

Caixia Xu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5347541/publications.pdf>

Version: 2024-02-01

76
papers

4,989
citations

94433

37
h-index

88630

70
g-index

78
all docs

78
docs citations

78
times ranked

6123
citing authors

#	ARTICLE	IF	CITATIONS
1	Low Temperature CO Oxidation over Unsupported Nanoporous Gold. <i>Journal of the American Chemical Society</i> , 2007, 129, 42-43.	13.7	586
2	Nanoporous Metals by Dealloying Multicomponent Metallic Glasses. <i>Chemistry of Materials</i> , 2008, 20, 4548-4550.	6.7	272
3	A highly sensitive and stable electrochemical sensor for simultaneous detection towards ascorbic acid, dopamine, and uric acid based on the hierarchical nanoporous PtTi alloy. <i>Biosensors and Bioelectronics</i> , 2016, 82, 119-126.	10.1	242
4	Dealloying to nanoporous Au/Pt alloys and their structure sensitive electrocatalytic properties. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 239-246.	2.8	200
5	Biocompatibility and osteogenesis of biomimetic Bioglass-Collagen-Phosphatidylserine composite scaffolds for bone tissue engineering. <i>Biomaterials</i> , 2011, 32, 1051-1058.	11.4	184
6	Nanoporous surface alloys as highly active and durable oxygen reduction reaction electrocatalysts. <i>Energy and Environmental Science</i> , 2012, 5, 5281-5286.	30.8	161
7	Aerobic Oxidation of α -Glucose on Support-Free Nanoporous Gold. <i>Journal of Physical Chemistry C</i> , 2008, 112, 9673-9678.	3.1	159
8	Adsorption of Laccase on the Surface of Nanoporous Gold and the Direct Electron Transfer between Them. <i>Journal of Physical Chemistry C</i> , 2008, 112, 14781-14785.	3.1	133
9	Nanoporous PtRu Alloys for Electrocatalysis. <i>Langmuir</i> , 2010, 26, 7437-7443.	3.5	125
10	Nanoporous PtAg and PtCu alloys with hollow ligaments for enhanced electrocatalysis and glucose biosensing. <i>Biosensors and Bioelectronics</i> , 2011, 27, 160-166.	10.1	125
11	Facile preparation of Mn_3O_4 octahedra and their long-term cycle life as an anode material for Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2014, 2, 87-93.	10.3	123
12	A general corrosion route to nanostructured metal oxides. <i>Nanoscale</i> , 2010, 2, 906.	5.6	108
13	Fabrication of nanoporous Cu@Pt(Pd) core/shell structure by galvanic replacement and its application in electrocatalysis. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 4626-4632.	8.0	107
14	Template-free Synthesis of Single-Crystalline-like CeO_2 Hollow Nanocubes. <i>Crystal Growth and Design</i> , 2008, 8, 4449-4453.	3.0	105
15	Nanoporous PtRu Alloy Enhanced Nonenzymatic Immunosensor for Ultrasensitive Detection of Microcystin-LR. <i>Advanced Functional Materials</i> , 2011, 21, 4193-4198.	14.9	103
16	Nanoporous PdNi alloys as highly active and methanol-tolerant electrocatalysts towards oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2013, 1, 13542.	10.3	101
17	Hierarchical Nanoporous PtFe Alloy with Multimodal Size Distributions and Its Catalytic Performance toward Methanol Electrooxidation. <i>Langmuir</i> , 2012, 28, 1886-1892.	3.5	96
18	Si/Ag composite with bimodal micro-nano porous structure as a high-performance anode for Li-ion batteries. <i>Nanoscale</i> , 2015, 7, 5320-5327.	5.6	82

