

Wangchen Huo

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,558
citations

567281

15
h-index

713466

21
g-index

22
all docs

22
docs citations

22
times ranked

1907
citing authors

#	ARTICLE	IF	CITATIONS
1	Diethyl ether as self-healing electrolyte additive enabled long-life rechargeable aqueous zinc ion batteries. <i>Nano Energy</i> , 2019, 62, 275-281.	16.0	455
2	Organic-Inorganic-Induced Polymer Intercalation into Layered Composites for Aqueous Zinc-Ion Battery. <i>CheM</i> , 2020, 6, 968-984.	11.7	274
3	Built-in oriented electric field facilitating durable Zn MnO ₂ battery. <i>Nano Energy</i> , 2019, 62, 79-84.	16.0	150
4	Approaching the lithium-manganese oxides' energy storage limit with Li ₂ MnO ₃ nanorods for high-performance supercapacitor. <i>Nano Energy</i> , 2018, 43, 168-176.	16.0	128
5	Direct growth of CuCo ₂ S ₄ nanosheets on carbon fiber textile with enhanced electrochemical pseudocapacitive properties and electrocatalytic properties towards glucose oxidation. <i>Nanoscale</i> , 2018, 10, 14304-14313.	5.6	119
6	Birnessite based nanostructures for supercapacitors: challenges, strategies and prospects. <i>Nanoscale Advances</i> , 2020, 2, 37-54.	4.6	61
7	Carbonate-intercalated defective bismuth tungstate for efficiently photocatalytic NO removal and promotion mechanism study. <i>Applied Catalysis B: Environmental</i> , 2019, 254, 206-213.	20.2	58
8	Sodium ions pre-intercalation stabilized tunnel structure of Na ₂ Mn ₈ O ₁₆ nanorods for supercapacitors with long cycle life. <i>Chemical Engineering Journal</i> , 2018, 354, 1050-1057.	12.7	48
9	One-step hydrothermal synthesis of Cu-doped MnO ₂ coated diatomite for degradation of methylene blue in Fenton-like system. <i>Journal of Colloid and Interface Science</i> , 2019, 556, 466-475.	9.4	39
10	Facile construction of Bi ₂ Mo ₃ O ₁₂ @Bi ₂ O ₂ CO ₃ heterojunctions for enhanced photocatalytic efficiency toward NO removal and study of the conversion process. <i>Chinese Journal of Catalysis</i> , 2020, 41, 268-275.	14.0	39
11	Heterojunction interface of zinc oxide and zinc sulfide promoting reactive molecules activation and carrier separation toward efficient photocatalysis. <i>Journal of Colloid and Interface Science</i> , 2021, 588, 826-837.	9.4	32
12	Anion intercalated layered-double-hydroxide structure for efficient photocatalytic NO remove. <i>Green Energy and Environment</i> , 2019, 4, 270-277.	8.7	30
13	Motivated surface reaction thermodynamics on the bismuth oxyhalides with lattice strain for enhanced photocatalytic NO oxidation. <i>Applied Catalysis B: Environmental</i> , 2021, 284, 119694.	20.2	28
14	Carbonate doped Bi ₂ MoO ₆ hierarchical nanostructure with enhanced transformation of active radicals for efficient photocatalytic removal of NO. <i>Journal of Colloid and Interface Science</i> , 2019, 557, 816-824.	9.4	24
15	Construction of advanced 3D Co ₃ S ₄ @PPy nanowire anchored on nickel foam for high-performance electrochemical energy storage. <i>Electrochimica Acta</i> , 2020, 334, 135635.	5.2	16
16	Unveiling the Role of Atomically Dispersed Active Sites over Amorphous Iron Oxide Supported Pt Catalysts for Complete Catalytic Ozonation of Toluene at Low Temperature. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 3881-3892.	3.7	13
17	High-rate asymmetrical supercapacitors based on cobalt-doped birnessite nanotubes and Mn-FeOOH nanotubes. <i>Chemical Communications</i> , 2020, 56, 3257-3260.	4.1	12
18	Controllable synthesis of a 3D ZnS@MoO ₃ heterojunction <i>via</i> a hydrothermal method towards efficient NO purification under visible light. <i>CrystEngComm</i> , 2020, 22, 257-266.	2.6	9

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19	Morphological evolution process of γ -MnO ₂ from 2-D to 1-D without phase transition. CrystEngComm, 2019, 21, 4593-4598.	2.6	8
20	Rapid oxidation-etching synthesis of low-crystalline γ -MnO ₂ tubular nanostructures under ambient with high capacitance. Journal of Colloid and Interface Science, 2019, 557, 168-173.	9.4	6
21	Supercapacitor nanomaterials. , 2020, , 295-324.		6
22	Facile constructing ZnO/ZnCO ₃ heterojunction for high-performance photocatalytic NO oxidation and reaction pathway study. Journal of Materials Science: Materials in Electronics, 2020, 31, 4527-4534.	2.2	3