

# Hong Yang

## List of Publications by Citations

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158  
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177  
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19,513  
ext. citations

11.9  
avg, IF

7.03  
L-index

#	Paper	IF	Citations
158	Principles for characterizing the potential human health effects from exposure to nanomaterials: elements of a screening strategy. <i>Particle and Fibre Toxicology</i> , <b>2005</b> , 2, 8	8.4	1418
157	Designer platinum nanoparticles: Control of shape, composition in alloy, nanostructure and electrocatalytic property. <i>Nano Today</i> , <b>2009</b> , 4, 143-164	17.9	925
156	Superparamagnetic Colloids: Controlled Synthesis and Niche Applications. <i>Advanced Materials</i> , <b>2007</b> , 19, 33-60	24	813
155	Platinum-based oxygen reduction electrocatalysts. <i>Accounts of Chemical Research</i> , <b>2013</b> , 46, 1848-57	24.3	774
154	Synthesis of oriented films of mesoporous silica on mica. <i>Nature</i> , <b>1996</b> , 379, 703-705	50.4	625
153	Morphogenesis of shapes and surface patterns in mesoporous silica. <i>Nature</i> , <b>1997</b> , 386, 692-695	50.4	596
152	Synthesis and oxygen reduction electrocatalytic property of Pt-on-Pd bimetallic heteronanostructures. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 7542-3	16.4	565
151	Free-standing and oriented mesoporous silica films grown at the air/water interface. <i>Nature</i> , <b>1996</b> , 381, 589-592	50.4	493
150	Truncated octahedral Pt(3)Ni oxygen reduction reaction electrocatalysts. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 4984-5	16.4	459
149	Synthesis of colloidal metal and metal alloy nanoparticles for electrochemical energy applications. <i>Chemical Society Reviews</i> , <b>2013</b> , 42, 2880-904	58.5	445
148	Icosahedral platinum alloy nanocrystals with enhanced electrocatalytic activities. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 11880-3	16.4	445
147	Shape and composition-controlled platinum alloy nanocrystals using carbon monoxide as reducing agent. <i>Nano Letters</i> , <b>2011</b> , 11, 798-802	11.5	407
146	Platinum-Maghemite Core/Shell Nanoparticles Using a Sequential Synthesis. <i>Nano Letters</i> , <b>2003</b> , 3, 261-264	4.5	370
145	CaMnO <sub>3</sub> -based oxygen-deficient perovskite electrocatalyst for oxygen evolution reaction. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 14646-9	16.4	353
144	Synthesis of CoPt nanorods in ionic liquids. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 5316-7	16.4	301
143	Bulling Nanoparticles into Water: Phase Transfer of Oleic Acid Stabilized Monodisperse Nanoparticles into Aqueous Solutions of $\beta$ -Cyclodextrin. <i>Nano Letters</i> , <b>2003</b> , 3, 1555-1559	11.5	266
142	Synthesis of platinum multipods: an induced anisotropic growth. <i>Nano Letters</i> , <b>2005</b> , 5, 885-91	11.5	260

