Bo Chen

List of Publications by Year
in descending order

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206 papers	19,502 citations	13068 68 h-index	11899 134 g-index
215 all docs	215 docs citations	215 times ranked	23646 citing authors

#	Article	IF	Citations
1	2D Transitionâ€Metalâ€Dichalcogenideâ€Nanosheetâ€Based Composites for Photocatalytic and Electrocatalytic Hydrogen Evolution Reactions. Advanced Materials, 2016, 28, 1917-1933.	11.1	1,214
2	Two-Dimensional Metal Nanomaterials: Synthesis, Properties, and Applications. Chemical Reviews, 2018, 118, 6409-6455.	23.0	711
3	Iron-facilitated dynamic active-site generation on spinel CoAl2O4 with self-termination of surface reconstruction for water oxidation. Nature Catalysis, 2019, 2, 763-772.	16.1	678
4	Gut microbiota and intestinal FXR mediate the clinical benefits of metformin. Nature Medicine, 2018, 24, 1919-1929.	15.2	632
5	Carbon Fiber Aerogel Made from Raw Cotton: A Novel, Efficient and Recyclable Sorbent for Oils and Organic Solvents. Advanced Materials, 2013, 25, 5916-5921.	11.1	600
6	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
7	Oneâ€pot Synthesis of CdS Nanocrystals Hybridized with Singleâ€Layer Transitionâ€Metal Dichalcogenide Nanosheets for Efficient Photocatalytic Hydrogen Evolution. Angewandte Chemie - International Edition, 2015, 54, 1210-1214.	7.2	584
8	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
9	Bioinspired Design of Ultrathin 2D Bimetallic Metalâ€“Organicâ€Framework Nanosheets Used as Biomimetic Enzymes. Advanced Materials, 2016, 28, 4149-4155.	11.1	440
10	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
11	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
12	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
13	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
14	Enlarged Coï£¿O Covalency in Octahedral Sites Leading to Highly Efficient Spinel Oxides for Oxygen Evolution Reaction. Advanced Materials, 2018, 30, e1802912.	11.1	338
15	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
16	Layered Transition Metal Dichalcogenideâ€Based Nanomaterials for Electrochemical Energy Storage. Advanced Materials, 2020, 32, e1903826.	11.1	329
17	Singleâ€Layer Transition Metal Dichalcogenide Nanosheetâ€Based Nanosensors for Rapid, Sensitive, and Multiplexed Detection of DNA. Advanced Materials, 2015, 27, 935-939.	11.1	322
18	MoS2 nanoflower-decorated reduced graphene oxide paper for high-performance hydrogen evolution reaction. Nanoscale, 2014, 6, 5624.	2.8	320

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19	Hybridization of MOFs and COFs: A New Strategy for Construction of MOF@COF Coreâ€“Shell Hybrid Materials. Advanced Materials, 2018, 30, 1705454.	11.1	318
20	Covalency competition dominates the water oxidation structureâ€“activity relationship on spinel oxides. Nature Catalysis, 2020, 3, 554-563.	16.1	284
21	Controllable Design of MoS₂ Nanosheets Anchored on Nitrogenâ€Doped Graphene: Toward Fast Sodium Storage by Tunable Pseudocapacitance. Advanced Materials, 2018, 30, e1800658.	11.1	275
22	Au Nanoparticleâ€Modified MoS₂ Nanosheetâ€Based Photoelectrochemical Cells for Water Splitting. Small, 2014, 10, 3537-3543.	5.2	265
23	MOFâ€Based Hierarchical Structures for Solarâ€Thermal Clean Water Production. Advanced Materials, 2019, 31, e1808249.	11.1	233
24	Amorphous/Crystalline Heteroâ€Phase Pd Nanosheets: Oneâ€Pot Synthesis and Highly Selective Hydrogenation Reaction. Advanced Materials, 2018, 30, e1803234.	11.1	231
