

Yi Ding

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211
papers

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224
ext. papers

14,639
ext. citations

9.3
avg, IF

6.7
L-index

#	Paper	IF	Citations
211	Nanoporous Gold Leaf: Ancient Technology/Advanced Material. <i>Advanced Materials</i> , 2004 , 16, 1897-1900	2.4	633
210	Low temperature CO oxidation over unsupported nanoporous gold. <i>Journal of the American Chemical Society</i> , 2007 , 129, 42-3	16.4	541
209	Nanoscale Magnesium Hydroxide and Magnesium Oxide Powders: Control over Size, Shape, and Structure via Hydrothermal Synthesis. <i>Chemistry of Materials</i> , 2001 , 13, 435-440	9.6	402
208	Nanoporous metals with controlled multimodal pore size distribution. <i>Journal of the American Chemical Society</i> , 2003 , 125, 7772-3	16.4	401
207	Metallic mesoporous nanocomposites for electrocatalysis. <i>Journal of the American Chemical Society</i> , 2004 , 126, 6876-7	16.4	370
206	Nanoporous Metals for Catalytic and Optical Applications. <i>MRS Bulletin</i> , 2009 , 34, 569-576	3.2	348
205	Sub-micrometer-thick all-solid-state supercapacitors with high power and energy densities. <i>Advanced Materials</i> , 2011 , 23, 4098-102	24	324
204	Nanostructured Porous Gold for Methanol Electro-Oxidation. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 10382-10388	3.8	321
203	Solvothermal Elemental Direct Reaction to CdE (E = S, Se, Te) Semiconductor Nanorod. <i>Inorganic Chemistry</i> , 1999 , 38, 1382-1387	5.1	316
202	Nonaqueous Synthesis of CdS Nanorod Semiconductor. <i>Chemistry of Materials</i> , 1998 , 10, 2301-2303	9.6	283
201	Nanoporous Metals by Dealloying Multicomponent Metallic Glasses. <i>Chemistry of Materials</i> , 2008 , 20, 4548-4550	9.6	248
200	Surface evolution of a PtPdAu electrocatalyst for stable oxygen reduction. <i>Nature Energy</i> , 2017 , 2,	62.3	233
199	Dealloying to nanoporous Au/Pt alloys and their structure sensitive electrocatalytic properties. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 239-46	3.6	183
198	Superaerophobic electrodes for direct hydrazine fuel cells. <i>Advanced Materials</i> , 2015 , 27, 2361-6	24	181
197	Ultralow-platinum-loading high-performance nanoporous electrocatalysts with nanoengineered surface structures. <i>Advanced Materials</i> , 2010 , 22, 1845-8	24	171
196	Electrochemical sensor for detection of p-nitrophenol based on nanoporous gold. <i>Electrochemistry Communications</i> , 2009 , 11, 1365-1368	5.1	167
195	Porous AgCl/Ag Nanocomposites with Enhanced Visible Light Photocatalytic Properties. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 3175-3179	3.8	166

