

Yuhua Xue

List of Publications by Citations

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

50
papers

6,856
citations

28
h-index

54
g-index

54
ext. papers

7,402
ext. citations

9.4
avg. IF

6
L-index

#	Paper	IF	Citations
50	Metal-free catalysts for oxygen reduction reaction. <i>Chemical Reviews</i> , 2015 , 115, 4823-92	68.1	1763
49	Vertically aligned BCN nanotubes as efficient metal-free electrocatalysts for the oxygen reduction reaction: a synergetic effect by co-doping with boron and nitrogen. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 11756-60	16.4	650
48	Nitrogen-doped graphene foams as metal-free counter electrodes in high-performance dye-sensitized solar cells. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 12124-7	16.4	535
47	Durable, self-healing superhydrophobic and superoleophobic surfaces from fluorinated-decyl polyhedral oligomeric silsesquioxane and hydrolyzed fluorinated alkyl silane. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 11433-6	16.4	409
46	Highly efficient electrocatalysts for oxygen reduction based on 2D covalent organic polymers complexed with non-precious metals. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 2433-7	16.4	363
45	Transparent and stretchable high-performance supercapacitors based on wrinkled graphene electrodes. <i>ACS Nano</i> , 2014 , 8, 1039-46	16.7	363
44	Magnetic liquid marbles: a "precise" miniature reactor. <i>Advanced Materials</i> , 2010 , 22, 4814-8	24	271
43	Vertically Aligned Carbon Nanotube Arrays Co-doped with Phosphorus and Nitrogen as Efficient Metal-Free Electrocatalysts for Oxygen Reduction. <i>Journal of Physical Chemistry Letters</i> , 2012 , 3, 2863-70	6.4	269
42	Three-dimensional B,N-doped graphene foam as a metal-free catalyst for oxygen reduction reaction. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 12220-6	3.6	260
41	Hole and electron extraction layers based on graphene oxide derivatives for high-performance bulk heterojunction solar cells. <i>Advanced Materials</i> , 2012 , 24, 2228-33	24	256
40	Functionalization of Graphene Oxide with Polyhedral Oligomeric Silsesquioxane (POSS) for Multifunctional Applications. <i>Journal of Physical Chemistry Letters</i> , 2012 , 3, 1607-12	6.4	206
39	Oxidizing metal ions with graphene oxide: the in situ formation of magnetic nanoparticles on self-reduced graphene sheets for multifunctional applications. <i>Chemical Communications</i> , 2011 , 47, 11689-91	5.8	158
38	Rationally designed graphene-nanotube 3D architectures with a seamless nodal junction for efficient energy conversion and storage. <i>Science Advances</i> , 2015 , 1, e1400198	14.3	152
37	Sulfated Graphene Oxide as a Hole-Extraction Layer in High-Performance Polymer Solar Cells. <i>Journal of Physical Chemistry Letters</i> , 2012 , 3, 1928-33	6.4	132
36	Vertically Aligned BCN Nanotubes as Efficient Metal-Free Electrocatalysts for the Oxygen Reduction Reaction: A Synergetic Effect by Co-Doping with Boron and Nitrogen. <i>Angewandte Chemie</i> , 2011 , 123, 11960-11964	3.6	120
35	Graphene-based materials for energy applications. <i>MRS Bulletin</i> , 2012 , 37, 1265-1272	3.2	113
34	Graphene oxide nanoribbon as hole extraction layer to enhance efficiency and stability of polymer solar cells. <i>Advanced Materials</i> , 2014 , 26, 786-90	24	94

