

# Bo Chen

## List of Publications by Year in descending order

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206  
papers

19,502  
citations

13099

68  
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11939

134  
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215  
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215  
docs citations

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times ranked

23646  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Two-Dimensional Metal Nanomaterials: Synthesis, Properties, and Applications. <i>Chemical Reviews</i> , 2018, 118, 6409-6455.	47.7	711
3	Iron-facilitated dynamic active-site generation on spinel CoAl <sub>2</sub> O <sub>4</sub> with self-termination of surface reconstruction for water oxidation. <i>Nature Catalysis</i> , 2019, 2, 763-772.	34.4	678
4	Gut microbiota and intestinal FXR mediate the clinical benefits of metformin. <i>Nature Medicine</i> , 2018, 24, 1919-1929.	30.7	632
5	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
6	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
7	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
8	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
9	Bioinspired Design of Ultrathin 2D Bimetallic Metal-Organic Framework Nanosheets Used as Biomimetic Enzymes. <i>Advanced Materials</i> , 2016, 28, 4149-4155.	21.0	440
10	Ultrathin Two-Dimensional Covalent Organic Framework Nanosheets: Preparation and Application in Highly Sensitive and Selective DNA Detection. <i>Journal of the American Chemical Society</i> , 2017, 139, 8698-8704.	13.7	440
11	Reduced Graphene Oxide-Wrapped MoO <sub>3</sub> Composites Prepared by Using Metal-Organic Frameworks as Precursor for All-Solid-State Flexible Supercapacitors. <i>Advanced Materials</i> , 2015, 27, 4695-4701.	21.0	388
12	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
13	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
14	Enlarged Co $\ddot{\text{O}}$ Covalency in Octahedral Sites Leading to Highly Efficient Spinel Oxides for Oxygen Evolution Reaction. <i>Advanced Materials</i> , 2018, 30, e1802912.	21.0	338
15	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
16	Layered Transition Metal Dichalcogenide-Based Nanomaterials for Electrochemical Energy Storage. <i>Advanced Materials</i> , 2020, 32, e1903826.	21.0	329
17	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
18	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

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19	Hybridization of MOFs and COFs: A New Strategy for Construction of MOF@COF Core-Shell Hybrid Materials. <i>Advanced Materials</i> , 2018, 30, 1705454.	21.0	318
20	Covalency competition dominates the water oxidation structure-activity relationship on spinel oxides. <i>Nature Catalysis</i> , 2020, 3, 554-563.	34.4	284
21	Controllable Design of MoS <sub>2</sub> Nanosheets Anchored on Nitrogen-Doped Graphene: Toward Fast Sodium Storage by Tunable Pseudocapacitance. <i>Advanced Materials</i> , 2018, 30, e1800658.	21.0	275
22	Au Nanoparticle-Modified MoS <sub>2</sub> Nanosheet-Based Photoelectrochemical Cells for Water Splitting. <i>Small</i> , 2014, 10, 3537-3543.	10.0	265
23	MOF-Based Hierarchical Structures for Solar-Thermal Clean Water Production. <i>Advanced Materials</i> , 2019, 31, e1808249.	21.0	233
24	Amorphous/Crystalline Hetero-Phase Pd Nanosheets: One-Pot Synthesis and Highly Selective Hydrogenation Reaction. <i>Advanced Materials</i> , 2018, 30, e1803234.	21.0	231
25	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
26	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
27	Silicate-Enhanced Heterogeneous Flow-Through Electro-Fenton System Using Iron Oxides under Nanoconfinement. <i>Environmental Science &amp; Technology</i> , 2021, 55, 4045-4053.	10.0	192
28	Ethylene Selectivity in Electrocatalytic CO <sub>2</sub> Reduction on Cu Nanomaterials: A Crystal Phase-Dependent Study. <i>Journal of the American Chemical Society</i> , 2020, 142, 12760-12766.	13.7	183
29	Tip-Enhanced Electric Field: A New Mechanism Promoting Mass Transfer in Oxygen Evolution Reactions. <i>Advanced Materials</i> , 2021, 33, e2007377.	21.0	179
30	Improved Reversibility of Fe <sup>3+</sup> /Fe <sup>2+</sup> Redox Couple in Sodium Super Ion Conductor Type Na <sub>3</sub> Fe <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> for Sodium-Ion Batteries. <i>Advanced Materials</i> , 2017, 29, 1605694.	21.0	169
31	Coating Two-Dimensional Nanomaterials with Metal-Organic Frameworks. <i>ACS Nano</i> , 2014, 8, 8695-8701.	14.6	168
32	Carbon-Based Sorbents with Three-Dimensional Architectures for Water Remediation. <i>Small</i> , 2015, 11, 3319-3336.	10.0	166
33	Ligand-Exchange-Induced Amorphization of Pd Nanomaterials for Highly Efficient Electrocatalytic Hydrogen Evolution Reaction. <i>Advanced Materials</i> , 2020, 32, e1902964.	21.0	164
34	Crystal Phase and Architecture Engineering of Lotus-Thalamus-Shaped Pt-Ni Anisotropic Superstructures for Highly Efficient Electrochemical Hydrogen Evolution. <i>Advanced Materials</i> , 2018, 30, e1801741.	21.0	163
35	Molten Salt-Directed Catalytic Synthesis of 2D Layered Transition-Metal Nitrides for Efficient Hydrogen Evolution. <i>CheM</i> , 2020, 6, 2382-2394.	11.7	163
36	Flood-induced mortality across the globe: Spatiotemporal pattern and influencing factors. <i>Science of the Total Environment</i> , 2018, 643, 171-182.	8.0	156

