

Xiulan Hu

List of Publications by Year in descending order

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75
papers

1,386
citations

304368

22
h-index

414034

32
g-index

75
all docs

75
docs citations

75
times ranked

1808
citing authors

#	ARTICLE	IF	CITATIONS
1	Facile fabrication of PtAu alloy clusters using solution plasma sputtering and their electrocatalytic activity. <i>Journal of Alloys and Compounds</i> , 2013, 552, 351-355.	2.8	60
2	Facile Fabrication of Platinum-Cobalt Alloy Nanoparticles with Enhanced Electrocatalytic Activity for a Methanol Oxidation Reaction. <i>Scientific Reports</i> , 2017, 7, 45555.	1.6	56
3	Rapid Synthesis and Structural Characterization of Well-Defined Gold Clusters by <i>Solution Plasma Sputtering</i> . <i>Crystal Growth and Design</i> , 2012, 12, 119-123.	1.4	50
4	Micropatterning of ZnO Nanoarrays by Forced Hydrolysis of Anhydrous Zinc Acetate. <i>Langmuir</i> , 2008, 24, 7614-7617.	1.6	49
5	Blanket-like Co(OH) ₂ /CoOOH/Co ₃ O ₄ /Cu(OH) ₂ composites on Cu foam for hybrid supercapacitor. <i>Electrochimica Acta</i> , 2020, 334, 135559.	2.6	49
6	Copper/cobalt-doped LaMnO ₃ perovskite oxide as a bifunctional catalyst for rechargeable Li-O ₂ batteries. <i>Journal of Alloys and Compounds</i> , 2019, 801, 19-26.	2.8	48
7	Plasma-Induced Synthesis of CuO Nanofibers and ZnO Nanoflowers in Water. <i>Plasma Chemistry and Plasma Processing</i> , 2014, 34, 1129-1139.	1.1	47
8	Plasma-induced synthesis of Pt nanoparticles supported on TiO ₂ nanotubes for enhanced methanol electro-oxidation. <i>Applied Surface Science</i> , 2017, 399, 403-410.	3.1	47
9	Hydration of β -dicalcium silicate at high temperatures under hydrothermal conditions. <i>Cement and Concrete Research</i> , 2006, 36, 810-816.	4.6	46
10	Dissolution-Recrystallization Induced Hierarchical Structure in ZnO: Bunched Roselike and Core-Shell-like Particles. <i>Crystal Growth and Design</i> , 2010, 10, 626-631.	1.4	42
11	Three-dimensional self-supported CuCo ₂ O ₄ nanowires@NiO nanosheets core/shell arrays as an oxygen electrode catalyst for Li-O ₂ batteries. <i>Journal of Materials Chemistry A</i> , 2021, 9, 3007-3017.	5.2	33
12	Controllable hydrothermal synthesis of BiOCl nanoplates with high exposed {001} facets. <i>Materials Science in Semiconductor Processing</i> , 2016, 41, 12-16.	1.9	30
13	Solution plasma synthesis of Pt/ZnO/KB for photo-assisted electro-oxidation of methanol. <i>Journal of Alloys and Compounds</i> , 2017, 692, 848-854.	2.8	30
14	Removal of Tar Model Compounds Produced from Biomass Gasification Using Activated Carbons. <i>Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy</i> , 2007, 86, 707-711.	0.2	29
15	Novel synthesis of PtPd nanoparticles with good electrocatalytic activity and durability. <i>Journal of Alloys and Compounds</i> , 2017, 709, 588-595.	2.8	29
16	Stability and Phase Relations of Dicalcium Silicate Hydrates under Hydrothermal Conditions. <i>Journal of the Ceramic Society of Japan</i> , 2006, 114, 174-179.	1.3	28
17	One-step facile synthesis of carbon-supported PdAu nanoparticles and their electrochemical property and stability. <i>Journal of Alloys and Compounds</i> , 2015, 619, 452-457.	2.8	27
18	Electrochemical transformation method for the preparation of novel 3D hybrid porous CoOOH/Co(OH) ₂ composites with excellent pseudocapacitance performance. <i>Journal of Power Sources</i> , 2019, 443, 227278.	4.0	27