33	Superhydrophobic electrospun POSS-PMMA copolymer fibres with highly ordered nanofibrillar and surface structures. <i>Chemical Communications</i> , 2009 , 6418-20	5.8	78
32	Reversible self-assembly of terpyridine-functionalized graphene oxide for energy conversion. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 1415-9	16.4	71
31	Size- and Shape-Dependent Fluorescence Quenching of Gold Nanoparticles on Perylene Dye. <i>Advanced Optical Materials</i> , 2013 , 1, 581-587	8.1	67
30	Nitrogen-Doped Graphene Foams as Metal-Free Counter Electrodes in High-Performance Dye-Sensitized Solar Cells. <i>Angewandte Chemie</i> , 2012 , 124, 12290-12293	3.6	60
29	Multiscale patterning of graphene oxide and reduced graphene oxide for flexible supercapacitors. <i>Carbon</i> , 2015 , 92, 305-310	10.4	56
28	Magnet-induced temporary superhydrophobic coatings from one-pot synthesized hydrophobic magnetic nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2010 , 2, 1449-55	9.5	53
27	Nitrogen-doped graphene by ball-milling graphite with melamine for energy conversion and storage. <i>2D Materials</i> , 2015 , 2, 044001	5.9	50
26	Highly Efficient Electrocatalysts for Oxygen Reduction Based on 2D Covalent Organic Polymers Complexed with Non-precious Metals. <i>Angewandte Chemie</i> , 2014 , 126, 2465-2469	3.6	47
25	Two-Dimensional Fully Conjugated Polymeric Photosensitizers for Advanced Photodynamic Therapy. <i>Chemistry of Materials</i> , 2016 , 28, 8651-8658	9.6	42
24	Flexible fiber-shaped non-enzymatic sensors with a graphene-metal heterostructure based on graphene fibres decorated with gold nanosheets. <i>Carbon</i> , 2018 , 136, 329-336	10.4	41
23	N-doped graphene nanoribbons as efficient metal-free counter electrodes for disulfide/thiolate redox mediated DSSCs. <i>Nanoscale</i> , 2015 , 7, 7078-83	7.7	35
22	PAF-derived nitrogen-doped 3D Carbon Materials for Efficient Energy Conversion and Storage. <i>Scientific Reports</i> , 2015 , 5, 8307	4.9	25
21	Cytotoxicity and genotoxicity of bacterial magnetosomes against human retinal pigment epithelium cells. <i>Scientific Reports</i> , 2016 , 6, 26961	4.9	21
20	Hierarchical core-shell fibers of graphene fiber/radially-aligned molybdenum disulfide nanosheet arrays for highly efficient energy storage. <i>Journal of Alloys and Compounds</i> , 2020 , 828, 153622	5.7	15
19	Hydrophilic Cucurbit[7]uril-Pseudorotaxane-Anchored-Monolayer-Protected Gold Nanorods. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 2682-2686	2.3	11
18	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. <i>Mikrochimica Acta</i> , 2017 , 184, 3521-3528	5.8	9
17	Graphene/tungsten disulfide core-sheath fibers: High-performance electrodes for flexible all-solid-state fiber-shaped supercapacitors. <i>Journal of Alloys and Compounds</i> , 2021 , 858, 157747	5.7	9
16	Fabrication of CdTe QD-rGO composites with different linkers for controlling charge separation and recombination. <i>Materials Research Bulletin</i> , 2018 , 98, 53-58	5.1	8

15	Determination of Ag ⁺ ions by a graphene oxide based dual-output nanosensor with high selectivity. <i>RSC Advances</i> , 2016 , 6, 36218-36222	3.7	8
14	Flexible fiber-shaped supercapacitors based on graphene/polyaniline hybrid fibers with high energy density and capacitance. <i>Nanotechnology</i> , 2021 , 32,	3.4	6
13	Graphene Oxide Derivatives: Hole and Electron Extraction Layers Based on Graphene Oxide Derivatives for High-Performance Bulk Heterojunction Solar Cells (Adv. Mater. 17/2012). <i>Advanced Materials</i> , 2012 , 24, 2227-2227	24	5
12	Ultraviolet/ozone treatment for boosting OER activity of MOF nanoneedle arrays. <i>Chemical Engineering Journal</i> , 2022 , 427, 131498	14.7	5
11	Metathesis Reaction to Form Nanosheet-Structured Co(OH) ₂ Deposited on N-Doped Carbon as Composite Electrocatalysts for Oxygen Reduction. <i>ACS Applied Energy Materials</i> , 2021 , 4, 4165-4172	6.1	4
10	Reversible Self-Assembly of Terpyridine-Functionalized Graphene Oxide for Energy Conversion. <i>Angewandte Chemie</i> , 2014 , 126, 1439-1443	3.6	3
9	Boosting Electrocatalytic Performance of Co(OH) ₂ /NC for Oxygen Reduction Reaction by a Secondary-N-Doping Strategy. <i>Journal of the Electrochemical Society</i> , 2021 , 168, 054520	3.9	3
8	Synthesis and Cytotoxicity of POSS Modified Single Walled Carbon Nanotubes. <i>Journal of Nanomaterials</i> , 2015 , 2015, 1-7	3.2	2
7	Preparation of Nitrogen-Doped Cellulose-Based Porous Carbon and Its Carbon Dioxide Adsorption Properties. <i>ACS Omega</i> , 2021 , 6, 24814-24825	3.9	2
6	Rücktitelbild: Nitrogen-Doped Graphene Foams as Metal-Free Counter Electrodes in High-Performance Dye-Sensitized Solar Cells (Angew. Chem. 48/2012). <i>Angewandte Chemie</i> , 2012 , 124, 12300-12300	3.6	1
5	Preparation of carbon-coated MnCO ₃ @MnO ₂ hierarchical hollow nanostructure and their application in supercapacitors. <i>Journal of Materials Science: Materials in Electronics</i> , 1	2.1	1
4	Core-sheath fibers composed of F-doped nickel hydroxide nanorods and graphene fibers for effective fiber-shaped nonenzymatic glucose sensors. <i>Journal of Alloys and Compounds</i> , 2022 , 889, 161608	5.7	1
3	Rationally designed hierarchical C/TiO ₂ /Ti multilayer core-sheath wires for high-performance energy storage devices. <i>Nanoscale</i> , 2021 , 13, 8658-8664	7.7	1
2	Transition Metal (Fe, Ni, Mn) with Heteroatoms B and S Tri-doped Co/C Catalysts for Oxygen Reduction Reaction. <i>Energy & Fuels</i> , 2021 , 35, 16822-16828	4.1	0
1	A Highly Active Oxygen Reduction Composite Electrocatalyst of Fe ₃ C with a N, F Dual-Doped Carbon Layer. <i>Journal of the Electrochemical Society</i> , 2021 , 168, 054511	3.9	0