

# Da-Ping He

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/2530823/da-ping-he-publications-by-year.pdf>

**Version:** 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

113  
papers

4,700  
citations

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	Tuning the Fe <sub>N</sub> 4 sites by introducing Bi <sub>2</sub> O <sub>3</sub> bonds in a Fe <sub>N</sub> C system for promoting the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , <b>2022</b> , 10, 664-671	13	0
112	Metal-organic frameworks derived RuP <sub>2</sub> with yolk-shell structure and efficient performance for hydrogen evolution reaction in both acidic and alkaline media. <i>Applied Catalysis B: Environmental</i> , <b>2022</b> , 305, 121043	21.8	4
111	Ultra-small platinum nanoparticles segregated by nickel sites for efficient ORR and HER processes. <i>Journal of Energy Chemistry</i> , <b>2022</b> , 65, 48-54	12	14
110	Aqueous MXene/Xanthan Gum Hybrid Inks for Screen-Printing Electromagnetic Shielding, Joule Heater, and Piezoresistive Sensor.. <i>Small</i> , <b>2022</b> , e2107087	11	10
109	Ternary Alloys Enable Efficient Production of Methoxylated Chemicals via Selective Electrocatalytic Hydrogenation of Lignin Monomers. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 17226-17235	16.4	7
108	A Graphene-Assembled Film Based MIMO Antenna Array with High Isolation for 5G Wireless Communication. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 2382	2.6	2
107	A Graphene-Based Stopband FSS with Suppressed Mutual Coupling in Dielectric Resonator Antennas. <i>Materials</i> , <b>2021</b> , 14,	3.5	1
106	Hybrid metamaterial absorber for ultra-low and dual-broadband absorption. <i>Optics Express</i> , <b>2021</b> , 29, 14078-14086	3.3	55
105	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> , <b>2021</b> , 17, e2101001	11	13
104	Design Engineering, Synthesis Protocols, and Energy Applications of MOF-Derived Electrocatalysts. <i>Nano-Micro Letters</i> , <b>2021</b> , 13, 132	19.5	26
103	Passive UHF RFID tags made with graphene assembly film-based antennas. <i>Carbon</i> , <b>2021</b> , 178, 803-809	10.4	4
102	Highly Reduced Graphene Assembly Film as Current Collector for Lithium Ion Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 8635-8641	8.3	4
101	A new strategy to access Co/N co-doped carbon nanotubes as oxygen reduction reaction catalysts. <i>Chinese Chemical Letters</i> , <b>2021</b> , 32, 535-538	8.1	6
100	3D-ZIF scaffold derived carbon encapsulated iron nitride as a synergistic catalyst for ORR and zinc-air battery cathodes. <i>Carbon</i> , <b>2021</b> , 171, 368-375	10.4	23
99	Wideband and low sidelobe graphene antenna array for 5G applications. <i>Science Bulletin</i> , <b>2021</b> , 66, 103-106	10.6	8
98	Wearable near-field communication bracelet based on highly conductive graphene-assembled films. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , <b>2021</b> , 31,	1.5	1
97	Two-Dimensional Highly Sensitive Wireless Displacement Sensor With Bilayer Graphene-Based Frequency Selective Surface. <i>IEEE Sensors Journal</i> , <b>2021</b> , 1-1	4	0

