

Shuangxi Xing

List of Publications by Year in descending order

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76
papers

2,961
citations

126708

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168136

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docs citations

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4448
citing authors

#	ARTICLE	IF	CITATIONS
1	Scalable Routes to Janus Au@SiO ₂ and Ternary Ag@Au@SiO ₂ Nanoparticles. <i>Chemistry of Materials</i> , 2010, 22, 3826-3828.	3.2	168
2	A systems approach towards the stoichiometry-controlled hetero-assembly of nanoparticles. <i>Nature Communications</i> , 2010, 1, 87.	5.8	152
3	Morphology and conductivity of polyaniline nanofibers prepared by "seeding" polymerization. <i>Polymer</i> , 2006, 47, 2305-2313.	1.8	127
4	One-step synthesis of composite vesicles: Direct polymerization and in situ over-oxidation of thiophene. <i>Chemical Science</i> , 2011, 2, 2109.	3.7	125
5	Reducing the Symmetry of Bimetallic Au@Ag Nanoparticles by Exploiting Eccentric Polymer Shells. <i>Journal of the American Chemical Society</i> , 2010, 132, 9537-9539.	6.6	121
6	Highly controlled core/shell structures: tunable conductive polymer shells on gold nanoparticles and nanochains. <i>Journal of Materials Chemistry</i> , 2009, 19, 3286.	6.7	118
7	Fabrication of Polymer Nanocavities with Tailored Openings. <i>ACS Nano</i> , 2009, 3, 3469-3474.	7.3	88
8	Design and construction of three-dimensional flower-like CuO hierarchical nanostructures on copper foam for high performance supercapacitor. <i>Electrochimica Acta</i> , 2016, 210, 639-645.	2.6	88
9	Cu ₂ O acting as a robust catalyst in CuAAC reactions: water is the required medium. <i>Green Chemistry</i> , 2011, 13, 562.	4.6	85
10	Synthesis and characterization of Ag/polyaniline core-shell nanocomposites based on silver nanoparticles colloid. <i>Materials Letters</i> , 2007, 61, 2794-2797.	1.3	83
11	Preparation of polyaniline nanofibers via a novel interfacial polymerization method. <i>Synthetic Metals</i> , 2008, 158, 59-63.	2.1	75
12	Synthesis and characterization of Ag/polypyrrole nanocomposites based on silver nanoparticles colloid. <i>Materials Letters</i> , 2007, 61, 4528-4530.	1.3	74
13	Designed Fabrication of Unique Eccentric Mesoporous Silica Nanocluster-Based Core-Shell Nanostructures for pH-Responsive Drug Delivery. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 7282-7290.	4.0	72
14	Facile fabrication of triple-layer (Au@Ag)@polypyrrole core-shell and (Au@H ₂ O)@polypyrrole yolk-shell nanostructures. <i>Chemical Communications</i> , 2009, , 1653.	2.2	70
15	Facile preparation and sulfidation analysis for activated multiporous carbon@NiCo ₂ S ₄ nanostructure with enhanced supercapacitive properties. <i>Electrochimica Acta</i> , 2016, 211, 627-635.	2.6	69
16	A facile route to achieve ultrafine Fe ₂ O ₃ nanorods anchored on graphene oxide for application in lithium-ion battery. <i>Journal of Power Sources</i> , 2019, 416, 118-124.	4.0	67
17	One-step synthesis of polypyrrole-Ag nanofiber composites in dilute mixed CTAB/SDS aqueous solution. <i>Materials Letters</i> , 2007, 61, 2040-2044.	1.3	66
18	Nickel foam based polypyrrole-Ag composite film: a new route toward stable electrodes for supercapacitors. <i>New Journal of Chemistry</i> , 2013, 37, 337-341.	1.4	59