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37	Surfactant assisted Ce-Fe mixed oxide decorated multiwalled carbon nanotubes and their arsenic adsorption performance. <i>Journal of Materials Chemistry A</i> , 2013, 1, 11355.	10.3	151
38	Metal-organic framework-derived mesoporous carbon nanoframes embedded with atomically dispersed Fe-N active sites for efficient bifunctional oxygen and carbon dioxide electroreduction. <i>Applied Catalysis B: Environmental</i> , 2020, 267, 118720.	20.2	151
39	Submonolayered Ru Deposited on Ultrathin Pd Nanosheets used for Enhanced Catalytic Applications. <i>Advanced Materials</i> , 2016, 28, 10282-10286.	21.0	148
40	Synthesis of PdM (M = Zn, Cd, ZnCd) Nanosheets with an Unconventional Face-Centered Tetragonal Phase as Highly Efficient Electrocatalysts for Ethanol Oxidation. <i>ACS Nano</i> , 2019, 13, 14329-14336.	14.6	133
41	Preparation of Single-Layer MoS <sub>2</sub> and MoS <sub>2</sub> Se and MoS <sub>2</sub> W Nanosheets with High Concentration Metallic 1T Phase. <i>Small</i> , 2016, 12, 1866-1874.	10.0	126
42	Hydrogen-Intercalation-Induced Lattice Expansion of Pd@Pt Core-Shell Nanoparticles for Highly Efficient Electrocatalytic Alcohol Oxidation. <i>Journal of the American Chemical Society</i> , 2021, 143, 11262-11270.	13.7	121
43	Metastable 1T <sup>-2</sup> -phase group VIB transition metal dichalcogenide crystals. <i>Nature Materials</i> , 2021, 20, 1113-1120.	27.5	119
44	Synthesis of RuNi alloy nanostructures composed of multilayered nanosheets for highly efficient electrocatalytic hydrogen evolution. <i>Nano Energy</i> , 2019, 66, 104173.	16.0	116
45	MoS <sub>2</sub> -coated vertical graphene nanosheet for high-performance rechargeable lithium-ion batteries and hydrogen production. <i>NPG Asia Materials</i> , 2016, 8, e268-e268.	7.9	113
46	Phase-Selective Epitaxial Growth of Heterophase Nanostructures on Unconventional 2H-Pd Nanoparticles. <i>Journal of the American Chemical Society</i> , 2020, 142, 18971-18980.	13.7	111
47	DNA-Templated Silver Nanoclusters for Multiplexed Fluorescent DNA Detection. <i>Small</i> , 2015, 11, 1385-1389.	10.0	106
48	Intercalation of organics into layered structures enables superior interface compatibility and fast charge diffusion for dendrite-free Zn anodes. <i>Energy and Environmental Science</i> , 2022, 15, 1682-1693.	30.8	105
49	Preparation of 1T <sup>-2</sup> -Phase ReS <sub>2</sub> Se <sub>2</sub> (1-x) Nanodots for Highly Efficient Electrocatalytic Hydrogen Evolution Reaction. <i>Journal of the American Chemical Society</i> , 2018, 140, 8563-8568.	13.7	104
50	In Situ Synthesis of Metal Sulfide Nanoparticles Based on 2D Metal-Organic Framework Nanosheets. <i>Small</i> , 2016, 12, 4669-4674.	10.0	101
51	Selective Epitaxial Growth of Oriented Hierarchical Metal-Organic Framework Heterostructures. <i>Journal of the American Chemical Society</i> , 2020, 142, 8953-8961.	13.7	100
52	Synthesis of Palladium-Based Crystalline@Amorphous Core-Shell Nanoplates for Highly Efficient Ethanol Oxidation. <i>Advanced Materials</i> , 2020, 32, e2000482.	21.0	98
53	Bifunctional single-molecular heterojunction enables completely selective CO <sub>2</sub> -to-CO conversion integrated with oxidative 3D nano-polymerization. <i>Energy and Environmental Science</i> , 2021, 14, 1544-1552.	30.8	95
54	Transmembrane Delivery of the Cell-Penetrating Peptide Conjugated Semiconductor Quantum Dots. <i>Langmuir</i> , 2008, 24, 11866-11871.	3.5	92

