

Yi Ding

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

211 papers	13,316 citations	64 h-index	110 g-index
224 ext. papers	14,639 ext. citations	9.3 avg, IF	6.7 L-index

#	Paper	IF	Citations
211	Dealloyed nanoporous materials for electrochemical energy conversion and storage. <i>EnergyChem</i> , 2022 , 4, 100069	36.9	5
210	Accelerated Hydrogen "Spill-Over" Enhances Anode Performance of Tensile Strained Pd-Based Fuel Cell Electrocatalysts.. <i>Small Methods</i> , 2022 , e2101328	12.8	
209	A Grid Inductance Detection Method based on the Oscillation Characteristic of Inverter Terminal Voltage. <i>IEEE Transactions on Power Electronics</i> , 2022 , 1-1	7.2	0
208	Fine-Tuning the Electronic Structure of Dealloyed PtCu Nanowires for Efficient Methanol Oxidation Reaction. <i>ACS Catalysis</i> , 2021 , 11, 14428-14438	13.1	6
207	Ultrathin nanoporous metal electrodes facilitate high proton conduction for low-Pt PEMFCs. <i>Nano Research</i> , 2021 , 14, 2681-2688	10	5
206	Fabrication of ulcer-adhesive oral keratin hydrogel for gastric ulcer healing in a rat. <i>International Journal of Energy Production and Management</i> , 2021 , 8, rbab008	5.3	5
205	A displacement dealloying route to dilute nanoporous PtAu alloys for highly active formic acid electro-oxidation. <i>Electrochimica Acta</i> , 2021 , 373, 137884	6.7	5
204	A Comparative Study of Camouflage Printing Color Matching Based on Monitor and Paper Card. <i>Fibers and Polymers</i> , 2021 , 22, 1009-1015	2	
203	Tuning the electronic structure of nanoporous Ag via alloying effect from Cu to boost the ORR and Zn-air battery performance. <i>Applied Surface Science</i> , 2021 , 545, 149042	6.7	5
202	Modification of the Coordination Environment of Active Sites on MoC for High-Efficiency CH ₄ Production. <i>Advanced Energy Materials</i> , 2021 , 11, 2100044	21.8	8
201	Highly coordinated Pd overlayers on nanoporous gold for efficient formic acid electro-oxidation. <i>Nano Research</i> , 2021 , 14, 3502-3508	10	5
200	Keratin-A6ACA NPs for gastric ulcer diagnosis and repair. <i>Journal of Materials Science: Materials in Medicine</i> , 2021 , 32, 66	4.5	1
199	A room temperature alloying strategy to enable commercial metal foil for efficient Li/Na storage and deposition. <i>Energy Storage Materials</i> , 2021 , 34, 708-715	19.4	9
198	Study on the factors influencing the dyeing performance of cotton fabric with vat dyes based on principal component analysis. <i>Journal of the Textile Institute</i> , 2021 , 112, 1460-1466	1.5	0
197	Applications of Low-Melting-Point Metals in Rechargeable Metal Batteries. <i>Chemistry - A European Journal</i> , 2021 , 27, 6407-6421	4.8	3
196	Study on the threshold range of polyester ratio for polyester/viscose blended fabrics based on cognitive psychology. <i>Journal of the Textile Institute</i> , 2021 , 112, 1120-1128	1.5	
195	Prevention of Na Corrosion and Dendrite Growth for Long-Life Flexible Na-Air Batteries. <i>ACS Central Science</i> , 2021 , 7, 335-344	16.8	9