25	Synthesis of Ultrathin PdCu Alloy Nanosheets Used as a Highly Efficient Electrocatalyst for Formic Acid Oxidation. Advanced Materials, 2017, 29, 1700769.	11.1	207
26	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
27	Silicate-Enhanced Heterogeneous Flow-Through Electro-Fenton System Using Iron Oxides under Nanoconfinement. Environmental Science & Technology, 2021, 55, 4045-4053.	4.6	192
28	Ethylene Selectivity in Electrocatalytic CO₂ Reduction on Cu Nanomaterials: A Crystal Phase-Dependent Study. Journal of the American Chemical Society, 2020, 142, 12760-12766.	6.6	183
29	Tipâ€Enhanced Electric Field: A New Mechanism Promoting Mass Transfer in Oxygen Evolution Reactions. Advanced Materials, 2021, 33, e2007377.	11.1	179
30	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
31	Coating Two-Dimensional Nanomaterials with Metalâ€“Organic Frameworks. ACS Nano, 2014, 8, 8695-8701.	7.3	168
32	Carbonâ€Based Sorbents with Threeâ€Dimensional Architectures for Water Remediation. Small, 2015, 11, 3319-3336.	5.2	166
33	Ligandâ€Exchangeâ€Induced Amorphization of Pd Nanomaterials for Highly Efficient Electrocatalytic Hydrogen Evolution Reaction. Advanced Materials, 2020, 32, e1902964.	11.1	164
34	Crystal Phase and Architecture Engineering of Lotusâ€Thalamusâ€Shaped Ptâ€Ni Anisotropic Superstructures for Highly Efficient Electrochemical Hydrogen Evolution. Advanced Materials, 2018, 30, e1801741.	11.1	163
35	Molten Salt-Directed Catalytic Synthesis of 2D Layered Transition-Metal Nitrides for Efficient Hydrogen Evolution. CheM, 2020, 6, 2382-2394.	5.8	163
36	Flood-induced mortality across the globe: Spatiotemporal pattern and influencing factors. Science of the Total Environment, 2018, 643, 171-182.	3.9	156

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37	Surfactant assisted Ceâ€“Fe mixed oxide decorated multiwalled carbon nanotubes and their arsenic adsorption performance. Journal of Materials Chemistry A, 2013, 1, 11355.	5.2	151
38	Metalâ€“organic framework-derived mesoporous carbon nanoframes embedded with atomically dispersed Feâ€“N active sites for efficient bifunctional oxygen and carbon dioxide electroreduction. Applied Catalysis B: Environmental, 2020, 267, 118720.	10.8	151
39	Submonolayered Ru Deposited on Ultrathin Pd Nanosheets used for Enhanced Catalytic Applications. Advanced Materials, 2016, 28, 10282-10286.	11.1	148
40	Synthesis of PdM (M = Zn, Cd, ZnCd) Nanosheets with an Unconventional Face-Centered Tetragonal Phase as Highly Efficient Electrocatalysts for Ethanol Oxidation. ACS Nano, 2019, 13, 14329-14336.	7.3	133
41	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
42	Hydrogen-Intercalation-Induced Lattice Expansion of Pd@Pt Coreâ€“Shell Nanoparticles for Highly Efficient Electrocatalytic Alcohol Oxidation. Journal of the American Chemical Society, 2021, 143, 11262-11270.	6.6	121
43	Metastable 1Tâ€²-phase group VIB transition metal dichalcogenide crystals. Nature Materials, 2021, 20, 1113-1120.	13.3	119
44	Synthesis of RuNi alloy nanostructures composed of multilayered nanosheets for highly efficient electrocatalytic hydrogen evolution. Nano Energy, 2019, 66, 104173.	8.2	116
45	MoS2-coated vertical graphene nanosheet for high-performance rechargeable lithium-ion batteries and hydrogen production. NPG Asia Materials, 2016, 8, e268-e268.	3.8	113
46	Phase-Selective Epitaxial Growth of Heterophase Nanostructures on Unconventional 2H-Pd Nanoparticles. Journal of the American Chemical Society, 2020, 142, 18971-18980.	6.6	111
