

Da-Ping He

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113
papers

4,700
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38
h-index

66
g-index

130
ext. papers

5,888
ext. citations

8.8
avg, IF

5.99
L-index

#	Paper	IF	Citations
113	2D Dual-Metal Zeolitic-Imidazolate-Framework-(ZIF)-Derived Bifunctional Air Electrodes with Ultrahigh Electrochemical Properties for Rechargeable ZincAir Batteries. <i>Advanced Functional Materials</i> , 2018 , 28, 1705048	15.6	269
112	Ultrathin Icosahedral Pt-Enriched Nanocage with Excellent Oxygen Reduction Reaction Activity. <i>Journal of the American Chemical Society</i> , 2016 , 138, 1494-7	16.4	255
111	Fe, Cu-Coordinated ZIF-Derived Carbon Framework for Efficient Oxygen Reduction Reaction and ZincAir Batteries. <i>Advanced Functional Materials</i> , 2018 , 28, 1802596	15.6	245
110	Metal-organic frameworks derived reverse-encapsulation Co-NC@Mo ₂ C complex for efficient overall water splitting. <i>Nano Energy</i> , 2019 , 57, 746-752	17.1	222
109	Polyaniline-functionalized carbon nanotube supported platinum catalysts. <i>Langmuir</i> , 2011 , 27, 5582-8	4	215
108	Nitrogen-doped reduced graphene oxide supports for noble metal catalysts with greatly enhanced activity and stability. <i>Applied Catalysis B: Environmental</i> , 2013 , 132-133, 379-388	21.8	211
107	Amorphous nickel boride membrane on a platinum-nickel alloy surface for enhanced oxygen reduction reaction. <i>Nature Communications</i> , 2016 , 7, 12362	17.4	147
106	A universal synthesis strategy for single atom dispersed cobalt/metal clusters heterostructure boosting hydrogen evolution catalysis at all pH values. <i>Nano Energy</i> , 2019 , 59, 472-480	17.1	138
105	Porous polyaniline-derived Fe _N xC/C catalysts with high activity and stability towards oxygen reduction reaction using ferric chloride both as an oxidant and iron source. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 1242-1246	13	136
104	Engineered Graphene Materials: Synthesis and Applications for Polymer Electrolyte Membrane Fuel Cells. <i>Advanced Materials</i> , 2017 , 29, 1601741	24	118
103	MOF-derived 3D Fe-N-S co-doped carbon matrix/nanotube nanocomposites with advanced oxygen reduction activity and stability in both acidic and alkaline media. <i>Applied Catalysis B: Environmental</i> , 2019 , 250, 143-149	21.8	117
102	Hexapod PtRuCu Nanocrystalline Alloy for Highly Efficient and Stable Methanol Oxidation. <i>ACS Catalysis</i> , 2018 , 8, 7578-7584	13.1	109
101	Surface Evolution of PtCu Alloy Shell over Pd Nanocrystals Leads to Superior Hydrogen Evolution and Oxygen Reduction Reactions. <i>ACS Energy Letters</i> , 2018 , 3, 940-945	20.1	99
100	Simultaneous sulfonation and reduction of graphene oxide as highly efficient supports for metal nanocatalysts. <i>Carbon</i> , 2014 , 66, 312-319	10.4	98
99	In situ derived Fe/N/S-codoped carbon nanotubes from ZIF-8 crystals as efficient electrocatalysts for the oxygen reduction reaction and zincair batteries. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 20093-20099	12.9	97
98	Bifunctional effect of reduced graphene oxides to support active metal nanoparticles for oxygen reduction reaction and stability. <i>Journal of Materials Chemistry</i> , 2012 , 22, 21298		95
97	Nano-single crystal coalesced PtCu nanospheres as robust bifunctional catalyst for hydrogen evolution and oxygen reduction reactions. <i>Journal of Catalysis</i> , 2019 , 375, 164-170	7.3	91