194	Synergistic effects of nanodiamond modified separators toward highly stable and safe lithium metal batteries. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 16046-16055	13	2
193	Manipulated Crystallization and Passivated Defects for Efficient Perovskite Solar Cells via Addition of Ammonium Iodide. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 34053-34063	9.5	3
192	Immobilizing Ceramic Electrolyte Particles into a Gel Matrix Formed In Situ for Stable Li-Metal Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 38179-38187	9.5	1
191	Reversible Low Temperature Li-Storage in Liquid Metal Based Anodes via a Co-Solvent Strategy <i>Chinese Journal of Chemistry</i> , 2021 , 39, 2801-2807	4.9	1
190	A novel dual-protection interface based on gallium-lithium alloy enables dendrite-free lithium metal anodes. <i>Energy Storage Materials</i> , 2021 , 39, 403-411	19.4	9
189	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
188	Carbon-free nanoporous gold based membrane electrocatalysts for fuel cells. <i>Progress in Natural Science: Materials International</i> , 2020 , 30, 775-786	3.6	4
187	X-ray imaging of atomic nuclei. <i>Science China Materials</i> , 2020 , 63, 1788-1796	7.1	3
186	Dealloyed Nanoporous Materials for Rechargeable Post-Lithium Batteries. <i>ChemSusChem</i> , 2020 , 13, 3376-3390	6.3	10
185	Nanoporous Metals for Heterogeneous Catalysis: Following the Success of Raney Nickel. <i>Chemistry - A European Journal</i> , 2020 , 26, 8845-8856	4.8	11
184	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
183	Dealloyed Nanoporous Materials for Rechargeable Post-Lithium Batteries. <i>ChemSusChem</i> , 2020 , 13, 3288-3303	7.3	10
182	Recent Progress in Chemo-Enzymatic Methods for the Synthesis of N-Glycans. <i>Frontiers in Chemistry</i> , 2020 , 8, 513	5	15
181	An amalgam route to stabilize potassium metal anodes over a wide temperature range. <i>Chemical Communications</i> , 2020 , 56, 3512-3515	5.8	27
180	Bimetallic PtAu electrocatalysts for the oxygen reduction reaction: challenges and opportunities. <i>Dalton Transactions</i> , 2020 , 49, 4189-4199	4.3	7
179	The direct trifluoromethylsilylation and cyanosilylation of aldehydes via an electrochemically induced intramolecular pathway. <i>Chemical Communications</i> , 2020 , 56, 2435-2438	5.8	8
178	Bifunctional polymer-of-intrinsic-microporosity membrane for flexible Li/Na ⁺ /H ₂ O ₂ batteries with hybrid electrolytes. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 3491-3498	13	4
177	Anodically Triggered Aldehyde Cation Autocatalysis for Alkylation of Heteroarenes. <i>ChemSusChem</i> , 2020 , 13, 1997-2001	8.3	2

176	Electrochemical reduction of functionalized carbonyl compounds: enhanced reactivity over tailored nanoporous gold. <i>Nanoscale</i> , 2020 , 12, 4314-4319	7.7	5
175	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
174	Insight into the Regulatory Function of Human Hair Keratins in Wound Healing Using Proteomics. <i>Advanced Biology</i> , 2020 , 4, e1900235	3.5	3
173	Dealloyed nanoporous materials for rechargeable lithium batteries. <i>Electrochemical Energy Reviews</i> , 2020 , 3, 541-580	29.3	25
172	A Strategy To Prepare High-Quality Monocrystalline Graphene: Inducing Graphene Growth with Seeding Chemical Vapor Deposition and Its Mechanism. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 1306-1314	9.5	3
171	Exploration of Nanoporous CuBi Binary Alloy for Potassium Storage. <i>Advanced Functional Materials</i> , 2020 , 30, 2003838	15.6	17
170	Dynamic co-catalysis of Au single atoms and nanoporous Au for methane pyrolysis. <i>Nature Communications</i> , 2020 , 11, 1919	17.4	27
169	Rechargeable NaBO ₂ Battery with Ethylenediamine Additive in Ether-Based Electrolyte. <i>Advanced Functional Materials</i> , 2020 , 30, 2002120	15.6	8
168	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
167	Atomic-scale selectivity of hydrogen for storage sites in Pd nanoparticles at atmospheric pressure. <i>Nanoscale</i> , 2019 , 11, 10198-10202	7.7	4
166	Reconstitution of the lipid-linked oligosaccharide pathway for assembly of high-mannose N-glycans. <i>Nature Communications</i> , 2019 , 10, 1813	17.4	14
165	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
164	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
163	Temperature-Dependent Li Storage Performance in Nanoporous Cu-Ge-Al Alloy. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 9073-9082	9.5	17
162	Enhanced low-temperature Li-ion storage in MXene titanium carbide by surface oxygen termination. <i>2D Materials</i> , 2019 , 6, 045025	5.9	35
161	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
160	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
159	Direct anodic (thio)acetalization of aldehydes with alcohols (thiols) under neutral conditions, and computational insight into the electrochemical formation of the acetals. <i>Green Chemistry</i> , 2019 , 21, 4030-4034 ¹⁰	10	10