96	High-conductivity graphene-assembled film-based bandpass filter for 5G applications. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , <b>2021</b> , 31, e22602	1.5	1
95	Multilayered Graphene-Assisted Broadband Scattering Suppression through an Ultrathin and Ultralight Metasurface. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 7698-7704	9.5	6
94	Flexible Anti-Metal RFID Tag Antenna Based on High-Conductivity Graphene Assembly Film. <i>Sensors</i> , <b>2021</b> , 21,	3.8	5
93	Graphene-based anisotropic polarization meta-filter. <i>Materials and Design</i> , <b>2021</b> , 206, 109768	8.1	32
92	A Dual-Band Conformal Antenna Based on Highly Conductive Graphene-Assembled Films for 5G WLAN Applications. <i>Materials</i> , <b>2021</b> , 14,	3.5	6
91	Cobalt single atom site isolated Pt nanoparticles for efficient ORR and HER in acid media. <i>Nano Energy</i> , <b>2021</b> , 88, 106221	17.1	41
90	Fe-incorporated cobalt-based metal-organic framework ultrathin nanosheets for electrocatalytic oxygen evolution. <i>Chemical Engineering Journal</i> , <b>2021</b> , 422, 130055	14.7	3
89	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> , <b>2021</b> , 11, 4149-4161	5.5	2
88	Compact and Low-Profile UWB Antenna Based on Graphene-Assembled Films for Wearable Applications. <i>Sensors</i> , <b>2020</b> , 20,	3.8	12
87	Flexible Graphene-Assembled Film-Based Antenna for Wireless Wearable Sensor with Miniaturized Size and High Sensitivity. <i>ACS Omega</i> , <b>2020</b> , 5, 12937-12943	3.9	17
86	Sandwiched Graphene Clad Laminate: A Binder-Free Flexible Printed Circuit Board for 5G Antenna Application. <i>Advanced Engineering Materials</i> , <b>2020</b> , 22, 2000451	3.5	11
85	Lifting the energy density of lithium ion batteries using graphite film current collectors. <i>Journal of Power Sources</i> , <b>2020</b> , 455, 227991	8.9	11
84	Customizable fabrication for auxetic graphene assembled macrofilms with high conductivity and flexibility. <i>Carbon</i> , <b>2020</b> , 162, 545-551	10.4	8
83	ZIF-8/LiFePO <sub>4</sub> derived Fe-N-P Co-doped carbon nanotube encapsulated Fe <sub>2</sub> P nanoparticles for efficient oxygen reduction and Zn-air batteries. <i>Nano Research</i> , <b>2020</b> , 13, 818-823	10	39
82	Dual-/Tri-Wideband Bandpass Filter with High Selectivity and Adjustable Passband for 5G Mid-Band Mobile Communications. <i>Electronics (Switzerland)</i> , <b>2020</b> , 9, 205	2.6	12
81	. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2020</b> , 19, 2354-2358	3.8	13
80	High conductive graphene assembled films with porous micro-structure for freestanding and ultra-low power strain sensors. <i>Science Bulletin</i> , <b>2020</b> , 65, 1363-1370	10.6	17
79	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> , <b>2020</b> , 30, e21993	1.5	7

78	Rapid soldering of flexible graphene assembled films at low temperature in air with ultrasonic assistance. <i>Carbon</i> , <b>2020</b> , 158, 55-62	10.4	6
77	Negative Pressure Pyrolysis Induced Highly Accessible Single Sites Dispersed on 3D Graphene Frameworks for Enhanced Oxygen Reduction. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 20645-20649	3.6	6
76	Negative Pressure Pyrolysis Induced Highly Accessible Single Sites Dispersed on 3D Graphene Frameworks for Enhanced Oxygen Reduction. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 20465-20469	16.4	50
75	Enhanced output performance of flexible piezoelectric energy harvester by using auxetic graphene films as electrodes. <i>Applied Physics Letters</i> , <b>2020</b> , 117, 103901	3.4	4
74	Pd bond oxygen reduction catalysts toward high-efficiency metal-air batteries and fuel cells. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 9121-9127	13	26
73	Electromagnetic shielding and multi-beam radiation with high conductivity multilayer graphene film. <i>Carbon</i> , <b>2019</b> , 155, 506-513	10.4	29
72	Stabilizing Pt Nanocrystals Encapsulated in N-Doped Carbon as Double-Active Sites for Catalyzing Oxygen Reduction Reaction. <i>Langmuir</i> , <b>2019</b> , 35, 2580-2586	4	31
71	High-conductive graphene film based antenna array for 5G mobile communications. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , <b>2019</b> , 29, e21692	1.5	12
70	Nano-single crystal coalesced PtCu nanospheres as robust bifunctional catalyst for hydrogen evolution and oxygen reduction reactions. <i>Journal of Catalysis</i> , <b>2019</b> , 375, 164-170	7.3	91
69	Flexible radiofrequency filters based on highly conductive graphene assembly films. <i>Applied Physics Letters</i> , <b>2019</b> , 114, 113503	3.4	16
68	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> , <b>2019</b> , 250, 143-149	21.8	117
67	Flexible and transparent graphene/silver-nanowires composite film for high electromagnetic interference shielding effectiveness. <i>Science Bulletin</i> , <b>2019</b> , 64, 540-546	10.6	49
66	Synergistic effect of charge transfer and short H-bonding on nanocatalyst surface for efficient oxygen evolution reaction. <i>Nano Energy</i> , <b>2019</b> , 59, 443-452	17.1	21
65	A universal synthesis strategy for single atom dispersed cobalt/metal clusters heterostructure boosting hydrogen evolution catalysis at all pH values. <i>Nano Energy</i> , <b>2019</b> , 59, 472-480	17.1	138
64	Enhanced Silver Nanowire Composite Window Electrode Protected by Large Size Graphene Oxide Sheets for Perovskite Solar Cells. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	17
63	Package-in-Dielectric Liquid Patch Antenna Based on Liquid Metal Alloy. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2019</b> , 18, 2360-2364	3.8	10
62	Metal-organic frameworks derived reverse-encapsulation Co-NC@Mo <sub>2</sub> C complex for efficient overall water splitting. <i>Nano Energy</i> , <b>2019</b> , 57, 746-752	17.1	222
61	Real-time solid flow velocity measurement based on a microwave sensor. <i>Transactions of the Institute of Measurement and Control</i> , <b>2019</b> , 41, 2699-2707	1.8	1