#	ARTICLE	IF	CITATIONS
19	A three-dimensional multilevel nanoporous NiCoO ₂ /Ni hybrid for highly reversible electrochemical energy storage. <i>Journal of Materials Chemistry A</i> , 2019, 7, 16222-16230.	10.3	77
20	Facile fabrication of nanoporous PdFe alloy for nonenzymatic electrochemical sensing of hydrogen peroxide and glucose. <i>Analytica Chimica Acta</i> , 2014, 832, 34-43.	5.4	75
21	Facile fabrication of a nanoporous Si/Cu composite and its application as a high-performance anode in lithium-ion batteries. <i>Nano Research</i> , 2016, 9, 908-916.	10.4	75
22	Dealloying to Nanoporous Silver and Its Implementation as a Template Material for Construction of Nanotubular Mesoporous Bimetallic Nanostructures. <i>ChemPhysChem</i> , 2010, 11, 3320-3328.	2.1	73
23	Nanoporous platinum-cobalt alloy for electrochemical sensing for ethanol, hydrogen peroxide, and glucose. <i>Analytica Chimica Acta</i> , 2013, 780, 20-27.	5.4	73
24	Nanoporous PdPt alloy as a highly active electrocatalyst for formic acid oxidation. <i>Journal of Materials Chemistry A</i> , 2014, 2, 8875.	10.3	70
25	Hierarchical nanoporous PtTi alloy as highly active and durable electrocatalyst toward oxygen reduction reaction. <i>Journal of Power Sources</i> , 2015, 280, 483-490.	7.8	65
26	Composited Co ₃ O ₄ /Ag with flower-like nanosheets anchored on a porous substrate as a high-performance anode for Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 15944-15950.	10.3	63
27	Nanoporous PdCu alloy as an excellent electrochemical sensor for H ₂ O ₂ and glucose detection. <i>Journal of Colloid and Interface Science</i> , 2017, 491, 321-328.	9.4	58
28	Hierarchical nanoporous platinum-copper alloy for simultaneous electrochemical determination of ascorbic acid, dopamine, and uric acid. <i>Mikrochimica Acta</i> , 2015, 182, 1345-1352.	5.0	50
29	Free-standing trimodal porous NiZn intermetallic and Ni heterojunction as highly efficient hydrogen evolution electrocatalyst in the alkaline electrolyte. <i>Nano Energy</i> , 2021, 89, 106402.	16.0	48
30	A nanoporous palladium-nickel alloy with high sensing performance towards hydrogen peroxide and glucose. <i>Journal of Colloid and Interface Science</i> , 2015, 447, 50-57.	9.4	46
31	Porous Co ₃ O ₄ /CuO Composite Assembled from Nanosheets as High-Performance Anodes for Lithium-Ion Batteries. <i>ChemSusChem</i> , 2015, 8, 1435-1441.	6.8	46
32	TiO ₂ particles wrapped onto macroporous germanium skeleton as high performance anode for lithium-ion batteries. <i>Chemical Engineering Journal</i> , 2020, 381, 122649.	12.7	46
33	Nanoporous Ru as highly efficient catalyst for hydrolysis of ammonia borane. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 12714-12721.	7.1	45
34	Highly sensitive microfluidic paper-based photoelectrochemical sensing platform based on reversible photo-oxidation products and morphology-preferable multi-plate ZnO nanoflowers. <i>Biosensors and Bioelectronics</i> , 2018, 110, 58-64.	10.1	43
35	Nonenzymatic immunosensor for detection of carbohydrate antigen 15-3 based on hierarchical nanoporous PtFe alloy. <i>Biosensors and Bioelectronics</i> , 2014, 56, 295-299.	10.1	41
36	An In-Situ Dealloying and Oxidation Route to Co ₃ O ₄ Nanosheets and their Ambient-Temperature CO Oxidation Activity. <i>ChemCatChem</i> , 2011, 3, 399-407.	3.7	38

