

Wei Xiong

List of Publications by Year in descending order

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27
papers

800
citations

567281

15
h-index

552781

26
g-index

27
all docs

27
docs citations

27
times ranked

1088
citing authors

#	ARTICLE	IF	CITATIONS
1	Engineering defect-rich Fe-doped NiO coupled Ni cluster nanotube arrays with excellent oxygen evolution activity. <i>Applied Catalysis B: Environmental</i> , 2021, 285, 119809.	20.2	103
2	Low-dimensional Mo:BiVO ₄ photoanodes for enhanced photoelectrochemical activity. <i>Journal of Materials Chemistry A</i> , 2018, 6, 3602-3609.	10.3	86
3	Hierarchical ball-in-ball structured nitrogen-doped carbon microspheres as high performance anode for sodium-ion batteries. <i>Energy Storage Materials</i> , 2017, 7, 229-235.	18.0	78
4	Recent developments in carbon nitride based films for photoelectrochemical water splitting. <i>Sustainable Energy and Fuels</i> , 2020, 4, 485-503.	4.9	68
5	A novel capsule-based self-recovery system with a chloride ion trigger. <i>Scientific Reports</i> , 2015, 5, 10866.	3.3	63
6	Removing the barrier to water dissociation on single-atom Pt sites decorated with a CoP mesoporous nanosheet array to achieve improved hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2020, 8, 11246-11254.	10.3	62
7	Collaborative enhancement of photon harvesting and charge carrier dynamics in carbon nitride photoelectrode. <i>Applied Catalysis B: Environmental</i> , 2018, 237, 783-790.	20.2	38
8	Oxygen-rich nanoflake-interlaced carbon microspheres for potassium-ion battery anodes. <i>Chemical Communications</i> , 2020, 56, 3433-3436.	4.1	35
9	Construction of tetrahedral CoO ₄ vacancies for activating the high oxygen evolution activity of Co ₃ O ₄ porous nanosheet arrays. <i>Nanoscale</i> , 2020, 12, 11079-11087.	5.6	35
10	Crystal-Face Tailored Graphitic Carbon Nitride Films for High-Performance Photoelectrochemical Cells. <i>ChemSusChem</i> , 2018, 11, 2497-2501.	6.8	34
11	Fluorine-free prepared two-dimensional molybdenum boride (MBene) as a promising anode for lithium-ion batteries with superior electrochemical performance. <i>Chemical Engineering Journal</i> , 2022, 446, 137466.	12.7	27
12	Cu ₂ ZnSnS ₄ and Cu ₂ ZnSn(S _{1-x} Se _x) ₄ nanocrystals: room-temperature synthesis and efficient photoelectrochemical water splitting. <i>Journal of Materials Chemistry A</i> , 2017, 5, 25230-25236.	10.3	24
13	Rapid ionic conductivity of ternary composite electrolytes for superior solid-state batteries with high-rate performance and long cycle life operated at room temperature. <i>Journal of Materials Chemistry A</i> , 2021, 9, 18338-18348.	10.3	23
14	Vanadium self-intercalated C/V _{1.11} S ₂ nanosheets with abundant active sites for enhanced electro-catalytic hydrogen evolution. <i>Electrochimica Acta</i> , 2019, 300, 208-216.	5.2	19
15	A blended gel polymer electrolyte for dendrite-free lithium metal batteries. <i>Applied Surface Science</i> , 2021, 569, 150899.	6.1	18
16	Improved Open-Circuit Voltage of Sb ₂ Se ₃ Thin-Film Solar Cells Via Interfacial Sulfur Diffusion-Induced Gradient Bandgap Engineering. <i>Solar Rrl</i> , 2021, 5, 2100419.	5.8	13
17	Improving oxygen evolution reaction activity by constructing core-shell structure of Co/N-doped carbon polyhedron@NiCo layered double hydroxides. <i>Journal of Alloys and Compounds</i> , 2022, 890, 161805.	5.5	12
18	In situ coating of graphene-like sheets on Li ₄ Ti ₅ O ₁₂ particles for lithium-ion batteries. <i>Electrochimica Acta</i> , 2017, 230, 508-513.	5.2	11

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19	Colorful carbon nitride based composite films. <i>Applied Surface Science</i> , 2020, 511, 145535.	6.1	11
20	A cerium-doped NASICON chemically coupled poly(vinylidene fluoride-hexafluoropropylene)-based polymer electrolyte for high-rate and high-voltage quasi-solid-state lithium metal batteries. <i>Journal of Energy Chemistry</i> , 2022, 73, 311-321.	12.9	11
21	A universal, facile and ultrafast monomer-tuned strategy to construct multi-dimensional hierarchical polymer structures and applications for lithium-ion batteries. <i>Chemical Engineering Journal</i> , 2022, 428, 131135.	12.7	10
22	Photoelectrochemical Performance Enhancement of ZnSe Nanorods versus Dots: Combined Experimental and Computational Insights. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 10414-10420.	4.6	5
23	Atomic Sulfur Passivation Improves the Photoelectrochemical Performance of ZnSe Nanorods. <i>Nanomaterials</i> , 2020, 10, 1081.	4.1	5
24	A facile solvent-free method for NaBH ₄ and Na ₂ B ₁₂ H ₁₂ synthesis. <i>Inorganica Chimica Acta</i> , 2018, 474, 16-21.	2.4	4
25	A pseudo-metal-free strategy for constructing high performance photoelectrodes. <i>Journal of Materials Chemistry A</i> , 2020, 8, 12767-12773.	10.3	4
26	Synthesis of V-notched half-open polymer microspheres via facile solvent-tuned self-assembly. <i>New Journal of Chemistry</i> , 2021, 45, 13964-13968.	2.8	1
27	Coordinate Transformer Network for Prediction of <i>Pseudomonas Aeruginosa</i> 's Drug Resistance. , 2022, , .		0