Yuhua Xue

List of Publications by Year
in descending order

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48 papers	7,867 citations	185998 28 h-index	182168 51 g-index
54 all docs	54 docs citations	54 times ranked	12126 citing authors

#	Article	IF	Citations
1	Ultraviolet/ozone treatment for boosting OER activity of MOF nanoneedle arrays. Chemical Engineering Journal, 2022, 427, 131498.	6.6	26
2	Graphene/tungsten disulfide core-sheath fibers: High-performance electrodes for flexible all-solid-state fiber-shaped supercapacitors. Journal of Alloys and Compounds, 2021, 858, 157747.	2.8	22
3	Metathesis Reaction to Form Nanosheet-Structured Co(OH)₂ Deposited on N-Doped Carbon as Composite Electrocatalysts for Oxygen Reduction. ACS Applied Energy Materials, 2021, 4, 4165-4172.	2.5	14
4	Flexible fiber-shaped supercapacitors based on graphene/polyaniline hybrid fibers with high energy density and capacitance. Nanotechnology, 2021, 32, 295401.	1.3	15
5	A Highly Active Oxygen Reduction Composite Electrocatalyst of Fe₃C with a N, F Dual-Doped Carbon Layer Hide. Journal of the Electrochemical Society, 2021, 168, 054511.	1.3	1
6	Boosting Electrocatalytic Performance of Co(OH)₂/NC for Oxygen Reduction Reaction by a Secondary-N-Doping Strategy. Journal of the Electrochemical Society, 2021, 168, 054520.	1.3	3
7	Preparation and Electrical Properties of Polyacrylonitrile Based Porous Carbon by Different Activation Methods. Molecules, 2021, 26, 3499.	1.7	1
8	Preparation of Nitrogen-Doped Cellulose-Based Porous Carbon and Its Carbon Dioxide Adsorption Properties. ACS Omega, 2021, 6, 24814-24825.	1.6	11
9	Core-sheath fibers composed of F-doped nickel hydroxide nanorods and graphene fibers for effective fiber-shaped nonenzymatic glucose sensors. Journal of Alloys and Compounds, 2021, 889, 161608.	2.8	7
10	Rationally designed hierarchical C/TiO₂/Ti multilayer coreâ€“sheath wires for high-performance energy storage devices. Nanoscale, 2021, 13, 8658-8664.	2.8	4
11	Transition Metal (Fe, Ni, Mn) with Heteroatoms B and S Tri-doped Co/C Catalysts for Oxygen Reduction Reaction. Energy & Fuels, 2021, 35, 16822-16828.	2.5	4
12	A Simple Method of Evaluating the Thermal Properties of Metallurgical Cokes under High Temperature. Materials, 2021, 14, 5767.	1.3	0
13	Hierarchical core-shell fibers of graphene fiber/radially-aligned molybdenum disulfide nanosheet arrays for highly efficient energy storage. Journal of Alloys and Compounds, 2020, 828, 153622.	2.8	27
14	Flexible fiber-shaped non-enzymatic sensors with a graphene-metal heterostructure based on graphene fibres decorated with gold nanosheets. Carbon, 2018, 136, 329-336.	5.4	61
15	Fabrication of CdTe QD-rGO composites with different linkers for controlling charge separation and recombination. Materials Research Bulletin, 2018, 98, 53-58.	2.7	14
16	A turn-on fluorescent lysine nanoprobe based on the use of the Alizarin Red aluminum(III) complex conjugated to graphene oxide, and its application to cellular imaging of lysine. Mikrochimica Acta, 2017, 184, 3521-3528.	2.5	12
17	Determination of Ag+ ions by a graphene oxide based dual-output nanosensor with high selectivity. RSC Advances, 2016, 6, 36218-36222.	1.7	8
18	Cytotoxicity and genotoxicity of bacterial magnetosomes against human retinal pigment epithelium cells. Scientific Reports, 2016, 6, 26961.	1.6	25