194	3D binder-free Cu ₂ O@Cu nanoneedle arrays for high-performance asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 18229-18235	13	152
193	Nanoporous surface alloys as highly active and durable oxygen reduction reaction electrocatalysts. <i>Energy and Environmental Science</i> , 2012 , 5, 5281-5286	35.4	150
192	Aerobic Oxidation of d-Glucose on Support-Free Nanoporous Gold. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 9673-9678	3.8	148
191	Nanotubular Mesoporous Bimetallic Nanostructures with Enhanced Electrocatalytic Performance. <i>Advanced Materials</i> , 2009 , 21, 2165-2169	24	146
190	A Three-Dimensional Gold-Decorated Nanoporous Copper Core-Shell Composite for Electrocatalysis and Nonenzymatic Biosensing. <i>Advanced Functional Materials</i> , 2010 , 20, 2279-2285	15.6	146
189	Research on unsupported nanoporous gold catalyst for CO oxidation. <i>Journal of Catalysis</i> , 2007 , 252, 243-248	7.3	146
188	Platinum-Decorated Nanoporous Gold Leaf for Methanol Electrooxidation. <i>Chemistry of Materials</i> , 2007 , 19, 5827-5829	9.6	146
187	General synthesis and phase control of metal molybdate hydrates MMoO ₄ .nH ₂ O (M = Co, Ni, Mn, n = 0, 3/4, 1) nano/microcrystals by a hydrothermal approach: magnetic, photocatalytic, and electrochemical properties. <i>Inorganic Chemistry</i> , 2008 , 47, 7813-23	5.1	144
186	Nanotubular Mesoporous PdCu Bimetallic Electrocatalysts toward Oxygen Reduction Reaction. <i>Chemistry of Materials</i> , 2009 , 21, 3110-3116	9.6	142
185	Immobilization of Laccase on Nanoporous Gold: Comparative Studies on the Immobilization Strategies and the Particle Size Effects. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 2521-2525	3.8	130
184	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	3.8	121
183	Nanoporous PtRu alloys for electrocatalysis. <i>Langmuir</i> , 2010 , 26, 7437-43	4	116
182	3D architectures of iron molybdate: phase selective synthesis, growth mechanism, and magnetic properties. <i>Chemistry - A European Journal</i> , 2007 , 13, 746-53	4.8	113
181	Bimodal nanoporous Pd ₃ Cu ₁ alloy with restrained hydrogen evolution for stable and high yield electrochemical nitrogen reduction. <i>Nano Energy</i> , 2019 , 58, 834-841	17.1	111
180	A Novel Chemical Route to ZnTe Semiconductor Nanorods. <i>Advanced Materials</i> , 1999 , 11, 847-850	24	111
179	Nanoporous Zn-doped Co ₃ O ₄ sheets with single-unit-cell-wide lateral surfaces for efficient oxygen evolution and water splitting. <i>Nano Energy</i> , 2018 , 44, 371-377	17.1	111
178	Photophysical properties of ZnS quantum dots. <i>Journal of Physics and Chemistry of Solids</i> , 1999 , 60, 13-15.9		109
177	Biodiesel production in packed-bed reactors using lipase-nanoparticle biocomposite. <i>Bioresource Technology</i> , 2011 , 102, 6352-5	11	104

176	A general corrosion route to nanostructured metal oxides. <i>Nanoscale</i> , 2010 , 2, 906-9	7.7	102
175	Template-free Synthesis of Single-Crystalline-like CeO ₂ Hollow Nanocubes. <i>Crystal Growth and Design</i> , 2008 , 8, 4449-4453	3.5	102
174	Green synthesis of large-scale highly ordered core@shell nanoporous Au@Ag nanorod arrays as sensitive and reproducible 3D SERS substrates. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 15667-73	9.5	101
173	Atomic observation of catalysis-induced nanopore coarsening of nanoporous gold. <i>Nano Letters</i> , 2014 , 14, 1172-7	11.5	100
172	Electrocatalytic oxidation of d-glucose at nanoporous Au and Au@Ag alloy electrodes in alkaline aqueous solutions. <i>Electrochimica Acta</i> , 2009 , 54, 7286-7293	6.7	100
171	A reduction-pyrolysis-catalysis synthesis of diamond. <i>Science</i> , 1998 , 281, 246-7	33.3	99
170	Immobilization of lipases onto magnetic Fe ₃ O ₄ nanoparticles for application in biodiesel production. <i>ChemSusChem</i> , 2009 , 2, 947-50	8.3	95
169	Self-powered H ₂ production with bifunctional hydrazine as sole consumable. <i>Nature Communications</i> , 2018 , 9, 4365	17.4	95
168	Three-dimensional bicontinuous nanoporous Au/polyaniline hybrid films for high-performance electrochemical supercapacitors. <i>Journal of Power Sources</i> , 2012 , 197, 325-329	8.9	93
167	Interface reaction route to two different kinds of CeO ₂ nanotubes. <i>Inorganic Chemistry</i> , 2008 , 47, 723-8	5.1	91
166	Ruthenium-platinum core-shell nanocatalysts with substantially enhanced activity and durability towards methanol oxidation. <i>Nano Energy</i> , 2016 , 21, 247-257	17.1	88
165	Enhanced Photoelectrocatalytic Activity of Methanol Oxidation on TiO ₂ -Decorated Nanoporous Gold. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 16138-16143	3.8	86
164	Characterization of nanoporous gold electrodes for bioelectrochemical applications. <i>Langmuir</i> , 2012 , 28, 2251-61	4	83
163	A Solvothermal Elemental Reaction To Produce Nanocrystalline ZnSe. <i>Inorganic Chemistry</i> , 1998 , 37, 2844-2845	5.3	83
162	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	13	82
161	Dispersing Pt atoms onto nanoporous gold for high performance direct formic acid fuel cells. <i>Chemical Science</i> , 2014 , 5, 403-409	9.4	81
160	Facile fabrication of ultrathin Pt overlayers onto nanoporous metal membranes via repeated Cu UPD and in situ redox replacement reaction. <i>Langmuir</i> , 2009 , 25, 561-7	4	80
159	Room-temperature conversion route to nanocrystalline mercury chalcogenides HgE (E=S,Se,Te). <i>Journal of Physics and Chemistry of Solids</i> , 1999 , 60, 965-968	3.9	80

