Peng Yu

List of Publications by Year
in descending order

43 papers	2,879 citations	218381 26 h-index	253896 43 g-index
43 all docs	43 docs citations	43 times ranked	4416 citing authors

#	Article	IF	Citations
1	Fe3C coupled with Fe-Nx supported on N-doped carbon as oxygen reduction catalyst for assembling Zn-air battery to drive water splitting. Chinese Chemical Letters, 2022, 33, 3903-3908.	4.8	16
2	Atomically Dispersed Feâ€“N₃C Sites Induce Asymmetric Electron Structures to Afford Superior Oxygen Reduction Activity. Small, 2022, 18, e2201255.	5.2	23
3	The cooperation of Fe₃C nanoparticles with isolated single iron atoms to boost the oxygen reduction reaction for Znâ€“air batteries. Journal of Materials Chemistry A, 2021, 9, 6831-6840.	5.2	59
4	2â€‰D Hybrid of Niâ€LDH Chips on Carbon Nanosheets as Cathode of Zincâ€“Air Battery for Electrocatalytic Conversion of O₂ into H₂O₂. ChemSusChem, 2020, 13, 1496-1503.	3.6	30
5	Cubic imidazolate frameworks-derived CoFe alloy nanoparticles-embedded N-doped graphitic carbon for discharging reaction of Zn-air battery. Science China Materials, 2020, 63, 327-338.	3.5	51
6	Boronâ€Induced Electronicâ€Structure Reformation of CoP Nanoparticles Drives Enhanced pHâ€Universal Hydrogen Evolution. Angewandte Chemie, 2020, 132, 4183-4189.	1.6	23
7	Boronâ€Induced Electronicâ€Structure Reformation of CoP Nanoparticles Drives Enhanced pHâ€Universal Hydrogen Evolution. Angewandte Chemie - International Edition, 2020, 59, 4154-4160.	7.2	221
8	Heterophase engineering of SnO2/Sn3O4 drives enhanced carbon dioxide electrocatalytic reduction to formic acid. Science China Materials, 2020, 63, 2314-2324.	3.5	36
9	A â€œcompetitive occupancyâ€•strategy toward Coâ€“N₄ single-atom catalysts embedded in 2D TiN/rGO sheets for highly efficient and stable aromatic nitroreduction. Journal of Materials Chemistry A, 2020, 8, 4807-4815.	5.2	19
10	Molybdenum Disulfide Nanosheets Aligned Vertically on Carbonized Silk Fabric as Smart Textile for Wearable Pressure-Sensing and Energy Devices. ACS Applied Materials & Interfaces, 2020, 12, 11825-11832.	4.0	67
11	Ideal design of air electrodeâ€”A step closer toward robust rechargeable Znâ€“air battery. APL Materials, 2020, 8, .	2.2	27
12	B,N-Doped Defective Carbon Entangled Fe₃C Nanoparticles as the Superior Oxygen Reduction Electrocatalyst for Znâ€“Air Batteries. ACS Sustainable Chemistry and Engineering, 2019, 7, 19104-19112.	3.2	48
13	Co Nanoislands Rooted on Coâ€“Nâ€“C Nanosheets as Efficient Oxygen Electrocatalyst for Znâ€“Air Batteries. Advanced Materials, 2019, 31, e1901666.	11.1	455
14	N-doped carbon-coated Co3O4 nanosheet array/carbon cloth for stable rechargeable Zn-air batteries. Science China Materials, 2019, 62, 624-632.	3.5	34
15	3D Network nanostructured NiCoP nanosheets supported on N-doped carbon coated Ni foam as a highly active bifunctional electrocatalyst for hydrogen and oxygen evolution reactions. Frontiers of Chemical Science and Engineering, 2018, 12, 417-424.	2.3	28
16	Ni₃S₂ Nanosheets in Situ Epitaxially Grown on Nanorods as High Active and Stable Homojunction Electrocatalyst for Hydrogen Evolution Reaction. ACS Sustainable Chemistry and Engineering, 2018, 6, 2474-2481.	3.2	72
17	A Review: Enhanced Anodes of Li/Na-Ion Batteries Based on Yolkâ€“Shell Structured Nanomaterials. Nano-Micro Letters, 2018, 10, 40.	14.4	92
18	Ferric phosphide carbon nanocomposites emerging as highly active electrocatalysts for the hydrogen evolution reaction. Dalton Transactions, 2018, 47, 16011-16018.	1.6	12

