

# Jianhua Yu

## List of Publications by Year in descending order

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42  
papers

1,159  
citations

430874

18  
h-index

395702

33  
g-index

43  
all docs

43  
docs citations

43  
times ranked

1697  
citing authors

#	ARTICLE	IF	CITATIONS
1	High performance fiber-shaped flexible asymmetric supercapacitor based on MnO <sub>2</sub> nanostructure composited with CuO nanowires and carbon nanotubes. <i>Ceramics International</i> , 2022, 48, 13996-14003.	4.8	19
2	Oxygen Engineering Enables N-Doped Porous Carbon Nanofibers as Oxygen Reduction/Evolution Reaction Electrocatalysts for Flexible Zinc-Air Batteries. <i>ACS Catalysis</i> , 2022, 12, 4002-4015.	11.2	68
3	Soybean root-derived heteroatoms co-doped porous carbon with ultra-high specific surface area for high performance supercapacitors. <i>Diamond and Related Materials</i> , 2022, 126, 109044.	3.9	8
4	CoFeNi/N-codoped carbon nanotubes with small diameters derived from spherical Prussian blue analog as bifunctional oxygen electrocatalysts for rechargeable Zn-air batteries. <i>Journal of Alloys and Compounds</i> , 2022, 910, 164964.	5.5	13
5	In-situ preparation of carbon nanotubes on CuO nanowire via chemical vapor deposition and their growth mechanism investigation. <i>Vacuum</i> , 2022, 204, 111337.	3.5	3
6	CoP@NC electrocatalyst promotes hydrogen and oxygen productions for overall water splitting in alkaline media. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 2095-2102.	7.1	18
7	Tailoring in-situ N, O, P, S-doped soybean-derived porous carbon with ultrahigh capacitance in both acidic and alkaline media. <i>Renewable Energy</i> , 2021, 163, 375-385.	8.9	49
8	A novel wire-shaped supercapacitor based on MnO <sub>2</sub> nanoflakes and carbon nanotubes with high performance synthesized by sacrificial template method. <i>Applied Surface Science</i> , 2021, 551, 149417.	6.1	18
9	Developing nitrogen and Co/Fe/Ni multi-doped carbon nanotubes as high-performance bifunctional catalyst for rechargeable zinc-air battery. <i>Journal of Colloid and Interface Science</i> , 2021, 593, 204-213.	9.4	36
10	A hierarchical architecture of Fe/Co/Ni-doped carbon nanotubes/nanospheres grafted on graphene as advanced bifunctional electrocatalyst for Zn-Air batteries. <i>Journal of Alloys and Compounds</i> , 2021, 873, 159833.	5.5	27
11	Investigation on Electron Transfer Process of Oxygen Reduction Reactions Catalyzed by Nitrogen-doped Graphitic Carbon in Acidic and Alkaline Media. <i>Journal of the Electrochemical Society</i> , 2021, 168, 096508.	2.9	4
12	MOF derived hierarchical carbon-enhanced MCo <sub>2</sub> S <sub>4</sub> for high-performance hybrid supercapacitors. <i>Diamond and Related Materials</i> , 2021, 120, 108673.	3.9	7
13	Carbon rods with hexa-branched structure and their formation mechanism. <i>Materials Letters</i> , 2020, 262, 127198.	2.6	0
14	Hierarchical architecture derived from two-dimensional zeolitic imidazolate frameworks as an efficient metal-based bifunctional oxygen electrocatalyst for rechargeable Zn-air batteries. <i>Electrochimica Acta</i> , 2020, 331, 135394.	5.2	43
15	Dual-active-site hierarchical architecture containing NiFe-LDH and ZIF-derived carbon-based framework composite as efficient bifunctional oxygen electrocatalysts for durable rechargeable Zn-air batteries. <i>Chemical Engineering Journal</i> , 2020, 399, 125718.	12.7	84
16	Structural and Electrochemical Characterizations of NiCo-S@GO composite as Supercapacitor Electrode. <i>Microscopy and Microanalysis</i> , 2020, 26, 2802-2803.	0.4	0
17	Synthesis and Structural Characterization of Co <sub>3</sub> O <sub>4</sub> Electrocatalysts on Carbon Fiber Cloth with Tunable Morphologies and Electrochemical Properties. <i>Microscopy and Microanalysis</i> , 2019, 25, 2104-2105.	0.4	0
18	Microscopy Study of the Morphology of Carbonized ZIF-67 Tailored by CTAB. <i>Microscopy and Microanalysis</i> , 2019, 25, 2224-2225.	0.4	0