60	Design and manufacture of lowpass microstrip filter with high conductivity graphene films. <i>Microwave and Optical Technology Letters</i> , <b>2019</b> , 61, 972-978	1.2	5
59	Mesoporous-silica induced doped carbon nanotube growth from metal-organic frameworks. <i>Nanoscale</i> , <b>2018</b> , 10, 6147-6154	7.7	73
58	Seed-mediated synthesis of large-diameter ternary TePtCo nanotubes for enhanced oxygen reduction reaction. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 231, 277-282	21.8	39
57	Ultrahigh Conductive Copper/Large Flake Size Graphene Heterostructure Thin-Film with Remarkable Electromagnetic Interference Shielding Effectiveness. <i>Small</i> , <b>2018</b> , 14, e1704332	11	61
56	Highly sensitive wearable sensor based on a flexible multi-layer graphene film antenna. <i>Science Bulletin</i> , <b>2018</b> , 63, 574-579	10.6	56
55	Transforming Two-Dimensional Boron Carbide into Boron and Chlorine Dual-Doped Carbon Nanotubes by Chlorination for Efficient Oxygen Reduction. <i>ACS Energy Letters</i> , <b>2018</b> , 3, 184-190	20.1	57
54	Flexible graphite films with high conductivity for radio-frequency antennas. <i>Carbon</i> , <b>2018</b> , 130, 164-169	10.4	60
53	Surface Evolution of PtCu Alloy Shell over Pd Nanocrystals Leads to Superior Hydrogen Evolution and Oxygen Reduction Reactions. <i>ACS Energy Letters</i> , <b>2018</b> , 3, 940-945	20.1	99
52	Fe, Cu-Coordinated ZIF-Derived Carbon Framework for Efficient Oxygen Reduction Reaction and ZincAir Batteries. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1802596	15.6	245
51	Platinum Nanoparticle Inclusion into a Carbonized Polymer of Intrinsic Microporosity: Electrochemical Characteristics of a Catalyst for Electroless Hydrogen Peroxide Production. <i>Nanomaterials</i> , <b>2018</b> , 8,	5.4	5
50	Hexapod PtRuCu Nanocrystalline Alloy for Highly Efficient and Stable Methanol Oxidation. <i>ACS Catalysis</i> , <b>2018</b> , 8, 7578-7584	13.1	109
49	2D Dual-Metal Zeolitic-Imidazolate-Framework-(ZIF)-Derived Bifunctional Air Electrodes with Ultrahigh Electrochemical Properties for Rechargeable ZincAir Batteries. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1705048	15.6	269
48	Equivalent Resonant Circuit Modeling of a Graphene-Based Bowtie Antenna. <i>Electronics (Switzerland)</i> , <b>2018</b> , 7, 285	2.6	8
47	Graphene Antenna for Mobile Phone Application <b>2018</b> ,		1
46	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> , <b>2018</b> , 6, 20093-20099	13.1	97
45	Rectangular Dielectric Resonator Antenna Fed by Graphene Films Microstrip for 5G Communication <b>2018</b> ,		1
44	Microwave Doppler velocity measurement using tapered rectangular waveguide antenna with pattern offset correction. <i>Microwave and Optical Technology Letters</i> , <b>2018</b> , 60, 3068-3072	1.2	2
43	Scalable cellulose-sponsored functionalized carbon nanorods induced by cobalt for efficient overall water splitting. <i>Carbon</i> , <b>2018</b> , 137, 274-281	10.4	38