#	ARTICLE	IF	CITATIONS
37	Hierarchical mulberry-like Fe ₃ S ₄ /Co ₉ S ₈ nanoparticles as highly reversible anode for lithium-ion batteries. <i>Electrochimica Acta</i> , 2019, 304, 405-414.	5.2	38
38	Controllable preparation of Co ₃ O ₄ nanosheets and their electrochemical performance for Li-ion batteries. <i>RSC Advances</i> , 2013, 3, 7850.	3.6	37
39	A glassy carbon electrode modified with nanoporous PdFe alloy for highly sensitive continuous determination of nitrite. <i>Mikrochimica Acta</i> , 2015, 182, 1055-1061.	5.0	37
40	Double conductivity-improved porous Sn/Sn ₄ P ₃ @carbon nanocomposite as high performance anode in Lithium-ion batteries. <i>Journal of Colloid and Interface Science</i> , 2019, 537, 588-596.	9.4	36
41	Nitrogen-doped carbon encapsulated hollow ZnSe/CoSe ₂ nanospheres as high performance anodes for lithium-ion batteries. <i>Nanoscale</i> , 2020, 12, 22778-22786.	5.6	36
42	Microtensile tests of mechanical properties of nanoporous Au thin films. <i>Journal of Materials Science</i> , 2009, 44, 4728-4733.	3.7	35
43	Nanoporous TiO ₂ /Co ₃ O ₄ Composite as an Anode Material for Lithium-Ion Batteries. <i>Electrochimica Acta</i> , 2016, 211, 83-91.	5.2	35
44	Nanoporous platinum-copper flowers for non-enzymatic sensitive detection of hydrogen peroxide and glucose at near-neutral pH values. <i>Mikrochimica Acta</i> , 2019, 186, 631.	5.0	35
45	Graphene quantum dots modified nanoporous SiAl composite as an advanced anode for lithium storage. <i>Electrochimica Acta</i> , 2019, 318, 228-235.	5.2	33
46	Electrochemically Exfoliated Chlorine-Doped Graphene for Flexible All-Solid-State Micro-Supercapacitors with High Volumetric Energy Density. <i>Advanced Materials</i> , 2022, 34, e2106309.	21.0	33
47	Stratified nanoporous PtTi alloys for hydrolysis of ammonia borane. <i>Journal of Colloid and Interface Science</i> , 2017, 496, 235-242.	9.4	32
48	An ultrasensitive biosensor for superoxide anion based on hollow porous PtAg nanospheres. <i>Biosensors and Bioelectronics</i> , 2018, 117, 429-435.	10.1	32
49	A Nanoporous PdCo Alloy as a Highly Active Electrocatalyst for the Oxygen-Reduction Reaction and Formic Acid Electrooxidation. <i>Chemistry - an Asian Journal</i> , 2013, 8, 2721-2728.	3.3	31
50	Facile Fabrication of a Three-Dimensional Cross-Linking TiO ₂ Nanowire Network and Its Long-Term Cycling Life for Lithium Storage. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 10107-10112.	8.0	31
51	A novel biomimetic composite scaffold hybridized with mesenchymal stem cells in repair of rat bone defects models. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 95A, 495-503.	4.0	30
52	Low-temperature CO oxidation over unsupported nanoporous gold catalysts with active or inert oxide residues. <i>Journal of Catalysis</i> , 2015, 332, 31-37.	6.2	28
53	One-step mild fabrication of porous core-shelled Si@TiO ₂ nanocomposite as high performance anode for Li-ion batteries. <i>Journal of Colloid and Interface Science</i> , 2019, 536, 171-179.	9.4	26
54	Nanoporous PdCr alloys as highly active electrocatalysts for oxygen reduction reaction. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 4166-4173.	2.8	25