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55	Heterophase fcc-2H-fcc gold nanorods. <i>Nature Communications</i> , 2020, 11, 3293.	12.8	92
56	Liquid-Phase Epitaxial Growth of Two-Dimensional Semiconductor Hetero-nanostructures. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 1841-1845.	13.8	88
57	Preparation of Au@Pd Core-Shell Nanorods with fcc-2H-fcc Heterophase for Highly Efficient Electrocatalytic Alcohol Oxidation. <i>Journal of the American Chemical Society</i> , 2022, 144, 547-555.	13.7	88
58	Intramolecular Hydrogen Bonding-Based Topology Regulation of Two-Dimensional Covalent Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2020, 142, 13162-13169.	13.7	85
59	Progressively Exposing Active Facets of 2D Nanosheets toward Enhanced Pseudocapacitive Response and High-Rate Sodium Storage. <i>Advanced Materials</i> , 2019, 31, e1900526.	21.0	83
60	Confined Growth of Silver-Copper Janus Nanostructures with {100} Facets for Highly Selective Tandem Electrocatalytic Carbon Dioxide Reduction. <i>Advanced Materials</i> , 2022, 34, e2110607.	21.0	82
61	Quantification of Cancer Biomarkers in Serum Using Scattering-Based Quantitative Single Particle Intensity Measurement with a Dark-Field Microscope. <i>Analytical Chemistry</i> , 2016, 88, 8849-8856.	6.5	81
62	Synthesis of Hierarchical 4H/fcc Ru Nanotubes for Highly Efficient Hydrogen Evolution in Alkaline Media. <i>Small</i> , 2018, 14, e1801090.	10.0	80
63	Size-Controlled and Size-Designed Synthesis of Nano/Submicrometer Ag Particles. <i>Crystal Growth and Design</i> , 2010, 10, 3378-3386.	3.0	79
64	Geology and geochemistry of the Bajiantan-Baikouquan ophiolitic complexes: implications for geological evolution of west Junggar, Xinjiang, NW China. <i>Geological Magazine</i> , 2015, 152, 41-69.	1.5	78
65	A bright carbon-dot-based fluorescent probe for selective and sensitive detection of mercury ions. <i>Talanta</i> , 2016, 161, 476-481.	5.5	75
66	Aging amorphous/crystalline heterophase PdCu nanosheets for catalytic reactions. <i>National Science Review</i> , 2019, 6, 955-961.	9.5	75
67	Heterostructured TiO <sub>2</sub> Spheres with Tunable Interiors and Shells toward Improved Packing Density and Pseudocapacitive Sodium Storage. <i>Advanced Materials</i> , 2019, 31, e1904589.	21.0	73
68	Characteristics of aquatic bacterial community and the influencing factors in an urban river. <i>Science of the Total Environment</i> , 2016, 569-570, 382-389.	8.0	72
69	AuAg Nanosheets Assembled from Ultrathin AuAg Nanowires. <i>Journal of the American Chemical Society</i> , 2015, 137, 1444-1447.	13.7	68
70	Ultrathin Amorphous/Crystalline Heterophase Rh and Rh Alloy Nanosheets as Tandem Catalysts for Direct Indole Synthesis. <i>Advanced Materials</i> , 2021, 33, e2006711.	21.0	68
71	Transformable masks for colloidal nanosynthesis. <i>Nature Communications</i> , 2018, 9, 563.	12.8	67
72	Synthesis of Pd <sub>3</sub> Sn and PdCuSn Nanorods with L1 <sub>2</sub> Phase for Highly Efficient Electrocatalytic Ethanol Oxidation. <i>Advanced Materials</i> , 2022, 34, e2106115.	21.0	65