158	Flexible Amalgam Film Enables Stable Lithium Metal Anodes with High Capacities. <i>Angewandte Chemie</i> , 2019 , 131, 18637-18641	3.6	2
157	Flexible Amalgam Film Enables Stable Lithium Metal Anodes with High Capacities. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 18466-18470	16.4	41
156	The optimization of color-prediction models for colored cotton fiber yarns. <i>Textile Research Journal</i> , 2019 , 89, 4007-4014	1.7	5
155	Ultrathin Al foils to fabricate dendrite-free LiAl anodes. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 25415-25422	17	17
154	Pretreatment effects on pigment-based textile inkjet printing colour gamut and crockfastness properties. <i>Coloration Technology</i> , 2019 , 135, 77-86	2	18
153	Atomic origins of high electrochemical CO reduction efficiency on nanoporous gold. <i>Nanoscale</i> , 2018 , 10, 8372-8376	7.7	39
152	Surface alloying of Pt monolayer on nanoporous gold for enhanced oxygen reduction. <i>Electrochimica Acta</i> , 2018 , 274, 9-15	6.7	13
151	Nanoporous metal by dealloying for electrochemical energy conversion and storage. <i>MRS Bulletin</i> , 2018 , 43, 43-48	3.2	69
150	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
149	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
148	Silylation reactions on nanoporous gold homolytic Si-H activation of silanes. <i>Chemical Science</i> , 2018 , 9, 4808-4813	9.4	13
147	Synergetic enhancement of the electronic/ionic conductivity of a Li-ion battery by fabrication of a carbon-coated nanoporous SnOSb alloy anode. <i>Nanoscale</i> , 2018 , 10, 7605-7611	7.7	8
146	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
145	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
144	Ultrathin nanoporous metal-semiconductor heterojunction photoanodes for visible light hydrogen evolution. <i>Nano Research</i> , 2018 , 11, 2046-2057	10	7
143	Direct imaging and determination of the crystal structure of six-layered graphdiyne. <i>Nano Research</i> , 2018 , 11, 1714-1721	10	62
142	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
141	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

140	Self-Supported Hierarchical Nanostructured NiFe-LDH and Cu ₃ P Weaving Mesh Electrodes for Efficient Water Splitting. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 380-388	8.3	63
139	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
138	Porous Mn ₂ O ₃ cathode for highly durable Li ⁺ /CO ₂ batteries. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 20829-20835	13	58
137	Assembling Highly Coordinated Pt Sites on Nanoporous Gold for Efficient Oxygen Electoreduction. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 39705-39712	9.5	21
136	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
135	Flexible Lithium-Air Battery in Ambient Air with an In Situ Formed Gel Electrolyte. <i>Angewandte Chemie</i> , 2018 , 130, 16363-16367	3.6	5
134	Self-powered H ₂ production with bifunctional hydrazine as sole consumable. <i>Nature Communications</i> , 2018 , 9, 4365	17.4	95
133	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	2.5	13
132	Rechargeable Al-CO Batteries for Reversible Utilization of CO. <i>Advanced Materials</i> , 2018 , 30, e1801152	24	58
131	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
130	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
129	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
128	Tuning Surface Structure of 3D Nanoporous Gold by Surfactant-Free Electrochemical Potential Cycling. <i>Advanced Materials</i> , 2017 , 29, 1703601	24	40
127	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
126	Surface evolution of a Pt ₂ BdAu electrocatalyst for stable oxygen reduction. <i>Nature Energy</i> , 2017 , 2,	62.3	233
125	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
124	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
123	Visualizing Under-Coordinated Surface Atoms on 3D Nanoporous Gold Catalysts. <i>Advanced Materials</i> , 2016 , 28, 1753-9	24	65