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19	A Cu ₂ O/Cu/carbon cloth as a binder-free electrode for non-enzymatic glucose sensors with high performance. <i>New Journal of Chemistry</i> , 2020, 44, 1993-2000.	1.4	27
20	Simple Synthesis of Platinum Nanoparticles by Plasma Sputtering in Water. <i>Japanese Journal of Applied Physics</i> , 2013, 52, 01AN05.	0.8	26
21	In-situ one-step synthesis of carbon-encapsulated naked magnetic metal nanoparticles conducted without additional reductants and agents. <i>Scientific Reports</i> , 2016, 6, 38652.	1.6	24
22	A facile template-free route to synthesize porous ZnO nanosheets with high surface area. <i>Journal of Alloys and Compounds</i> , 2013, 580, 373-376.	2.8	22
23	One-step facile synthesis of Pd nanoclusters supported on carbon and their electrochemical property. <i>Progress in Natural Science: Materials International</i> , 2014, 24, 593-598.	1.8	22
24	Low-Temperature Liquid Phase Synthesis of Flower-like NiCo ₂ O ₄ for High-Efficiency Methanol Electro-oxidation. <i>ACS Applied Energy Materials</i> , 2020, 3, 9076-9082.	2.5	22
25	Tuning MnCo ₂ O ₄ nanowire arrays on carbon cloth as an efficient cathode catalyst for Li-O ₂ batteries. <i>Electrochimica Acta</i> , 2020, 353, 136572.	2.6	22
26	In situ forced hydrolysis-assisted fabrication and photo-induced electrical property in sensor of ZnO nanoarrays. <i>Journal of Colloid and Interface Science</i> , 2008, 325, 459-463.	5.0	21
27	Fabrication of Zn(OH) ₂ /ZnO Nanosheet-ZnO Nanoarray Hybrid Structured Films by a Dissolution-Recrystallization Route. <i>Journal of the American Ceramic Society</i> , 2010, 93, 881-886.	1.9	20
28	Solution plasma method for the preparation of Cu-Ni/CuO-NiO with excellent methanol electrocatalytic oxidation performance. <i>Applied Surface Science</i> , 2020, 513, 145808.	3.1	20
29	Direct synthesis of ACo ₂ O ₄ (A= Ni, Cu, Fe, Zn) nanowires on carbon cloth as an oxygen electrode catalyst for rechargeable lithium-oxygen batteries. <i>Applied Surface Science</i> , 2020, 529, 147064.	3.1	19
30	Polyethylenimine-Guided Self-Twin Zinc Oxide Nanoarray Assemblies. <i>Crystal Growth and Design</i> , 2009, 9, 3598-3602.	1.4	18
31	Controllable hydrothermal-assisted synthesis of mesoporous Co ₃ O ₄ nanosheets. <i>RSC Advances</i> , 2015, 5, 99899-99906.	1.7	18
32	Insights into BiOCl with tunable nanostructures and their photocatalytic and electrochemical activities. <i>Journal of Materials Science</i> , 2016, 51, 4342-4348.	1.7	17
33	Hybrid Sn-Co binary oxide nanosheets grown on carbon paper as the supercapacitor electrode materials. <i>Journal of Alloys and Compounds</i> , 2020, 814, 152199.	2.8	17
34	Fabrication of Blanket-Like Assembled ZnO Nanowhiskers Using an Aqueous Solution. <i>Journal of the American Ceramic Society</i> , 2009, 92, 922-926.	1.9	16
35	Simple synthesized Pt/GNs/TiO ₂ with good mass activity and stability for methanol oxidation. <i>Nanotechnology</i> , 2017, 28, 505603.	1.3	15
36	Facile synthesis of PtPd/SnO ₂ nanocatalysts with good photo-electrocatalytic property. <i>Applied Surface Science</i> , 2019, 471, 263-272.	3.1	15