96	Highly active platinum nanoparticles on graphene nanosheets with a significant improvement in stability and CO tolerance. <i>Langmuir</i> , 2012 , 28, 3979-86	4	86
95	Perfluorosulfonic acid-functionalized Pt/carbon nanotube catalysts with enhanced stability and performance for use in proton exchange membrane fuel cells. <i>Carbon</i> , 2011 , 49, 82-88	10.4	83
94	Nanocarbon-intercalated and FeN-codoped graphene as a highly active noble-metal-free bifunctional electrocatalyst for oxygen reduction and evolution. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 1930-1934	13	78
93	Mesoporous-silica induced doped carbon nanotube growth from metal-organic frameworks. <i>Nanoscale</i> , 2018 , 10, 6147-6154	7.7	73
92	Graphene/carbon nanospheres sandwich supported PEM fuel cell metal nanocatalysts with remarkably high activity and stability. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 2126-2132	13	72
91	Ultrahigh Conductive Copper/Large Flake Size Graphene Heterostructure Thin-Film with Remarkable Electromagnetic Interference Shielding Effectiveness. <i>Small</i> , 2018 , 14, e1704332	11	61
90	Flexible graphite films with high conductivity for radio-frequency antennas. <i>Carbon</i> , 2018 , 130, 164-169	10.4	60
89	Transforming Two-Dimensional Boron Carbide into Boron and Chlorine Dual-Doped Carbon Nanotubes by Chlorination for Efficient Oxygen Reduction. <i>ACS Energy Letters</i> , 2018 , 3, 184-190	20.1	57
88	Highly sensitive wearable sensor based on a flexible multi-layer graphene film antenna. <i>Science Bulletin</i> , 2018 , 63, 574-579	10.6	56
87	Hybrid metamaterial absorber for ultra-low and dual-broadband absorption. <i>Optics Express</i> , 2021 , 29, 14078-14086	3.3	55
86	Li ₂ FeSiO ₄ nanorods bonded with graphene for high performance batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 9601-9608	13	54
85	Synthesis and electrochemical performance of Li ₂ FeSiO ₄ /C/carbon nanosphere composite cathode materials for lithium ion batteries. <i>Journal of Alloys and Compounds</i> , 2013 , 572, 158-162	5.7	51
84	Porous graphene supported Pt catalysts for proton exchange membrane fuel cells. <i>Electrochimica Acta</i> , 2014 , 132, 356-363	6.7	50
83	Negative Pressure Pyrolysis Induced Highly Accessible Single Sites Dispersed on 3D Graphene Frameworks for Enhanced Oxygen Reduction. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 20465-20469	16.4	50
82	Flexible and transparent graphene/silver-nanowires composite film for high electromagnetic interference shielding effectiveness. <i>Science Bulletin</i> , 2019 , 64, 540-546	10.6	49
81	Hierarchical shuttle-like Li ₂ FeSiO ₄ as a highly efficient cathode material for lithium-ion batteries. <i>Journal of Power Sources</i> , 2013 , 242, 171-178	8.9	47
80	Graphene activated 3D-hierarchical flower-like Li ₂ FeSiO ₄ for high-performance lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 16567-16573	13	46
79	Cobalt single atom site isolated Pt nanoparticles for efficient ORR and HER in acid media. <i>Nano Energy</i> , 2021 , 88, 106221	17.1	41

