Yejun Qiu

List of Publications by Year
in descending order

69 papers	3,035 citations	136740 32 h-index	168136 53 g-index
73 all docs	73 docs citations	73 times ranked	4621 citing authors

#	Article	IF	Citations
1	Recent advances in energy materials by electrospinning. Renewable and Sustainable Energy Reviews, 2018, 81, 1825-1858.	8.2	212
2	Graphene/MoS2/FeCoNi(OH)x and Graphene/MoS2/FeCoNiPx multilayer-stacked vertical nanosheets on carbon fibers for highly efficient overall water splitting. Nature Communications, 2021, 12, 1380.	5.8	194
3	A flexible, electrochromic, rechargeable Zn//PPy battery with a short circuit chromatic warning function. Journal of Materials Chemistry A, 2018, 6, 11113-11118.	5.2	120
4	Nitrogen-doped ultrathin carbon nanofibers derived from electrospinning: Large-scale production, unique structure, and application as electrocatalysts for oxygen reduction. Journal of Power Sources, 2011, 196, 9862-9867.	4.0	119
5	Iron-facilitated surface reconstruction to in-situ generate nickelâ€“iron oxyhydroxide on self-supported FeNi alloy fiber paper for efficient oxygen evolution reaction. Applied Catalysis B: Environmental, 2021, 286, 119902.	10.8	105
6	Scalable neutral H2O2 electrosynthesis by platinum diphosphide nanocrystals by regulating oxygen reduction reaction pathways. Nature Communications, 2020, 11, 3928.	5.8	101
7	Aligned polyaniline nanowires grown on the internal surface of macroporous carbon for supercapacitors. Journal of Materials Chemistry A, 2015, 3, 23307-23315.	5.2	77
8	Electrospun Ti4O7/C conductive nanofibers as interlayer for lithium-sulfur batteries with ultra long cycle life and high-rate capability. Chemical Engineering Journal, 2019, 355, 390-398.	6.6	77
9	A Ni2P nanocrystal cocatalyst enhanced TiO2 photoanode towards highly efficient photoelectrochemical water splitting. Chemical Engineering Journal, 2020, 385, 123878.	6.6	71
10	In situ decorated Ni₂P nanocrystal co-catalysts on g-C₃N₄ for efficient and stable photocatalytic hydrogen evolution via a facile co-heating method. Journal of Materials Chemistry A, 2020, 8, 2995-3004.	5.2	68
11	Synthesis of lead-free Cs₃Sb₂Br₉ perovskite alternative nanocrystals with enhanced photocatalytic CO₂ reduction activity. Nanoscale, 2020, 12, 2987-2991.	2.8	65
12	Self-Assembled Monolayer Enables Slurry-Coating of Li Anode. ACS Central Science, 2019, 5, 468-476.	5.3	64
13	Large-scale synthesis of hybrid metal oxides through metal redox mechanism for high-performance pseudocapacitors. Scientific Reports, 2016, 6, 20021.	1.6	63
14	Nitrogen-doped activated carbon with micrometer-scale channels derived from luffa sponge fibers as electrocatalysts for oxygen reduction reaction with high stability in acidic media. Electrochimica Acta, 2014, 149, 56-64.	2.6	61
15	Hydrothermally synthesized porous Mn3O4 nanoparticles with enhanced electrochemical performance for supercapacitors. Ceramics International, 2019, 45, 2226-2233.	2.3	61
16	Reduced graphene oxide/Mn 3 O 4 nanocomposite electrodes with enhanced electrochemical performance for energy storage applications. Journal of Electroanalytical Chemistry, 2017, 794, 78-85.	1.9	58
17	Onion-like graphitic nanoshell structured Feâ€“N/C nanofibers derived from electrospinning for oxygen reduction reaction in acid media. Electrochemistry Communications, 2013, 30, 1-4.	2.3	51
18	The effect of different nitrogen sources on the electrocatalytic properties of nitrogen-doped electrospun carbon nanofibers for the oxygen reduction reaction. International Journal of Hydrogen Energy, 2015, 40, 4673-4682.	3.8	50