47	DNAâ€Templated Silver Nanoclusters for Multiplexed Fluorescent DNA Detection. Small, 2015, 11, 1385-1389.	5.2	106
48	Intercalation of organics into layered structures enables superior interface compatibility and fast charge diffusion for dendrite-free Zn anodes. Energy and Environmental Science, 2022, 15, 1682-1693.	15.6	105
49	Preparation of 1Tâ€²-Phase ReS₂_xSe₂₍₁₋_x₎ (x = 0â€“1) Nanodots for Highly Efficient Electrocatalytic Hydrogen Evolution Reaction. Journal of the American Chemical Society, 2018, 140, 8563-8568.	6.6	104
50	In Situ Synthesis of Metal Sulfide Nanoparticles Based on 2D Metalâ€Organic Framework Nanosheets. Small, 2016, 12, 4669-4674.	5.2	101
51	Selective Epitaxial Growth of Oriented Hierarchical Metalâ€“Organic Framework Heterostructures. Journal of the American Chemical Society, 2020, 142, 8953-8961.	6.6	100
52	Synthesis of Palladiumâ€Based Crystalline@Amorphous Coreâ€“Shell Nanoplates for Highly Efficient Ethanol Oxidation. Advanced Materials, 2020, 32, e2000482.	11.1	98
53	Bifunctional single-molecular heterojunction enables completely selective CO₂-to-CO conversion integrated with oxidative 3D nano-polymerization. Energy and Environmental Science, 2021, 14, 1544-1552.	15.6	95
54	Transmembrane Delivery of the Cell-Penetrating Peptide Conjugated Semiconductor Quantum Dots. Langmuir, 2008, 24, 11866-11871.	1.6	92

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55	Heterophase fcc-2H-fcc gold nanorods. Nature Communications, 2020, 11, 3293.	5.8	92
56	Liquidâ€Phase Epitaxial Growth of Twoâ€Dimensional Semiconductor Heteroâ€nanostructures. Angewandte Chemie - International Edition, 2015, 54, 1841-1845.	7.2	88
57	Preparation of Au@Pd Coreâ€“Shell Nanorods with fcc-2H-fcc Heterophase for Highly Efficient Electrocatalytic Alcohol Oxidation. Journal of the American Chemical Society, 2022, 144, 547-555.	6.6	88
58	Intramolecular Hydrogen Bonding-Based Topology Regulation of Two-Dimensional Covalent Organic Frameworks. Journal of the American Chemical Society, 2020, 142, 13162-13169.	6.6	85
59	Progressively Exposing Active Facets of 2D Nanosheets toward Enhanced Pseudocapacitive Response and Highâ€Rate Sodium Storage. Advanced Materials, 2019, 31, e1900526.	11.1	83
60	Confined Growth of Silverâ€“Copper Janus Nanostructures with {100} Facets for Highly Selective Tandem Electrocatalytic Carbon Dioxide Reduction. Advanced Materials, 2022, 34, e2110607.	11.1	82
61	Quantification of Cancer Biomarkers in Serum Using Scattering-Based Quantitative Single Particle Intensity Measurement with a Dark-Field Microscope. Analytical Chemistry, 2016, 88, 8849-8856.	3.2	81
62	Synthesis of Hierarchical 4H/fcc Ru Nanotubes for Highly Efficient Hydrogen Evolution in Alkaline Media. Small, 2018, 14, e1801090.	5.2	80
63	Size-Controlled and Size-Designed Synthesis of Nano/Submicrometer Ag Particles. Crystal Growth and Design, 2010, 10, 3378-3386.	1.4	79
64	Geology and geochemistry of the Baijiantanâ€“Baikouquan ophiolitic mÃ©langes: implications for geological evolution of west Junggar, Xinjiang, NW China. Geological Magazine, 2015, 152, 41-69.	0.9	78
65	A bright carbon-dot-based fluorescent probe for selective and sensitive detection of mercury ions. Talanta, 2016, 161, 476-481.	2.9	75
66	Aging amorphous/crystalline heterophase PdCu nanosheets for catalytic reactions. National Science Review, 2019, 6, 955-961.	4.6	75