78	ZIF-8/LiFePO ₄ derived Fe-N-P Co-doped carbon nanotube encapsulated Fe ₂ P nanoparticles for efficient oxygen reduction and Zn-air batteries. <i>Nano Research</i> , 2020 , 13, 818-823	10	39
77	Seed-mediated synthesis of large-diameter ternary TePtCo nanotubes for enhanced oxygen reduction reaction. <i>Applied Catalysis B: Environmental</i> , 2018 , 231, 277-282	21.8	39
76	Scalable cellulose-sponsored functionalized carbon nanorods induced by cobalt for efficient overall water splitting. <i>Carbon</i> , 2018 , 137, 274-281	10.4	38
75	Nano conductive ceramic wedged graphene composites as highly efficient metal supports for oxygen reduction. <i>Scientific Reports</i> , 2014 , 4, 3968	4.9	36
74	A Cationic Diode Based on Asymmetric Nafion Film Deposits. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 11272-11278	9.5	32
73	Graphene-based anisotropic polarization meta-filter. <i>Materials and Design</i> , 2021 , 206, 109768	8.1	32
72	Stabilizing Pt Nanocrystals Encapsulated in N-Doped Carbon as Double-Active Sites for Catalyzing Oxygen Reduction Reaction. <i>Langmuir</i> , 2019 , 35, 2580-2586	4	31
71	Electromagnetic shielding and multi-beam radiation with high conductivity multilayer graphene film. <i>Carbon</i> , 2019 , 155, 506-513	10.4	29
70	Nano-size boron carbide intercalated graphene as high performance catalyst supports and electrodes for PEM fuel cells. <i>Carbon</i> , 2016 , 103, 449-456	10.4	28
69	Direct transformation of amorphous silicon carbide into graphene under low temperature and ambient pressure. <i>Scientific Reports</i> , 2013 , 3, 1148	4.9	28
68	Design Engineering, Synthesis Protocols, and Energy Applications of MOF-Derived Electrocatalysts. <i>Nano-Micro Letters</i> , 2021 , 13, 132	19.5	26
67	PBe bond oxygen reduction catalysts toward high-efficiency metal-air batteries and fuel cells. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 9121-9127	13	26
66	pH-induced reversal of ionic diode polarity in 300nm thin membranes based on a polymer of intrinsic microporosity. <i>Electrochemistry Communications</i> , 2016 , 69, 41-45	5.1	25
65	Intrinsically microporous polymer slows down fuel cell catalyst corrosion. <i>Electrochemistry Communications</i> , 2015 , 59, 72-76	5.1	23
64	3D-ZIF scaffold derived carbon encapsulated iron nitride as a synergistic catalyst for ORR and zinc-air battery cathodes. <i>Carbon</i> , 2021 , 171, 368-375	10.4	23
63	Synergistic effect of charge transfer and short H-bonding on nanocatalyst surface for efficient oxygen evolution reaction. <i>Nano Energy</i> , 2019 , 59, 443-452	17.1	21
62	Hydrogel-derived non-precious electrocatalysts for efficient oxygen reduction. <i>Scientific Reports</i> , 2015 , 5, 11739	4.9	21
61	Intrinsically Microporous Polymer Retains Porosity in Vacuum Thermolysis to Electroactive Heterocarbon. <i>Langmuir</i> , 2015 , 31, 12300-6	4	21

60	Ordered Mesoporous Particles in Titania Films with Hierarchical Structure as Scattering Layers in Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 22552-22559	3.8	21
59	Enhanced Silver Nanowire Composite Window Electrode Protected by Large Size Graphene Oxide Sheets for Perovskite Solar Cells. <i>Nanomaterials</i> , 2019 , 9,	5.4	17
58	Flexible Graphene-Assembled Film-Based Antenna for Wireless Wearable Sensor with Miniaturized Size and High Sensitivity. <i>ACS Omega</i> , 2020 , 5, 12937-12943	3.9	17
57	Oxidation Stability of Nanographite Materials. <i>Advanced Energy Materials</i> , 2013 , 3, 1176-1179	21.8	17
56	High conductive graphene assembled films with porous micro-structure for freestanding and ultra-low power strain sensors. <i>Science Bulletin</i> , 2020 , 65, 1363-1370	10.6	17
55	Flexible radiofrequency filters based on highly conductive graphene assembly films. <i>Applied Physics Letters</i> , 2019 , 114, 113503	3.4	16
54	Sulfur-Doped Cubic Mesostructured Titania Films for Use as a Solar Photocatalyst. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 9929-9937	3.8	15
53	Ultra-small platinum nanoparticles segregated by nickle sites for efficient ORR and HER processes. <i>Journal of Energy Chemistry</i> , 2022 , 65, 48-54	12	14
52	Fuel cell anode catalyst performance can be stabilized with a molecularly rigid film of polymers of intrinsic microporosity (PIM). <i>RSC Advances</i> , 2016 , 6, 9315-9319	3.7	13
51	. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2020 , 19, 2354-2358	3.8	13
50	Sulfate Ions Induced Concave Porous S-N Co-Doped Carbon Confined FeC Nanoclusters with Fe-N Sites for Efficient Oxygen Reduction in Alkaline and Acid Media. <i>Small</i> , 2021 , 17, e2101001	11	13
49	High-conductive graphene film based antenna array for 5G mobile communications. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2019 , 29, e21692	1.5	12
48	Compact and Low-Profile UWB Antenna Based on Graphene-Assembled Films for Wearable Applications. <i>Sensors</i> , 2020 , 20,	3.8	12
47	Dual-/Tri-Wideband Bandpass Filter with High Selectivity and Adjustable Passband for 5G Mid-Band Mobile Communications. <i>Electronics (Switzerland)</i> , 2020 , 9, 205	2.6	12
46	Sandwiched Graphene Clad Laminate: A Binder-Free Flexible Printed Circuit Board for 5G Antenna Application. <i>Advanced Engineering Materials</i> , 2020 , 22, 2000451	3.5	11
45	Lifting the energy density of lithium ion batteries using graphite film current collectors. <i>Journal of Power Sources</i> , 2020 , 455, 227991	8.9	11
44	Platinized Graphene/ceramics Nano-sandwiched Architectures and Electrodes with Outstanding Performance for PEM Fuel Cells. <i>Scientific Reports</i> , 2015 , 5, 16246	4.9	11
43	Redox reactivity at silver microparticle/glassy carbon contacts under a coating of polymer of intrinsic microporosity (PIM). <i>Journal of Solid State Electrochemistry</i> , 2017 , 21, 2141-2146	2.6	10

