Shaofang Fu

List of Publications by Year
in descending order

51 papers	6,401 citations	81900 39 h-index	189892 50 g-index
53 all docs	53 docs citations	53 times ranked	8756 citing authors

#	Article	IF	Citations
1	Singleâ€Atom Electrocatalysts. Angewandte Chemie - International Edition, 2017, 56, 13944-13960.	13.8	1,040
2	Highly efficient nonprecious metal catalysts towards oxygen reduction reaction based on three-dimensional porous carbon nanostructures. Chemical Society Reviews, 2016, 45, 517-531.	38.1	800
3	Hierarchically Porous Mâ€“Nâ€“C (M = Co and Fe) Singleâ€Atom Electrocatalysts with Robust MN_x Active Moieties Enable Enhanced ORR Performance. Advanced Energy Materials, 2018, 8, 1801956.	19.5	540
4	Bimetallic Cobaltâ€Based Phosphide Zeolitic Imidazolate Framework: CoP_x Phaseâ€Dependent Electrical Conductivity and Hydrogen Atom Adsorption Energy for Efficient Overall Water Splitting. Advanced Energy Materials, 2017, 7, 1601555.	19.5	340
5	Metalâ€Organic Frameworkâ€Derived Nonâ€Precious Metal Nanocatalysts for Oxygen Reduction Reaction. Advanced Energy Materials, 2017, 7, 1700363.	19.5	297
6	Selfâ€Assembled Feâ€“Nâ€Doped Carbon Nanotube Aerogels with Singleâ€Atom Catalyst Feature as Highâ€Efficiency Oxygen Reduction Electrocatalysts. Small, 2017, 13, 1603407.	10.0	254
7	Efficient Synthesis of MCu (M = Pd, Pt, and Au) Aerogels with Accelerated Gelation Kinetics and their High Electrocatalytic Activity. Advanced Materials, 2016, 28, 8779-8783.	21.0	213
8	Unprecedented peroxidase-mimicking activity of single-atom nanozyme with atomically dispersed Feâ€“Nx moieties hosted by MOF derived porous carbon. Biosensors and Bioelectronics, 2019, 142, 111495.	10.1	186
9	Facile One-Step Synthesis of Three-Dimensional Pdâ€“Ag Bimetallic Alloy Networks and Their Electrocatalytic Activity toward Ethanol Oxidation. ACS Applied Materials & Interfaces, 2015, 7, 13842-13848.	8.0	176
10	Facilely Tuning Porous NiCo₂O₄ Nanosheets with Metal Valenceâ€State Alteration and Abundant Oxygen Vacancies as Robust Electrocatalysts Towards Water Splitting. Chemistry - A European Journal, 2016, 22, 4000-4007.	3.3	172
11	Metalâ€“organic frameworks-based catalysts for electrochemical oxygen evolution. Materials Horizons, 2019, 6, 684-702.	12.2	149
12	Highly Ordered Mesoporous Bimetallic Phosphides as Efficient Oxygen Evolution Electrocatalysts. ACS Energy Letters, 2016, 1, 792-796.	17.4	139
13	Colorimetric and chemiluminescent dual-readout immunochromatographic assay for detection of pesticide residues utilizing g-C3N4/BiFeO3 nanocomposites. Biosensors and Bioelectronics, 2018, 106, 43-49.	10.1	124
14	Ultrafine and highly disordered Ni2Fe1 nanofoams enabled highly efficient oxygen evolution reaction in alkaline electrolyte. Nano Energy, 2018, 44, 319-326.	16.0	118
15	Porous Carbonâ€Hosted Atomically Dispersed Ironâ€“Nitrogen Moiety as Enhanced Electrocatalysts for Oxygen Reduction Reaction in a Wide Range of pH. Small, 2018, 14, e1703118.	10.0	117
16	One-pot synthesis of B-doped three-dimensional reduced graphene oxide via supercritical fluid for oxygen reduction reaction. Green Chemistry, 2015, 17, 3552-3560.	9.0	105
17	Einzelatomâ€Elektrokatalysatoren. Angewandte Chemie, 2017, 129, 14132-14148.	2.0	99
18	Ultrasonic-assisted synthesis of Pdâ€“Pt/carbon nanotubes nanocomposites for enhanced electro-oxidation of ethanol and methanol in alkaline medium. Ultrasonics Sonochemistry, 2016, 28, 192-198.	8.2	78