158	A novel nanoporous gold modified electrode for the selective determination of dopamine in the presence of ascorbic acid. <i>Colloids and Surfaces B: Biointerfaces</i> , 2009 , 69, 105-8	6	76
157	Unsupported nanoporous gold for heterogeneous catalysis. <i>Catalysis Science and Technology</i> , 2013 , 3, 2862	5.5	72
156	Room Temperature Synthesis of Metal Chalcogenides in Ethylenediamine. <i>Inorganic Chemistry</i> , 1999 , 38, 4737-4740	5.1	71
155	Dealloying to nanoporous silver and its implementation as a template material for construction of nanotubular mesoporous bimetallic nanostructures. <i>ChemPhysChem</i> , 2010 , 11, 3320-8	3.2	70
154	Electrocatalytic activity of bimetallic platinum-gold catalysts fabricated based on nanoporous gold. <i>Physical Chemistry Chemical Physics</i> , 2008 , 10, 3250-5	3.6	70
153	Nanoporous metal by dealloying for electrochemical energy conversion and storage. <i>MRS Bulletin</i> , 2018 , 43, 43-48	3.2	69
152	Epitaxial casting of nanotubular mesoporous platinum. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 4002-6	16.4	67
151	Molecularly imprinted polymer decorated nanoporous gold for highly selective and sensitive electrochemical sensors. <i>Scientific Reports</i> , 2015 , 5, 7699	4.9	66
150	Visualizing Under-Coordinated Surface Atoms on 3D Nanoporous Gold Catalysts. <i>Advanced Materials</i> , 2016 , 28, 1753-9	24	65
149	Enhancing the performance of MnO by double carbon modification for advanced lithium-ion battery anodes. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 920-925	13	64
148	Flexible Lithium-Air Battery in Ambient Air with an In Situ Formed Gel Electrolyte. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 16131-16135	16.4	64
147	Self-Supported Hierarchical Nanostructured NiFe-LDH and Cu3P Weaving Mesh Electrodes for Efficient Water Splitting. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 380-388	8.3	63
146	Direct imaging and determination of the crystal structure of six-layered graphdiyne. <i>Nano Research</i> , 2018 , 11, 1714-1721	10	62
145	Direct N ₂ H ₄ /H ₂ O ₂ fuel cells powered by nanoporous gold leaves. <i>Scientific Reports</i> , 2012 , 2, 941	4.9	62
144	Tailoring the Structure and Property of Pt-Decorated Nanoporous Gold by Thermal Annealing. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 7379-7384	3.8	62
143	Solvothermal growth of vaterite in the presence of ethylene glycol, 1,2-propanediol and glycerin. <i>Journal of Crystal Growth</i> , 2002 , 236, 357-362	1.6	62
142	In situ synthesis of C/Cu/ZnO porous hybrids as anode materials for lithium ion batteries. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 1525-32	9.5	60
141	In situ decomposition of metal-organic frameworks into ultrathin nanosheets for the oxygen evolution reaction. <i>Nano Research</i> , 2016 , 9, 1856-1865	10	60