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19	Depletion sphere: Explaining the number of Ag islands on Au nanoparticles. <i>Chemical Science</i> , 2017, 8, 430-436.	3.7	57
20	Triple-Shell (Au@Perylene)@Polyaniline Nanocomposite: Unconventional Growth of Faceted Organic Nanocrystals on Polycrystalline Au. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 9898-9902.	7.2	55
21	3D dendritic gold nanostructures: seeded growth of a multi-generation fractal architecture. <i>Chemical Communications</i> , 2010, 46, 7112.	2.2	51
22	ZIF-8 templated fabrication of rhombic dodecahedron-shaped ZnO@SiO ₂ , ZIF-8@SiO ₂ yolk-shell and SiO ₂ hollow nanoparticles. <i>CrystEngComm</i> , 2014, 16, 6534.	1.3	50
23	Enhancing the Catalytic Activity of Zeolitic Imidazolate Framework-Derived N-Doped Carbon with Incorporated CeO ₂ Nanoparticles in the Oxygen Reduction Reaction. <i>Chemistry - A European Journal</i> , 2017, 23, 10690-10697.	1.7	48
24	Morphology, structure, and conductivity of polypyrrole prepared in the presence of mixed surfactants in aqueous solutions. <i>Journal of Applied Polymer Science</i> , 2007, 104, 1987-1996.	1.3	47
25	In situ assembly of monodispersed Ag nanoparticles in the channels of ordered mesopolymers as a highly active and reusable hydrogenation catalyst. <i>Journal of Materials Chemistry A</i> , 2015, 3, 4307-4313.	5.2	46
26	Generalized Approach to the Synthesis of Reversible Concentric and Eccentric Polymer-Coated Nanostructures. <i>Small</i> , 2013, 9, 825-830.	5.2	43
27	Synthesis and characterization of polyaniline in CTAB/hexanol/water reversed micelle. <i>Journal of Materials Science</i> , 2005, 40, 215-218.	1.7	42
28	Facile route to achieve hierarchical hollow MnO ₂ nanostructures. <i>Electrochimica Acta</i> , 2016, 203, 59-65.	2.6	39
29	Probing the kinetics of ligand exchange on colloidal gold nanoparticles by surface-enhanced Raman scattering. <i>Dalton Transactions</i> , 2010, 39, 349-351.	1.6	38
30	Facile synthesis of nanostructured Ni(OH) ₂ on nickel foam and its electrochemical property. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 396, 292-298.	2.3	38
31	Preparation of Hollow CeO ₂ /CePO ₄ with Nitrogen and Phosphorus Co-Doped Carbon Shells for Enhanced Oxygen Reduction Reaction Catalytic Activity. <i>ChemElectroChem</i> , 2018, 5, 793-798.	1.7	37
32	Hydrothermal synthesis of calcium hydroxyapatite nanorods in the presence of PVP. <i>Journal of Materials Science</i> , 2009, 44, 6273-6279.	1.7	35
33	Facile synthesis of hollow urchin-like gold nanoparticles and their catalytic activity. <i>Gold Bulletin</i> , 2012, 45, 91-98.	1.1	33
34	A novel strategy to fabricate multifunctional Fe ₃ O ₄ @C@TiO ₂ yolk-shell structures as magnetically recyclable photocatalysts. <i>Nanoscale</i> , 2014, 6, 6603.	2.8	33
35	Urea-assisted enhanced electrocatalytic activity of MoS ₂ -Ni ₃ S ₂ for overall water splitting. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 3588-3597.	3.0	32
36	Examining the use of TiO ₂ to enhance the NH ₃ sensitivity of polypyrrole films. <i>Journal of Applied Polymer Science</i> , 2010, 118, 3351-3356.	1.3	28