#	Article	IF	Citations
19	Fluorescent silicon nanoparticles-based ratiometric fluorescence immunoassay for sensitive detection of ethyl carbamate in red wine. Sensors and Actuators B: Chemical, 2018, 255, 2742-2749.	7.8	75
20	Optimization of cobalt/nitrogen embedded carbon nanotubes as an efficient bifunctional oxygen electrode for rechargeable zincâ€“air batteries. Journal of Materials Chemistry A, 2016, 4, 4864-4870.	10.3	72
21	One-pot bioinspired synthesis of all-inclusive proteinâ€“protein nanoflowers for point-of-care bioassay: detection of E. coli O157:H7 from milk. Nanoscale, 2016, 8, 18980-18986.	5.6	71
22	PdCuPt Nanocrystals with Multibranches for Enzyme-Free Glucose Detection. ACS Applied Materials & Interfaces, 2016, 8, 22196-22200.	8.0	68
23	Low Pt-content ternary PdCuPt nanodendrites: an efficient electrocatalyst for oxygen reduction reaction. Nanoscale, 2017, 9, 1279-1284.	5.6	66
24	Sugar Blowingâ€Induced Porous Cobalt Phosphide/Nitrogenâ€Doped Carbon Nanostructures with Enhanced Electrochemical Oxidation Performance toward Water and Other Small Molecules. Small, 2017, 13, 1700796.	10.0	65
25	Ultrasonic-assisted synthesis of carbon nanotube supported bimetallic Ptâ€“Ru nanoparticles for effective methanol oxidation. Journal of Materials Chemistry A, 2015, 3, 8459-8465.	10.3	63
26	Three-dimensional PtNi hollow nanochains as an enhanced electrocatalyst for the oxygen reduction reaction. Journal of Materials Chemistry A, 2016, 4, 8755-8761.	10.3	63
27	Multifunctional SnO2/3D graphene hybrid materials for sodium-ion and lithium-ion batteries with excellent rate capability and long cycle life. Nano Research, 2017, 10, 4398-4414.	10.4	63
28	A Facile Method for Synthesizing Dendritic Coreâ€“Shell Structured Ternary Metallic Aerogels and Their Enhanced Electrochemical Performances. Chemistry of Materials, 2016, 28, 7928-7934.	6.7	60
29	Enhanced Electrocatalytic Activities of PtCuCoNi Three-Dimensional Nanoporous Quaternary Alloys for Oxygen Reduction and Methanol Oxidation Reactions. ACS Applied Materials & Interfaces, 2016, 8, 6110-6116.	8.0	57
30	Highly branched PtCu bimetallic alloy nanodendrites with superior electrocatalytic activities for oxygen reduction reactions. Nanoscale, 2016, 8, 5076-5081.	5.6	55
31	One-Pot Fabrication of Mesoporous Coreâ€“Shell Au@PtNi Ternary Metallic Nanoparticles and Their Enhanced Efficiency for Oxygen Reduction Reaction. ACS Applied Materials & Interfaces, 2016, 8, 4739-4744.	8.0	54
32	Kinetically Controlled Synthesis of Pt-Based One-Dimensional Hierarchically Porous Nanostructures with Large Mesopores as Highly Efficient ORR Catalysts. ACS Applied Materials & Interfaces, 2016, 8, 35213-35218.	8.0	53
33	Nitrogen and Fluorineâ€Codoped Carbon Nanowire Aerogels as Metalâ€Free Electrocatalysts for Oxygen Reduction Reaction. Chemistry - A European Journal, 2017, 23, 10460-10464.	3.3	52
34	One-step synthesis of cobalt and nitrogen co-doped carbon nanotubes and their catalytic activity for the oxygen reduction reaction. Journal of Materials Chemistry A, 2015, 3, 12718-12722.	10.3	50
35	Metal-organic framework derived hierarchically porous nitrogen-doped carbon nanostructures as novel electrocatalyst for oxygen reduction reaction. Electrochimica Acta, 2015, 178, 287-293.	5.2	50
36	Coreâ€“shell PdPb@Pd aerogels with multiply-twinned intermetallic nanostructures: facile synthesis with accelerated gelation kinetics and their enhanced electrocatalytic properties. Journal of Materials Chemistry A, 2018, 6, 7517-7521.	10.3	49