#	ARTICLE	IF	CITATIONS
55	Facile fabrication of Fe ₃ O ₄ octahedra/nanoporous copper network composite for high-performance anode in Li-Ion batteries. <i>Journal of Colloid and Interface Science</i> , 2017, 493, 171-180.	9.4	25
56	Nanoporous PtCo/Co ₃ O ₄ composites with high catalytic activities toward hydrolytic dehydrogenation of ammonia borane. <i>Journal of Colloid and Interface Science</i> , 2017, 508, 542-550.	9.4	25
57	Support-free 3D hierarchical nanoporous Cu@Cu ₂ O for fast tandem ammonia borane dehydrogenation and nitroarenes hydrogenation under mild conditions. <i>Journal of Alloys and Compounds</i> , 2020, 815, 152372.	5.5	25
58	Tin sulphide nanoflowers anchored on three-dimensional porous graphene networks as high-performance anode for sodium-ion batteries. <i>Journal of Colloid and Interface Science</i> , 2018, 516, 1-8.	9.4	23
59	Phosphatidylserine enhances osteogenic differentiation in human mesenchymal stem cells via ERK signal pathways. <i>Materials Science and Engineering C</i> , 2013, 33, 1783-1788.	7.3	22
60	Nanoporous PtRu Alloys with Unique Catalytic Activity toward Hydrolytic Dehydrogenation of Ammonia Borane. <i>Chemistry - an Asian Journal</i> , 2016, 11, 705-712.	3.3	22
61	Carbon particles modified macroporous Si/Ni composite as an advanced anode material for lithium ion batteries. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 1078-1087.	7.1	22
62	A highly sensitive sensor for the detection of nitrite based on a nanoporous Fe ₂ O ₃ @Co composite. <i>Analytical Methods</i> , 2014, 6, 3147-3151.	2.7	20
63	Self-supporting Co _{0.85} Se nanosheets anchored on Co plate as highly efficient electrocatalyst for hydrogen evolution reaction in both acidic and alkaline media. <i>Nano Research</i> , 2020, 13, 2950-2957.	10.4	20
64	A Hierarchical Nanoporous PtCu Alloy as an Oxygen Reduction Reaction Electrocatalyst with High Activity and Durability. <i>ChemPlusChem</i> , 2014, 79, 107-113.	2.8	19
65	Easy preparation of nanoporous Ge/Cu ₃ Ge composite and its high performances towards lithium storage. <i>Journal of Colloid and Interface Science</i> , 2019, 539, 665-671.	9.4	19
66	Nanoporous PdZr surface alloy as highly active non-platinum electrocatalyst toward oxygen reduction reaction with unique structure stability and methanol tolerance. <i>Journal of Power Sources</i> , 2016, 316, 106-113.	7.8	17
67	Synergistic coupling of NiFeZn-OH nanosheet network arrays on a hierarchical porous NiZn/Ni heterostructure for highly efficient water splitting. <i>Science China Materials</i> , 2022, 65, 1207-1216.	6.3	16
68	Facile preparation of nanoporous TiO ₂ /MoO _x composite and its high lithium storage performances as an anode material. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 6820-6828.	7.1	15
69	A sensitive electrochemical immunosensor for the detection of human chorionic gonadotropin based on a hierarchical nanoporous AuAg alloy. <i>RSC Advances</i> , 2016, 6, 87-93.	3.6	13
70	Facile fabrication of graphene-encapsulated Mn ₃ O ₄ octahedra cross-linked with a silver network as a high-capacity anode material for lithium ion batteries. <i>New Journal of Chemistry</i> , 2017, 41, 13454-13461.	2.8	11
71	One-step mild fabrication of branch-like multimodal porous Si/Zn composites as high performance anodes for Li-ion batteries. <i>Solid State Ionics</i> , 2020, 354, 115406.	2.7	11
72	Ag Nanoparticles Anchored on Nanoporous Ge Skeleton as High-Performance Anode for Lithium-ion Batteries. <i>Chinese Journal of Chemistry</i> , 2021, 39, 2881-2888.	4.9	9

#	ARTICLE	IF	CITATIONS
73	Adaptability of sweetpotato whitefly <i>Bemisia tabaci</i> (Hemiptera: Aleyrodidae) on seven marginal host plants. <i>International Journal of Pest Management</i> , 2012, 58, 297-301.	1.8	7
74	Porous PtAg nanoshells/reduced graphene oxide based biosensors for low-potential detection of NADH. <i>Mikrochimica Acta</i> , 2020, 187, 544.	5.0	7
75	Conductive Ni supported NiCoO ₂ –NiCoP nanosheets as highly active electrocatalyst toward hydrogen evolution reaction in alkaline media. <i>Journal of Alloys and Compounds</i> , 2020, 848, 156603.	5.5	6
76	Facile Preparation of Nanoporous PtCu Alloys for Preferential Oxidation of CO in Hydrogen-Rich System. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 12628-12634.	0.9	0