140	Sonochemical synthesis of nanocrystalline lead chalcogenides: PbE (E = S, Se, Te). <i>Materials Research Bulletin</i> , 2003 , 38, 539-543	5.1	58
139	Porous Mn ₂ O ₃ cathode for highly durable LiCO ₂ batteries. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 20829-20835	13	58
138	Rechargeable Al-CO Batteries for Reversible Utilization of CO. <i>Advanced Materials</i> , 2018 , 30, e1801152	24	58
137	Au-Ag alloy nanoporous nanotubes. <i>Nano Research</i> , 2009 , 2, 386-393	10	56
136	Tailored Electron Transfer Pathways in Au-core/Pt-shell Graphene Nanocatalysts for Fuel Cells. <i>Advanced Energy Materials</i> , 2018 , 8, 1702609	21.8	54
135	Gellan gel beads containing magnetic nanoparticles: an effective biosorbent for the removal of heavy metals from aqueous system. <i>Bioresource Technology</i> , 2009 , 100, 2301-4	11	54
134	A MoS ₂ /Carbon hybrid anode for high-performance Li-ion batteries at low temperature. <i>Nano Energy</i> , 2020 , 70, 104550	17.1	52
133	Electrochemiluminescence of CdTe quantum dots as labels at nanoporous gold leaf electrodes for ultrasensitive DNA analysis. <i>Talanta</i> , 2010 , 80, 1737-43	6.2	52
132	2D ultrathin core-shell Pd@Pt(monolayer) nanosheets: defect-mediated thin film growth and enhanced oxygen reduction performance. <i>Nanoscale</i> , 2015 , 7, 11934-9	7.7	51
131	Gas-Phase Selective Oxidation of Benzyl Alcohol to Benzaldehyde with Molecular Oxygen over Unsupported Nanoporous Gold. <i>ChemCatChem</i> , 2010 , 2, 383-386	5.2	51
130	Theoretical Study of the CO Oxidation Mediated by Au ³⁺ , Au ₃ , and Au ₃ ⁺ Mechanism and Charge State Effect of Gold on Its Catalytic Activity. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 18032-18039	3.8	50
129	DFT Study on CO Oxidation Catalyzed by Pt _m Au _n (m + n = 4) Clusters: Catalytic Mechanism, Active Component, and the Configuration of Ideal Catalysts. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 14076-14082	3.8	49
128	Preparation and Characterization of Magnesium Hydroxide Sulfate Hydrate Whiskers. <i>Chemistry of Materials</i> , 2000 , 12, 2845-2852	9.6	48
127	Synthesis of Sulfonic Acid-Containing Polybenzoxazine for Proton Exchange Membrane in Direct Methanol Fuel Cells. <i>Macromolecules</i> , 2014 , 47, 1039-1045	5.5	47
126	Ultra-thin layer structured anodes for highly durable low-Pt direct formic acid fuel cells. <i>Nano Research</i> , 2014 , 7, 1569-1580	10	47
125	Nanoporous gold as an active low temperature catalyst toward CO oxidation in hydrogen-rich stream. <i>Scientific Reports</i> , 2013 , 3, 3015	4.9	46
124	Nanoporous Gold Leaf for Amperometric Determination of Nitrite. <i>Electroanalysis</i> , 2011 , 23, 381-386	3	45
123	Enzyme-nanoporous gold biocomposite: excellent biocatalyst with improved biocatalytic performance and stability. <i>PLoS ONE</i> , 2011 , 6, e24207	3.7	42