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37	Two-Dimensional N,S-Codoped Carbon/Co₉S₈ Catalysts Derived from Co(OH)₂ Nanosheets for Oxygen Reduction Reaction. ACS Applied Materials & Interfaces, 2017, 9, 36755-36761.	8.0	45
38	Interconnected Fe, S, N-Codoped Hollow and Porous Carbon Nanorods as Efficient Electrocatalysts for the Oxygen Reduction Reaction. ACS Applied Materials & Interfaces, 2017, 9, 40298-40306.	8.0	44
39	Tubular titanium oxide/reduced graphene oxide-sulfur composite for improved performance of lithium sulfur batteries. Carbon, 2018, 128, 63-69.	10.3	43
40	One-step synthesis of carbon nanosheet-decorated carbon nanofibers as a 3D interconnected porous carbon scaffold for lithiumâ€“sulfur batteries. Journal of Materials Chemistry A, 2017, 5, 23737-23743.	10.3	36
41	Directed Liquid Phase Assembly of Highly Ordered Metallic Nanoparticle Arrays. ACS Applied Materials & Interfaces, 2014, 6, 5835-5843.	8.0	35
42	Template-directed synthesis of nitrogen- and sulfur-codoped carbon nanowire aerogels with enhanced electrocatalytic performance for oxygen reduction. Nano Research, 2017, 10, 1888-1895.	10.4	34
43	Three-dimensional Nitrogen-Doped Reduced Graphene Oxide/Carbon Nanotube Composite Catalysts for Vanadium Flow Batteries. Electroanalysis, 2017, 29, 1469-1473.	2.9	28
44	Enhanced electrocatalytic activities of three dimensional PtCu@Pt bimetallic alloy nanofoams for oxygen reduction reaction. Catalysis Science and Technology, 2016, 6, 5052-5059.	4.1	27
45	Tuning the structure and composition of graphite-phase polymeric carbon nitride/reduced graphene oxide composites towards enhanced lithium-sulfur batteries performance. Electrochimica Acta, 2017, 248, 541-546.	5.2	20
46	Ultrasonic enhanced synthesis of multi-walled carbon nanotube supported Ptâ€“Co bimetallic nanoparticles as catalysts for the oxygen reduction reaction. RSC Advances, 2015, 5, 32685-32689.	3.6	17
47	Electrochemically Controlled Ionâ€exchange Property of Carbon Nanotubes/Polypyrrole Nanocomposite in Various Electrolyte Solutions. Electroanalysis, 2017, 29, 929-936.	2.9	14
48	PtCu bimetallic alloy nanotubes with porous surface for oxygen reduction reaction. RSC Advances, 2016, 6, 69233-69238.	3.6	11
49	Enhancing Chemical Interaction of Polysulfide and Carbon through Synergetic Nitrogen and Phosphorus Doping. ACS Sustainable Chemistry and Engineering, 2020, 8, 806-813.	6.7	11
50	Water Splitting: Bimetallic Cobaltâ€Based Phosphide Zeolitic Imidazolate Framework: CoP_x Phaseâ€Dependent Electrical Conductivity and Hydrogen Atom Adsorption Energy for Efficient Overall Water Splitting (Adv. Energy Mater. 2/2017). Advanced Energy Materials, 2017, 7, .	19.5	1
51	Frontispiece: Facilely Tuning Porous NiCo₂O₄ Nanosheets with Metal Valenceâ€State Alteration and Abundant Oxygen Vacancies as Robust Electrocatalysts Towards Water Splitting. Chemistry - A European Journal, 2016, 22, .	3.3	0