

# Jianhua Hou

## List of Publications by Citations

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39  
papers

2,316  
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h-index

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44  
ext. papers

2,910  
ext. citations

7.6  
avg, IF

5.45  
L-index

#	Paper	IF	Citations
39	Hierarchical porous nitrogen-doped carbon nanosheets derived from silk for ultrahigh-capacity battery anodes and supercapacitors. <i>ACS Nano</i> , <b>2015</b> , 9, 2556-64	16.7	1164
38	Popcorn-Derived Porous Carbon Flakes with an Ultrahigh Specific Surface Area for Superior Performance Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 30626-30634	9.5	170
37	From rice bran to high energy density supercapacitors: a new route to control porous structure of 3D carbon. <i>Scientific Reports</i> , <b>2014</b> , 4, 7260	4.9	101
36	Enhanced electrochemical performance of ball milled CoO for supercapacitor applications. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 16467-16473	13	94
35	Tunable porous structure of carbon nanosheets derived from puffed rice for high energy density supercapacitors. <i>Journal of Power Sources</i> , <b>2017</b> , 371, 148-155	8.9	73
34	A co-sol-emulsion-gel synthesis of tunable and uniform hollow carbon nanospheres with interconnected mesoporous shells. <i>Nanoscale</i> , <b>2016</b> , 8, 451-7	7.7	70
33	Remarkable cycling durability of lithium-sulfur batteries with interconnected mesoporous hollow carbon nanospheres as high sulfur content host. <i>Chemical Engineering Journal</i> , <b>2020</b> , 401, 126141	14.7	61
32	Simultaneous reductive and sorptive removal of Cr(VI) by activated carbon supported FeOOH. <i>RSC Advances</i> , <b>2017</b> , 7, 34687-34693	3.7	44
31	Hierarchical mesoporous NiCo <sub>2</sub> O <sub>4</sub> hollow nanocubes for supercapacitors. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 6268-74	3.6	43
30	Floating photocatalyst of B-N-TiO <sub>2</sub> /expanded perlite: a sol-gel synthesis with optimized mesoporous and high photocatalytic activity. <i>Scientific Reports</i> , <b>2016</b> , 6, 29902	4.9	42
29	Micro and nano hierarchical structures of BiOI/activated carbon for efficient visible-light-photocatalytic reactions. <i>Scientific Reports</i> , <b>2017</b> , 7, 11665	4.9	42
28	Narrowing the Band Gap of BiOCl for the Hydroxyl Radical Generation of Photocatalysis under Visible Light. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 16569-16576	8.3	40
27	Template-free synthesis of highly ordered 3D-hollow hierarchical Nb <sub>2</sub> O <sub>5</sub> superstructures as an asymmetric supercapacitor by using inorganic electrolyte. <i>Electrochimica Acta</i> , <b>2016</b> , 216, 332-338	6.7	40
26	Facile synthesis of novel Nb <sub>3</sub> O <sub>7</sub> F nanoflowers, their optical and photocatalytic properties. <i>CrystEngComm</i> , <b>2013</b> , 15, 8146	3.3	34
25	Use of Gemini surfactant as emulsion interface microreactor for the synthesis of nitrogen-doped hollow carbon spheres for high-performance supercapacitors. <i>Chemical Engineering Journal</i> , <b>2020</b> , 384, 123309	14.7	34
24	Photocatalytic behavior of biochar-modified carbon nitride with enriched visible-light reactivity. <i>Chemosphere</i> , <b>2020</b> , 239, 124713	8.4	31
23	Lantern-like bismuth oxyiodide embedded typha-based carbon via in situ self-template and ion exchange-recrystallization for high-performance photocatalysis. <i>Dalton Transactions</i> , <b>2018</b> , 47, 6692-6701	4.3	29