122	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
121	Introduction to Nanoporous Metals 2016 , 1-35		2
120	Formation and Microstructural Regulation of Nanoporous Metals 2016 , 37-81		1
119	Nanoporous Metals for Li Battery Applications 2016 , 175-209		2
118	Nanoporous Metals for Advanced Energy Technologies 2016 ,		20
117	Nanoporous Metals for Fuel Cell Applications 2016 , 83-135		2
116	Nanoporous Metals for Supercapacitor Applications 2016 , 137-173		5
115	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
114	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
113	Dealloyed Nanoporous Metals for Catalysis 2016 ,		2
112	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
111	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
110	Self-supporting nanoporous gold-palladium overlayer bifunctional catalysts toward oxygen reduction and evolution reactions. <i>Nano Research</i> , 2016 , 9, 3781-3794	10	36
109	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
108	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
107	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
106	Superaerophobic electrodes for direct hydrazine fuel cells. <i>Advanced Materials</i> , 2015 , 27, 2361-6	24	181
105	Effects of Buffers and pH on the Reaction of a trans-Platinum Complex with 5'-Guanosine Monophosphate. <i>European Journal of Inorganic Chemistry</i> , 2015 , 2015, 4914-4920	2.3	4

104	Molecularly imprinted polymer decorated nanoporous gold for highly selective and sensitive electrochemical sensors. <i>Scientific Reports</i> , 2015 , 5, 7699	4.9	66
103	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
102	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
101	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
100	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
99	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
98	Atomic observation of catalysis-induced nanopore coarsening of nanoporous gold. <i>Nano Letters</i> , 2014 , 14, 1172-7	11.5	100
97	Gold nanorod-templated synthesis of polymetallic hollow nanostructures with enhanced electrocatalytic performance. <i>Nanoscale</i> , 2014 , 6, 11732-7	7.7	15
96	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
95	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
94	Highly selective oxidation of organosilanes with a reusable nanoporous silver catalyst. <i>Catalysis Communications</i> , 2014 , 53, 53-56	3.2	26
93	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
92	Unsupported nanoporous gold for heterogeneous catalysis. <i>Catalysis Science and Technology</i> , 2013 , 3, 2862	5.5	72
91	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
90	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
89	Selective Gas-Phase Oxidation of Alcohols over Nanoporous Silver. <i>ChemCatChem</i> , 2013 , 5, 1705-1708	5.2	23
88	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
87	Nanoporous Metals 2013 , 779-818		8

86	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
85	Porous Nanostructured Metals for Electrocatalysis. <i>Electroanalysis</i> , 2012 , 24, 2035-2043	3	33
84	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
83	Xylanase immobilized nanoporous gold as a highly active and stable biocatalyst. <i>Microporous and Mesoporous Materials</i> , 2012 , 161, 1-6	5.3	34
82	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
81	Characterization of nanoporous gold electrodes for bioelectrochemical applications. <i>Langmuir</i> , 2012 , 28, 2251-61	4	83
80	Effect of thermal coarsening on the thermal conductivity of nanoporous gold. <i>Journal of Materials Science</i> , 2012 , 47, 5013-5018	4.3	25
79	Well-defined nanoporous palladium for electrochemical reductive dechlorination. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 5565-8	3.6	23
78	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
77	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
76	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
75	Sub-micrometer-thick all-solid-state supercapacitors with high power and energy densities. <i>Advanced Materials</i> , 2011 , 23, 4098-102	24	324
74	Flexible Electronics: Sub-Micrometer-Thick All-Solid-State Supercapacitors with High Power and Energy Densities (Adv. Mater. 35/2011). <i>Advanced Materials</i> , 2011 , 23, 4000-4000	24	1
73	Nanoporous Gold Leaf for Amperometric Determination of Nitrite. <i>Electroanalysis</i> , 2011 , 23, 381-386	3	45
72	Biodiesel production in packed-bed reactors using lipase-nanoparticle biocomposite. <i>Bioresource Technology</i> , 2011 , 102, 6352-5	11	104
71	Enzyme-nanoporous gold biocomposite: excellent biocatalyst with improved biocatalytic performance and stability. <i>PLoS ONE</i> , 2011 , 6, e24207	3.7	42
70	Correlation of the thermal and electrical conductivities of nanoporous gold. <i>Nanotechnology</i> , 2010 , 21, 85703	3.4	32
69	Nanoporous PtRu alloys for electrocatalysis. <i>Langmuir</i> , 2010 , 26, 7437-43	4	116