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73	Evoking ordered vacancies in metallic nanostructures toward a vacated Barlow packing for high-performance hydrogen evolution. <i>Science Advances</i> , 2021, 7, .	10.3	64
74	Electronic Effect Directed Au(I)-Catalyzed Cyclic C2=C-H Bond Functionalization of 3-Allenylindoles. <i>Organic Letters</i> , 2012, 14, 3616-3619.	4.6	63
75	Composition- and phase-controlled synthesis and applications of alloyed phase heterostructures of transition metal disulphides. <i>Nanoscale</i> , 2017, 9, 5102-5109.	5.6	63
76	Preparation of Ultrathin Two-Dimensional Ti <sub>x</sub> Ta <sub>1-x</sub> S <sub>y</sub> O <sub>z</sub> Nanosheets as Highly Efficient Photothermal Agents. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7842-7846.	13.8	59
77	Seeded Synthesis of Unconventional 2H-Phase Pd Alloy Nanomaterials for Highly Efficient Oxygen Reduction. <i>Journal of the American Chemical Society</i> , 2021, 143, 17292-17299.	13.7	59
78	Anodized Aluminum Oxide Templated Synthesis of Metal-Organic Frameworks Used as Membrane Reactors. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 578-581.	13.8	57
79	Selective Epitaxial Growth of Rh Nanorods on 2H/fcc Heterophase Au Nanosheets to Form 1D/2D Rh-Au Heterostructures for Highly Efficient Hydrogen Evolution. <i>Journal of the American Chemical Society</i> , 2021, 143, 4387-4396.	13.7	56
80	N- and S- co-doped graphene sheet-encapsulated Co <sub>9</sub> S <sub>8</sub> nanomaterials as excellent electrocatalysts for the oxygen evolution reaction. <i>Journal of Power Sources</i> , 2019, 417, 90-98.	7.8	52
81	Single-crystalline Bi <sub>2</sub> Fe <sub>4</sub> O <sub>9</sub> synthesized by low-temperature co-precipitation: performance as photo- and Fenton catalysts. <i>RSC Advances</i> , 2014, 4, 27820-27829.	3.6	51
82	Suppressing the intestinal farnesoid X receptor/sphingomyelin phosphodiesterase 3 axis decreases atherosclerosis. <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	50
83	Chitosan nanoparticles for loading of toothpaste actives and adhesion on tooth analogs. <i>Journal of Applied Polymer Science</i> , 2007, 106, 4248-4256.	2.6	49
84	Realization of vertical metal semiconductor heterostructures via solution phase epitaxy. <i>Nature Communications</i> , 2018, 9, 3611.	12.8	49
85	Preparation of fcc-Heterophase Pd@Ir Nanostructures for High-Performance Electrochemical Hydrogen Evolution. <i>Advanced Materials</i> , 2022, 34, e2107399.	21.0	48
86	Weavable, High-Performance, Solid-State Supercapacitors Based on Hybrid Fibers Made of Sandwiched Structure of MWCNT/rGO/MWCNT. <i>Advanced Electronic Materials</i> , 2016, 2, 1600102.	5.1	47
87	Self-Assembled Fluorescent Bovine Serum Albumin Nanoprobes for Ratiometric pH Measurement inside Living Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 9629-9634.	8.0	47
88	Optical Spectroscopy of Single Colloidal CsPbBr <sub>3</sub> Perovskite Nanoplatelets. <i>Nano Letters</i> , 2020, 20, 3673-3680.	9.1	47
89	Elemental Segregation in Multimetallic Core-Shell Nanoplates. <i>Journal of the American Chemical Society</i> , 2019, 141, 14496-14500.	13.7	46
90	Ruthenium nanoclusters anchored on cobalt phosphide hollow microspheres by green phosphating process for full water splitting in acidic electrolyte. <i>Chinese Chemical Letters</i> , 2021, 32, 511-515.	9.0	46