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37	High mass loading Ni ₄ Co ₁ -OH@CuO core-shell nanowire arrays obtained by electrochemical reconstruction for alkaline energy storage. <i>Nano Research</i> , 2022, 15, 685-693.	5.8	15
38	Low-temperature fabrication of ZnO nanoarray films by forced hydrolysis of anhydrous zinc acetate layer. <i>Journal of Crystal Growth</i> , 2009, 311, 597-600.	0.7	14
39	Controllable synthesis and characterization of Γ -MnO ₂ nanowires. <i>Journal of Crystal Growth</i> , 2016, 434, 7-12.	0.7	14
40	Peanut shaped MnCo ₂ O ₄ winded by multi-walled carbon nanotubes as an efficient cathode catalyst for Li-O ₂ batteries. <i>Journal of Alloys and Compounds</i> , 2018, 749, 433-440.	2.8	14
41	Synthesis of highly conductive and transparent ZnO nanowhisiker films using aqueous solution. <i>Journal of the Ceramic Society of Japan</i> , 2008, 116, 384-388.	0.5	13
42	Low-temperature fabrication of porous and transparent ZnO films with hybrid structure by self-hydrolysis method. <i>Thin Solid Films</i> , 2009, 518, 638-641.	0.8	13
43	Effects of polyethylenimine on morphology and property of ZnO films grown in aqueous solutions. <i>Applied Surface Science</i> , 2009, 255, 6823-6826.	3.1	13
44	Facile synthesis of Pt nanoparticles supported on anatase TiO ₂ nanotubes with good photo-electrocatalysis performance for methanol. <i>RSC Advances</i> , 2017, 7, 56194-56203.	1.7	13
45	Novel synthesis of CuO nanofiber balls and films and their UV-visible light filtration property. <i>Ceramics International</i> , 2016, 42, 8505-8512.	2.3	12
46	Synthesis and photocatalytic activity of Pt-ZnO hybrid nanocomposite by solution plasma technology. <i>Nanotechnology</i> , 2017, 28, 045604.	1.3	12
47	Control of crystal growth for ZnO nanowhisiker films in aqueous solution. <i>Thin Solid Films</i> , 2009, 518, 906-910.	0.8	11
48	The simple-preparation of Cu-Ni/Cu-NiO using solution plasma for application in a glucose enzyme-free sensor. <i>New Journal of Chemistry</i> , 2020, 44, 10806-10812.	1.4	11
49	Semi-circular shaped ZnO nanowhisikers assemblies deposited using an aqueous solution. <i>Applied Surface Science</i> , 2008, 255, 2329-2332.	3.1	10
50	Fabrication of a three-dimensional interconnected mesoporous MnCo ₂ O ₄ for rechargeable Li-O ₂ batteries. <i>Journal of Alloys and Compounds</i> , 2020, 817, 152736.	2.8	10
51	Facilely synthesized honeycomb-like NiCo ₂ O ₄ nanoflakes with an increased content of oxygen vacancies as an efficient cathode catalyst for Li-O ₂ batteries. <i>Journal of Alloys and Compounds</i> , 2022, 898, 162774.	2.8	10
52	Facile electrodeposition of MFe ₂ O ₄ (M=Co, Fe) on carbon cloth as air cathodes for Li-O ₂ batteries. <i>Ceramics International</i> , 2019, 45, 13401-13408.	2.3	9
53	Solution plasma method assisted with MOF for the synthesis of Pt@CoO _x @N-C composite catalysts with enhanced methanol oxidation performance. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 39743-39753.	3.8	9
54	Fabrication of ZnO nanowhisikers array film by forced-hydrolysis-initiated-nucleation technique using various templates. <i>Thin Solid Films</i> , 2009, 518, 621-624.	0.8	8