141	Platinum-based electrocatalysts with core-shell nanostructures. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 2674-6	16.4	255
140	Solvent-Free Atom Transfer Radical Polymerization in the Synthesis of Fe <sub>2</sub> O <sub>3</sub> @Polystyrene Core-Shell Nanoparticles. <i>Nano Letters</i> , <b>2003</b> , 3, 789-793	11.5	222
139	Synthesis of porous platinum nanoparticles. <i>Small</i> , <b>2006</b> , 2, 249-53	11	221
138	Patterned langmuir-blodgett films of monodisperse nanoparticles of iron oxide using soft lithography. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 630-1	16.4	217
137	Synthesis of Silver Nanoparticles in a Continuous Flow Tubular Microreactor. <i>Nano Letters</i> , <b>2004</b> , 4, 2227-2232	11.5	217
136	Surface lattice-engineered bimetallic nanoparticles and their catalytic properties. <i>Chemical Society Reviews</i> , <b>2012</b> , 41, 8066-74	58.5	215
135	High-Performance Pyrochlore-Type Yttrium Ruthenate Electrocatalyst for Oxygen Evolution Reaction in Acidic Media. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 12076-12083	16.4	202
134	Therapeutic target database update 2016: enriched resource for bench to clinical drug target and targeted pathway information. <i>Nucleic Acids Research</i> , <b>2016</b> , 44, D1069-74	20.1	193
133	Visible-Light-Driven Selective Photocatalytic Hydrogenation of Cinnamaldehyde over Au/SiC Catalysts. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 9361-4	16.4	184
132	Magnetic-field-assisted electrospinning of aligned straight and wavy polymeric nanofibers. <i>Advanced Materials</i> , <b>2010</b> , 22, 2454-7	24	182
131	Direct Synthesis of Narrowly Dispersed Silver Nanoparticles Using a Single-Source Precursor. <i>Langmuir</i> , <b>2003</b> , 19, 10081-10085	4	179
130	Effects of surfactants and synthetic conditions on the sizes and self-assembly of monodisperse iron oxide nanoparticles. <i>Journal of Materials Chemistry</i> , <b>2004</b> , 14, 774		172
129	Epitaxial Growth of Twinned Au-Pt Core-Shell Star-Shaped Decahedra as Highly Durable Electrocatalysts. <i>Nano Letters</i> , <b>2015</b> , 15, 7808-15	11.5	168
128	Growing Pt nanowires as a densely packed array on metal gauze. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 10634-5	16.4	168
127	Synthesis of mesoporous silica spheres under quiescent aqueous acidic conditions. <i>Journal of Materials Chemistry</i> , <b>1998</b> , 8, 743-750		166
126	Synthesis of face-centered tetragonal FePt nanoparticles and granular films from Pt@Fe <sub>2</sub> O <sub>3</sub> core-shell nanoparticles. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 14559-63	16.4	160
125	Highly uniform platinum icosahedra made by hot injection-assisted GRAILS method. <i>Nano Letters</i> , <b>2013</b> , 13, 2870-4	11.5	150
124	Synthesis and characterization of ordered intermetallic PtPb nanorods. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 8684-5	16.4	146

123	Synthesis and Oxygen Reduction Electrocatalytic Property of Platinum Hollow and Platinum-on-Silver Nanoparticles[] <i>Chemistry of Materials</i> , <b>2010</b> , 22, 1098-1106	9.6	138
122	Roles of Twin Defects in the Formation of Platinum Multipod Nanocrystals. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 14312-14319	3.8	129
121	Fabrication of Ordered Two-Dimensional Arrays of Micro- and Nanoparticles Using Patterned Self-Assembled Monolayers as Templates. <i>Advanced Materials</i> , <b>1999</b> , 11, 1433-1437	24	127
120	Composition-dependent formation of platinum silver nanowires. <i>ACS Nano</i> , <b>2010</b> , 4, 1501-10	16.7	126
119	Electrochemical synthesis and catalytic property of sub-10 nm platinum cubic nanoboxes. <i>Nano Letters</i> , <b>2010</b> , 10, 1492-6	11.5	123
118	PtAu bimetallic heteronanostructures made by post-synthesis modification of Pt-on-Au nanoparticles. <i>Nano Research</i> , <b>2009</b> , 2, 406-415	10	120
117	Effects of surface chemistry on the generation of reactive oxygen species by copper nanoparticles. <i>ACS Nano</i> , <b>2012</b> , 6, 2157-64	16.7	116
116	Three-Dimensional PtRu Nanostructures. <i>Chemistry of Materials</i> , <b>2007</b> , 19, 36-41	9.6	116
115	Integrated biochemical and mechanical signals regulate multifaceted human embryonic stem cell functions. <i>Journal of Cell Biology</i> , <b>2010</b> , 191, 631-44	7.3	112
114	Fabrication of High Performance Ceramic Microstructures from a Polymeric Precursor Using Soft Lithography. <i>Advanced Materials</i> , <b>2001</b> , 13, 54-58	24	106
113	Electrocatalytic properties of Pt nanowires supported on Pt and W gauzes. <i>ACS Nano</i> , <b>2008</b> , 2, 2167-73	16.7	104
112	Registered growth of mesoporous silica films on graphite. <i>Journal of Materials Chemistry</i> , <b>1997</b> , 7, 1285-1290		100
111	An Electrochemical Approach to PtAg Alloy Nanostructures Rich in Pt at the Surface. <i>Advanced Functional Materials</i> , <b>2010</b> , 20, 3734-3741	15.6	99
110	Hanoi tower-like multilayered ultrathin palladium nanosheets. <i>Nano Letters</i> , <b>2014</b> , 14, 7188-94	11.5	98
109	Shell mimetics. <i>Advanced Materials</i> , <b>1997</b> , 9, 662-667	24	92
108	Direct Oxidation of Methanol on Pt Nanostructures Supported on Electrospun Nanofibers of Anatase. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 9970-9975	3.8	92
107	Growth of Au on Pt icosahedral nanoparticles revealed by low-dose in situ TEM. <i>Nano Letters</i> , <b>2015</b> , 15, 2711-5	11.5	90
106	Oleic acid as the capping agent in the synthesis of noble metal nanoparticles in imidazolium-based ionic liquids. <i>Chemical Communications</i> , <b>2006</b> , 2545-7	5.8	87