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37	Morphology and thermostability of polypyrrole prepared from SDBS aqueous solution. <i>Polymer Bulletin</i> , 2006, 57, 933-943.	1.7	27
38	Hexamethylenetetramine-induced synthesis of hierarchical NiO nanostructures on nickel foam and their electrochemical properties. <i>Journal of Alloys and Compounds</i> , 2014, 603, 190-196.	2.8	27
39	Facile route to achieve silver@polyaniline nanofibers. <i>Synthetic Metals</i> , 2012, 162, 948-952.	2.1	23
40	Facile route to achieve N, S-codoped carbon as bifunctional electrocatalyst for oxygen reduction and evolution reactions. <i>Journal of Alloys and Compounds</i> , 2020, 821, 153484.	2.8	23
41	One-pot synthesis of nickel oxide-carbon composite microspheres on nickel foam for supercapacitors. <i>Journal of Materials Science</i> , 2012, 47, 2182-2187.	1.7	22
42	A novel high-performance electrode: in-situ growth of copper sulfide film on copper foil for the application of supercapacitor. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 4185-4192.	1.1	22
43	Facile route to achieve bifunctional electrocatalysts for oxygen reduction and evolution reactions derived from CeO ₂ encapsulated by the zeolitic imidazolate framework-67. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 3255-3263.	3.0	22
44	Achieving MnO ₂ Nanosheets through Surface Redox Reaction on Nickel Nanochains for Catalysis and Energy Storage. <i>Chemistry - A European Journal</i> , 2017, 23, 5557-5564.	1.7	21
45	Direct synthesis of PbS/polypyrrole core-shell nanocomposites based on octahedral PbS nanocrystals colloid. <i>Materials Letters</i> , 2008, 62, 41-43.	1.3	20
46	Achieving Janus Ag@N-doped carbon for oxygen reduction reaction from eccentric encapsulated Ag@polypyrrole. <i>Journal of Alloys and Compounds</i> , 2019, 785, 491-498.	2.8	20
47	Architecture-adapted raspberry-like gold@polyaniline particles: facile synthesis and catalytic activity. <i>Colloid and Polymer Science</i> , 2012, 290, 1759-1764.	1.0	17
48	Preparation of polyaniline-polypyrrole composite sub-micro fibers via interfacial polymerization. <i>Polymer Composites</i> , 2008, 29, 22-26.	2.3	15
49	Anchoring gold nanoparticles inside polyaniline shells with magnetic cores for the enhancement of catalytic stability. <i>New Journal of Chemistry</i> , 2015, 39, 8588-8593.	1.4	15
50	Facile Fabrication of Well-Dispersed Pt Nanoparticles in Mesoporous Silica with Large Open Spaces and Their Catalytic Applications. <i>Chemistry - A European Journal</i> , 2016, 22, 9293-9298.	1.7	15
51	Confined polyaniline derived mesoporous carbon for oxygen reduction reaction. <i>European Polymer Journal</i> , 2017, 88, 1-8.	2.6	14
52	Controllable silver embedding into polypyrrole. <i>Journal of Alloys and Compounds</i> , 2017, 709, 431-437.	2.8	14
53	Dual Role of Polyaniline for Achieving Ag Dendrites and Enhancing Its Oxygen Reduction Reaction Catalytic Activity. <i>ChemistrySelect</i> , 2017, 2, 10300-10303.	0.7	14
54	CeO ₂ Encapsulated by Iron, Sulfur, and Nitrogen-Doped Carbons for Enhanced Oxygen Reduction Reaction Catalytic Activity. <i>ChemElectroChem</i> , 2020, 7, 642-648.	1.7	14

