

Gaoyi Han

List of Publications by Year in descending order

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47
papers

1,243
citations

471509

17
h-index

377865

34
g-index

48
all docs

48
docs citations

48
times ranked

2024
citing authors

#	ARTICLE	IF	CITATIONS
1	Interfacial chemical bridge constructed by l-cysteine for highly efficient perovskite solar cells. <i>Materials Research Bulletin</i> , 2022, 149, 111698.	5.2	16
2	Nitrogen-doped Graphene Loaded with Cobalt Nanoparticles as Efficient Electrocatalysts for Oxygen Reduction Reaction. <i>ChemistrySelect</i> , 2022, 7, .	1.5	1
3	Potassium nitrilotriacetate as a multifunctional modifier of the buried interface for hysteresis-reduced perovskite solar cells. <i>Chemical Communications</i> , 2022, 58, 5638-5641.	4.1	7
4	Top-Contacts-Interface Engineering for High-Performance Perovskite Solar Cell With Reducing Lead Leakage. <i>Solar Rrl</i> , 2022, 6, .	5.8	8
5	Enhanced emission under proton stimuli based on a phenanthroimidazole derivative by switching the excited state type from the CT to the LE state. <i>Journal of Materials Chemistry C</i> , 2021, 9, 10226-10231.	5.5	2
6	Polyvinylidene Fluoride-Derived Carbon-Confined Microcrystalline Graphite with Improved Cycling Life and Rate Performance for Potassium Ion Batteries. <i>Energy & Fuels</i> , 2021, 35, 5308-5319.	5.1	5
7	Single-atom Fe-N-C as an efficient electrocatalyst for oxygen reduction reaction. <i>Journal of Electroanalytical Chemistry</i> , 2021, 892, 115271.	3.8	6
8	Activated carbon deriving from microcrystalline graphite ore as high-performance anode material for potassium-ion batteries. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 24446-24458.	2.2	4
9	Intercalation pseudo-capacitance behavior of few-layered molybdenum sulfide in various electrolytes. <i>Journal of Colloid and Interface Science</i> , 2020, 561, 117-126.	9.4	14
10	An Efficient and Stable Perovskite Solar Cell with Suppressed Defects by Employing Dithizone as a Lead Indicator. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 21409-21413.	13.8	33
11	Polar CsPbBr ₃ -based Dion-Jacobson hybrid for promising UV photodetection. <i>Chemical Communications</i> , 2020, 56, 14381-14384.	4.1	16
12	One-Step Fabrication of Fluorine-Doped Graphite Derived from a Low-Grade Microcrystalline Graphite Ore for Potassium-Ion Batteries. <i>Energy & Fuels</i> , 2020, 34, 8993-9001.	5.1	30
13	The electrochemical properties of reduced graphene oxide film with capsular pores prepared by using oxalic acid as template. <i>International Journal of Energy Research</i> , 2019, 43, 8177.	4.5	4
14	The effect of aminophenol isomers on the reduced graphene oxide hydrogels' microstructure and capacitive performances. <i>Organic Electronics</i> , 2019, 74, 179-189.	2.6	3
15	The Applications of Polymers in Solar Cells: A Review. <i>Polymers</i> , 2019, 11, 143.	4.5	146
16	Flexible supercapacitor electrode with high performance prepared from graphene oxide films assembled in the presence of p-phenylenediamine and urea. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 7216-7225.	2.2	3
17	One-step hydrothermal synthesis of feather duster-like NiS@MoS ₂ with hierarchical array structure for the Pt-free dye-sensitized solar cell. <i>Journal of Nanoparticle Research</i> , 2018, 20, 1.	1.9	12
18	Effective iron-molybdenum-disulfide counter electrodes for use in platinum-free dye-sensitized solar cells. <i>Science China Materials</i> , 2018, 61, 1278-1284.	6.3	9

