

Yifan Chen

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

2,859
citations

471509

17
h-index

794594

19
g-index

20
all docs

20
docs citations

20
times ranked

3624
citing authors

#	ARTICLE	IF	CITATIONS
1	Boosting Bifunctional Oxygen Electrocatalysis with 3D Graphene Aerogel-Supported Ni/MnO Particles. <i>Advanced Materials</i> , 2018, 30, 1704609.	21.0	547
2	Atomic Fe Dispersed on N-Doped Carbon Hollow Nanospheres for High-Efficiency Electrocatalytic Oxygen Reduction. <i>Advanced Materials</i> , 2019, 31, e1806312.	21.0	441
3	Ni ₃ Fe-Doped Carbon Sheets as a Bifunctional Electrocatalyst for Air Cathodes. <i>Advanced Energy Materials</i> , 2017, 7, 1601172.	19.5	369
4	Exploring Indium-Based Ternary Thiospinel as Conceivable High-Potential Air-Cathode for Rechargeable Zn-Air Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1802263.	19.5	248
5	Novel Hydrogel-Derived Bifunctional Oxygen Electrocatalyst for Rechargeable Air Cathodes. <i>Nano Letters</i> , 2016, 16, 6516-6522.	9.1	241
6	Hierarchically mesoporous nickel-iron nitride as a cost-efficient and highly durable electrocatalyst for Zn-air battery. <i>Nano Energy</i> , 2017, 39, 77-85.	16.0	216
7	Alveolate porous carbon aerogels supported Co ₉ S ₈ derived from a novel hybrid hydrogel for bifunctional oxygen electrocatalysis. <i>Carbon</i> , 2019, 144, 557-566.	10.3	177
8	Robust N-doped carbon aerogels strongly coupled with iron-cobalt particles as efficient bifunctional catalysts for rechargeable Zn-air batteries. <i>Nanoscale</i> , 2018, 10, 19937-19944.	5.6	144
9	Robust bifunctional oxygen electrocatalyst with a rigid and flexible structure for air-cathodes. <i>NPG Asia Materials</i> , 2018, 10, 618-629.	7.9	83
10	Core-shell CuPd@Pd tetrahedra with concave structures and Pd-enriched surface boost formic acid oxidation. <i>Journal of Materials Chemistry A</i> , 2018, 6, 10632-10638.	10.3	75
11	Porous PdRh nanobowls: facile synthesis and activity for alkaline ethanol oxidation. <i>Nanoscale</i> , 2019, 11, 2974-2980.	5.6	62
12	Synthesis of monodisperse high entropy alloy nanocatalysts from core@shell nanoparticles. <i>Nanoscale Horizons</i> , 2021, 6, 231-237.	8.0	57
13	L-Glutamic acid derived PtPd@Pt core/satellite nanoassemblies as an effectively cathodic electrocatalyst. <i>Journal of Materials Chemistry A</i> , 2017, 5, 3774-3779.	10.3	46
14	In Situ Integration of Ultrathin PtCu Nanowires with Reduced Graphene Oxide Nanosheets for Efficient Electrocatalytic Oxygen Reduction. <i>Chemistry - A European Journal</i> , 2017, 23, 16871-16876.	3.3	36
15	Shape Control of Monodispersed Sub-5 nm Pd Tetrahedrons and Lacinate Pd Nanourchins by Maneuvering the Dispersed State of Additives for Boosting ORR Performance. <i>Small</i> , 2020, 16, e1906026.	10.0	36
16	Intermetallic Pd ₃ Pb nanocubes with high selectivity for the 4-electron oxygen reduction reaction pathway. <i>Nanoscale</i> , 2020, 12, 2532-2541.	5.6	33
17	General Strategy for Synthesis of Pd ₃ M (M = Co and Ni) Nanoassemblies as High-Performance Catalysts for Electrochemical Oxygen Reduction. <i>Advanced Materials Interfaces</i> , 2018, 5, 1701015.	3.7	30
18	Galvanic replacement of intermetallic nanocrystals as a route toward complex heterostructures. <i>Nanoscale</i> , 2021, 13, 2618-2625.	5.6	11

#	ARTICLE	IF	CITATIONS
19	Evolution of composition and structure of PtRh/C in the acidic methanol electrooxidation process. <i>Electrochemistry Communications</i> , 2020, 113, 106690.	4.7	7
20	Pd Growth Patterns: Shape Control of Monodispersed Sub-5 nm Pd Tetrahedrons and Lacinate Pd Nanourchins by Maneuvering the Dispersed State of Additives for Boosting ORR Performance (Small) <i>ETQq0 0 0 1987 /Overclock 10 Tf</i>		