68	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
67	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
66	Porous AgCl/Ag Nanocomposites with Enhanced Visible Light Photocatalytic Properties. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 3175-3179	3.8	166
65	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
64	A general corrosion route to nanostructured metal oxides. <i>Nanoscale</i> , 2010 , 2, 906-9	7.7	102
63	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
62	Synthesis and growth of hematite nanodiscs through a facile hydrothermal approach. <i>Journal of Nanoparticle Research</i> , 2010 , 12, 877-893	2.3	22
61	Platinum-decorated Au porous nanotubes as highly efficient catalysts for formic acid electro-oxidation. <i>ChemPhysChem</i> , 2010 , 11, 841-6	3.2	28
60	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
59	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
58	Ultralow-platinum-loading high-performance nanoporous electrocatalysts with nanoengineered surface structures. <i>Advanced Materials</i> , 2010 , 22, 1845-8	24	171
57	Determination of ligament size distribution of nanoporous gold by scanning electron microscopy and image analysis. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 1651-4	1.3	4
56	Nanotubular Mesoporous Bimetallic Nanostructures with Enhanced Electrocatalytic Performance. <i>Advanced Materials</i> , 2009 , 21, 2165-2169	24	146
55	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
54	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
53	Microtensile tests of mechanical properties of nanoporous Au thin films. <i>Journal of Materials Science</i> , 2009 , 44, 4728-4733	4.3	33
52	Au-Ag alloy nanoporous nanotubes. <i>Nano Research</i> , 2009 , 2, 386-393	10	56
51	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

50	Electrochemical sensor for detection of p-nitrophenol based on nanoporous gold. <i>Electrochemistry Communications</i> , 2009 , 11, 1365-1368	5.1	167
49	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
48	Nanoporous Metals for Catalytic and Optical Applications. <i>MRS Bulletin</i> , 2009 , 34, 569-576	3.2	348
47	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
46	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
45	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
44	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
43	Nanotubular Mesoporous PdCu Bimetallic Electrocatalysts toward Oxygen Reduction Reaction. <i>Chemistry of Materials</i> , 2009 , 21, 3110-3116	9.6	142
42	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
41	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
40	Template-free Synthesis of Single-Crystalline-like CeO ₂ Hollow Nanocubes. <i>Crystal Growth and Design</i> , 2008 , 8, 4449-4453	3.5	102
39	Interface reaction route to two different kinds of CeO ₂ nanotubes. <i>Inorganic Chemistry</i> , 2008 , 47, 723-8	5.1	91
38	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
37	Nanoporous Metals by Dealloying Multicomponent Metallic Glasses. <i>Chemistry of Materials</i> , 2008 , 20, 4548-4550	9.6	248
36	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
35	Aerobic Oxidation of d-Glucose on Support-Free Nanoporous Gold. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 9673-9678	3.8	148
34	Synthesis and optical properties of three-dimensional porous core-shell nanoarchitectures. <i>Langmuir</i> , 2008 , 24, 4426-9	4	36
33	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