22	Variable dimensional structure and interface design of g-C <sub>3</sub> N <sub>4</sub> /BiOI composites with oxygen vacancy for improving visible-light photocatalytic properties. <i>Journal of Cleaner Production</i> , <b>2021</b> , 287, 125072	10.3	26
21	Hierarchical porous biochar-based functional materials derived from biowaste for Pb(II) removal. <i>Applied Surface Science</i> , <b>2019</b> , 465, 297-302	6.7	25
20	Atomic Fe-N /C in flexible carbon fiber membrane as binder-free air cathode for Zn-air batteries with stable cycling over 1000 hours. <i>Advanced Materials</i> , <b>2021</b> , e2105410	24	23
19	BiOI/nitrogen-doped hierarchical carbon (NHC) composites with tremella-like structure for high photocatalytic performance. <i>Chemosphere</i> , <b>2019</b> , 229, 426-433	8.4	22
18	Ultrathin-Layer Structure of BiOI Microspheres Decorated on N-Doped Biochar With Efficient Photocatalytic Activity. <i>Frontiers in Chemistry</i> , <b>2019</b> , 7, 378	5	15
17	Formamide-assisted one-pot synthesis of a Bi/Bi <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> heterojunction photocatalyst with enhanced photocatalytic activity. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 769, 301-310	5.7	15
16	The chemical precipitation synthesis of nanorose-shaped Bi <sub>4</sub> O <sub>5</sub> I <sub>2</sub> with highly visible light photocatalytic performance. <i>Materials Letters</i> , <b>2019</b> , 252, 106-109	3.3	10
15	Fine-tuning internal electric field of BiOBr for suppressed charge recombination. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 104766	6.8	9
14	Fast preparation of oxygen vacancy-rich 2D/2D bismuth oxyhalides-reduced graphene oxide composite with improved visible-light photocatalytic properties by solvent-free grinding. <i>Journal of Cleaner Production</i> , <b>2021</b> , 328, 129651	10.3	8
13	BiOCl/cattail carbon composites with hierarchical structure for enhanced photocatalytic activity. <i>Solar Energy</i> , <b>2020</b> , 211, 1263-1269	6.8	8
12	Oxygen vacancies induced narrow band gap of BiOCl for efficient visible-light catalytic performance from double radicals. <i>Journal of Materials Science and Technology</i> , <b>2022</b> , 114, 240-248	9.1	6
11	Adsorption and reduction of hexavalent chromium on magnetic greigite (FeS)-CTAB: leading role of Fe(II) and S(-II).. <i>RSC Advances</i> , <b>2018</b> , 8, 31568-31574	3.7	6
10	Nitrogen-Doped Carbon Nanosheets Decorated With MnO Nanoparticles for Excellent Oxygen Reduction Reaction. <i>Frontiers in Chemistry</i> , <b>2019</b> , 7, 741	5	5
9	Mechanism analysis of MnFeO/FeS for removal of Cr(VI) from aqueous phase. <i>Ecotoxicology and Environmental Safety</i> , <b>2021</b> , 217, 112209	7	5
8	Hydrated lithium ions intercalated VO with dual-ion synergistic insertion mechanism for high-performance aqueous zinc-ion batteries. <i>Journal of Colloid and Interface Science</i> , <b>2022</b> , 606, 645-653	9.3	4
7	Recent advances in BiOX-based photocatalysts to enhanced efficiency for energy and environment applications. <i>Catalysis Reviews - Science and Engineering</i> , 1-55	12.6	4
6	Mitigating voltage decay of Li-Rich layer oxide cathode material via an ultrathin [lithium ion pump] heteroepitaxial surface modification. <i>Journal of Power Sources</i> , <b>2021</b> , 511, 230427	8.9	3
5	Chemical precipitation synthesis of Bi <sub>0.7</sub> Fe <sub>0.3</sub> OCl nanosheets via Fe (III)-doped BiOCl for highly visible light photocatalytic performance. <i>Materials Today Communications</i> , <b>2021</b> , 26, 102145	2.5	2

4	Effect of interface types on the static and dynamic mechanical properties of 3D braided SiC/SiC composites after oxidation. <i>Ceramics International</i> , <b>2021</b> , 47, 13301-13311	5.1	2
3	Accelerating interlayer charge transport of alkali metal-intercalated carbon nitride for enhanced photocatalytic hydrogen evolution. <i>Research on Chemical Intermediates</i> , 1	2.8	2
2	Efficient purification of toluene gas by anoxic denitrification. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 11683-11688	5.1	1
1	Switching charge transfer of g-C <sub>3</sub> N <sub>4</sub> /BiVO <sub>4</sub> heterojunction from type II to Z-scheme via interfacial vacancy engineering for improved photocatalysis. <i>International Journal of Hydrogen Energy</i> , <b>2022</b> , 47, 8749-8760	6.7	0