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55	Achieving nitrogen-doped carbon/MnO ₂ nanocomposites for catalyzing the oxygen reduction reaction. Dalton Transactions, 2019, 48, 3045-3051.	1.6	13
56	A multi-shelled CeO ₂ /Co@N-doped hollow carbon microsphere as a trifunctional electrocatalyst for a rechargeable zinc-air battery and overall water splitting. Sustainable Energy and Fuels, 2020, 4, 5156-5164.	2.5	12
57	One-pot achieving well-dispersed copper nanoparticles on N-doped carbon films. Journal of Alloys and Compounds, 2016, 656, 622-627.	2.8	11
58	A symmetry-adapted shell transformation of core-shell nanoparticles for binary nanoassembly. Chemical Communications, 2011, 47, 12533.	2.2	10
59	Toward modulation of the naphthopyran photochromism: a miniemulsion copolymerization strategy. New Journal of Chemistry, 2014, 38, 2348.	1.4	10
60	Facile Route to Achieve Co@Mo ₂ C Encapsulated by N-Doped Carbon as Efficient Electrocatalyst for Overall Water Splitting in Alkaline Media. Journal of the Electrochemical Society, 2020, 167, 044520.	1.3	10
61	Molybdenum and Phosphorous Dual-Doped, Transition-Metal-Based, Free-Standing Electrode for Overall Water Splitting. ChemElectroChem, 2021, 8, 1612-1620.	1.7	10
62	Manipulation on ZnO heterostructures: from binary ZnO-Ag to ternary ZnO-Ag-polypyrrole. CrystEngComm, 2014, 16, 10943-10948.	1.3	9
63	Mo _{0.42} C _{0.58} Nanoparticles Embedded in Nitrogen-Doped Carbon as Electrocatalyst towards Oxygen Reduction Reaction. ChemistrySelect, 2018, 3, 5106-5112.	0.7	9
64	One-pot achievement of MnO ₂ /Fe ₂ O ₃ nanocomposites for the oxygen reduction reaction with enhanced catalytic activity. New Journal of Chemistry, 2019, 43, 16870-16875.	1.4	8
65	Urea-induced Direct Synthesis of Nanostructured Ni(OH) ₂ on Nickel Foam. Chemistry Letters, 2011, 40, 1376-1377.	0.7	7
66	Manipulating the nickel shape and catalytic performance: from spheres to chains to urchins. CrystEngComm, 2015, 17, 4343-4348.	1.3	7
67	Confining the polymerization of aniline to generate yolk-shell polyaniline@SiO ₂ nanostructures. RSC Advances, 2015, 5, 79172-79177.	1.7	7
68	Facile route to achieve MoSe ₂ -Ni ₃ Se ₂ on nickel foam as efficient dual functional electrocatalysts for overall water splitting. Frontiers in Energy, 2022, 16, 483-491.	1.2	6
69	Facile synthesis of raspberry-like aniline oligomers with excellent adsorption-desorption properties. New Journal of Chemistry, 2014, 38, 3029-3034.	1.4	5
70	One-step synthesis of hollow nanostructured aniline oligomers and their derived nitrogen doped carbon. Synthetic Metals, 2017, 227, 170-176.	2.1	4
71	Stability and particle size of polypyrrole dispersion using sodium dodecylbenzenesulfonate as surfactant. E-Polymers, 2007, 7, .	1.3	3
72	Cu/Co/CoS ₂ embedded in S,N-doped carbon as highly efficient oxygen reduction and evolution electrocatalyst for rechargeable zinc-air batteries. Inorganic Chemistry Frontiers, 2022, 9, 2917-2927.	3.0	3

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73	Interface Engineering of CoO/N-Doped Carbon Nanomaterials as a Bifunctional Electrocatalyst for Rechargeable Zinc-Air Batteries. <i>Journal of the Electrochemical Society</i> , 2022, 169, 060537.	1.3	2
74	Preparation of polyaniline nanofibers using the organic solution of aniline as seed. <i>E-Polymers</i> , 2008, 8, .	1.3	1
75	Design and fabrication of gas sensing hollow core waveguides in near infrared. <i>Optics Communications</i> , 2012, 285, 621-624.	1.0	1
76	Facile Route to Synthesize Cu, S, N-Doped Carbon as Highly Efficient and Durable Electrocatalyst Towards Oxygen Reduction Reaction. <i>Catalysis Letters</i> , 0, , 1.	1.4	1