122	Fabrication of layered nanocrystallites SnS and SnS ₂ via a mild solution route. <i>Materials Research Bulletin</i> , 2002 , 37, 925-932	5.1	42
121	Fabrication of light-emitting porous hydromagnesite with rosette-like architecture. <i>Solid State Communications</i> , 2003 , 125, 117-120	1.6	42
120	Flexible Amalgam Film Enables Stable Lithium Metal Anodes with High Capacities. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 18466-18470	16.4	41
119	Tuning Surface Structure of 3D Nanoporous Gold by Surfactant-Free Electrochemical Potential Cycling. <i>Advanced Materials</i> , 2017 , 29, 1703601	24	40
118	Preparation of ternary I-IV-VI nanocrystallines via a mild solution route. <i>Materials Research Bulletin</i> , 2001 , 36, 2649-2656	5.1	40
117	Atomic origins of high electrochemical CO reduction efficiency on nanoporous gold. <i>Nanoscale</i> , 2018 , 10, 8372-8376	7.7	39
116	Ultramicroporous carbon with extremely narrow pore distribution and very high nitrogen doping for efficient methane mixture gases upgrading. <i>Carbon</i> , 2017 , 122, 258-265	10.4	37
115	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	5.2	37
114	Effective Acetylene/Ethylene Separation at Ambient Conditions by a Pigment-Based Covalent-Triazine Framework. <i>Macromolecular Rapid Communications</i> , 2018 , 39, 1700468	4.8	36
113	Synthesis and optical properties of three-dimensional porous core-shell nanoarchitectures. <i>Langmuir</i> , 2008 , 24, 4426-9	4	36
112	Self-supporting nanoporous gold-palladium overlayer bifunctional catalysts toward oxygen reduction and evolution reactions. <i>Nano Research</i> , 2016 , 9, 3781-3794	10	36
111	Highly selective electrocatalytic reduction of CO ₂ to formate over Tin(IV) sulfide monolayers. <i>Journal of Catalysis</i> , 2018 , 364, 125-130	7.3	36
110	Nanoporous Cu@Cu ₂ O hybrid arrays enable photo-assisted supercapacitor with enhanced capacities. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 15691-15697	13	35
109	Enhanced low-temperature Li-ion storage in MXene titanium carbide by surface oxygen termination. <i>2D Materials</i> , 2019 , 6, 045025	5.9	35
108	Xylanase immobilized nanoporous gold as a highly active and stable biocatalyst. <i>Microporous and Mesoporous Materials</i> , 2012 , 161, 1-6	5.3	34
107	Porous Nanostructured Metals for Electrocatalysis. <i>Electroanalysis</i> , 2012 , 24, 2035-2043	3	33
106	Microtensile tests of mechanical properties of nanoporous Au thin films. <i>Journal of Materials Science</i> , 2009 , 44, 4728-4733	4.3	33
105	Correlation of the thermal and electrical conductivities of nanoporous gold. <i>Nanotechnology</i> , 2010 , 21, 85703	3.4	32