67	Heterostructured TiO₂ Spheres with Tunable Interiors and Shells toward Improved Packing Density and Pseudocapacitive Sodium Storage. Advanced Materials, 2019, 31, e1904589.	11.1	73
68	Characteristics of aquatic bacterial community and the influencing factors in an urban river. Science of the Total Environment, 2016, 569-570, 382-389.	3.9	72
69	AuAg Nanosheets Assembled from Ultrathin AuAg Nanowires. Journal of the American Chemical Society, 2015, 137, 1444-1447.	6.6	68
70	Ultrathin Amorphous/Crystalline Heterophase Rh and Rh Alloy Nanosheets as Tandem Catalysts for Direct Indole Synthesis. Advanced Materials, 2021, 33, e2006711.	11.1	68
71	Transformable masks for colloidal nanosynthesis. Nature Communications, 2018, 9, 563.	5.8	67
72	Synthesis of Pd₃Sn and PdCuSn Nanorods with L1₂ Phase for Highly Efficient Electrocatalytic Ethanol Oxidation. Advanced Materials, 2022, 34, e2106115.	11.1	65

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73	Evoking ordered vacancies in metallic nanostructures toward a vacated Barlow packing for high-performance hydrogen evolution. Science Advances, 2021, 7, .	4.7	64
74	Electronic Effect Directed Au(I)-Catalyzed Cyclic C2â€“H Bond Functionalization of 3-Allenylindoles. Organic Letters, 2012, 14, 3616-3619.	2.4	63
75	Composition- and phase-controlled synthesis and applications of alloyed phase heterostructures of transition metal disulphides. Nanoscale, 2017, 9, 5102-5109.	2.8	63
76	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
77	Seeded Synthesis of Unconventional 2H-Phase Pd Alloy Nanomaterials for Highly Efficient Oxygen Reduction. Journal of the American Chemical Society, 2021, 143, 17292-17299.	6.6	59
78	Anodized Aluminum Oxide Templated Synthesis of Metalâ€“Organic Frameworks Used as Membrane Reactors. Angewandte Chemie - International Edition, 2017, 56, 578-581.	7.2	57
79	Selective Epitaxial Growth of Rh Nanorods on 2H/fcc Heterophase Au Nanosheets to Form 1D/2D Rhâ€“Au Heterostructures for Highly Efficient Hydrogen Evolution. Journal of the American Chemical Society, 2021, 143, 4387-4396.	6.6	56
80	N- and S- co-doped graphene sheet-encapsulated Co9S8 nanomaterials as excellent electrocatalysts for the oxygen evolution reaction. Journal of Power Sources, 2019, 417, 90-98.	4.0	52
81	Single-crystalline Bi₂Fe₄O₉ synthesized by low-temperature co-precipitation: performance as photo- and Fenton catalysts. RSC Advances, 2014, 4, 27820-27829.	1.7	51
82	Suppressing the intestinal farnesoid X receptor/sphingomyelin phosphodiesterase 3 axis decreases atherosclerosis. Journal of Clinical Investigation, 2021, 131, .	3.9	50
83	Chitosan nanoparticles for loading of toothpaste actives and adhesion on tooth analogs. Journal of Applied Polymer Science, 2007, 106, 4248-4256.	1.3	49
84	Realization of vertical metal semiconductor heterostructures via solution phase epitaxy. Nature Communications, 2018, 9, 3611.	5.8	49
85	Preparation of fccâ€2Hâ€fcc Heterophase Pd@Ir Nanostructures for Highâ€Performance Electrochemical Hydrogen Evolution. Advanced Materials, 2022, 34, e2107399.	11.1	48
86	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
87	Self-Assembled Fluorescent Bovine Serum Albumin Nanoprobes for Ratiometric pH Measurement inside Living Cells. ACS Applied Materials & Interfaces, 2016, 8, 9629-9634.	4.0	47
88	Optical Spectroscopy of Single Colloidal CsPbBr₃ Perovskite Nanoplatelets. Nano Letters, 2020, 20, 3673-3680.	4.5	47
