Zhi Qiao

List of Publications by Year
in descending order

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20 papers	2,581 citations	623188 14 h-index	940134 16 g-index
20 all docs	20 docs citations	20 times ranked	3109 citing authors

#	Article	IF	Citations
1	Progress in Mo/W-based electrocatalysts for nitrogen reduction to ammonia under ambient conditions. Chemical Communications, 2022, 58, 2096-2111.	2.2	7
2	Holdups in Nitride MXene's Development and Limitations in Advancing the Field of MXene. Small, 2022, 18, e2106129.	5.2	36
3	Atomically dispersed single iron sites for promoting Pt and Pt₃Co fuel cell catalysts: performance and durability improvements. Energy and Environmental Science, 2021, 14, 4948-4960.	15.6	168
4	Challenges and opportunities for nitrogen reduction to ammonia on transitional metal nitrides via Mars-van Krevelen mechanism. Cell Reports Physical Science, 2021, 2, 100438.	2.8	27
5	Synergy of Pt-Free Single Metal Sites for Promoting Pt and Pt3co Ordered Intermetallic Catalysts for Fuel Cells: Performance and Durability Improvements. ECS Meeting Abstracts, 2021, MA2021-01, 1852-1852.	0.0	0
6	Advanced Nanocarbons for Enhanced Performance and Durability of Platinum Catalysts in Proton Exchange Membrane Fuel Cells. Small, 2021, 17, e2006805.	5.2	54
7	Progress and Challenges of Carbon Dioxide Reduction Reaction on Transition Metal Based Electrocatalysts. ACS Applied Energy Materials, 2021, 4, 8661-8684.	2.5	42
8	High-performance ammonia oxidation catalysts for anion-exchange membrane direct ammonia fuel cells. Energy and Environmental Science, 2021, 14, 1449-1460.	15.6	100
9	Atomic Structure Evolution of Ptâ€“Co Binary Catalysts: Single Metal Sites versus Intermetallic Nanocrystals. Advanced Materials, 2021, 33, e2106371.	11.1	62
10	Platinum-group-metal catalysts for proton exchange membrane fuel cells: From catalyst design to electrode structure optimization. EnergyChem, 2020, 2, 100023.	10.1	138
11	Single-Iron Site Catalysts with Self-Assembled Dual-size Architecture and Hierarchical Porosity for Proton-Exchange Membrane Fuel Cells. Applied Catalysis B: Environmental, 2020, 279, 119400.	10.8	94
12	Chemical Vapor Deposition for Atomically Dispersed and Nitrogen Coordinated Single Metal Site Catalysts. Angewandte Chemie, 2020, 132, 21882-21889.	1.6	10
13	Chemical Vapor Deposition for Atomically Dispersed and Nitrogen Coordinated Single Metal Site Catalysts. Angewandte Chemie - International Edition, 2020, 59, 21698-21705.	7.2	128
14	Metalâ€“Organic Frameworks-Derived Ptm Intermetallic Nanoparticles for Oxygen Reduction in Proton Exchange Membrane Fuel Cells. ECS Meeting Abstracts, 2020, MA2020-01, 2675-2675.	0.0	0
15	Size-Controlled Synthesis of L10-CoPt Intermetallic Fuel Cell Catalysts on Nitrogen-Doped Mesoporous Graphitized Carbon Support. ECS Meeting Abstracts, 2020, MA2020-01, 1623-1623.	0.0	0
16	3D porous graphitic nanocarbon for enhancing the performance and durability of Pt catalysts: a balance between graphitization and hierarchical porosity. Energy and Environmental Science, 2019, 12, 2830-2841.	15.6	219
17	Mn- and N- doped carbon as promising catalysts for oxygen reduction reaction: Theoretical prediction and experimental validation. Applied Catalysis B: Environmental, 2019, 243, 195-203.	10.8	170
18	(Invited) Polymer Hydrogel-Derived Carbon Supports for Highly Stable Pt/C Cathode Catalysts in PEM Fuel Cells. ECS Meeting Abstracts, 2019, , .	0.0	0

#	Article	IF	Citations
19	Single Atomic Iron Catalysts for Oxygen Reduction in Acidic Media: Particle Size Control and Thermal Activation. Journal of the American Chemical Society, 2017, 139, 14143-14149.	6.6	1,215
20	3D polymer hydrogel for high-performance atomic iron-rich catalysts for oxygen reduction in acidic media. Applied Catalysis B: Environmental, 2017, 219, 629-639.	10.8	111