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19	Graphene decorated polymeric flexible materials for lightweight high areal energy lithium-ion batteries. Applied Materials Today, 2019, 17, 123-129.	2.3	43
20	Hybrid co-based MOF nanoboxes/CNFs interlayer as microreactors for polysulfides-trapping in lithium-sulfur batteries. Journal of Energy Chemistry, 2021, 57, 469-476.	7.1	43
21	Synthesis of continuous boron nitride nanofibers by solution coating electrospun template fibers. Nanotechnology, 2009, 20, 345603.	1.3	41
22	Synthesis of Porous NiO and ZnO Submicro- and Nanofibers from Electrospun Polymer Fiber Templates. Nanoscale Research Letters, 2009, 4, 173-177.	3.1	40
23	A polysulfide-trapping interlayer constructed by boron and nitrogen co-doped carbon nanofibers for long-life lithium sulfur batteries. Journal of Electroanalytical Chemistry, 2019, 833, 151-159.	1.9	40
24	Synthesis of Carbon/Carbon Core/Shell Nanotubes with a High Specific Surface Area. Journal of Physical Chemistry C, 2009, 113, 61-68.	1.5	39
25	Ni2P nanocrystals modification on Ta:Î±-Fe2O3 photoanode for efficient photoelectrochemical water splitting: In situ formation and synergistic catalysis of Ni2P@NiOOH cocatalyst. Chemical Engineering Journal, 2022, 449, 137792.	6.6	37
26	Highly thermal-stable and transparent silver nanowire conductive films via magnetic assisted electrodeposition of Ni. Journal of Materials Chemistry C, 2018, 6, 4887-4894.	2.7	36
27	Dendrite-Free Lithium Anodes Enabled by a Commonly Used Copper Antirusting Agent. ACS Applied Materials & Interfaces, 2020, 12, 8168-8175.	4.0	35
28	Feâ€“N/C nanofiber electrocatalysts with improved activity and stability for oxygen reduction in alkaline and acid solutions. Journal of Solid State Electrochemistry, 2013, 17, 565-573.	1.2	33
29	Graphenothermal reduction synthesis of MnO/RGO composite with excellent anodic behaviour in lithium ion batteries. Ceramics International, 2018, 44, 3077-3084.	2.3	33
30	Enhancement of electrocatalytic activity for oxygen reduction reaction in alkaline and acid media from electrospun nitrogen-doped carbon nanofibers by surface modification. RSC Advances, 2013, 3, 15655.	1.7	32
31	Exploiting the Synergistic Electronic Interaction between Ptâ€Skin Wrapped Intermetallic PtCo Nanoparticles and Coâ€Nâ€C Support for Efficient ORR/EOR Electrocatalysis in a Direct Ethanol Fuel Cell. Small, 2022, 18, .	5.2	31
32	Electrospun carbon nanofibers decorated with MnO nanoparticles as a sulfur-absorbent for lithium-sulfur batteries. Ceramics International, 2018, 44, 16837-16843.	2.3	29
33	Facile and cost-effective synthesis of flower-like RGO/Fe3O4 nanocomposites with ultra-long cycling stability for supercapacitors. Ionics, 2019, 25, 655-664.	1.2	29
34	Mixed-dimensional heterostructures of hydrophobic/hydrophilic graphene foam for tunable hydrogen evolution reaction. Chemosphere, 2020, 245, 125607.	4.2	29
35	Facetâ€Selective Deposition of Ultrathin Al₂O₃ on Copper Nanocrystals for Highly Stable CO₂ Electroreduction to Ethylene. Angewandte Chemie - International Edition, 2021, 60, 24838-24843.	7.2	28
36	Improved Performance by SiO₂ Hollow Nanospheres for Silver Nanowire-Based Flexible Transparent Conductive Films. ACS Applied Materials & Interfaces, 2016, 8, 27055-27063.	4.0	27

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37	Trimetallic FeCoNiâ€“N/C nanofibers with high electrocatalytic activity for oxygen reduction reaction in sulfuric acid solution. Journal of Electroanalytical Chemistry, 2018, 813, 52-57.	1.9	25
38	Electrospun PVDF/PSSLi ionomer films as a functional separator for lithium-sulfur batteries. Journal of Alloys and Compounds, 2019, 785, 627-633.	2.8	25
39	High-capacity cathode for lithium-ion battery from LiFePO4/(CÂ+ÂFe2P) composite nanofibers by electrospinning. Journal of Materials Science, 2014, 49, 504-509.	1.7	23
40	Synthesis of iron oxide embedded reduced graphene oxide composites with enhanced electrochemical performance as Li-ion battery anodes. Journal of Electroanalytical Chemistry, 2019, 834, 173-179.	1.9	23
41	Bimetallic Fe-Co promoting one-step growth of hierarchical nitrogen-doped carbon nanotubes/nanofibers for highly efficient oxygen reduction reaction. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2017, 223, 159-166.	1.7	22
42	Covalent interfacial coupling for hybrid solid-state Li ion conductor. Energy Storage Materials, 2019, 23, 277-283.	9.5	22
43	A colloidal ZnTe quantum dot-based photocathode with a metalâ€“insulatorâ€“semiconductor structure towards solar-driven CO₂ reduction to tunable syngas. Journal of Materials Chemistry A, 2021, 9, 3589-3596.	5.2	19
44	Room temperature all-solid-state lithium batteries based on a soluble organic cage ionic conductor. Nature Communications, 2022, 13, 2031.	5.8	19
45	Improved electrochemical performance of Mn3O4 thin film electrodes for supercapacitors. Materials Science in Semiconductor Processing, 2018, 84, 83-90.	1.9	18
46	Synthesis of flower-like reduced graphene oxideâ€“Mn3O4 nanocomposite electrodes for supercapacitors. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	1.1	18
47	Effect of carbonization temperature on bimetallic FeCo-N/C nanofiber electrocatalysts for oxygen reduction reaction in sulfuric acid solution. International Journal of Hydrogen Energy, 2017, 42, 29274-29282.	3.8	17
48	Heterostructured Ni₃Nâ€“NiMoN Nanowires as Bifunctional Electrocatalysts for Hydrogen Evolution and 5-Hydroxymethylfurfural Oxidation. ACS Applied Nano Materials, 2022, 5, 7321-7330.	2.4	17
49	High electrochemical activity from hybrid materials of electrospun tungsten oxide nanofibers and carbon black. Journal of Materials Science, 2012, 47, 6607-6613.	1.7	13
50	Initiator-Integrated 3-D Printing of Magnetic Object for Remote Controlling Application. IEEE Transactions on Magnetics, 2017, 53, 1-9.	1.2	13
51	FeOOH/Ni heterojunction nanoarrays on carbon cloth as a robust catalyst for efficient oxygen evolution reaction. International Journal of Hydrogen Energy, 2020, 45, 28566-28575.	3.8	13
52	Nickel-enhanced silver nanowire-based transparent heater with large size. RSC Advances, 2018, 8, 14532-14538.	1.7	12
53	Hybrid TiO-TiO2 nanoparticle/B-N co-doped CNFs interlayer for advanced Li S batteries. Journal of Electroanalytical Chemistry, 2021, 881, 114950.	1.9	12
54	Interface Engineering of Colloidal CdSe Quantum Dot Thin Films as Acid-Stable Photocathodes for Solar-Driven Hydrogen Evolution. ACS Applied Materials & Interfaces, 2018, 10, 17129-17139.	4.0	11

