

Qiurong Shi

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

6,303
citations

87888

38
h-index

175258

52
g-index

52
all docs

52
docs citations

52
times ranked

7722
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-Atom Electrocatalysts. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13944-13960.	13.8	1,040
2	Robust noble metal-based electrocatalysts for oxygen evolution reaction. <i>Chemical Society Reviews</i> , 2019, 48, 3181-3192.	38.1	756
3	Hierarchically Porous M-N-C (M = Co and Fe) Single-Atom Electrocatalysts with Robust MN Active Moieties Enable Enhanced ORR Performance. <i>Advanced Energy Materials</i> , 2018, 8, 1801956.	19.5	540
4	Highly quaternized polystyrene ionomers for high performance anion exchange membrane water electrolyzers. <i>Nature Energy</i> , 2020, 5, 378-385.	39.5	372
5	Single-Atom Catalysts for Electrochemical Water Splitting. <i>ACS Energy Letters</i> , 2018, 3, 1713-1721.	17.4	294
6	Self-Assembled Fe-Doped Carbon Nanotube Aerogels with Single-Atom Catalyst Feature as High-Efficiency Oxygen Reduction Electrocatalysts. <i>Small</i> , 2017, 13, 1603407.	10.0	254
7	Efficient Synthesis of M _{Cu} (M = Pd, Pt, and Au) Aerogels with Accelerated Gelation Kinetics and their High Electrocatalytic Activity. <i>Advanced Materials</i> , 2016, 28, 8779-8783.	21.0	213
8	Unprecedented peroxidase-mimicking activity of single-atom nanozyme with atomically dispersed Fe _{N_x} moieties hosted by MOF derived porous carbon. <i>Biosensors and Bioelectronics</i> , 2019, 142, 111495.	10.1	186
9	Metal-organic frameworks-based catalysts for electrochemical oxygen evolution. <i>Materials Horizons</i> , 2019, 6, 684-702.	12.2	149
10	Secondary-Atom-Assisted Synthesis of Single Iron Atoms Anchored on N-Doped Carbon Nanowires for Oxygen Reduction Reaction. <i>ACS Catalysis</i> , 2019, 9, 5929-5934.	11.2	149
11	Nanovoid Incorporated Ir _{Cu} Metallic Aerogels for Oxygen Evolution Reaction Catalysis. <i>ACS Energy Letters</i> , 2018, 3, 2038-2044.	17.4	129
12	Methanol tolerance of atomically dispersed single metal site catalysts: mechanistic understanding and high-performance direct methanol fuel cells. <i>Energy and Environmental Science</i> , 2020, 13, 3544-3555.	30.8	129
13	Chemical Vapor Deposition for Atomically Dispersed and Nitrogen Coordinated Single Metal Site Catalysts. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 21698-21705.	13.8	128
14	3D graphene-based hybrid materials: synthesis and applications in energy storage and conversion. <i>Nanoscale</i> , 2016, 8, 15414-15447.	5.6	127
15	Dynamically Unveiling Metal-Nitrogen Coordination during Thermal Activation to Design High-Efficient Atomically Dispersed CoN ₄ Active Sites. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 9516-9526.	13.8	119
16	Stabilizing Single-Atom Iron Electrocatalysts for Oxygen Reduction via Ceria Confining and Trapping. <i>ACS Catalysis</i> , 2020, 10, 2452-2458.	11.2	103
17	Einzelatom-Elektrokatalysatoren. <i>Angewandte Chemie</i> , 2017, 129, 14132-14148.	2.0	99
18	Au@Pd Nanopopcorn and Aptamer Nanoflower Assisted Lateral Flow Strip for Thermal Detection of Exosomes. <i>Analytical Chemistry</i> , 2019, 91, 13986-13993.	6.5	86