105	Mesoporous silica with micrometer-scale designs. <i>Advanced Materials</i> , <b>1997</b> , 9, 811-814	24	84
104	Testing Nanomaterials of Unknown Toxicity: An Example Based on Platinum Nanoparticles of Different Shapes. <i>Advanced Materials</i> , <b>2007</b> , 19, 3124-3129	24	83
103	Photoluminescent Silicon Clusters in Oriented Hexagonal Mesoporous Silica Film. <i>Advanced Materials</i> , <b>1999</b> , 11, 474-480	24	77
102	AgPt alloy nanoparticles with the compositions in the miscibility gap. <i>Journal of Solid State Chemistry</i> , <b>2008</b> , 181, 1546-1551	3-3	76
101	Modeling of Menisci and Capillary Forces from the Millimeter to the Micrometer Size Range. <i>Journal of Physical Chemistry B</i> , <b>2001</b> , 105, 404-412	3-4	75
100	[email protected] Catalyst Membranes Fabricated by Electrospinning and Atomic Layer Deposition. <i>ACS Catalysis</i> , <b>2014</b> , 4, 144-151	13-1	74
99	Synthesis and Catalytic Properties of Silver Nanoparticle-Linear Polyethylene Imine Colloidal Systems. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 4594-4604	3-8	73
98	Morphokinetics: Growth of Mesoporous Silica Curved Shapes. <i>Advanced Materials</i> , <b>1999</b> , 11, 52-55	24	73
97	Higher-order nanostructures of two-dimensional palladium nanosheets for fast hydrogen sensing. <i>Nano Letters</i> , <b>2014</b> , 14, 5953-9	11-5	72
96	Synthesis and electrocatalytic oxygen reduction properties of truncated octahedral Pt <sub>3</sub> Ni nanoparticles. <i>Nano Research</i> , <b>2011</b> , 4, 72-82	10	72
95	Nanopillar Arrays of Glassy Carbon by Anodic Aluminum Oxide Nanoporous Templates. <i>Nano Letters</i> , <b>2003</b> , 3, 439-442	11-5	72
94	Free-standing mesoporous silica films; morphogenesis of channel and surface patterns. <i>Journal of Materials Chemistry</i> , <b>1997</b> , 7, 1755-1761		69
93	Synthesis of iron oxide nanoparticles using a freshly-made or recycled imidazolium-based ionic liquid. <i>Green Chemistry</i> , <b>2007</b> , 9, 1051	10	69
92	Porous Nanoparticle Membranes: Synthesis and Application as Fuel-Cell Catalysts. <i>Advanced Materials</i> , <b>2005</b> , 17, 2237-2241	24	66
91	Dissolution Kinetics of Oxidative Etching of Cubic and Icosahedral Platinum Nanoparticles Revealed by in Situ Liquid Transmission Electron Microscopy. <i>ACS Nano</i> , <b>2017</b> , 11, 1696-1703	16-7	65
90	Preparation of Nonprecious Metal Electrocatalysts for the Reduction of Oxygen Using a Low-Temperature Sacrificial Metal. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 5477-5481	16-4	62
89	Electrospun fibers as a scaffolding platform for bone tissue repair. <i>Journal of Orthopaedic Research</i> , <b>2013</b> , 31, 1382-9	3-8	62
88	Planar tripods of platinum: formation and self-assembly. <i>Physical Chemistry Chemical Physics</i> , <b>2006</b> , 8, 4660-3	3-6	60

