Zhe Wang

List of Publications by Year
in descending order

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37 papers	1,804 citations	331259 21 h-index	344852 36 g-index
37 all docs	37 docs citations	37 times ranked	2247 citing authors

#	Article	IF	Citations
1	Metal-organic frameworks derived reverse-encapsulation Co-NC@Mo2C complex for efficient overall water splitting. Nano Energy, 2019, 57, 746-752.	8.2	316
2	Cobalt single atom site isolated Pt nanoparticles for efficient ORR and HER in acid media. Nano Energy, 2021, 88, 106221.	8.2	181
3	Surface Evolution of PtCu Alloy Shell over Pd Nanocrystals Leads to Superior Hydrogen Evolution and Oxygen Reduction Reactions. ACS Energy Letters, 2018, 3, 940-945.	8.8	126
4	Ultrahigh Conductive Copper/Large Flake Size Graphene Heterostructure Thinâ€Film with Remarkable Electromagnetic Interference Shielding Effectiveness. Small, 2018, 14, e1704332.	5.2	111
5	Flexible graphite films with high conductivity for radio-frequency antennas. Carbon, 2018, 130, 164-169.	5.4	105
6	Highly sensitive wearable sensor based on a flexible multi-layer graphene film antenna. Science Bulletin, 2018, 63, 574-579.	4.3	97
7	Mesoporous-silica induced doped carbon nanotube growth from metalâ€“organic frameworks. Nanoscale, 2018, 10, 6147-6154.	2.8	96
8	Flexible and transparent graphene/silver-nanowires composite film for high electromagnetic interference shielding effectiveness. Science Bulletin, 2019, 64, 540-546.	4.3	85
9	Ultra-small platinum nanoparticles segregated by nickle sites for efficient ORR and HER processes. Journal of Energy Chemistry, 2022, 65, 48-54.	7.1	63
10	Propagating Fe-N4 active sites with Vitamin C to efficiently drive oxygen electrocatalysis. Nano Energy, 2021, 82, 105714.	8.2	53
11	Seed-mediated synthesis of large-diameter ternary TePtCo nanotubes for enhanced oxygen reduction reaction. Applied Catalysis B: Environmental, 2018, 231, 277-282.	10.8	48
12	Anion-Modulated Platinum for High-Performance Multifunctional Electrocatalysis toward HER, HOR, and ORR. IScience, 2020, 23, 101793.	1.9	45
13	Ternary Alloys Enable Efficient Production of Methoxylated Chemicals via Selective Electrocatalytic Hydrogenation of Lignin Monomers. Journal of the American Chemical Society, 2021, 143, 17226-17235.	6.6	43
14	Sandwiched Graphene Clad Laminate: A Binderâ€Free Flexible Printed Circuit Board for 5G Antenna Application. Advanced Engineering Materials, 2020, 22, 2000451.	1.6	42
15	Shrunken hollow Mo-N/Mo-C nanosphere structure for efficient hydrogen evolution in a broad pH range. Electrochimica Acta, 2019, 298, 799-805.	2.6	38
16	High conductive graphene assembled films with porous micro-structure for freestanding and ultra-low power strain sensors. Science Bulletin, 2020, 65, 1363-1370.	4.3	38
17	Wideband and low sidelobe graphene antenna array for 5G applications. Science Bulletin, 2021, 66, 103-106.	4.3	33
18	Phosphorization engineering ameliorated the electrocatalytic activity for overall water splitting on Ni₃S₂ nanosheets. Dalton Transactions, 2019, 48, 13466-13471.	1.6	32

#	Article	IF	Citations
19	Compact and Low-Profile UWB Antenna Based on Graphene-Assembled Films for Wearable Applications. Sensors, 2020, 20, 2552.	2.1	30
20	Naâ€“Mnâ€“O@C yolkâ€“shell nanorods as an ultrahigh electrochemical performance anode for lithium ion batteries. Journal of Materials Chemistry A, 2017, 5, 18509-18517.	5.2	22
21	TePtFe Nanotubes as Highâ€Performing Bifunctional Electrocatalysts for the Oxygen Reduction Reaction and Hydrogen Evolution Reaction. ChemSusChem, 2018, 11, 1328-1333.	3.6	22
22	Lifting the energy density of lithium ion batteries using graphite film current collectors. Journal of Power Sources, 2020, 455, 227991.	4.0	19
23	Fe-incorporated cobalt-based metal-organic framework ultrathin nanosheets for electrocatalytic oxygen evolution. Chemical Engineering Journal, 2021, 422, 130055.	6.6	19
24	A new strategy to access Co/N co-doped carbon nanotubes as oxygen reduction reaction catalysts. Chinese Chemical Letters, 2021, 32, 535-538.	4.8	17
25	Passive UHF RFID tags made with graphene assembly film-based antennas. Carbon, 2021, 178, 803-809.	5.4	16
26	Flexible Anti-Metal RFID Tag Antenna Based on High-Conductivity Graphene Assembly Film. Sensors, 2021, 21, 1513.	2.1	15
27	Tri-phase (1-x-y) Li2FeSiO4Â·xLiFeBO3Â·yLiFePO4 nested nanostructure with enhanced Li-storage properties. Chemical Engineering Journal, 2019, 358, 786-793.	6.6	13
28	Ultrafast Macroscopic Assembly of High-Strength Graphene Oxide Membranes by Implanting an Interlaminar Superhydrophilic Aisle. ACS Nano, 2022, 16, 3934-3942.	7.3	13
29	Customizable fabrication for auxetic graphene assembled macrofilms with high conductivity and flexibility. Carbon, 2020, 162, 545-551.	5.4	12
30	Highly Reduced Graphene Assembly Film as Current Collector for Lithium Ion Batteries. ACS Sustainable Chemistry and Engineering, 2021, 9, 8635-8641.	3.2	12
31	Rapid soldering of flexible graphene assembled films at low temperature in air with ultrasonic assistance. Carbon, 2020, 158, 55-62.	5.4	11
32	Enhanced output performance of flexible piezoelectric energy harvester by using auxetic graphene films as electrodes. Applied Physics Letters, 2020, 117, .	1.5	10
33	Mild Liquid-Phase Exfoliation of Transition Metal Dichalcogenide Nanosheets for Hydrogen Evolution. ACS Applied Nano Materials, 2022, 5, 8020-8028.	2.4	9
34	Numerical Study on the Reinforcement Measures of Tunneling on Adjacent Piles. Symmetry, 2022, 14, 288.	1.1	6
35	Research on time relevant variables based fatigue level prediction model. , 2017, , .		3
36	Fabrication of mullite nano ceramic through addition of long-chain carbohydrates. Materials Today Communications, 2020, 25, 101196.	0.9	2

#	Article	IF	Citations
37	Low-power flexible strain sensors based on highly conductive graphene films. Chinese Science Bulletin, 2021, 66, 401-402.	0.4	1