104	Crystalline Cu-silicide stabilizes the performance of a high capacity Si-based Li-ion battery anode. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 19140-19146	13	31
103	Structure dependent electrooxidation of small organic molecules on Pt-decorated nanoporous gold membrane catalysts. <i>Electrochemistry Communications</i> , 2008 , 10, 1494-1497	5.1	31
102	Mesoporous manganese-cobalt oxide spinel catalysts for CO ₂ hydrogenation to methanol. <i>Journal of CO₂ Utilization</i> , 2019 , 32, 146-154	7.6	30
101	Micro/nano-structured FeS ₂ for high energy efficiency rechargeable Li-FeS ₂ battery. <i>Chemical Engineering Journal</i> , 2018 , 334, 725-731	14.7	30
100	Hierarchically nanoporous nickel-based actuators with giant reversible strain and ultrahigh work density. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 45-52	7.1	29
99	Dealloying to porous hybrid manganese oxides microspheres for high performance anodes in lithium ion batteries. <i>Journal of Power Sources</i> , 2015 , 274, 862-868	8.9	28
98	Platinum-decorated Au porous nanotubes as highly efficient catalysts for formic acid electro-oxidation. <i>ChemPhysChem</i> , 2010 , 11, 841-6	3.2	28
97	Nanostructuring gold wires as highly durable nanocatalysts for selective reduction of nitro compounds and azides with organosilanes. <i>Nano Research</i> , 2015 , 8, 1365-1372	10	27
96	An amalgam route to stabilize potassium metal anodes over a wide temperature range. <i>Chemical Communications</i> , 2020 , 56, 3512-3515	5.8	27
95	Improved microbial fuel cell performance by encapsulating microbial cells with a nickel-coated sponge. <i>Biosensors and Bioelectronics</i> , 2013 , 41, 848-51	11.8	27
94	Association of Glutathione Level and Cytotoxicity of Gold Nanoparticles in Lung Cancer Cells. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 12797-12802	3.8	27
93	Dynamic co-catalysis of Au single atoms and nanoporous Au for methane pyrolysis. <i>Nature Communications</i> , 2020 , 11, 1919	17.4	27
92	Three-dimensional electrode with conductive Cu framework for stable and fast Li-ion storage. <i>Energy Storage Materials</i> , 2018 , 11, 83-90	19.4	26
91	Highly selective oxidation of organosilanes with a reusable nanoporous silver catalyst. <i>Catalysis Communications</i> , 2014 , 53, 53-56	3.2	26
90	The effect of surface strain on the CO-poisoned surface of Pt electrode for hydrogen adsorption. <i>Journal of Catalysis</i> , 2017 , 350, 212-217	7.3	25
89	Effect of thermal coarsening on the thermal conductivity of nanoporous gold. <i>Journal of Materials Science</i> , 2012 , 47, 5013-5018	4.3	25
88	Dealloyed nanoporous materials for rechargeable lithium batteries. <i>Electrochemical Energy Reviews</i> , 2020 , 3, 541-580	29.3	25
87	One-step synthesis of ultrafine MoNiS and MoCoS monolayers as high-performance catalysts for hydrodesulfurization and hydrodenitrogenation. <i>Applied Catalysis B: Environmental</i> , 2018 , 239, 433-440	21.8	23

86	Selective Gas-Phase Oxidation of Alcohols over Nanoporous Silver. <i>ChemCatChem</i> , 2013 , 5, 1705-1708	5.2	23
85	Well-defined nanoporous palladium for electrochemical reductive dechlorination. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 5565-8	3.6	23
84	Theoretical Investigation of the Formation of Hydrogen Peroxide from H ₂ and O ₂ over Anionic Gold Clusters Au ⁿ⁻ (n = 1-4). <i>Journal of Physical Chemistry C</i> , 2007 , 111, 11590-11597	3.8	23
83	Synthesis and growth of hematite nanodiscs through a facile hydrothermal approach. <i>Journal of Nanoparticle Research</i> , 2010 , 12, 877-893	2.3	22
82	Multicomponent platinum-free nanoporous Pd-based alloy as an active and methanol-tolerant electrocatalyst for the oxygen reduction reaction. <i>Nano Research</i> , 2016 , 9, 1831-1843	10	22
81	NiCu Bimetallic Nanoparticles on Silica Support for Catalytic Hydrolysis of Ammonia Borane: Composition-Dependent Activity and Support Size Effect. <i>ACS Applied Energy Materials</i> , 2019 , 2, 5851-5861	6.1	21
80	Assembling Highly Coordinated Pt Sites on Nanoporous Gold for Efficient Oxygen Electroreduction. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 39705-39712	9.5	21
79	Nanoporous Metals for Advanced Energy Technologies 2016 ,		20
78	Gold nanoparticles trigger apoptosis and necrosis in lung cancer cells with low intracellular glutathione. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	20
77	The Energy Transfer and Thermal Stability of a Blue-Green Color Tunable K ₂ CaP ₂ O ₇ :Ce ³⁺ , Tb ³⁺ Phosphor. <i>Journal of the American Ceramic Society</i> , 2017 , 100, 185-192	3.8	20
76	Porous MnO as efficient catalyst towards the decomposition of Li ₂ CO ₃ in ambient Li-air batteries. <i>Electrochimica Acta</i> , 2018 , 280, 308-314	6.7	19
75	Growth of single crystal selenium with different morphologies via a solvothermal method. <i>Journal of Crystal Growth</i> , 2002 , 241, 489-497	1.6	19
74	Deposition of Au _x Ag _{1-x} /Au _y Ag _{1-y} Multilayers and Multisegment Nanowires. <i>Journal of the Electrochemical Society</i> , 2003 , 150, C523	3.9	18
73	Pretreatment effects on pigment-based textile inkjet printing [colour gamut and crockfastness properties]. <i>Coloration Technology</i> , 2019 , 135, 77-86	2	18
72	Temperature-Dependent Li Storage Performance in Nanoporous Cu-Ge-Al Alloy. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 9073-9082	9.5	17
71	Nanoporous palladium catalyzed silicon-based one-pot cross-coupling reaction of aryl iodides with organosilanes. <i>Catalysis Science and Technology</i> , 2014 , 4, 1734-1737	5.5	17
70	Exploration of Nanoporous CuBi Binary Alloy for Potassium Storage. <i>Advanced Functional Materials</i> , 2020 , 30, 2003838	15.6	17
69	Ultrathin Al foils to fabricate dendrite-free LiAl anodes. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 25415-25422	17	17