32	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
31	Low temperature CO oxidation over unsupported nanoporous gold. <i>Journal of the American Chemical Society</i> , 2007 , 129, 42–3	16.4	541
30	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
29	Research on unsupported nanoporous gold catalyst for CO oxidation. <i>Journal of Catalysis</i> , 2007 , 252, 243–248	7.3	146
28	Nanostructured Porous Gold for Methanol Electro-Oxidation. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 10382–10388	3.8	321
27	Platinum-Decorated Nanoporous Gold Leaf for Methanol Electrooxidation. <i>Chemistry of Materials</i> , 2007 , 19, 5827–5829	9.6	146
26	Epitaxial casting of nanotubular mesoporous platinum. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 4002–6	16.4	67
25	Epitaxial Casting of Nanotubular Mesoporous Platinum. <i>Angewandte Chemie</i> , 2005 , 117, 4070–4074	3.6	12
24	Nanoporous Gold Leaf: An Ancient Technology/Advanced Material. <i>Advanced Materials</i> , 2004 , 16, 1897–1900	16.4	633
23	Metallic mesoporous nanocomposites for electrocatalysis. <i>Journal of the American Chemical Society</i> , 2004 , 126, 6876–7	16.4	370
22	Sonochemical synthesis of nanocrystalline lead chalcogenides: PbE (E = S, Se, Te). <i>Materials Research Bulletin</i> , 2003 , 38, 539–543	5.1	58
21	Fabrication of light-emitting porous hydromagnesite with rosette-like architecture. <i>Solid State Communications</i> , 2003 , 125, 117–120	1.6	42
20	Nanoporous metals with controlled multimodal pore size distribution. <i>Journal of the American Chemical Society</i> , 2003 , 125, 7772–3	16.4	401
19	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
18	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
17	Solvothermal deposition of vaterite thin film on glass substrate. <i>Thin Solid Films</i> , 2002 , 414, 180–183	2.2	5
16	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
15	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

14	Preparation of ternary I-IV-VI nanocrystallines via a mild solution route. <i>Materials Research Bulletin</i> , 2001 , 36, 2649-2656	5.1	40
13	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
12	Superstructured magnesium hydroxide sulfate hydrate fibres. <i>Solid State Sciences</i> , 2001 , 3, 151-156		10
11	Preparation and Characterization of Magnesium Hydroxide Sulfate Hydrate Whiskers. <i>Chemistry of Materials</i> , 2000 , 12, 2845-2852	9.6	48
10	Photophysical properties of ZnS quantum dots. <i>Journal of Physics and Chemistry of Solids</i> , 1999 , 60, 13-15.	9.9	109
9	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
8	A Novel Chemical Route to ZnTe Semiconductor Nanorods. <i>Advanced Materials</i> , 1999 , 11, 847-850	24	111
7	Room Temperature Synthesis of Metal Chalcogenides in Ethylenediamine. <i>Inorganic Chemistry</i> , 1999 , 38, 4737-4740	5.1	71
6	Solvothermal Elemental Direct Reaction to CdE (E = S, Se, Te) Semiconductor Nanorod. <i>Inorganic Chemistry</i> , 1999 , 38, 1382-1387	5.1	316
5	A Solvothermal Elemental Reaction To Produce Nanocrystalline ZnSe. <i>Inorganic Chemistry</i> , 1998 , 37, 2844-2845.	5.3	583
4	Nonaqueous Synthesis of CdS Nanorod Semiconductor. <i>Chemistry of Materials</i> , 1998 , 10, 2301-2303	9.6	283
3	A reduction-pyrolysis-catalysis synthesis of diamond. <i>Science</i> , 1998 , 281, 246-7	33.3	99
2	A study on the applicability of pigment digital printing on cotton fabrics. <i>Textile Research Journal</i> , 2004 , 74, 1752-1759.	17.52	1792
1	In situ preparation of gel polymer electrolyte for lithium batteries: Progress and perspectives. <i>Information Materials</i> , 2003 , 3, 1-11	23.1	11