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19	Two-Dimensional Fully Conjugated Polymeric Photosensitizers for Advanced Photodynamic Therapy. Chemistry of Materials, 2016, 28, 8651-8658.	3.2	47
20	Synthesis and Cytotoxicity of POSS Modified Single Walled Carbon Nanotubes. Journal of Nanomaterials, 2015, 2015, 1-7.	1.5	2
21	PAF-derived nitrogen-doped 3D Carbon Materials for Efficient Energy Conversion and Storage. Scientific Reports, 2015, 5, 8307.	1.6	28
22	Nitrogen-doped graphene by ball-milling graphite with melamine for energy conversion and storage. 2D Materials, 2015, 2, 044001.	2.0	69
23	N-doped graphene nanoribbons as efficient metal-free counter electrodes for disulfide/thiolate redox mediated DSSCs. Nanoscale, 2015, 7, 7078-7083.	2.8	41
24	Multiscale patterning of graphene oxide and reduced graphene oxide for flexible supercapacitors. Carbon, 2015, 92, 305-310.	5.4	68
25	Metal-Free Catalysts for Oxygen Reduction Reaction. Chemical Reviews, 2015, 115, 4823-4892.	23.0	2,083
26	Rationally designed graphene-nanotube 3D architectures with a seamless nodal junction for efficient energy conversion and storage. Science Advances, 2015, 1, e1400198.	4.7	176
27	Reversible Selfâ€Assembly of Terpyridineâ€Functionalized Graphene Oxide for Energy Conversion. Angewandte Chemie - International Edition, 2014, 53, 1415-1419.	7.2	75
28	Highly Efficient Electrocatalysts for Oxygen Reduction Based on 2D Covalent Organic Polymers Complexed with Nonâ€precious Metals. Angewandte Chemie - International Edition, 2014, 53, 2433-2437.	7.2	417
29	Graphene Oxide Nanoribbon as Hole Extraction Layer to Enhance Efficiency and Stability of Polymer Solar Cells. Advanced Materials, 2014, 26, 786-790.	11.1	102
30	Transparent and Stretchable High-Performance Supercapacitors Based on Wrinkled Graphene Electrodes. ACS Nano, 2014, 8, 1039-1046.	7.3	406
31	Sizeâ€and Shapeâ€Dependent Fluorescence Quenching of Gold Nanoparticles on Perylene Dye. Advanced Optical Materials, 2013, 1, 581-587.	3.6	72
32	Hydrophilic Cucurbit[7]uril-Pseudorotaxane-Anchored-Monolayer-Protected Gold Nanorods. European Journal of Inorganic Chemistry, 2013, 2013, 2682-2686.	1.0	15
33	Three-dimensional B,N-doped graphene foam as a metal-free catalyst for oxygen reduction reaction. Physical Chemistry Chemical Physics, 2013, 15, 12220.	1.3	284
34	Graphitic Carbon Materials for Energy Applications. , 2013, , .		0
35	Graphene-based materials for energy applications. MRS Bulletin, 2012, 37, 1265-1272.	1.7	140
36	Nitrogenâ€Doped Graphene Foams as Metalâ€Free Counter Electrodes in Highâ€Performance Dyeâ€Sensitized Solar Cells. Angewandte Chemie - International Edition, 2012, 51, 12124-12127.	7.2	581

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37	Vertically Aligned Carbon Nanotube Arrays Co-doped with Phosphorus and Nitrogen as Efficient Metal-Free Electrocatalysts for Oxygen Reduction. Journal of Physical Chemistry Letters, 2012, 3, 2863-2870.	2.1	294
38	Sulfated Graphene Oxide as a Hole-Extraction Layer in High-Performance Polymer Solar Cells. Journal of Physical Chemistry Letters, 2012, 3, 1928-1933.	2.1	151
39	Functionalization of Graphene Oxide with Polyhedral Oligomeric Silsesquioxane (POSS) for Multifunctional Applications. Journal of Physical Chemistry Letters, 2012, 3, 1607-1612.	2.1	234
40	Hole and Electron Extraction Layers Based on Graphene Oxide Derivatives for Highâ€Performance Bulk Heterojunction Solar Cells. Advanced Materials, 2012, 24, 2228-2233.	11.1	279
41	Graphene Oxide Derivatives: Hole and Electron Extraction Layers Based on Graphene Oxide Derivatives for High-Performance Bulk Heterojunction Solar Cells (Adv. Mater. 17/2012). Advanced Materials, 2012, 24, 2227-2227.	11.1	5
42	Oxidizing metal ions with graphene oxide: the in situ formation of magnetic nanoparticles on self-reduced graphene sheets for multifunctional applications. Chemical Communications, 2011, 47, 11689.	2.2	177
43	Durable, Selfâ€Healing Superhydrophobic and Superoleophobic Surfaces from Fluorinatedâ€Decyl Polyhedral Oligomeric Silsesquioxane and Hydrolyzed Fluorinated Alkyl Silane. Angewandte Chemie - International Edition, 2011, 50, 11433-11436.	7.2	451
44	Vertically Aligned BCN Nanotubes as Efficient Metalâ€Free Electrocatalysts for the Oxygen Reduction Reaction: A Synergetic Effect by Coâ€Doping with Boron and Nitrogen. Angewandte Chemie - International Edition, 2011, 50, 11756-11760.	7.2	725
45	Magnetic Liquid Marbles: A â€œPreciseâ€•Miniature Reactor. Advanced Materials, 2010, 22, 4814-4818.	11.1	298
46	Magnet-Induced Temporary Superhydrophobic Coatings from One-Pot Synthesized Hydrophobic Magnetic Nanoparticles. ACS Applied Materials & Interfaces, 2010, 2, 1449-1455.	4.0	60
47	Superhydrophobic electrospun POSS-PMMA copolymer fibres with highly ordered nanofibrillar and surface structures. Chemical Communications, 2009, , 6418.	2.2	83
48	Preparation of carbon-coated MnCO3@MnO2 hierarchical hollow nanostructure and their application in supercapacitors. Journal of Materials Science: Materials in Electronics, 0, , 1.	1.1	1