89	Elemental Segregation in Multimetallic Coreâ€“Shell Nanoplates. Journal of the American Chemical Society, 2019, 141, 14496-14500.	6.6	46
90	Ruthenium nanoclusters anchored on cobalt phosphide hollow microspheres by green phosphating process for full water splitting in acidic electrolyte. Chinese Chemical Letters, 2021, 32, 511-515.	4.8	46

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91	Transforming Monolayer Transition-Metal Dichalcogenide Nanosheets into One-Dimensional Nanoscrolls with High Photosensitivity. ACS Applied Materials & Interfaces, 2018, 10, 13011-13018.	4.0	45
92	Synthesis of MoX2 (X = Se or S) monolayers with high-concentration 1Tâ€² phase on 4H/fcc-Au nanorods for hydrogen evolution. Nano Research, 2019, 12, 1301-1305.	5.8	44
93	A Gasâ€Phase Migration Strategy to Synthesize Atomically Dispersed Mnâ€Nâ€C Catalysts for Znâ€“Air Batteries. Small Methods, 2021, 5, e2100024.	4.6	44
94	Effect of glutenin and gliadin modified by protein-glutaminase on retrogradation properties and digestibility of potato starch. Food Chemistry, 2019, 301, 125226.	4.2	43
95	Hybrid Flexible Resistive Random Access Memoryâ€Gated Transistor for Novel Nonvolatile Data Storage. Small, 2016, 12, 390-396.	5.2	42
96	Isoreticular Series of Two-Dimensional Covalent Organic Frameworks with the kgd Topology and Controllable Micropores. Journal of the American Chemical Society, 2022, 144, 6475-6482.	6.6	41
97	Highly stable magnetic multiwalled carbon nanotube composites for solid-phase extraction of linear alkylbenzene sulfonates in environmental water samples prior to high-performance liquid chromatography analysis. Analyst, The, 2012, 137, 1232.	1.7	39
98	Decreasing the Overpotential of Aprotic Liâ€CO₂ Batteries with the Inâ€Plane Alloy Structure in Ultrathin 2D Ruâ€Based Nanosheets. Advanced Functional Materials, 2022, 32, .	7.8	39
99	A fluorometric biosensor based on H2O2-sensitive nanoclusters for the detection of acetylcholine. Biosensors and Bioelectronics, 2014, 59, 289-292.	5.3	38
100	Rapid Analysis of Bisphenol A and Its Analogues in Food Packaging Products by Paper Spray Ionization Mass Spectrometry. Journal of Agricultural and Food Chemistry, 2017, 65, 4859-4865.	2.4	38
101	In vitro evaluation of cytotoxicity and oxidative stress induced by multiwalled carbon nanotubes in murine RAW 264.7 macrophages and human A549 lung cells. Biomedical and Environmental Sciences, 2011, 24, 593-601.	0.2	38
102	Fabrication of folic acid-sensitive gold nanoclusters for turn-on fluorescent imaging of overexpression of folate receptor in tumor cells. Talanta, 2016, 158, 118-124.	2.9	36
103	NaF-mediated controlled-synthesis of multicolor Na_xScF_{3+x}:Yb/Er upconversion nanocrystals. Nanoscale, 2015, 7, 4048-4054.	2.8	33
104	A universal method for rapid and largeâ€scale growth of layered crystals. SmartMat, 2020, 1, e1011.	6.4	33
105	Crystal phase-controlled growth of PtCu and PtCo alloys on 4H Au nanoribbons for electrocatalytic ethanol oxidation reaction. Nano Research, 2020, 13, 1970-1975.	5.8	32
106	Bioinspired Synthesis of Nortriterpenoid Propindilactone G. Journal of the American Chemical Society, 2020, 142, 5007-5012.	6.6	32
107	Macrophage HIF-2Î± suppresses NLRP3 inflammasome activation and alleviates insulin resistance. Cell Reports, 2021, 36, 109607.	2.9	32
108	New urea-modified paper substrate for enhanced analytical performance of negative ion mode paper spray mass spectrometry. Talanta, 2017, 166, 306-314.	2.9	31