42	Package-in-Dielectric Liquid Patch Antenna Based on Liquid Metal Alloy. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019 , 18, 2360-2364	3.8	10
41	High-Utilisation Nanoplatinum Catalyst (Pt@cPIM) Obtained via Vacuum Carbonisation in a Molecularly Rigid Polymer of Intrinsic Microporosity. <i>Electrocatalysis</i> , 2017 , 8, 132-143	2.7	10
40	Improved carbon nanotube supported Pt nanocatalysts with lyophilization. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 4699-4703	6.7	10
39	Molecularly Rigid Microporous Polyamine Captures and Stabilizes Conducting Platinum Nanoparticle Networks. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 22425-30	9.5	10
38	Aqueous MXene/Xanthan Gum Hybrid Inks for Screen-Printing Electromagnetic Shielding, Joule Heater, and Piezoresistive Sensor.. <i>Small</i> , 2022 , e2107087	11	10
37	Core-shell graphene@amorphous carbon composites supported platinum catalysts for oxygen reduction reaction. <i>Chinese Journal of Catalysis</i> , 2015 , 36, 490-495	11.3	8
36	Customizable fabrication for auxetic graphene assembled macrofilms with high conductivity and flexibility. <i>Carbon</i> , 2020 , 162, 545-551	10.4	8
35	Wideband and low sidelobe graphene antenna array for 5G applications. <i>Science Bulletin</i> , 2021 , 66, 103-1066	10.66	8
34	Equivalent Resonant Circuit Modeling of a Graphene-Based Bowtie Antenna. <i>Electronics (Switzerland)</i> , 2018 , 7, 285	2.6	8
33	Ionic Diodes Based on Regenerated Cellulose Films Deposited Asymmetrically onto a Microhole. <i>ChemistrySelect</i> , 2017 , 2, 871-875	1.8	7
32	Ternary Alloys Enable Efficient Production of Methoxylated Chemicals via Selective Electrocatalytic Hydrogenation of Lignin Monomers. <i>Journal of the American Chemical Society</i> , 2021 , 143, 17226-17235	16.4	7
31	Long read range and flexible UHF RFID tag antenna made of high conductivity graphene-based film. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2020 , 30, e21993	1.5	7
30	Rapid soldering of flexible graphene assembled films at low temperature in air with ultrasonic assistance. <i>Carbon</i> , 2020 , 158, 55-62	10.4	6
29	Negative Pressure Pyrolysis Induced Highly Accessible Single Sites Dispersed on 3D Graphene Frameworks for Enhanced Oxygen Reduction. <i>Angewandte Chemie</i> , 2020 , 132, 20645-20649	3.6	6
28	A new strategy to access Co/N co-doped carbon nanotubes as oxygen reduction reaction catalysts. <i>Chinese Chemical Letters</i> , 2021 , 32, 535-538	8.1	6
27	Multilayered Graphene-Assisted Broadband Scattering Suppression through an Ultrathin and Ultralight Metasurface. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 7698-7704	9.5	6
26	A Dual-Band Conformal Antenna Based on Highly Conductive Graphene-Assembled Films for 5G WLAN Applications. <i>Materials</i> , 2021 , 14,	3.5	6
25	An investigation of electrochemical contact processes for silver-wire glassy carbon and silver-coated cotton textile glassy carbon. <i>New Journal of Chemistry</i> , 2016 , 40, 2814-2822	3.6	5

