

Enbo Zhu

List of Publications by Citations

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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.

37
papers

5,881
citations

24
h-index

39
g-index

39
ext. papers

6,870
ext. citations

16.8
avg, IF

5.48
L-index

#	Paper	IF	Citations
37	ELECTROCHEMISTRY. High-performance transition metal-doped PtNi octahedra for oxygen reduction reaction. <i>Science</i> , 2015 , 348, 1230-4	33.3	1307
36	Ultrafine jagged platinum nanowires enable ultrahigh mass activity for the oxygen reduction reaction. <i>Science</i> , 2016 , 354, 1414-1419	33.3	986
35	Approaching the Schottky-Mott limit in van der Waals metal-semiconductor junctions. <i>Nature</i> , 2018 , 557, 696-700	50.4	766
34	Stabilization of high-performance oxygen reduction reaction Pt electrocatalyst supported on reduced graphene oxide/carbon black composite. <i>Journal of the American Chemical Society</i> , 2012 , 134, 12326-9	16.4	400
33	Toward barrier free contact to molybdenum disulfide using graphene electrodes. <i>Nano Letters</i> , 2015 , 15, 3030-4	11.5	286
32	Monolayer atomic crystal molecular superlattices. <i>Nature</i> , 2018 , 555, 231-236	50.4	220
31	A facile strategy to Pt ₃ Ni nanocrystals with highly porous features as an enhanced oxygen reduction reaction catalyst. <i>Advanced Materials</i> , 2013 , 25, 2974-9	24	211
30	Near-Infrared Plasmonic-Enhanced Solar Energy Harvest for Highly Efficient Photocatalytic Reactions. <i>Nano Letters</i> , 2015 , 15, 6295-301	11.5	202
29	Biomimetic synthesis of an ultrathin platinum nanowire network with a high twin density for enhanced electrocatalytic activity and durability. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 12577-81	16.4	164
28	Morphology and Phase Controlled Construction of Pt-Ni Nanostructures for Efficient Electrocatalysis. <i>Nano Letters</i> , 2016 , 16, 2762-7	11.5	150
27	A rational design of carbon-supported dispersive Pt-based octahedra as efficient oxygen reduction reaction catalysts. <i>Energy and Environmental Science</i> , 2014 , 7, 2957-2962	35.4	147
26	Palladium-based nanostructures with highly porous features and perpendicular pore channels as enhanced organic catalysts. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 2520-4	16.4	135
25	Building two-dimensional materials one row at a time: Avoiding the nucleation barrier. <i>Science</i> , 2018 , 362, 1135-1139	33.3	105
24	Tailoring molecular specificity toward a crystal facet: a lesson from biorecognition toward Pt{111}. <i>Nano Letters</i> , 2013 , 13, 840-6	11.5	95
23	Pushing the Performance Limit of Sub-100 nm Molybdenum Disulfide Transistors. <i>Nano Letters</i> , 2016 , 16, 6337-6342	11.5	91
22	Synthesis of Stable Shape-Controlled Catalytically Active Palladium Hydride. <i>Journal of the American Chemical Society</i> , 2015 , 137, 15672-5	16.4	75
21	Few-Layer GeAs Field-Effect Transistors and Infrared Photodetectors. <i>Advanced Materials</i> , 2018 , 30, e1705934	69	69

20	Seedless Growth of Palladium Nanocrystals with Tunable Structures: From Tetrahedra to Nanosheets. <i>Nano Letters</i> , 2015 , 15, 7519-25	11.5	68
19	Monodisperse Cu@PtCu nanocrystals and their conversion into hollow-PtCu nanostructures for methanol oxidation. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 14449	13	57
18	In situ development of highly concave and composition-confined PtNi octahedra with high oxygen reduction reaction activity and durability. <i>Nano Research</i> , 2016 , 9, 149-157	10	52
17	Hollow Loofah-Like N, O-Co-Doped Carbon Tube for Electrocatalysis of Oxygen Reduction. <i>Advanced Functional Materials</i> , 2019 , 29, 1900015	15.6	44
16	Graphene-hemin hybrid material as effective catalyst for selective oxidation of primary C-H bond in toluene. <i>Scientific Reports</i> , 2013 , 3,	4.9	40
15	Tungsten as Adhesive In Pt ₂ CuW _{0.25} Ternary Alloy for Highly Durable Oxygen Reduction Electrocatalysis. <i>Advanced Functional Materials</i> , 2020 , 30, 1908230	15.6	32
14	Peptide-Assisted 2-D Assembly toward Free-Floating Ultrathin Platinum Nanoplates as Effective Electrocatalysts. <i>Nano Letters</i> , 2019 , 19, 3730-3736	11.5	31
13	Spontaneous crystallization of a new chiral open-framework borophosphate in the ionothermal system. <i>Dalton Transactions</i> , 2010 , 39, 1713-5	4.3	24
12	Highly Reliable Low-Voltage Memristive Switching and Artificial Synapse Enabled by van der Waals Integration. <i>Matter</i> , 2020 , 2, 965-976	12.7	22
11	Biomimetic Synthesis of an Ultrathin Platinum Nanowire Network with a High Twin Density for Enhanced Electrocatalytic Activity and Durability. <i>Angewandte Chemie</i> , 2013 , 125, 12809-12813	3.6	18
10	Pt _x Cu _y nanocrystals with hexa-pod morphology and their electrocatalytic performances towards oxygen reduction reaction. <i>Nano Research</i> , 2015 , 8, 3342-3352	10	16
9	Long-Range Hierarchical Nanocrystal Assembly Driven by Molecular Structural Transformation. <i>Journal of the American Chemical Society</i> , 2019 , 141, 1498-1505	16.4	14
8	Maximizing the Current Output in Self-Aligned Graphene-InAs-Metal Vertical Transistors. <i>ACS Nano</i> , 2019 , 13, 847-854	16.7	14
7	Direct correlation of oxygen adsorption on platinum-electrolyte interfaces with the activity in the oxygen reduction reaction. <i>Science Advances</i> , 2021 , 7,	14.3	11
6	Heterojunction-Type Photocatalytic System Based on Inorganic Halide Perovskite CsPbBr ₃ □	4.9	9
5	Enhancement of oxygen reduction reaction activity by grain boundaries in platinum nanostructures. <i>Nano Research</i> , 2020 , 13, 3310-3314	10	8
4	Optimized MoP with Pseudo-Single-Atom Tungsten for Efficient Hydrogen Electrocatalysis. <i>Chemistry of Materials</i> , 2021 , 33, 3639-3649	9.6	4
3	Gold clusters alloyed to nanoporous palladium surfaces as highly active bimetallic oxidation catalysts. <i>ChemSusChem</i> , 2013 , 6, 1868-72	8.3	2

2	Atomic Regulation of PGM Electrocatalysts for the Oxygen Reduction Reaction. <i>Frontiers in Chemistry</i> , 2021 , 9, 699861	5	1
1	Stability of Platinum-Group-Metal-based Electrocatalysts in Proton Exchange Membrane Fuel Cells. <i>Advanced Functional Materials</i> , 2203883	15.6	0