87	Radial Patterns in Mesoporous Silica. <i>Advanced Materials</i> , <b>1999</b> , 11, 636-642	24	60
86	Neighboring Pt Atom Sites in an Ultrathin FePt Nanosheet for the Efficient and Highly CO-Tolerant Oxygen Reduction Reaction. <i>Nano Letters</i> , <b>2018</b> , 18, 5905-5912	11.5	58
85	A Porous Pyrochlore Y [Ru Y ]O Electrocatalyst for Enhanced Performance towards the Oxygen Evolution Reaction in Acidic Media. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 13877-13881	16.4	58
84	Thickness control and defects in oriented mesoporous silica films. <i>Journal of Materials Chemistry</i> , <b>1998</b> , 8, 1205-1211		57
83	Synthesis of iron oxide nanorods and nanocubes in an imidazolium ionic liquid. <i>Chemical Engineering Journal</i> , <b>2009</b> , 147, 71-78	14.7	54
82	Synergistic Effect of Segregated Pd and Au Nanoparticles on Semiconducting SiC for Efficient Photocatalytic Hydrogenation of Nitroarenes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 23029-23036	9.5	52
81	Zirconia-coated carbonyl-iron-particle-based magnetorheological fluid for polishing optical glasses and ceramics. <i>Applied Optics</i> , <b>2009</b> , 48, 6797-810	0.2	50
80	Porous Perovskite-Type Lanthanum Cobaltite as Electrocatalysts toward Oxygen Evolution Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 10910-10917	8.3	49
79	Facile synthesis of Rh-Pd alloy nanodendrites as highly active and durable electrocatalysts for oxygen reduction reaction. <i>Nanoscale</i> , <b>2014</b> , 6, 7012-8	7.7	47
78	Fabrication of Magnetic FePt Patterns from Langmuir-Blodgett Films of Platinum-Iron Oxide Core-Shell Nanoparticles. <i>Advanced Materials</i> , <b>2004</b> , 16, 1337-1341	24	45
77	Noble-Metal Nanotubes Prepared via a Galvanic Replacement Reaction Between Cu Nanowires and Aqueous H <sub>2</sub> AuCl <sub>4</sub> , H <sub>2</sub> PtCl <sub>6</sub> , or Na <sub>2</sub> PdCl <sub>4</sub> . <i>Science of Advanced Materials</i> , <b>2010</b> , 2, 413-420	2.3	44
76	Quantitative Analysis of Different Formation Modes of Platinum Nanocrystals Controlled by Ligand Chemistry. <i>Nano Letters</i> , <b>2017</b> , 17, 6146-6150	11.5	43
75	Platinum Lead Nanostructures: Formation, Phase Behavior, and Electrocatalytic Properties. <i>Advanced Functional Materials</i> , <b>2008</b> , 18, 2745-2753	15.6	43
74	Blueprints for inorganic materials with natural form: inorganic liquid crystals and a language of inorganic shape. <i>Journal of the Chemical Society Dalton Transactions</i> , <b>1997</b> , 3941-3952		42
73	Direct Synthesis of H <sub>2</sub> O <sub>2</sub> on AgPt Octahedra: The Importance of AgPt Coordination for High H <sub>2</sub> O <sub>2</sub> Selectivity. <i>ACS Catalysis</i> , <b>2018</b> , 8, 2880-2889	13.1	38
72	Effect of Amino Acid Coinclusion on the Complexation of Pyrene with $\beta$ -Cyclodextrin. <i>The Journal of Physical Chemistry</i> , <b>1996</b> , 100, 14533-14539		38
71	Overpressure Contact Printing. <i>Nano Letters</i> , <b>2004</b> , 4, 1657-1662	11.5	38
70	Synthesis of magnetic nanocomposites and alloys from platinum-iron oxide core-shell nanoparticles. <i>Nanotechnology</i> , <b>2005</b> , 16, S554-61	3.4	37

