

Qingguo Bai

List of Publications by Year in descending order

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27
papers

649
citations

567281

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Ultrafine nanoporous PdFe/Fe ₃ O ₄ catalysts with doubly enhanced activities towards electro-oxidation of methanol and ethanol in alkaline media. <i>Journal of Materials Chemistry A</i> , 2013, 1, 3620.	10.3	95
2	Ultrathin mesoporous NiO nanosheet-anchored 3D nickel foam as an advanced electrode for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 17469-17478.	10.3	95
3	NiO nanorod array anchored Ni foam as a binder-free anode for high-rate lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2014, 2, 20022-20029.	10.3	90
4	Dealloying-driven nanoporous palladium with superior electrochemical actuation performance. <i>Nanoscale</i> , 2016, 8, 7287-7295.	5.6	47
5	Hierarchically nanoporous nickel-based actuators with giant reversible strain and ultrahigh work density. <i>Journal of Materials Chemistry C</i> , 2016, 4, 45-52.	5.5	38
6	Nickel oxide nanopetal-decorated 3D nickel network with enhanced pseudocapacitive properties. <i>RSC Advances</i> , 2015, 5, 15042-15051.	3.6	37
7	Atomic layer-by-layer construction of Pd on nanoporous gold via underpotential deposition and displacement reaction. <i>RSC Advances</i> , 2015, 5, 19409-19417.	3.6	24
8	Synthesis and Electrocatalytic Performance of Multi-Component Nanoporous PtRuCuW Alloy for Direct Methanol Fuel Cells. <i>Catalysts</i> , 2015, 5, 1003-1015.	3.5	23
9	Flexible and ultralong-life cuprous oxide microsphere-nanosheets with superior pseudocapacitive properties. <i>RSC Advances</i> , 2015, 5, 6207-6214.	3.6	22
10	Electrochemical actuation behaviors and mechanisms of bulk nanoporous Ni-Pd alloy. <i>Scripta Materialia</i> , 2017, 137, 73-77.	5.2	22
11	Self-healing liquid Ga-based anodes with regulated wetting and working temperatures for advanced Mg ion batteries. <i>Journal of Materials Chemistry A</i> , 2021, 9, 17019-17029.	10.3	20
12	Large-scale synthesis and catalytic activity of nanoporous Cu ⁺ O system towards CO oxidation. <i>RSC Advances</i> , 2014, 4, 65004-65011.	3.6	17
13	Sign inversion of surface stress ⁺ charge response of bulk nanoporous nickel actuators with different surface states. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 19798-19806.	2.8	17
14	Electrochemical actuation behaviors of bulk nanoporous palladium in acid and alkaline solutions. <i>Electrochimica Acta</i> , 2016, 220, 91-97.	5.2	16
15	Hydrothermal Transformation of Titanate Scrolled Nanosheets to Anatase over a Wide pH Range and Contribution of Triethanolamine and Oleic Acid to Control the Morphology. <i>Inorganic Chemistry</i> , 2019, 58, 2588-2598.	4.0	16
16	Nanoporous copper as an inexpensive electrochemical actuator responsive to sub-volt voltages. <i>Electrochemistry Communications</i> , 2021, 124, 106940.	4.7	16
17	Alloying/dealloying mechanisms, microstructural modulation and mechanical properties of nanoporous silver via a liquid metal-assisted alloying/dealloying strategy. <i>Journal of Alloys and Compounds</i> , 2021, 872, 159675.	5.5	10
18	Design of Metal@Titanium Oxide Nano-heterodimers by Laser-Driven Photodeposition: Growth Mechanism and Modeling. <i>ACS Nano</i> , 2021, 15, 2947-2961.	14.6	9

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19	A self-healing room-temperature liquid eutectic GaSn anode with improved wettability for advanced Mg ion batteries. <i>Chemical Engineering Journal</i> , 2022, 435, 134903.	12.7	9
20	In-situ X-ray diffraction study on dealloying: A scenario of a Cu ₉₀ Au ₁₀ alloy. <i>Journal of Physics and Chemistry of Solids</i> , 2021, 150, 109879.	4.0	6
21	Liquid metal assisted regulation of macro-/micro-structures and mechanical properties of nanoporous copper. <i>Science China Technological Sciences</i> , 2021, 64, 2229-2236.	4.0	4
22	Vapor phase dealloying-driven synthesis of bulk nanoporous cobalt with a face-centered cubic structure. <i>CrystEngComm</i> , 2021, 23, 6526-6532.	2.6	4
23	High-performance, low-cost nanoporous alloy actuators by one-step dealloying of Al-Ni-Cu precursors. <i>Intermetallics</i> , 2022, 145, 107537.	3.9	4
24	Lattice defects and oxide formation coupledly enhanced giant electrical resistance change in nanoporous silver. <i>Electrochimica Acta</i> , 2016, 206, 26-35.	5.2	3
25	Formation, lithium storage properties and mechanism of nanoporous germanium fabricated by dealloying. <i>Journal of Chemical Physics</i> , 2021, 155, 184702.	3.0	2
26	Microstructural/compositional regulations and actuation properties of nanoporous ternary CuMnNi alloys fabricated by electrochemical dealloying. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 0, , .	1.8	2
27	Unveiling the Magnesium Storage Mechanisms of Co-Sputtered Indium-Tin Alloy Films Using Operando X-ray Diffraction. <i>Journal of the Electrochemical Society</i> , 2022, 169, 010506.	2.9	1