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109	Free-standing 2D nanorafts by assembly of 1D nanorods for biomolecule sensing. Nanoscale, 2019, 11, 12169-12176.	2.8	30
110	Rapid analysis of benzoic acid and vitamin C in beverages by paper spray mass spectrometry. Food Chemistry, 2018, 268, 411-415.	4.2	29
111	Glutathione-mediated formation of disulfide bonds modulates the properties of myofibrillar protein gels at different temperatures. Food Chemistry, 2021, 364, 130356.	4.2	29
112	Preparation of Amorphous SnO₂â€Encapsulated Multiphased Crystalline Cu Heterostructures for Highly Efficient CO₂ Reduction. Advanced Materials, 2022, 34, e2201114.	11.1	29
113	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
114	Transition metal dichalcogenide/multi-walled carbon nanotube-based fibers as flexible electrodes for electrocatalytic hydrogen evolution. Chemical Communications, 2020, 56, 5131-5134.	2.2	28
115	Preparation of graphene-MoS2 hybrid aerogels as multifunctional sorbents for water remediation. Science China Materials, 2017, 60, 1102-1108.	3.5	27
116	An assessment of melamine exposure in Shanghai adults and its association with food consumption. Environment International, 2020, 135, 105363.	4.8	27
117	Defect-Rich Hierarchical Porous UiO-66(Zr) for Tunable Phosphate Removal. Environmental Science & Technology, 2021, 55, 13209-13218.	4.6	27
118	Hybridization of 2D Nanomaterials with 3D Graphene Architectures for Electrochemical Energy Storage and Conversion. Advanced Functional Materials, 2022, 32, .	7.8	26
119	Unusual 4H-phase twinned noble metal nanokites. Nature Communications, 2019, 10, 2881.	5.8	25
120	Additive-assisted synthesis of boride, carbide, and nitride micro/nanocrystals. Journal of Solid State Chemistry, 2012, 194, 219-224.	1.4	24
121	General Fabrication of Boride, Carbide, and Nitride Nanocrystals via a Metal-Hydrolysis-Assisted Process. Inorganic Chemistry, 2017, 56, 2440-2447.	1.9	23
122	Water transport confined in graphene oxide channels through the rarefied effect. Physical Chemistry Chemical Physics, 2018, 20, 9780-9786.	1.3	23
123	Rapid Analysis of Illegal Cationic Dyes in Foods and Surface Waters Using High Temperature Direct Analysis in Real Time High-Resolution Mass Spectrometry. Journal of Agricultural and Food Chemistry, 2018, 66, 7542-7549.	2.4	23
124	Defect-Rich, Candied Haws-Shaped AuPtNi Alloy Nanostructures for Highly Efficient Electrocatalysis. CCS Chemistry, 2020, 2, 24-30.	4.6	23
125	Precise Dimerization of Hollow Fullerene Compartments. Journal of the American Chemical Society, 2020, 142, 15396-15402.	6.6	22
126	Impeding Catalyst Sulfur Poisoning in Aqueous Solution by Metalâ€“Organic Framework Composites. Small Methods, 2020, 4, 1900890.	4.6	22

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127	Single Particle Tracking of Peptides-Modified Nanocargo on Lipid Membrane Revealing Bulk-Mediated Diffusion. Analytical Chemistry, 2016, 88, 11973-11977.	3.2	21
128	Facile â€œone-potâ€•synthesis of poly(methacrylic acid)-based hybrid monolith via thiol-ene click reaction for hydrophilic interaction chromatography. Journal of Chromatography A, 2016, 1454, 49-57.	1.8	21
129	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
130	Spatial Variability and Temporal Persistence of Event Runoff Coefficients for Cropland Hillslopes. Water Resources Research, 2019, 55, 1583-1597.	1.7	21