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91	Transforming Monolayer Transition-Metal Dichalcogenide Nanosheets into One-Dimensional Nanoscrolls with High Photosensitivity. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 13011-13018.	8.0	45
92	Synthesis of MoX <sub>2</sub> (X = Se or S) monolayers with high-concentration 1T phase on 4H/fcc-Au nanorods for hydrogen evolution. <i>Nano Research</i> , 2019, 12, 1301-1305.	10.4	44
93	A Gas-Phase Migration Strategy to Synthesize Atomically Dispersed Mn Nanoclusters for Zn-Air Batteries. <i>Small Methods</i> , 2021, 5, e2100024.	8.6	44
94	Effect of glutenin and gliadin modified by protein-glutaminase on retrogradation properties and digestibility of potato starch. <i>Food Chemistry</i> , 2019, 301, 125226.	8.2	43
95	Hybrid Flexible Resistive Random Access Memory-Gated Transistor for Novel Nonvolatile Data Storage. <i>Small</i> , 2016, 12, 390-396.	10.0	42
96	Isorecticular Series of Two-Dimensional Covalent Organic Frameworks with the kgd Topology and Controllable Micropores. <i>Journal of the American Chemical Society</i> , 2022, 144, 6475-6482.	13.7	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. <i>Analyst</i> , 2012, 137, 1232.	3.5	39
98	Decreasing the Overpotential of Aprotic Li <sup>+</sup> Batteries with the In-Plane Alloy Structure in Ultrathin 2D Ru-Based Nanosheets. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	39
99	A fluorometric biosensor based on H <sub>2</sub> O <sub>2</sub> -sensitive nanoclusters for the detection of acetylcholine. <i>Biosensors and Bioelectronics</i> , 2014, 59, 289-292.	10.1	38
100	Rapid Analysis of Bisphenol A and Its Analogues in Food Packaging Products by Paper Spray Ionization Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 4859-4865.	5.2	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. <i>Biomedical and Environmental Sciences</i> , 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. <i>Talanta</i> , 2016, 158, 118-124.	5.5	36
103	NaF-mediated controlled-synthesis of multicolor Na <sub>x</sub> ScF <sub>3+x</sub> :Yb/Er upconversion nanocrystals. <i>Nanoscale</i> , 2015, 7, 4048-4054.	5.6	33
104	A universal method for rapid and large-scale growth of layered crystals. <i>SmartMat</i> , 2020, 1, e1011.	10.7	33
105	Crystal phase-controlled growth of PtCu and PtCo alloys on 4H Au nanoribbons for electrocatalytic ethanol oxidation reaction. <i>Nano Research</i> , 2020, 13, 1970-1975.	10.4	32
106	Bioinspired Synthesis of Nortriterpenoid Propindilactone G. <i>Journal of the American Chemical Society</i> , 2020, 142, 5007-5012.	13.7	32
107	Macrophage HIF-2 <sup>±</sup> suppresses NLRP3 inflammasome activation and alleviates insulin resistance. <i>Cell Reports</i> , 2021, 36, 109607.	6.4	32
108	New urea-modified paper substrate for enhanced analytical performance of negative ion mode paper spray mass spectrometry. <i>Talanta</i> , 2017, 166, 306-314.	5.5	31