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55	Fabrication of a composite of platinum, N-g-C ₃ N ₄ and Ketjen Black for photo-electrochemical methanol oxidation. <i>Journal of Materials Science</i> , 2017, 52, 8444-8454.	1.7	8
56	Fabrication of carbon cloth supporting MnO _x and its application in Li-O ₂ batteries. <i>Nanotechnology</i> , 2020, 31, 165709.	1.3	8
57	Fe ₂ O ₃ nanorods decorated with ultrafine CeO ₂ as binder-free cathode to improve the performance of Li-O ₂ batteries. <i>Electrochimica Acta</i> , 2021, 368, 137645.	2.6	8
58	Selectively dissolution-recrystallization of ZnO crystals at the air-liquid interface. <i>Journal of Crystal Growth</i> , 2009, 311, 482-485.	0.7	7
59	Low-Temperature Fabrication of Bunch-Shaped ZnO Nanowires Using a Sodium Hydroxide Aqueous Solution. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 10935-10939.	0.9	7
60	Synthesis of Fe-doped NiO nanosheets on carbon cloth for improved catalytic performance in Li-O ₂ batteries. <i>New Journal of Chemistry</i> , 2022, 46, 1601-1607.	1.4	7
61	Polyethylenimine-assisted synthesis of transparent ZnO nanowhiskers at ambient temperatures. <i>Thin Solid Films</i> , 2014, 558, 134-139.	0.8	6
62	Synthesis of SnO ₂ nanoparticles using a solution plasma and their gas-sensing properties. <i>Japanese Journal of Applied Physics</i> , 2016, 55, 01AE17.	0.8	6
63	Controllable Low-Temperature Hydrothermal Synthesis and Gas-Sensing Investigation of Crystalline SnO ₂ Nanoparticles. <i>Journal of Materials Engineering and Performance</i> , 2016, 25, 1342-1346.	1.2	6
64	Rapid Low-Temperature Synthesis of Porous ZnO Nanoparticle Film by Self-Hydrolysis Technique. <i>Key Engineering Materials</i> , 0, 445, 123-126.	0.4	5
65	Solution plasma method direct synthesis of Au/CuO nanoparticles for glucose enzyme-free detection. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 12983-12990.	1.1	5
66	High mass loading NiCo(OH) nanothorns coated CuO nanowire arrays for high-capacity nickel-zinc battery. <i>Nanotechnology</i> , 2021, 32, 505404.	1.3	4
67	Boosting activity of Ni(OH) ₂ toward alkaline energy storage by Co and Mn co-substitution. <i>Journal of Alloys and Compounds</i> , 2022, 908, 164704.	2.8	4
68	Control of Crystal Growth of ZnO Nanowhiskers in Aqueous Solution and Synthesis of Transparent Nanoarrays. <i>Funtai Oyobi Fummatu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2007, 54, 834-838.	0.1	2
69	High surface area for La _{1-x} Sr _x FeO ₃ (x=0, 0.4, 0.6) as bifunctional catalyst for rechargeable Li-O ₂ batteries. <i>Nanotechnology</i> , 2020, 31, 435407.	1.3	2
70	Influence of Growth Conditions on the Morphology of Zinc Oxide Nanoarrays. <i>Transactions of the Materials Research Society of Japan</i> , 2008, 33, 709-712.	0.2	1
71	Systematic Study of Effective Hydrothermal Synthesis to Fabricate Nb-Incorporated TiO ₂ for Oxygen Reduction Reaction. <i>Materials</i> , 2022, 15, 1633.	1.3	1
72	Low-Temperature Fabrication of Semi-Circular Shaped ZnO Nanowhiskers Using an Aqueous Solution. <i>Funtai Oyobi Fummatu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2007, 54, 849-853.	0.1	0

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73	Low-temperature fabrication of bunch-shaped ZnO nanowires using an sodium hydroxide aqueous solution. , 2010, , .		0
74	Characterization of Optical- and N ₂ Adsorption Properties of Self-Twin Zinc Oxide Nanoarrays Assemblies. Materials Focus, 2013, 2, 20-23.	0.4	0
75	Remarkable enhancement in the electrochemical properties of cosmetic brush-like Co ₃ O ₄ nanowires via <i>in situ</i> surface modification with Ni ²⁺ . Nanotechnology, 2020, 31, 365405.	1.3	0