24	Platinum Nanoparticle Inclusion into a Carbonized Polymer of Intrinsic Microporosity: Electrochemical Characteristics of a Catalyst for Electroless Hydrogen Peroxide Production. <i>Nanomaterials</i> , 2018 , 8,	5.4	5
23	Reagentless Electrochemiluminescence from a Nanoparticulate Polymer of Intrinsic Microporosity (PIM-1) Immobilized onto Tin-Doped Indium Oxide. <i>ChemElectroChem</i> , 2016 , 3, 2160-2164	4.3	5
22	Design and manufacture of lowpass microstrip filter with high conductivity graphene films. <i>Microwave and Optical Technology Letters</i> , 2019 , 61, 972-978	1.2	5
21	Flexible Anti-Metal RFID Tag Antenna Based on High-Conductivity Graphene Assembly Film. <i>Sensors</i> , 2021 , 21,	3.8	5
20	Carbon-embedded carbon nanotubes as supports of polymer electrolyte membrane fuel cell catalysts. <i>Journal of Nanoscience and Nanotechnology</i> , 2014 , 14, 6929-33	1.3	4
19	Metal-organic frameworks derived RuP2 with yolk-shell structure and efficient performance for hydrogen evolution reaction in both acidic and alkaline media. <i>Applied Catalysis B: Environmental</i> , 2022 , 305, 121043	21.8	4
18	Enhanced output performance of flexible piezoelectric energy harvester by using auxetic graphene films as electrodes. <i>Applied Physics Letters</i> , 2020 , 117, 103901	3.4	4
17	Passive UHF RFID tags made with graphene assembly film-based antennas. <i>Carbon</i> , 2021 , 178, 803-809	10.4	4
16	Highly Reduced Graphene Assembly Film as Current Collector for Lithium Ion Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 8635-8641	8.3	4
15	Fe-incorporated cobalt-based metal-organic framework ultrathin nanosheets for electrocatalytic oxygen evolution. <i>Chemical Engineering Journal</i> , 2021 , 422, 130055	14.7	3
14	Flexible graphene based films for microstrip array antennas 2017 ,		2
13	A Graphene-Assembled Film Based MIMO Antenna Array with High Isolation for 5G Wireless Communication. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 2382	2.6	2
12	Ultrasonic-assisted soldering for graphite films as heat sinks with durably superior heat dissipating efficiency. <i>Advanced Composites and Hybrid Materials</i> ,1	8.7	2
11	Microwave Doppler velocity measurement using tapered rectangular waveguide antenna with pattern offset correction. <i>Microwave and Optical Technology Letters</i> , 2018 , 60, 3068-3072	1.2	2
10	Sacrificial ZnO nanorods drive N and O dual-doped carbon towards trifunctional electrocatalysts for Zn air batteries and self-powered water splitting devices. <i>Catalysis Science and Technology</i> , 2021 , 11, 4149-4161	5.5	2
9	A Graphene-Based Stopband FSS with Suppressed Mutual Coupling in Dielectric Resonator Antennas. <i>Materials</i> , 2021 , 14,	3.5	1
8	Real-time solid flow velocity measurement based on a microwave sensor. <i>Transactions of the Institute of Measurement and Control</i> , 2019 , 41, 2699-2707	1.8	1
7	Wearable near-field communication bracelet based on highly conductive graphene-assembled films. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2021 , 31,	1.5	1

6	High-conductivity graphene-assembled film-based bandpass filter for 5G applications. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2021 , 31, e22602	1.5	1
5	Graphene Antenna for Mobile Phone Application 2018 ,		1
4	Rectangular Dielectric Resonator Antenna Fed by Graphene Films Microstrip for 5G Communication 2018 ,		1
3	Tuning the Fe ^{IV} sites by introducing Bi ^{III} bonds in a Fe ^{IV} system for promoting the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2022 , 10, 664-671	13	0
2	Two-Dimensional Highly Sensitive Wireless Displacement Sensor With Bilayer Graphene-Based Frequency Selective Surface. <i>IEEE Sensors Journal</i> , 2021 , 1-1	4	0
1	Free-Standing High Surface Area Titania Films Grown at the Air/Water Interface. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 26641-26648	3.8	