

Xuewan Wang

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

3,260
citations

516710

16
h-index

752698

20
g-index

20
all docs

20
docs citations

20
times ranked

6307
citing authors

#	ARTICLE	IF	CITATIONS
1	Heteroatom-doped graphene materials: syntheses, properties and applications. <i>Chemical Society Reviews</i> , 2014, 43, 7067-7098.	38.1	1,547
2	Facile Synthesis of Graphene Quantum Dots from 3D Graphene and their Application for Fe ³⁺ Sensing. <i>Advanced Functional Materials</i> , 2014, 24, 3021-3026.	14.9	446
3	Quantum dots derived from two-dimensional materials and their applications for catalysis and energy. <i>Chemical Society Reviews</i> , 2016, 45, 2239-2262.	38.1	391
4	A graphene-cobalt oxide based needle electrode for non-enzymatic glucose detection in micro-droplets. <i>Chemical Communications</i> , 2012, 48, 6490.	4.1	155
5	Ultrasensitive Profiling of Metabolites Using Tyramine-Functionalized Graphene Quantum Dots. <i>ACS Nano</i> , 2016, 10, 3622-3629.	14.6	145
6	Nanowires assembled from MnCo ₂ O ₄ @C nanoparticles for water splitting and all-solid-state supercapacitor. <i>Nano Research</i> , 2016, 9, 1300-1309.	10.4	87
7	Bifunctional Pt-Co ₃ O ₄ electrocatalysts for simultaneous generation of hydrogen and formate <i>via</i> energy-saving alkaline seawater/methanol co-electrolysis. <i>Journal of Materials Chemistry A</i> , 2021, 9, 6316-6324.	10.3	65
8	Microfiber devices based on carbon materials. <i>Materials Today</i> , 2015, 18, 215-226.	14.2	57
9	Molecular-Level Design of Hierarchically Porous Carbons Codoped with Nitrogen and Phosphorus Capable of In Situ Self-Activation for Sustainable Energy Systems. <i>Small</i> , 2017, 13, 1602010.	10.0	47
10	Electrochemical Nitrate Production <i>via</i> Nitrogen Oxidation with Atomically Dispersed Fe on N-Doped Carbon Nanosheets. <i>ACS Nano</i> , 2022, 16, 655-663.	14.6	44
11	Folic acid self-assembly synthesis of ultrathin N-doped carbon nanosheets with single-atom metal catalysts. <i>Energy Storage Materials</i> , 2021, 36, 409-416.	18.0	39
12	Folic Acid Self-Assembly Enabling Manganese Single-Atom Electrocatalyst for Selective Nitrogen Reduction to Ammonia. <i>Nano-Micro Letters</i> , 2021, 13, 125.	27.0	39
13	Graphene-bacteria composite for oxygen reduction and lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 12873-12879.	10.3	30
14	Nanoporous tin oxide photoelectrode prepared by electrochemical anodization in aqueous ammonia to improve performance of dye sensitized solar cell. <i>Journal of Renewable and Sustainable Energy</i> , 2013, 5, 023120.	2.0	21
15	Novel folic acid complex derived nitrogen and nickel co-doped carbon nanotubes with embedded Ni nanoparticles as efficient electrocatalysts for CO ₂ reduction. <i>Journal of Materials Chemistry A</i> , 2020, 8, 5105-5114.	10.3	18
16	Core-Shell Structured Cu(OH) ₂ @NiFe(OH) _x Nanotube Electrocatalysts for Methanol Oxidation Based Hydrogen Evolution. <i>ACS Applied Nano Materials</i> , 2021, 4, 8723-8732.	5.0	14
17	Amorphous cobalt hydroxysulfide nanosheets with regulated electronic structure for high-performance electrochemical energy storage. <i>Science China Materials</i> , 2020, 63, 2303-2313.	6.3	13
18	Fabrication of 3D graphene/CdTe quantum dots composite through electrophoretic deposition and its electrical properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 15333-15337.	2.2	11

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19	A 3D graphene-supported MoS ₂ nanosphere and nanosheet heterostructure as a highly efficient free-standing hydrogen evolution electrode. RSC Advances, 2016, 6, 31359-31362.	3.6	7