015, 9, 5198-5207.	7.3	441
131	Non-volatile resistive memory devices based on solution-processed ultrathin two-dimensional nanomaterials. Chemical Society Reviews, 2015, 44, 2615-2628.	18.7	302
132	Two-dimensional transition metal dichalcogenide (TMD) nanosheets. Chemical Society Reviews, 2015, 44, 2584-2586.	18.7	699
133	Encapsulation of a living bioelectrode by a hydrogel for bioelectrochemical systems in alkaline media. Journal of Materials Chemistry B, 2015, 3, 4641-4646.	2.9	10
134	Synthesis of Ultrathin Faceâ€Centeredâ€Cubic Au@Pt and Au@Pd Coreâ€“Shell Nanoplates from Hexagonalâ€Closeâ€Packed Au Square Sheets. Angewandte Chemie - International Edition, 2015, 54, 5672-5676.	7.2	111
135	Tubular TiC fibre nanostructures as supercapacitor electrode materials with stable cycling life and wide-temperature performance. Energy and Environmental Science, 2015, 8, 1559-1568.	15.6	210
136	Electrochemical doping of three-dimensional graphene networks used as efficient electrocatalysts for oxygen reduction reaction. Nanoscale, 2015, 7, 9394-9398.	2.8	50
137	A general solid-state synthesis of chemically-doped fluorescent graphene quantum dots for bioimaging and optoelectronic applications. Nanoscale, 2015, 7, 10162-10169.	2.8	121
138	Surface modification-induced phase transformation of hexagonal close-packed gold square sheets. Nature Communications, 2015, 6, 6571.	5.8	195
139	Carbonâ€Based Sorbents with Threeâ€Dimensional Architectures for Water Remediation. Small, 2015, 11, 3319-3336.	5.2	166
140	A cyanine-modified upconversion nanoprobe for NIR-excited imaging of endogenous hydrogen peroxide signaling inÂvivo. Biomaterials, 2015, 54, 34-43.	5.7	75
141	Two-dimensional molybdenum disulphide nanosheet-covered metal nanoparticle array as a floating gate in multi-functional flash memories. Nanoscale, 2015, 7, 17496-17503.	2.8	28
142	Ultrathin Two-Dimensional Nanomaterials. ACS Nano, 2015, 9, 9451-9469.	7.3	1,726
143	Conformally deposited NiO on a hierarchical carbon support for high-power and durable asymmetric supercapacitors. Journal of Materials Chemistry A, 2015, 3, 23283-23288.	5.2	103
144	Hierarchical Ni-Mo-S nanosheets on carbon fiber cloth: A flexible electrode for efficient hydrogen generation in neutral electrolyte. Science Advances, 2015, 1, e1500259.	4.7	427

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145	Wet-chemical synthesis and applications of non-layer structured two-dimensional nanomaterials. Nature Communications, 2015, 6, 7873.	5.8	526
146	Porous nitrogen doped carbon foam with excellent resilience for self-supported oxygen reduction catalyst. Carbon, 2015, 95, 388-395.	5.4	77
147	Synthesis of high-quality lanthanide oxybromides nanocrystals with single-source precursor for promising applications in cancer cells imaging. Applied Materials Today, 2015, 1, 20-26.	2.3	20
148	Synthesis of 4H/fcc-Au@Metal Sulfide Coreâ€“Shell Nanoribbons. Journal of the American Chemical Society, 2015, 137, 10910-10913.	6.6	44
149	Two-dimensional synthetic templates. National Science Review, 2015, 2, 19-21.	4.6	6
150	Epitaxial Growth of Hetero-Nanostructures Based on Ultrathin Two-Dimensional Nanosheets. Journal of the American Chemical Society, 2015, 137, 12162-12174.	6.6	218
151	Ordered Porous Pd Octahedra Covered with Monolayer Ru Atoms. Journal of the American Chemical Society, 2015, 137, 14566-14569.	6.6	59
152	Liquidâ€Phase Epitaxial Growth of Twoâ€Dimensional Semiconductor Heteroâ€nanostructures. Angewandte Chemie - International Edition, 2015, 54, 1841-1845.	7.2	88
153	Graphene Quantum Dots Coated VO₂ Arrays for Highly Durable Electrodes for Li and Na Ion Batteries. Nano Letters, 2015, 15, 565-573.	4.5	493
154	Two-dimensional graphene analogues for biomedical applications. Chemical Society Reviews, 2015, 44, 2681-2701.	18.7	786
155	DNAâ€Templated Silver Nanoclusters for Multiplexed Fluorescent DNA Detection. Small, 2015, 11, 1385-1389.	5.2	106
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