

Wang Yang

List of Publications by Year in descending order

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24
papers

842
citations

516710

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24
docs citations

24
times ranked

1386
citing authors

#	ARTICLE	IF	CITATIONS
1	High graphite N content in nitrogen-doped graphene as an efficient metal-free catalyst for reduction of nitroarenes in water. <i>Green Chemistry</i> , 2016, 18, 4254-4262.	9.0	109
2	Atomically dispersed Ni as the active site towards selective hydrogenation of nitroarenes. <i>Green Chemistry</i> , 2019, 21, 704-711.	9.0	98
3	Preparation of graphene nanosheets by shear-assisted supercritical CO ₂ exfoliation. <i>Chemical Engineering Journal</i> , 2016, 284, 78-84.	12.7	91
4	P-doped nanomesh graphene with high-surface-area as an efficient metal-free catalyst for aerobic oxidative coupling of amines. <i>Carbon</i> , 2017, 121, 443-451.	10.3	69
5	High-surface-area nanomesh graphene with enriched edge sites as efficient metal-free cathodes for dye-sensitized solar cells. <i>Nanoscale</i> , 2016, 8, 13059-13066.	5.6	53
6	Insight into the topological defects and dopants in metal-free holey graphene for triiodide reduction in dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2017, 5, 5952-5960.	10.3	49
7	Hierarchical MoP Hollow Nanospheres Anchored on a N,P,S-doped Porous Carbon Matrix as Efficient Electrocatalysts for the Hydrogen Evolution Reaction. <i>ChemSusChem</i> , 2019, 12, 4662-4670.	6.8	38
8	MnO@graphene nanopeapods derived via a one-pot hydrothermal process for a high performance anode in Li-ion batteries. <i>Nanoscale</i> , 2019, 11, 8270-8280.	5.6	38
9	Large-scale preparation of B/N co-doped graphene-like carbon as an efficient metal-free catalyst for the reduction of nitroarenes. <i>New Journal of Chemistry</i> , 2018, 42, 2718-2725.	2.8	36
10	Carbon quantum dots derived by direct carbonization of carbonaceous microcrystals in mesophase pitch. <i>Nanoscale</i> , 2018, 10, 21492-21498.	5.6	33
11	Cupric oxide nanowires on three-dimensional copper foam for application in click reaction. <i>RSC Advances</i> , 2017, 7, 9567-9572.	3.6	31
12	N-doped nanoporous graphene decorated three-dimensional CuO nanowire network and its application to photocatalytic degradation of dyes. <i>RSC Advances</i> , 2014, 4, 47455-47460.	3.6	29
13	Atomic N-coordinated cobalt sites within nanomesh graphene as highly efficient electrocatalysts for triiodide reduction in dye-sensitized solar cells. <i>Chemical Engineering Journal</i> , 2018, 349, 782-790.	12.7	24
14	Interconnected nitrogen and sulfur dual-doped porous carbon as efficient electrocatalyst for triiodide reduction in dye-sensitized solar cells. <i>Journal of Power Sources</i> , 2016, 327, 289-296.	7.8	21
15	Cobalt single atoms anchored on nitrogen-doped porous carbon as an efficient catalyst for oxidation of silanes. <i>Green Chemistry</i> , 2021, 23, 1026-1035.	9.0	21
16	Sulfur-fixation strategy toward controllable synthesis of molybdenum-based/carbon nanosheets derived from petroleum asphalt. <i>Chemical Engineering Journal</i> , 2020, 380, 122552.	12.7	18
17	Moldable clay-like unit for synthesis of highly elastic polydimethylsiloxane sponge with nanofiller modification. <i>RSC Advances</i> , 2017, 7, 10479-10486.	3.6	16
18	Facile Synthesis of Well-Dispersed Ni ₂ P on N-Doped Nanomesh Carbon Matrix as a High-Efficiency Electrocatalyst for Alkaline Hydrogen Evolution Reaction. <i>Nanomaterials</i> , 2019, 9, 1022.	4.1	16

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19	Nitrogen-Enriched Hollow Carbon Spheres Coupled with Efficient Co ^{II} /N ^{II} /C Species as Cathode Catalysts for Triiodide Reduction in Dye-Sensitized Solar Cells. ACS Sustainable Chemistry and Engineering, 2019, 7, 2679-2685.	6.7	15
20	High capacity oil adsorption by graphene capsules. Nanoscale, 2017, 9, 12647-12651.	5.6	10
21	Electrochemical synthesis of Ni doped carbon quantum dots for simultaneous fluorometric determination of Fe ³⁺ and Cu ²⁺ ion facilely. Green Chemical Engineering, 2023, 4, 115-122.	6.3	10
22	Tuning surface chemical property in hierarchical porous carbon via nitrogen and phosphorus doping for deep desulfurization. Separation and Purification Technology, 2022, 280, 119923.	7.9	7
23	<i>In situ</i> imaging of electrocatalysis in a O_2 battery with a hollandite Fe-MnO_2 nanowire air cathode. Chemical Communications, 2019, 55, 10880-10883.	4.1	6
24	Fe C enhancing the catalytic activity of FeN in oxidative dehydration of N-heterocycles. Green Chemical Engineering, 2022, 3, 349-358.	6.3	4