131	Pulsed elution modulation for on-line comprehensive two-dimensional liquid chromatography coupling reversed phase liquid chromatography and hydrophilic interaction chromatography. Journal of Chromatography A, 2019, 1583, 98-107.	1.8	21
132	Construction of a Sandwiched MOF@COF Composite as a Size-Selective Catalyst. Cell Reports Physical Science, 2020, 1, 100272.	2.8	21
133	Phosphineâ€Free, Lowâ€Temperature Synthesis of Tetrapodâ€Shaped CdS and Its Hybrid with Au Nanoparticles. Small, 2014, 10, 4727-4734.	5.2	20
134	An iTRAQ-Based Proteomics Approach to Clarify the Molecular Physiology of Somatic Embryo Development in Prince Rupprecht's Larch (Larix principis-rupprechtii Mayr). PLoS ONE, 2015, 10, e0119987.	1.1	20
135	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
136	Association of Dietary Pattern during Pregnancy and Gestational Diabetes Mellitus: A Prospective Cohort Study in Northern China. Biomedical and Environmental Sciences, 2017, 30, 887-897.	0.2	19
137	Saltâ€Assisted 2Hâ€toâ€1Tâ€² Phase Transformation of Transition Metal Dichalcogenides. Advanced Materials, 2022, 34, e2201194.	11.1	19
138	Controlled Synthesis of Uniform Na_xScF_{3+x} Nanopolyhedrons, Nanoplates, Nanorods, and Nanospheres Using Solvents. Crystal Growth and Design, 2015, 15, 2988-2993.	1.4	18
139	Rapid analysis of Aurantii Fructus Immaturus (Zhishi) using paper spray ionization mass spectrometry. Journal of Pharmaceutical and Biomedical Analysis, 2017, 137, 204-212.	1.4	18
140	Anodized Aluminum Oxide Templated Synthesis of Metalâ€“Organic Frameworks Used as Membrane Reactors. Angewandte Chemie, 2017, 129, 593-596.	1.6	18
141	Stochastic micromechanical predictions for the probabilistic behavior of saturated concrete repaired by the electrochemical deposition method. International Journal of Damage Mechanics, 2020, 29, 435-453.	2.4	18
142	Liquid Nanoparticles: Manipulating the Nucleation and Growth of Nanoscale Droplets. Angewandte Chemie - International Edition, 2021, 60, 3047-3054.	7.2	18
143	Quasiâ€Epitaxial Growth of Magnetic Nanostructures on 4Hâ€Au Nanoribbons. Advanced Materials, 2021, 33, e2007140.	11.1	18
144	Intensive Versus Extensive Events? Insights from Cumulative Flood-Induced Mortality Over the Globe, 1976â€“2016. International Journal of Disaster Risk Science, 2020, 11, 441-451.	1.3	17

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145	The establishment of the fertile fish lineages derived from distant hybridization by overcoming the reproductive barriers. Reproduction, 2020, 159, R237-R249.	1.1	17
146	Two-dimensional covalent organic framework nanosheets: Synthesis and energy-related applications. Chinese Chemical Letters, 2022, 33, 2867-2882.	4.8	17
147	TaS2 nanosheet-based room-temperature dosage meter for nitric oxide. APL Materials, 2014, 2, .	2.2	16
148	Facile synthesis of Cu₂O nanocages and gas sensing performance towards gasoline. RSC Advances, 2015, 5, 54433-54438.	1.7	16
149	A simple electrochemical method for conversion of Pt wires to Pt concave icosahedra and nanocubes on carbon paper for electrocatalytic hydrogen evolution. Science China Materials, 2019, 62, 115-121.	3.5	16
150	Sizeâ€Ðependent Phase Transformation of Noble Metal Nanomaterials. Small, 2019, 15, e1903253.	5.2	16
151	Rapid analysis of Callicarpa L. using direct spray ionization mass spectrometry. Journal of Pharmaceutical and Biomedical Analysis, 2016, 124, 93-103.	1.4	15
152	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.	4.0	15
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