42	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> , <b>2017</b> , 5, 1930-1934	13	78
41	Ionic Diodes Based on Regenerated Cellulose Films Deposited Asymmetrically onto a Microhole. <i>ChemistrySelect</i> , <b>2017</b> , 2, 871-875	1.8	7
40	Sulfur-Doped Cubic Mesostructured Titania Films for Use as a Solar Photocatalyst. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 9929-9937	3.8	15
39	Redox reactivity at silver microparticle glassy carbon contacts under a coating of polymer of intrinsic microporosity (PIM). <i>Journal of Solid State Electrochemistry</i> , <b>2017</b> , 21, 2141-2146	2.6	10
38	A Cationic Diode Based on Asymmetric Nafion Film Deposits. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 11272-11278	9.5	32
37	Engineered Graphene Materials: Synthesis and Applications for Polymer Electrolyte Membrane Fuel Cells. <i>Advanced Materials</i> , <b>2017</b> , 29, 1601741	24	118
36	High-Utilisation Nanoplatinum Catalyst (Pt@cPIM) Obtained via Vacuum Carbonisation in a Molecularly Rigid Polymer of Intrinsic Microporosity. <i>Electrocatalysis</i> , <b>2017</b> , 8, 132-143	2.7	10
35	Flexible graphene based films for microstrip array antennas <b>2017</b> ,		2
34	Amorphous nickel boride membrane on a platinum-nickel alloy surface for enhanced oxygen reduction reaction. <i>Nature Communications</i> , <b>2016</b> , 7, 12362	17.4	147
33	pH-induced reversal of ionic diode polarity in 300nm thin membranes based on a polymer of intrinsic microporosity. <i>Electrochemistry Communications</i> , <b>2016</b> , 69, 41-45	5.1	25
32	Ultrathin Icosahedral Pt-Enriched Nanocage with Excellent Oxygen Reduction Reaction Activity. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 1494-7	16.4	255
31	Fuel cell anode catalyst performance can be stabilized with a molecularly rigid film of polymers of intrinsic microporosity (PIM). <i>RSC Advances</i> , <b>2016</b> , 6, 9315-9319	3.7	13
30	Nano-size boron carbide intercalated graphene as high performance catalyst supports and electrodes for PEM fuel cells. <i>Carbon</i> , <b>2016</b> , 103, 449-456	10.4	28
29	An investigation of electrochemical contact processes for silver-wire glassy carbon and silver-coated cotton textile glassy carbon. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 2814-2822	3.6	5
28	Reagentless Electrochemiluminescence from a Nanoparticulate Polymer of Intrinsic Microporosity (PIM-1) Immobilized onto Tin-Doped Indium Oxide. <i>ChemElectroChem</i> , <b>2016</b> , 3, 2160-2164	4.3	5
27	Molecularly Rigid Microporous Polyamine Captures and Stabilizes Conducting Platinum Nanoparticle Networks. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 22425-30	9.5	10
26	Intrinsically microporous polymer slows down fuel cell catalyst corrosion. <i>Electrochemistry Communications</i> , <b>2015</b> , 59, 72-76	5.1	23
25	Graphene activated 3D-hierarchical flower-like Li <sub>2</sub> FeSiO <sub>4</sub> for high-performance lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 16567-16573	13	46