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109	Free-standing 2D nanorrafts by assembly of 1D nanorods for biomolecule sensing. <i>Nanoscale</i> , 2019, 11, 12169-12176.	5.6	30
110	Rapid analysis of benzoic acid and vitamin C in beverages by paper spray mass spectrometry. <i>Food Chemistry</i> , 2018, 268, 411-415.	8.2	29
111	Glutathione-mediated formation of disulfide bonds modulates the properties of myofibrillar protein gels at different temperatures. <i>Food Chemistry</i> , 2021, 364, 130356.	8.2	29
112	Preparation of Amorphous SnO <sub>2</sub> Encapsulated Multiphased Crystalline Cu Heterostructures for Highly Efficient CO <sub>2</sub> Reduction. <i>Advanced Materials</i> , 2022, 34, e2201114.	21.0	29
113	Two-dimensional molybdenum disulphide nanosheet-covered metal nanoparticle array as a floating gate in multi-functional flash memories. <i>Nanoscale</i> , 2015, 7, 17496-17503.	5.6	28
114	Transition metal dichalcogenide/multi-walled carbon nanotube-based fibers as flexible electrodes for electrocatalytic hydrogen evolution. <i>Chemical Communications</i> , 2020, 56, 5131-5134.	4.1	28
115	Preparation of graphene-MoS <sub>2</sub> hybrid aerogels as multifunctional sorbents for water remediation. <i>Science China Materials</i> , 2017, 60, 1102-1108.	6.3	27
116	An assessment of melamine exposure in Shanghai adults and its association with food consumption. <i>Environment International</i> , 2020, 135, 105363.	10.0	27
117	Defect-Rich Hierarchical Porous UiO-66(Zr) for Tunable Phosphate Removal. <i>Environmental Science &amp; Technology</i> , 2021, 55, 13209-13218.	10.0	27
118	Hybridization of 2D Nanomaterials with 3D Graphene Architectures for Electrochemical Energy Storage and Conversion. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	26
119	Unusual 4H-phase twinned noble metal nanokites. <i>Nature Communications</i> , 2019, 10, 2881.	12.8	25
120	Additive-assisted synthesis of boride, carbide, and nitride micro/nanocrystals. <i>Journal of Solid State Chemistry</i> , 2012, 194, 219-224.	2.9	24
121	General Fabrication of Boride, Carbide, and Nitride Nanocrystals via a Metal-Hydrolysis-Assisted Process. <i>Inorganic Chemistry</i> , 2017, 56, 2440-2447.	4.0	23
122	Water transport confined in graphene oxide channels through the rarefied effect. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 9780-9786.	2.8	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. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 7542-7549.	5.2	23
124	Defect-Rich, Candied Haws-Shaped AuPtNi Alloy Nanostructures for Highly Efficient Electrocatalysis. <i>CCS Chemistry</i> , 2020, 2, 24-30.	7.8	23
125	Precise Dimerization of Hollow Fullerene Compartments. <i>Journal of the American Chemical Society</i> , 2020, 142, 15396-15402.	13.7	22
126	Impeding Catalyst Sulfur Poisoning in Aqueous Solution by Metal-Organic Framework Composites. <i>Small Methods</i> , 2020, 4, 1900890.	8.6	22



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127	Single Particle Tracking of Peptides-Modified Nanocargo on Lipid Membrane Revealing Bulk-Mediated Diffusion. <i>Analytical Chemistry</i> , 2016, 88, 11973-11977.	6.5	21
128	Facile one-pot synthesis of poly(methacrylic acid)-based hybrid monolith via thiol-ene click reaction for hydrophilic interaction chromatography. <i>Journal of Chromatography A</i> , 2016, 1454, 49-57.	3.7	21
129	Synthesis of $WO_x/WX_2$ ( $x=2.7, 2.9$ ; X=S, Se) Heterostructures for Highly Efficient Green Quantum Dot Light-Emitting Diodes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 10486-10490.	13.8	21
130	Spatial Variability and Temporal Persistence of Event Runoff Coefficients for Cropland Hillslopes. <i>Water Resources Research</i> , 2019, 55, 1583-1597.	4.2	21
131	Pulsed elution modulation for on-line comprehensive two-dimensional liquid chromatography coupling reversed phase liquid chromatography and hydrophilic interaction chromatography. <i>Journal of Chromatography A</i> , 2019, 1583, 98-107.	3.7	21
132	Construction of a Sandwiched MOF@COF Composite as a Size-Selective Catalyst. <i>Cell Reports Physical Science</i> , 2020, 1, 100272.	5.6	21
133	Phosphine-Free, Low-Temperature Synthesis of Tetrapod-Shaped CdS and Its Hybrid with Au Nanoparticles. <i>Small</i> , 2014, 10, 4727-4734.	10.0	20
134	An iTRAQ-Based Proteomics Approach to Clarify the Molecular Physiology of Somatic Embryo Development in Prince Rupprecht's Larch ( <i>Larix principis-rupprechtii</i> Mayr). <i>PLoS ONE</i> , 2015, 10, e0119987.	2.5	20
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