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55	Silver nanofibers with controllable microstructure and crystal facet as highly efficient and methanol-tolerant oxygen reduction electrocatalyst. Journal of Power Sources, 2019, 413, 233-240.	4.0	10
56	Mixed-dimensional niobium disulfide-graphene foam heterostructures as an efficient catalyst for hydrogen production. International Journal of Hydrogen Energy, 2021, 46, 33679-33688.	3.8	10
57	Core-Shell AgNWs@Ni(OH)₂ Nanowires Anchored on Filter Paper for Efficient Hydrogen Evolution Reaction. Journal of the Electrochemical Society, 2020, 167, 116520.	1.3	10
58	Nitrogen-doped Carbon Nanofibers as Highly Active Metal-free Electrocatalysts for Oxygen Reduction Reactions in Acidic Media. Chemistry Letters, 2013, 42, 413-415.	0.7	9
59	Electrodeposition of Mo-doped NiFex nanospheres on 3D graphene fibers for efficient overall alkaline water splitting. International Journal of Hydrogen Energy, 2022, 47, 13850-13861.	3.8	9
60	Constructing a sandwich-structured interlayer with strong polysulfides adsorption ability for high-performance lithium-sulfur batteries. Materials Today Energy, 2019, 14, 100339.	2.5	8
61	High-Performance Flexible Transparent Conductive Films Enabled by a Commonly Used Antireflection Layer. ACS Applied Materials & Interfaces, 2021, 13, 2979-2987.	4.0	8
62	Ultrathin hollow hemisphere-carbon-anchored Ni₃FeN nanoparticles as nanoreactors facilitating the formation of NiC_x with long-term durability for the oxygen evolution reaction. Journal of Materials Chemistry A, 2022, 10, 7911-7919.	5.2	7
63	A sandwich-structured TiN/BN-C composite interlayer with enhanced performance for Li S batteries. Journal of Electroanalytical Chemistry, 2020, 862, 113963.	1.9	6
64	The multicomponent synergistic effect of a hierarchical Li_{0.485}La_{0.505}TiO₃ solid-state electrolyte for dendrite-free lithium-metal batteries. Nanoscale, 2022, 14, 7768-7777.	2.8	4
65	Spectroscopic and Electrochemical Properties of Lithium-Rich LiFePO4 Cathode Synthesized by Solid-State Reaction. Journal of Electronic Materials, 2017, 46, 4865-4874.	1.0	3
66	Electrospinning-derived ultrafine silverâ€“carbon composite nanofibers for flexible transparent conductive films. RSC Advances, 2015, 5, 88032-88037.	1.7	2
67	A 3D binder-free AgNWs@NiMo/PU electrode for efficient hydrogen evolution reaction. Journal of Electroanalytical Chemistry, 2021, 886, 115136.	1.9	2
68	A Highly Stable Electrode with Embedded Structure Formed through a Catalytically Oxidative Decomposition Mechanism. Advanced Materials Interfaces, 0, , 2200672.	1.9	1
69	Potential-mediated growth of ultrathin hydrated tungsten oxide nanosheets with high electrochemical activity from amorphous precursor nanofibers. Journal of Materials Science, 2015, 50, 66-73.	1.7	0