24	Hydrogel-derived non-precious electrocatalysts for efficient oxygen reduction. <i>Scientific Reports</i> , <b>2015</b> , 5, 11739	4.9	21
23	Core-shell graphene@amorphous carbon composites supported platinum catalysts for oxygen reduction reaction. <i>Chinese Journal of Catalysis</i> , <b>2015</b> , 36, 490-495	11.3	8
22	Li <sub>2</sub> FeSiO <sub>4</sub> nanorods bonded with graphene for high performance batteries. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 9601-9608	13	54
21	Intrinsically Microporous Polymer Retains Porosity in Vacuum Thermolysis to Electroactive Heterocarbon. <i>Langmuir</i> , <b>2015</b> , 31, 12300-6	4	21
20	Ordered Mesoporous Particles in Titania Films with Hierarchical Structure as Scattering Layers in Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 22552-22559	3.8	21
19	Platinized Graphene/ceramics Nano-sandwiched Architectures and Electrodes with Outstanding Performance for PEM Fuel Cells. <i>Scientific Reports</i> , <b>2015</b> , 5, 16246	4.9	11
18	Nano conductive ceramic wedged graphene composites as highly efficient metal supports for oxygen reduction. <i>Scientific Reports</i> , <b>2014</b> , 4, 3968	4.9	36
17	Porous polyaniline-derived Fe <sub>N</sub> x/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> , <b>2014</b> , 2, 1242-1246	13	136
16	Free-Standing High Surface Area Titania Films Grown at the Air/Water Interface. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 26641-26648	3.8	
15	Carbon-embedded carbon nanotubes as supports of polymer electrolyte membrane fuel cell catalysts. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2014</b> , 14, 6929-33	1.3	4
14	Simultaneous sulfonation and reduction of graphene oxide as highly efficient supports for metal nanocatalysts. <i>Carbon</i> , <b>2014</b> , 66, 312-319	10.4	98
13	Porous graphene supported Pt catalysts for proton exchange membrane fuel cells. <i>Electrochimica Acta</i> , <b>2014</b> , 132, 356-363	6.7	50
12	Graphene/carbon nanospheres sandwich supported PEM fuel cell metal nanocatalysts with remarkably high activity and stability. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 2126-2132	13	72
11	Nitrogen-doped reduced graphene oxide supports for noble metal catalysts with greatly enhanced activity and stability. <i>Applied Catalysis B: Environmental</i> , <b>2013</b> , 132-133, 379-388	21.8	211
10	Direct transformation of amorphous silicon carbide into graphene under low temperature and ambient pressure. <i>Scientific Reports</i> , <b>2013</b> , 3, 1148	4.9	28
9	Synthesis and electrochemical performance of Li <sub>2</sub> FeSiO <sub>4</sub> /C/carbon nanosphere composite cathode materials for lithium ion batteries. <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 572, 158-162	5.7	51
8	Oxidation Stability of Nanographite Materials. <i>Advanced Energy Materials</i> , <b>2013</b> , 3, 1176-1179	21.8	17
7	Hierarchical shuttle-like Li <sub>2</sub> FeSiO <sub>4</sub> as a highly efficient cathode material for lithium-ion batteries. <i>Journal of Power Sources</i> , <b>2013</b> , 242, 171-178	8.9	47



6	Highly active platinum nanoparticles on graphene nanosheets with a significant improvement in stability and CO tolerance. <i>Langmuir</i> , <b>2012</b> , 28, 3979-86	4	86
5	Bifunctional effect of reduced graphene oxides to support active metal nanoparticles for oxygen reduction reaction and stability. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 21298		95
4	Improved carbon nanotube supported Pt nanocatalysts with lyophilization. <i>International Journal of Hydrogen Energy</i> , <b>2012</b> , 37, 4699-4703	6.7	10
3	Polyaniline-functionalized carbon nanotube supported platinum catalysts. <i>Langmuir</i> , <b>2011</b> , 27, 5582-8	4	215
2	Perfluorosulfonic acid-functionalized Pt/carbon nanotube catalysts with enhanced stability and performance for use in proton exchange membrane fuel cells. <i>Carbon</i> , <b>2011</b> , 49, 82-88	10.4	83
1	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