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19	Enhanced Emission under Mechanical Stimuli Based on Phenanthroimidazole Derivative by Controlling ISC Process. <i>Advanced Optical Materials</i> , 2018, 6, 1800903.	7.3	9
20	Fabricating reduced graphene oxide films with high volumetric capacitive performances via thermal and acid treatment. <i>Journal of Materials Science</i> , 2018, 53, 12295-12309.	3.7	5
21	A simple route to prepare a Cu ₂ O@Cu/GN nanohybrid for high-performance electrode materials. <i>RSC Advances</i> , 2017, 7, 12027-12032.	3.6	30
22	Honeycomb-like polypyrrole/multi-wall carbon nanotube films as an effective counter electrode in bifacial dye-sensitized solar cells. <i>Journal of Materials Science</i> , 2017, 52, 8421-8431.	3.7	17
23	Semitransparent, flexible electrochemical capacitors with excellent stability fabricated with polypyrrole@titanium mesh electrodes. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45235.	2.6	2
24	An Interconnected Ternary Mn ₂ S ₄ (M=Fe, Co, Ni) Thiospinel Nanosheet Array: A Type of Efficient Platinum-Free Counter Electrode for Dye-Sensitized Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9146-9150.	13.8	88
25	An Interconnected Ternary Mn ₂ S ₄ (M=Fe, Co, Ni) Thiospinel Nanosheet Array: A Type of Efficient Platinum-Free Counter Electrode for Dye-Sensitized Solar Cells. <i>Angewandte Chemie</i> , 2017, 129, 9274-9278.	2.0	49
26	Capacitive Properties of the Binder-Free Electrode Prepared from Carbon Derived from Cotton and Reduced Graphene Oxide. <i>Chinese Journal of Chemistry</i> , 2017, 35, 1844-1852.	4.9	5
27	Facile Synthesis of Pd@Ni Nanoparticles on Reduced Graphene Oxide under Microwave Irradiation for Formic Acid Oxidation. <i>Chinese Journal of Chemistry</i> , 2017, 35, 1405-1410.	4.9	15
28	Synthesis of highly active cobalt molybdenum sulfide nanosheets by a one-step hydrothermal method for use in dye-sensitized solar cells. <i>Journal of Materials Science</i> , 2017, 52, 13541-13551.	3.7	20
29	Moiety effect on the luminescent property of star-shaped triphenylamine (TPA) derivatives as mechanochromic materials. <i>RSC Advances</i> , 2017, 7, 35672-35680.	3.6	12
30	Acetylcholinesterase biosensor based on electrochemically inducing 3D graphene oxide network/multi-walled carbon nanotube composites for detection of pesticides. <i>RSC Advances</i> , 2017, 7, 53570-53577.	3.6	54
31	Properties of Porous Carbon Derived from Cornstalk Core in High-Performance Electrochemical Capacitors. <i>ChemElectroChem</i> , 2016, 3, 323-331.	3.4	35
32	Sulfonated Graphene Synthesized via a Green Route and Its Capacitive Properties. <i>Chinese Journal of Chemistry</i> , 2016, 34, 98-106.	4.9	7
33	Flexible solid-state supercapacitor of metal-organic framework coated on carbon nanotube film interconnected by electrochemically -codeposited PEDOT-GO. <i>ChemistrySelect</i> , 2016, 1, 285-289.	1.5	60
34	Multifunctional Rare-Earth-Doped Tin Oxide Compact Layers for Improving Performances of Photovoltaic Devices. <i>Advanced Materials Interfaces</i> , 2016, 3, 1600881.	3.7	16
35	Adjust the electrochemical performances of graphene oxide nanosheets-loaded poly(3,4-ethylenedioxythiophene) composites for supercapacitors with ultralong cycle life. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 2773-2782.	2.2	16
36	An efficient titanium foil based perovskite solar cell: using a titanium dioxide nanowire array anode and transparent poly(3,4-ethylenedioxythiophene) electrode. <i>RSC Advances</i> , 2016, 6, 2778-2784.	3.6	51

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37	High performance of Pt-free dye-sensitized solar cells based on two-step electropolymerized polyaniline counter electrodes. <i>Journal of Materials Chemistry A</i> , 2014, 2, 3452-3460.	10.3	80
38	Co-electrodeposition of MnO ₂ /graphene oxide coating on carbon paper from phosphate buffer and the capacitive properties. <i>Journal of Solid State Electrochemistry</i> , 2014, 18, 553-559.	2.5	15
39	Multiwalled carbon nanotubes/polypyrrole/graphene/nonwoven fabric composites used as electrodes of electrochemical capacitor. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	2.6	11
40	Porous-reduced graphene oxide for fabricating an amperometric acetylcholinesterase biosensor. <i>Sensors and Actuators B: Chemical</i> , 2013, 185, 706-712.	7.8	72
41	A nonenzymatic hydrogen peroxide sensor based on Pt/PPy hollow hybrid microspheres. <i>Journal of Applied Polymer Science</i> , 2012, 126, 1316-1321.	2.6	12
42	Graphene-modified carbon fiber mats used to improve the activity and stability of Pt catalyst for methanol electrochemical oxidation. <i>Carbon</i> , 2011, 49, 5158-5165.	10.3	65
43	Preparation of the flexible polypyrrole/polypropylene composite fibrous film for electrochemical capacitor. <i>Journal of Applied Polymer Science</i> , 2011, 122, 3415-3422.	2.6	22
44	Synthesis, Crystal Structure, and DNA-Binding Properties of a New Cd(II) Complex Involving 2,2'-(2,2'-bipyridine-5,5'-diyl)bis(1H-imidazole) as a Bidentate N-donor Ligand. <i>Chinese Journal of Chemistry</i> , 2010, 28, 759-765.	4.9	5
45	Synthesis and Crystal Structure of Nickel(II) Complex with 2,2'-bipyridine and 4-Aminobenzoic Acid. <i>Journal of Chemical Crystallography</i> , 2008, 38, 529-532.	1.1	9
46	DNA-binding and cleavage studies of novel binuclear copper(II) complex with 1,1'-dimethyl-2,2'-bipyridine ligand. <i>Journal of Inorganic Biochemistry</i> , 2007, 101, 283-290.	3.5	118
47	Electrochemical growth of aligned N-chiral alkyl substituted polypyrrole micro-ribbons. <i>Journal of Materials Science</i> , 2004, 39, 4451-4457.	3.7	7