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19	Intermetallic Pd ₃ Pb nanowire networks boost ethanol oxidation and oxygen reduction reactions with significantly improved methanol tolerance. <i>Journal of Materials Chemistry A</i> , 2017, 5, 23952-23959.	10.3	78
20	Synthesis of open-mouthed, yolk-shell Au@AgPd nanoparticles with access to interior surfaces for enhanced electrocatalysis. <i>Chemical Science</i> , 2015, 6, 4350-4357.	7.4	77
21	Boosting the activity of Fe-Nx moieties in Fe-N-C electrocatalysts via phosphorus doping for oxygen reduction reaction. <i>Science China Materials</i> , 2020, 63, 965-971.	6.3	71
22	Supported and coordinated single metal site electrocatalysts. <i>Materials Today</i> , 2020, 37, 93-111.	14.2	71
23	Pt-Ni(OH) ₂ nanosheets amplified two-way lateral flow immunoassays with smartphone readout for quantification of pesticides. <i>Biosensors and Bioelectronics</i> , 2019, 142, 111498.	10.1	70
24	Mitochondrial-targeted multifunctional mesoporous Au@Pt nanoparticles for dual-mode photodynamic and photothermal therapy of cancers. <i>Nanoscale</i> , 2017, 9, 15813-15824.	5.6	67
25	Sugar Blowing-Induced Porous Cobalt Phosphide/Nitrogen-Doped Carbon Nanostructures with Enhanced Electrochemical Oxidation Performance toward Water and Other Small Molecules. <i>Small</i> , 2017, 13, 1700796.	10.0	65
26	Ultrasonic-assisted synthesis of carbon nanotube supported bimetallic Pt-Ru nanoparticles for effective methanol oxidation. <i>Journal of Materials Chemistry A</i> , 2015, 3, 8459-8465.	10.3	63
27	A Facile Method for Synthesizing Dendritic Core-Shell Structured Ternary Metallic Aerogels and Their Enhanced Electrochemical Performances. <i>Chemistry of Materials</i> , 2016, 28, 7928-7934.	6.7	60
28	Mesoporous Pt Nanotubes as a Novel Sensing Platform for Sensitive Detection of Intracellular Hydrogen Peroxide. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 24288-24295.	8.0	57
29	Highly branched PtCu bimetallic alloy nanodendrites with superior electrocatalytic activities for oxygen reduction reactions. <i>Nanoscale</i> , 2016, 8, 5076-5081.	5.6	55
30	One-Pot Fabrication of Mesoporous Core-Shell Au@PtNi Ternary Metallic Nanoparticles and Their Enhanced Efficiency for Oxygen Reduction Reaction. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 4739-4744.	8.0	54
31	Ultrathin dendritic IrTe nanotubes for an efficient oxygen evolution reaction in a wide pH range. <i>Journal of Materials Chemistry A</i> , 2018, 6, 8855-8859.	10.3	54
32	Ultrafine Pd ensembles anchored-Au ₂ Cu aerogels boost ethanol electrooxidation. <i>Nano Energy</i> , 2018, 53, 206-212.	16.0	54
33	Bioinspired Peptoid Nanotubes for Targeted Tumor Cell Imaging and Chemo-Photodynamic Therapy. <i>Small</i> , 2019, 15, e1902485.	10.0	51
34	Core-shell PdPb@Pd aerogels with multiply-twinned intermetallic nanostructures: facile synthesis with accelerated gelation kinetics and their enhanced electrocatalytic properties. <i>Journal of Materials Chemistry A</i> , 2018, 6, 7517-7521.	10.3	49
35	Catalytic Activity of Co-X (X = S, P, O) and Its Dependency on Nanostructure/Chemical Composition in Lithium-Sulfur Batteries. <i>ACS Applied Energy Materials</i> , 2018, 1, 7014-7021.	5.1	46
36	Highly uniform distribution of Pt nanoparticles on N-doped hollow carbon spheres with enhanced durability for oxygen reduction reaction. <i>RSC Advances</i> , 2017, 7, 6303-6308.	3.6	44

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37	Kinetically controlled synthesis of AuPt bi-metallic aerogels and their enhanced electrocatalytic performances. <i>Journal of Materials Chemistry A</i> , 2017, 5, 19626-19631.	10.3	44
38	Rapid and selective detection of Fe (III) by using a smartphone-based device as a portable detector and hydroxyl functionalized metal-organic frameworks as the fluorescence probe. <i>Analytica Chimica Acta</i> , 2019, 1077, 160-166.	5.4	40
39	One-step synthesis of carbon nanosheet-decorated carbon nanofibers as a 3D interconnected porous carbon scaffold for lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 23737-23743.	10.3	36
40	Highly Dispersed Platinum Atoms on the Surface of AuCu Metallic Aerogels for Enabling H_2O_2 Production. <i>ACS Applied Energy Materials</i> , 2019, 2, 7722-7727.	5.1	31
41	Enhanced electrocatalytic activities of three dimensional PtCu@Pt bimetallic alloy nanofoams for oxygen reduction reaction. <i>Catalysis Science and Technology</i> , 2016, 6, 5052-5059.	4.1	27
42	Electrically Switched Ion Exchange Based on Carbon-Polypyrrole Composite Smart Materials for the Removal of ReO_4^- from Aqueous Solutions. <i>Environmental Science & Technology</i> , 2019, 53, 2612-2617.	10.0	26
43	Assembling Carbon Pores into Carbon Sheets: Rational Design of Three-Dimensional Carbon Networks for a Lithium-Sulfur Battery. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 5911-5918.	8.0	24
44	Solving the activity-stability trade-off riddle. <i>Nature Catalysis</i> , 2021, 4, 6-7.	34.4	24
45	Dynamically Unveiling Metal-Nitrogen Coordination during Thermal Activation to Design Highly Efficient Atomically Dispersed CoN_4 Active Sites. <i>Angewandte Chemie</i> , 2021, 133, 9602-9612.	2.0	21
46	Eyeball-Like Yolk-Shell Bimetallic Nanoparticles for Synergistic Photodynamic-Photothermal Therapy. <i>ACS Applied Bio Materials</i> , 2020, 3, 5922-5929.	4.6	18
47	A MnO_x enhanced atomically dispersed iron-nitrogen-carbon catalyst for the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2022, 10, 5981-5989.	10.3	18
48	PtCu bimetallic alloy nanotubes with porous surface for oxygen reduction reaction. <i>RSC Advances</i> , 2016, 6, 69233-69238.	3.6	11
49	Chemical Vapor Deposition for Atomically Dispersed and Nitrogen Coordinated Single Metal Site Catalysts. <i>Angewandte Chemie</i> , 2020, 132, 21882-21889.	2.0	10
50	Au@PtPd enhanced immunoassay with 3D printed smartphone device for quantification of diaminochlorotriazine (DACT), the major atrazine biomarker. <i>Biosensors and Bioelectronics</i> , 2022, 208, 114190.	10.1	7
51	Bimetallic Ir-Pb nanowire networks with enhanced electrocatalytic activity for the oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2022, 10, 11196-11204.	10.3	6
52	Peptoid Nanotubes: Bioinspired Peptoid Nanotubes for Targeted Tumor Cell Imaging and Chemo-Photodynamic Therapy (<i>Small</i> 43/2019). <i>Small</i> , 2019, 15, 1970231.	10.0	1