

# Bing Ni

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

49  
papers

2,236  
citations

30  
h-index

47  
g-index

55  
ext. papers

2,716  
ext. citations

12.6  
avg, IF

5.49  
L-index

#	Paper	IF	Citations
49	A perspective on the electrocatalytic conversion of carbon dioxide to methanol with metallomacrocyclic catalysts. <i>Journal of Energy Chemistry</i> , <b>2022</b> , 64, 263-275	12	6
48	Simple Determination of Gold Nanocrystal Dimensions by Analytical Ultracentrifugation via Surface Ligand-Solvent Density Matching. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	2
47	Chirality communications between inorganic and organic compounds. <i>SmartMat</i> , <b>2021</b> , 2, 17-32	22.8	12
46	Heterogeneous Catalysts with Well-Defined Active Metal Sites toward CO <sub>2</sub> Electrocatalytic Reduction. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 2001142	21.8	38
45	The Synthesis of Sub-Nano-Thick Pd Nanobelt-Based Materials for Enhanced Hydrogen Evolution Reaction Activity. <i>CCS Chemistry</i> , <b>2020</b> , 2, 642-654	7.2	2
44	The Synthesis of Sub-Nano-Thick Pd Nanobelt-Based Materials for Enhanced Hydrogen Evolution Reaction Activity. <i>CCS Chemistry</i> , <b>2020</b> , 2, 642-654	7.2	7
43	Van der Waals Integrated Hybrid POM-Zirconia Flexible Belt-Like Superstructures. <i>Advanced Materials</i> , <b>2020</b> , 32, e1906794	24	24
42	Visible-light-switched electron transfer over single porphyrin-metal atom center for highly selective electroreduction of carbon dioxide. <i>Nature Communications</i> , <b>2019</b> , 10, 3844	17.4	66
41	Boosting the ORR performance of modified carbon black C-O bonds. <i>Chemical Science</i> , <b>2019</b> , 10, 2118-2123	12.3	15
40	Incorporation of clusters within inorganic materials through their addition during nucleation steps. <i>Nature Chemistry</i> , <b>2019</b> , 11, 839-845	17.6	55
39	Highly Flexible and Stretchable Nanowire Superlattice Fibers Achieved by Spring-Like Structure of Sub-1 nm Nanowires. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1903477	15.6	8
38	Single molecule-mediated assembly of polyoxometalate single-cluster rings and their three-dimensional superstructures. <i>Science Advances</i> , <b>2019</b> , 5, eaax1081	14.3	35
37	Surface Oxidation of AuNi Heterodimers to Achieve High Activities toward Hydrogen/Oxygen Evolution and Oxygen Reduction Reactions. <i>Small</i> , <b>2018</b> , 14, e1703749	11	49
36	Composition-driven shape evolution to Cu-rich PtCu octahedral alloy nanocrystals as superior bifunctional catalysts for methanol oxidation and oxygen reduction reaction. <i>Nanoscale</i> , <b>2018</b> , 10, 4670-4674	7.7	68
35	Zirconium-Porphyrin-Based Metal-Organic Framework Hollow Nanotubes for Immobilization of Noble-Metal Single Atoms. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 3551-3556	3.6	72
34	Zirconium-Porphyrin-Based Metal-Organic Framework Hollow Nanotubes for Immobilization of Noble-Metal Single Atoms. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 3493-3498	16.4	237
33	The formation of (NiFe) <sub>S</sub> pyrite mesocrystals as efficient pre-catalysts for water oxidation. <i>Chemical Science</i> , <b>2018</b> , 9, 2762-2767	9.4	43