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19	A Stable Bifunctional Catalyst for Rechargeable Zincâ€“Air Batteries: Ironâ€“Cobalt Nanoparticles Embedded in a Nitrogenâ€Doped 3D Carbon Matrix. Angewandte Chemie - International Edition, 2018, 57, 16166-16170.	7.2	365
20	A Stable Bifunctional Catalyst for Rechargeable Zincâ€“Air Batteries: Ironâ€“Cobalt Nanoparticles Embedded in a Nitrogenâ€Doped 3D Carbon Matrix. Angewandte Chemie, 2018, 130, 16398-16402.	1.6	64
21	Highâ€Efficient, Stable Electrocatalytic Hydrogen Evolution in Acid Media by Amorphous Fe_xP Coating Fe₂N Supported on Reduced Graphene Oxide. Small, 2018, 14, e1801717.	5.2	72
22	Hierarchical porous NiCo₂O₄ nanosheet arrays directly grown on carbon cloth with superior lithium storage performance. Dalton Transactions, 2017, 46, 4717-4723.	1.6	32
23	Super-stable non-woven fabric-based membrane as a high-efficiency oil/water separator in full pH range. RSC Advances, 2017, 7, 19764-19770.	1.7	25
24	CoWO4 nanopaticles wrapped by RGO as high capacity anode material for lithium ion batteries. Rare Metals, 2017, 36, 411-417.	3.6	17
25	Urchin-like V₂O₃/C Hollow Nanosphere Hybrid for High-Capacity and Long-Cycle-Life Lithium Storage. ACS Sustainable Chemistry and Engineering, 2017, 5, 11238-11245.	3.2	39
26	Self-supported Ni6MnO8 3D mesoporous nanosheet arrays with ultrahigh lithium storage properties and conversion mechanism by in-situ XAFS. Nano Research, 2017, 10, 263-275.	5.8	23
27	Niâ€“Co Bimetallic Sulfide Coated with Reduced Graphene Oxide and Carbon for High-Capacitance Supercapacitor. Journal of Nanoscience and Nanotechnology, 2017, 17, 4091-4098.	0.9	5
28	Hydrothermal for Synthesis of CoO Nanoparticles/Graphene Composite as Li-ion Battery Anodes. Acta Chimica Sinica, 2017, 75, 231.	0.5	6
29	2D quasi-ordered nitrogen-enriched porous carbon nanohybrids for high energy density supercapacitors. Nanoscale, 2016, 8, 10166-10176.	2.8	34
30	Graphene-like nanocomposites anchored by Ni₃S₂ slices for Li-ion storage. RSC Advances, 2016, 6, 48083-48088.	1.7	23
31	Constructing B and N separately co-doped carbon nanocapsules-wrapped Fe/Fe₃C for oxygen reduction reaction with high current density. Physical Chemistry Chemical Physics, 2016, 18, 26572-26578.	1.3	12
32	Inâ€“situ Molten Salt Template Strategy for Hierarchical 3D Porous Carbon from Palm Shells as Advanced Electrochemical Supercapacitors. ChemistrySelect, 2016, 1, 2167-2173.	0.7	23
33	3â€‰D Interlayer Nanohybrids Composed of Sulfamicâ€Acidâ€Doped PEdot Grown on Expanded Graphite for Highâ€Performance Supercapacitors. ChemPlusChem, 2016, 81, 242-250.	1.3	10
34	A Platinumâ€“Vanadium Nitride/Porous Graphitic Nanocarbon Composite as an Excellent Catalyst for the Oxygen Reduction Reaction. ChemElectroChem, 2015, 2, 1813-1820.	1.7	14
35	Threeâ€Dimensional Fe₂N@C Microspheres Grown on Reduced Graphite Oxide for Lithiumâ€Ion Batteries and the Li Storage Mechanism. Chemistry - A European Journal, 2015, 21, 3249-3256.	1.7	42
36	In Situ Carbon-Coated Yolkâ€“Shell V₂O₃ Microspheres for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2015, 7, 1595-1601.	4.0	132

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37	From graphite to porous graphene-like nanosheets for high rate lithium-ion batteries. Nano Research, 2015, 8, 2998-3010.	5.8	76
38	A novel Fe₃C/graphitic carbon composite with electromagnetic wave absorption properties in the C-band. RSC Advances, 2015, 5, 60135-60140.	1.7	45
39	A chromium nitride/carbon nitride containing graphitic carbon nanocapsule hybrid as a Pt-free electrocatalyst for oxygen reduction. Chemical Communications, 2015, 51, 12399-12402.	2.2	46
40	Silica direct evaporation: a size-controlled approach to SiC/carbon nanosheet composites as Pt catalyst supports for superior methanol electrooxidation. Journal of Materials Chemistry A, 2015, 3, 24139-24147.	5.2	20
41	B and N isolate-doped graphitic carbon nanosheets from nitrogen-containing ion-exchanged resins for enhanced oxygen reduction. Scientific Reports, 2014, 4, 5184.	1.6	68
42	Ion-exchanged route synthesis of Fe2Nâ€“N-doped graphitic nanocarbons composite as advanced oxygen reduction electrocatalyst. Chemical Communications, 2013, 49, 3022.	2.2	116
43	Porous Graphitic Carbon Nanosheets Derived from Cornstalk Biomass for Advanced Supercapacitors. ChemSusChem, 2013, 6, 880-889.	3.6	257