

Congwei Wang

List of Publications by Year in descending order

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28
papers

884
citations

566801

15
h-index

552369

26
g-index

28
all docs

28
docs citations

28
times ranked

1782
citing authors

#	ARTICLE	IF	CITATIONS
1	The synthesis of crystalline Ni microwire-nanosheet monolith for recoverable host of dendrite-free Li anode. <i>Journal of Power Sources</i> , 2021, 487, 229418.	4.0	8
2	Graphene-supported single-atom catalysts and applications in electrocatalysis. <i>Nanotechnology</i> , 2021, 32, 032001.	1.3	33
3	Freestanding Surface Disordered NiCu Solid Solution as Ultrastable High Current Density Hydrogen Evolution Reaction Electrode. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 11135-11142.	2.1	8
4	Graphene-cobalt based oxygen electrocatalysts. <i>Catalysis Today</i> , 2020, 358, 184-195.	2.2	6
5	In Situ Wet Etching of MoS ₂ @dWO ₃ Heterostructure as Ultra-Stable Highly Active Electrocatalyst for Hydrogen Evolution Reaction. <i>Catalysts</i> , 2020, 10, 977.	1.6	8
6	Atomic Fe hetero-layered coordination between g-C ₃ N ₄ and graphene nanomeshes enhances the ORR electrocatalytic performance of zinc-air batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 1451-1458.	5.2	70
7	Atomic zinc dispersed on graphene synthesized for active CO ₂ fixation to cyclic carbonates. <i>Chemical Communications</i> , 2019, 55, 1299-1302.	2.2	40
8	Hierarchical porous carbon-graphene-based Lithium-Sulfur batteries. <i>Electrochimica Acta</i> , 2019, 318, 161-168.	2.6	38
9	Poly-melamine sponge derived N-doped carbon/Fe ₃ O ₄ /graphene synthesized for lithium-ion anode. <i>Materials Letters</i> , 2019, 251, 57-60.	1.3	3
10	Isolated Fe atoms dispersed on cellulose-derived nanocarbons as an efficient electrocatalyst for the oxygen reduction reaction. <i>Nanoscale</i> , 2019, 11, 23110-23115.	2.8	14
11	Graphene supported atomic Co/nanocrystalline Co ₃ O ₄ for oxygen evolution reaction. <i>Electrochimica Acta</i> , 2018, 276, 153-161.	2.6	28
12	Graphene integrating carbon fiber and hierarchical porous carbon formed robust flexible carbon-concrete-supercapacitor film. <i>Carbon</i> , 2018, 126, 500-506.	5.4	39
13	Natural graphene microsheets/sulfur as Li-S battery cathode towards >99% coulombic efficiency of long cycles. <i>Journal of Power Sources</i> , 2018, 376, 131-137.	4.0	37
14	Co-synthesis of atomic Fe and few-layer graphene towards superior ORR electrocatalyst. <i>Energy Storage Materials</i> , 2018, 12, 1-7.	9.5	50
15	Dual-Ion-Mode MALDI MS Detection of Small Molecules with the P,N-Doped Carbon/Graphene Matrix. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 37732-37742.	4.0	43
16	The improvement of pitch activation by graphene for long-cycle Li-S batteries. <i>Green Chemistry</i> , 2018, 20, 4675-4683.	4.6	14
17	The synthesis of atomic Fe embedded in bamboo-CNTs grown on graphene as a superior CO ₂ electrocatalyst. <i>Green Chemistry</i> , 2018, 20, 3521-3529.	4.6	43
18	Atomic Fe Embedded in Carbon Nanoshells-Graphene Nanomeshes with Enhanced Oxygen Reduction Reaction Performance. <i>Chemistry of Materials</i> , 2017, 29, 9915-9922.	3.2	64

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19	Stress concentrations in nanoscale defective graphene. AIP Advances, 2017, 7, .	0.6	6
20	Three-Dimensional Framework of Graphene Nanomeshes Shell/Co ₃ O ₄ Synthesized as Superior Bifunctional Electrocatalyst for Zinc-Air Batteries. ACS Applied Materials & Interfaces, 2017, 9, 41273-41283.	4.0	42
21	Synthesis and in-situ functionalization of graphene films through graphite charging in aqueous Fe ₂ (SO ₄) ₃ . Carbon, 2016, 107, 379-387.	5.4	14
22	Hierarchical Porous Graphene Carbon-Based Supercapacitors. Chemistry of Materials, 2015, 27, 2107-2113.	3.2	204
23	Polarised infrared microspectroscopy of edge-oriented graphene oxide papers. Vibrational Spectroscopy, 2014, 75, 178-183.	1.2	18
24	Molecular force transfer mechanisms in graphene oxide paper evaluated using atomic force microscopy and in situ synchrotron micro FT-IR spectroscopy. Nanoscale, 2014, 6, 14404-14411.	2.8	16
25	Deformation and failure mechanisms in graphene oxide paper using in situ nanomechanical tensile testing. Carbon, 2013, 63, 471-477.	5.4	33
26	Measuring size-dependent mechanical properties of electrospun polystyrene fibers using in-situ AFM-SEM. Materials Research Society Symposia Proceedings, 2012, 1424, 13.	0.1	1
27	Combined AFM-SEM testing for mechanical property determination of graphene oxide paper. Materials Research Society Symposia Proceedings, 2012, 1407, 68.	0.1	0
28	Watermelon-like Metallic Co/Graphene-like Nanohybrids from Electrochemical Exfoliation of Anthracite Coal as Superior Oxygen Reduction Reaction Electrocatalyst. ACS Sustainable Chemistry and Engineering, 0, , .	3.2	4