32	Mimic the Photosystem II for Water Oxidation in Neutral Solution: A Case of Co <sub>3</sub> O <sub>4</sub> . <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1702313	21.8	14
31	Nanosheet-Assembled Hierarchical Carbon Nanoframeworks Bearing a Multiactive Center for Oxygen Reduction Reaction. <i>Small Methods</i> , <b>2018</b> , 2, 1800068	12.8	17
30	Ultrathin 2D Zirconium Metal-Organic Framework Nanosheets: Preparation and Application in Photocatalysis. <i>Small</i> , <b>2018</b> , 14, e1703929	11	110
29	The Sub-Nanometer Scale as a New Focus in Nanoscience. <i>Advanced Materials</i> , <b>2018</b> , 30, e1802031	24	50
28	Three-dimensional macroscale assembly of Pd nanoclusters. <i>Nano Research</i> , <b>2018</b> , 11, 3175-3181	10	3
27	Ultrathin Tungsten Bronze Nanowires with Efficient Photo-to-Thermal Conversion Behavior. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 8727-8731	9.6	16
26	Trimetallic Sulfide Mesoporous Nanospheres as Superior Electrocatalysts for Rechargeable Zn/Air Batteries. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1801839	21.8	69
25	Dendritic defect-rich palladium-copper-cobalt nanoalloys as robust multifunctional non-platinum electrocatalysts for fuel cells. <i>Nature Communications</i> , <b>2018</b> , 9, 3702	17.4	142
24	Metal-Organic Framework Based Microcapsules. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 10305-10309	3.6	13
23	Metal-Organic Framework Based Microcapsules. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 10148-10152	16.4	41
22	Trimetallic PtCoFe Alloy Monolayer Superlattices as Bifunctional Oxygen-Reduction and Ethanol-Oxidation Electrocatalysts. <i>Small</i> , <b>2017</b> , 13, 1700250	11	35
21	Modifying Commercial Carbon with Trace Amounts of ZIF to Prepare Derivatives with Superior ORR Activities. <i>Advanced Materials</i> , <b>2017</b> , 29, 1701354	24	82
20	Competitive Coordination Strategy to Finely Tune Pore Environment of Zirconium-Based Metal-Organic Frameworks. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 22732-22738	9.5	33
19	Cobalt carbonate hydroxide superstructures for oxygen evolution reactions. <i>Chemical Communications</i> , <b>2017</b> , 53, 8010-8013	5.8	59
18	Porous Tetrametallic PtCuBiMn Nanosheets with a High Catalytic Activity and Methanol Tolerance Limit for Oxygen Reduction Reactions. <i>Advanced Materials</i> , <b>2017</b> , 29, 1604994	24	68
17	Titanocene dichloride (CpTiCl <sub>3</sub> ) as a precursor for template-free fabrication of hollow TiO <sub>2</sub> nanostructures with enhanced photocatalytic hydrogen production. <i>Nanoscale</i> , <b>2017</b> , 9, 2074-2081	7.7	20
16	Highly Active and Durable Pt <sub>72</sub> Ru <sub>28</sub> Porous Nanoalloy Assembled with Sub-4.0 nm Particles for Methanol Oxidation. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1601593	21.8	69
15	3D self-assembly of ultrafine molybdenum carbide confined in N-doped carbon nanosheets for efficient hydrogen production. <i>Nanoscale</i> , <b>2017</b> , 9, 15895-15900	7.7	30

14	Finely Composition-Tunable Synthesis of Ultrafine Wavy PtRu Nanowires as Effective Electrochemical Sensors for Dopamine Detection. <i>Langmuir</i> , <b>2017</b> , 33, 8070-8075	4	21
13	Mesoporous ZrO Nanoframes for Biomass Upgrading. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 26897-26906	9.5	19
12	Fast and scalable synthesis of uniform zirconium-, hafnium-based metal-organic framework nanocrystals. <i>Nanoscale</i> , <b>2017</b> , 9, 19209-19215	7.7	60
11	Fullerene-Like Nickel Oxysulfide Hollow Nanospheres as Bifunctional Electrocatalysts for Water Splitting. <i>Small</i> , <b>2017</b> , 13, 1602637	11	35
10	Ultra-small Tetrametallic Pt-Pd-Rh-Ag Nanoframes with Tunable Behavior for Direct Formic Acid/Methanol Oxidation. <i>Small</i> , <b>2016</b> , 12, 5261-5268	11	42
9	Crystallinity-induced shape evolution of Pt-Ag nanosheets from branched nanocrystals. <i>Chemical Communications</i> , <b>2016</b> , 52, 10547-50	5.8	13
8	Facile synthesis of complex shaped Pt-Cu alloy architectures. <i>Nanoscale</i> , <b>2016</b> , 8, 13212-6	7.7	17
7	Chemistry and properties at a sub-nanometer scale. <i>Chemical Science</i> , <b>2016</b> , 7, 3978-3991	9.4	39
6	Competitive coordination strategy for the synthesis of hierarchical-pore metal-organic framework nanostructures. <i>Chemical Science</i> , <b>2016</b> , 7, 7101-7105	9.4	84
5	Nanostructure formation via post growth of particles. <i>CrystEngComm</i> , <b>2015</b> , 17, 6796-6808	3.3	10
4	Edge overgrowth of spiral bimetallic hydroxides ultrathin-nanosheets for water oxidation. <i>Chemical Science</i> , <b>2015</b> , 6, 3572-3576	9.4	40
3	General synthesis of inorganic single-walled nanotubes. <i>Nature Communications</i> , <b>2015</b> , 6, 8756	17.4	48
2	Face the Edges: Catalytic Active Sites of Nanomaterials. <i>Advanced Science</i> , <b>2015</b> , 2, 1500085	13.6	104
1	Atomically thick Pt-Cu nanosheets: self-assembled sandwich and nanoring-like structures. <i>Advanced Materials</i> , <b>2015</b> , 27, 2013-8	24	91