

Ting He

List of Publications by Year in descending order

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26
papers

943
citations

471371

17
h-index

610775

24
g-index

28
all docs

28
docs citations

28
times ranked

1185
citing authors

#	ARTICLE	IF	CITATIONS
1	Confining ultrasmall bimetallic alloys in porous N-doped carbon for use as scalable and sustainable electrocatalysts for rechargeable Zn-air batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 12451-12456.	5.2	128
2	Carbon aerogels with atomic dispersion of binary iron-cobalt sites as effective oxygen catalysts for flexible zinc-air batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 11649-11655.	5.2	94
3	Theory-Guided Regulation of FeN ₄ Spin State by Neighboring Cu Atoms for Enhanced Oxygen Reduction Electrocatalysis in Flexible Metal-Air Batteries. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	93
4	Biomass Waste-Derived 3D Metal-Free Porous Carbon as a Bifunctional Electrocatalyst for Rechargeable Zinc-Air Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 17039-17046.	3.2	74
5	Single iron atoms stabilized by microporous defects of biomass-derived carbon aerogels as high-performance cathode electrocatalysts for aluminum-air batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 20840-20846.	5.2	68
6	The <i>in situ</i> synthesis of Ag/amino acid biopolymer hydrogels as mouldable wound dressings. <i>Chemical Communications</i> , 2015, 51, 15862-15865.	2.2	54
7	Architecture of CoN _x single clusters on nanocarbon as excellent oxygen reduction catalysts with high-efficient atomic utilization. <i>Nanoscale</i> , 2017, 9, 8341-8348.	2.8	47
8	In Situ Fabrication of Defective CoN _x Single Clusters on Reduced Graphene Oxide Sheets with Excellent Electrocatalytic Activity for Oxygen Reduction. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 22490-22501.	4.0	44
9	Nanocomposites Based on Ruthenium Nanoparticles Supported on Cobalt and Nitrogen-Codoped Graphene Nanosheets as Bifunctional Catalysts for Electrochemical Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 46912-46919.	4.0	37
10	A Co ²⁺ -selective and chirality-sensitive supermolecular metallohydrogel with a nanofiber network skeleton. <i>Nanoscale</i> , 2016, 8, 6479-6483.	2.8	34
11	Iron, Nitrogen-Doped Carbon Aerogels for Fluorescent and Electrochemical Dual-Mode Detection of Glucose. <i>Langmuir</i> , 2021, 37, 11309-11315.	1.6	34
12	Nanowrinkled Carbon Aerogels Embedded with FeN _x Sites as Effective Oxygen Electrodes for Rechargeable Zinc-Air Battery. <i>Research</i> , 2019, 2019, 6813585.	2.8	29
13	The progress of nanomaterials for carbon dioxide capture <i>via</i> the adsorption process. <i>Environmental Science: Nano</i> , 2021, 8, 890-912.	2.2	28
14	Atomically dispersed ruthenium in carbon aerogels as effective catalysts for pH-universal hydrogen evolution reaction. <i>Chemical Engineering Journal</i> , 2022, 442, 136337.	6.6	27
15	Cobalt single atom sites in carbon aerogels for ultrasensitive enzyme-free electrochemical detection of glucose. <i>Journal of Electroanalytical Chemistry</i> , 2022, 906, 116024.	1.9	25
16	Supramolecular bimetallogels: a nanofiber network for bimetal/nitrogen co-doped carbon electrocatalysts. <i>Journal of Materials Chemistry A</i> , 2018, 6, 8227-8232.	5.2	24
17	Iron Single Clusters Anchored on N-Doped Porous Carbon as Superior Trace-Metal Catalysts toward Oxygen Reduction. <i>Advanced Materials Interfaces</i> , 2018, 5, 1701345.	1.9	19
18	Cation Tuning toward the Inference of the Gelation Behavior of Supramolecular Gels. <i>Scientific Reports</i> , 2016, 6, 25390.	1.6	13

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19	From supramolecular hydrogels to functional aerogels: a facile strategy to fabricate Fe ₃ O ₄ /N-doped graphene composites. RSC Advances, 2015, 5, 77296-77302.	1.7	12
20	Pb ²⁺ -specific metallohydrogel based on tryptophan-derivatives: preparation, characterization, multi-stimuli responsiveness and potential applications in wastewater and soil treatment. RSC Advances, 2016, 6, 81341-81345.	1.7	12
21	Boosting oxygen evolution activity of nickel iron hydroxide by iron hydroxide colloidal particles. Journal of Colloid and Interface Science, 2022, 606, 518-525.	5.0	12
22	Carbon aerogels with nickel@N-doped carbon core-shell nanoclusters as electrochemical sensors for simultaneous determination of hydroquinone and catechol. Electrochimica Acta, 2022, 414, 140199.	2.6	12
23	Properties of Cell-Compatible Poly(vinyl alcohol) Hydrogels Cross-Linked with Hydrophobic Luteolin. ACS Applied Polymer Materials, 2021, 3, 3019-3027.	2.0	11
24	Theory-Guided Regulation of FeN ₄ Spin State by Neighboring Cu Atoms for Enhanced Oxygen Reduction Electrocatalysis in Flexible Metal-Air Batteries. Angewandte Chemie, 0, , .	1.6	8
25	Encapsulation of nanocrystals with responsive gels for spatial optical identification. Supramolecular Chemistry, 2017, 29, 627-632.	1.5	4
26	Giant Phospholipid Folds on Air-Water Surface: Structure Details, Formation Pathway, and Possible Recycle Mechanism. Journal of Physical Chemistry B, 2019, 123, 4935-4942.	1.2	0