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19	Facile Synthesis of Binary Transition Metal Sulfide Tubes Derived from NiCo-MOF-74 for High-Performance Supercapacitors. <i>Energy Technology</i> , 2019, 7, 1900018.	3.8	67
20	Electrochemistry of myoglobin on graphene-SnO <sub>2</sub> nanocomposite modified electrode and its electrocatalysis. <i>Arabian Journal of Chemistry</i> , 2019, 12, 3336-3344.	4.9	8
21	Effect of Electronic Coupling on the Electrocatalytic Performance of Ag-MFe <sub>2</sub> O <sub>4</sub> (M = Co, Mn) Nanocomposites. <i>Journal of the Electrochemical Society</i> , 2017, 164, F1483-F1488.	2.9	6
22	Highly efficient hydrogen generation from hydrous hydrazine using a reduced graphene oxide-supported NiPt nanoparticle catalyst. <i>Journal of Alloys and Compounds</i> , 2017, 690, 783-790.	5.5	24
23	Preparation and enhanced photocatalytic activity of carbon nitride/titania(001 vs 101 facets)/reduced graphene oxide (g-C <sub>3</sub> N <sub>4</sub> /TiO <sub>2</sub> /rGO) hybrids under visible light. <i>Applied Surface Science</i> , 2016, 389, 1084-1093.	6.1	120
24	Compact Layer Free Perovskite Solar Cells with a High-Mobility Hole-Transporting Layer. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 2652-2657.	8.0	68
25	3D nanospherical Cd ZnS/reduced graphene oxide composites with superior photocatalytic activity and photocorrosion resistance. <i>Applied Surface Science</i> , 2016, 365, 227-239.	6.1	45
26	Significant effects of hydrothermal condition and annealing atmosphere on the properties of Cu <sub>2</sub> ZnSn(S,Se) <sub>4</sub> films. <i>Applied Surface Science</i> , 2016, 362, 512-516.	6.1	4
27	Low-temperature, solution-processed aluminum-doped zinc oxide as electron transport layer for stable efficient polymer solar cells. <i>Thin Solid Films</i> , 2016, 605, 202-207.	1.8	3
28	Sensitive Electrochemical Detection of Dopamine With a Nitrogen-doped Graphene Modified Glassy Carbon Electrode. <i>Croatica Chemica Acta</i> , 2016, 89, .	0.4	2
29	Electrical properties of acrylic resin composite thin films with graphene/silver nanowires. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	5
30	Intergrowth and coexistence effects of TiO <sub>2</sub> -SnO <sub>2</sub> nanocomposite with excellent photocatalytic activity. <i>Journal of Alloys and Compounds</i> , 2015, 629, 55-61.	5.5	92
31	Synthesis of nanostructured MnO <sub>2</sub> , SnO <sub>2</sub> , and Co <sub>3</sub> O <sub>4</sub> : graphene composites with enhanced microwave absorption properties. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 119, 1483-1490.	2.3	30
32	Simple synthesis of solution-processable oxygen-enriched graphene as anode buffer layer for efficient organic solar cells. <i>Organic Electronics</i> , 2015, 27, 143-150.	2.6	6
33	A simple method to synthesize carbon nanofibers with a parallel growth mode and their capacitive properties. <i>Materials Research Express</i> , 2014, 1, 035602.	1.6	0
34	Electrochemical detection of rutin on nitrogen-doped graphene modified carbon ionic liquid electrode. <i>Sensors and Actuators B: Chemical</i> , 2014, 199, 36-41.	7.8	42
35	Application of N-doped graphene modified carbon ionic liquid electrode for direct electrochemistry of hemoglobin. <i>Materials Science and Engineering C</i> , 2014, 39, 86-91.	7.3	23
36	Influence of preparation methods on the structure and catalytic performance of SnO <sub>2</sub> -doped TiO <sub>2</sub> photocatalysts. <i>Ceramics International</i> , 2014, 40, 13305-13312.	4.8	43

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37	Self-Organized Platinum Nanoparticles on Freestanding Graphene. ACS Nano, 2014, 8, 2697-2703.	14.6	39
38	Graphene and N-Doped Graphene Coated with SnO <sub>2</sub> Nanoparticles as Supercapacitor Electrodes. ECS Transactions, 2013, 53, 1-8.	0.5	4
39	Nitrogen-doped graphene as catalysts and catalyst supports for oxygen reduction in both acidic and alkaline solutions. International Journal of Hydrogen Energy, 2013, 38, 1413-1418.	7.1	105
40	N-doped graphene-supported Pt and Pt-Ru nanoparticles with high electrocatalytic activity for methanol oxidation. Journal of Renewable and Sustainable Energy, 2013, 5, 021405.	2.0	8
41	Solvothermal synthesis of boron-doped graphene and nitrogen-doped graphene and their electrical properties. Journal of Renewable and Sustainable Energy, 2013, 5, 021408.	2.0	18
42	Enhanced Photoelectrochemical Properties of CdS/ZnO Supported on Carbon Nanotube Films. ECS Transactions, 2011, 41, 207-210.	0.5	0