68	Filling and unfilling carbon capsules with transition metal oxide nanoparticles for Li-ion hybrid supercapacitors: towards hundred grade energy density. <i>Science China Materials</i> , 2017 , 60, 217-227	7.1	16
67	Recent Progress in Chemo-Enzymatic Methods for the Synthesis of N-Glycans. <i>Frontiers in Chemistry</i> , 2020 , 8, 513	5	15
66	Gold nanorod-templated synthesis of polymetallic hollow nanostructures with enhanced electrocatalytic performance. <i>Nanoscale</i> , 2014 , 6, 11732-7	7.7	15
65	Structural Evolution upon Delithiation/Lithiation in Prelithiated Foil Anodes: A Case Study of AgLi Alloys with High Li Utilization and Marginal Volume Variation. <i>Advanced Energy Materials</i> , 2021 , 11, 2003082	21.8	15
64	Reconstitution of the lipid-linked oligosaccharide pathway for assembly of high-mannose N-glycans. <i>Nature Communications</i> , 2019 , 10, 1813	17.4	14
63	Surface alloying of Pt monolayer on nanoporous gold for enhanced oxygen reduction. <i>Electrochimica Acta</i> , 2018 , 274, 9-15	6.7	13
62	Silylation reactions on nanoporous gold homolytic Si-H activation of silanes. <i>Chemical Science</i> , 2018 , 9, 4808-4813	9.4	13
61	Fabrication of an expandable keratin sponge for improved hemostasis in a penetrating trauma. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 182, 110367	6	13
60	Nickel Cobalt Thiospinel Nanoparticles as Hydrodesulfurization Catalysts: Importance of Cation Position, Structural Stability, and Sulfur Vacancy. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 19673-19681	9.5	13
59	A thermodynamically stable quasi-liquid interface for dendrite-free sodium metal anodes. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 6822-6827	13	12
58	Epitaxial Casting of Nanotubular Mesoporous Platinum. <i>Angewandte Chemie</i> , 2005 , 117, 4070-4074	3.6	12
57	Nanoporous Metals for Heterogeneous Catalysis: Following the Success of Raney Nickel. <i>Chemistry - A European Journal</i> , 2020 , 26, 8845-8856	4.8	11
56	Boosting the performance of Pt electro-catalysts toward formic acid electro-oxidation by depositing sub-monolayer Au clusters. <i>Electrochimica Acta</i> , 2011 , 56, 10039-10043	6.7	11
55	In situ preparation of gel polymer electrolyte for lithium batteries: Progress and perspectives. <i>Information Materials</i> ,	23.1	11
54	Dealloyed Nanoporous Materials for Rechargeable Post-Lithium Batteries. <i>ChemSusChem</i> , 2020 , 13, 3376-3390	6.3	10
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