69	Chiral discrimination in the fluorescence quenching of pyrene complexed to $\beta$ -cyclodextrin. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>1995</b> , 86, 209-217	4.7	37
68	Single-Phase Pyrochlore Y <sub>2</sub> Ir <sub>2</sub> O <sub>7</sub> Electrocatalyst on the Activity of Oxygen Evolution Reaction. <i>ACS Applied Energy Materials</i> , <b>2018</b> , 1, 3992-3998	6.1	34
67	Rheology of Aqueous Magnetorheological Fluid Using Dual Oxide-Coated Carbonyl Iron Particles. <i>Journal of the American Ceramic Society</i> , <b>2011</b> , 94, 2386-2392	3.8	34
66	Computational Study on Surface Structure and Crystal Morphology of $\beta$ -Fe <sub>2</sub> O <sub>3</sub> : Toward Deterministic Synthesis of Nanocrystals. <i>Journal of Physical Chemistry B</i> , <b>2003</b> , 107, 14357-14364	3.4	33
65	Synthesis and corrosion study of zirconia-coated carbonyl iron particles. <i>Journal of Colloid and Interface Science</i> , <b>2010</b> , 342, 49-56	9.3	31
64	Ag-Pt Compositional Intermetallics Made from Alloy Nanoparticles. <i>Nano Letters</i> , <b>2016</b> , 16, 6599-6603	11.5	28
63	Toward Ending the Guessing Game: Study of the Formation of Nanostructures Using In Situ Liquid Transmission Electron Microscopy. <i>Journal of Physical Chemistry Letters</i> , <b>2015</b> , 6, 5051-61	6.4	27
62	Beyond the hemicylindrical micellar monolayer on graphite: AFM evidence for a lyotropic liquid crystal film. <i>Advanced Materials</i> , <b>1997</b> , 9, 917-921	24	27
61	Effects of Particle Size on Mg Ion Intercalation into $\beta$ -MnO Cathode Materials. <i>Nano Letters</i> , <b>2019</b> , 19, 4712-4720	11.5	26
60	Lattice contracted AgPt nanoparticles. <i>Chemical Communications</i> , <b>2011</b> , 47, 12595-7	5.8	25
59	Progress in hydrogen production over transition metal carbide catalysts: challenges and opportunities. <i>Current Opinion in Chemical Engineering</i> , <b>2018</b> , 20, 68-77	5.4	24
58	A motif for infinite metal atom wires. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 14087-91	16.4	24
57	Silane-based poly(ethylene glycol) as a primer for surface modification of nonhydrolytically synthesized nanoparticles using the Stober method. <i>Langmuir</i> , <b>2008</b> , 24, 11189-95	4	24
56	Strong electrostatic adsorption approach to the synthesis of sub-three nanometer intermetallic platinum-cobalt oxygen reduction catalysts. <i>Nano Energy</i> , <b>2021</b> , 79, 105465	17.1	23
55	A Porous Pyrochlore Y <sub>2</sub> [Ru <sub>1.6</sub> Y <sub>0.4</sub> ]O <sub>7</sub> Electrocatalyst for Enhanced Performance towards the Oxygen Evolution Reaction in Acidic Media. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 14073-14077	3.6	23
54	Improving the High-Current-Density Performance of PEMFC through Much Enhanced Utilization of Platinum Electrocatalysts on Carbon. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 26076-26083	9.5	22
53	Nucleation, growth and form of mesoporous silica: role of defects and a language of shape. <i>Studies in Surface Science and Catalysis</i> , <b>1998</b> , 119-127	1.8	22
52	Recent development in the preparation of nanoparticles as fuel cell catalysts. <i>Current Opinion in Chemical Engineering</i> , <b>2015</b> , 8, 89-97	5.4	21

51	Platin-Elektrokatalysatoren mit Kern-Schale-Nanostruktur. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 2726-2728	3.6	20
50	Synthesis and application of RuSe <sub>2</sub> + nanotubes as a methanol tolerant electrocatalyst for the oxygen reduction reaction. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 1024-1030		20
49	Electroforming of Copper Structures at Nanometer-Sized Gaps of Self-assembled Monolayers on Silver. <i>Chemistry of Materials</i> , <b>2002</b> , 14, 1385-1390	9.6	20
48	Design of bimetallic catalysts and electrocatalysts through the control of reactive environments. <i>Nano Today</i> , <b>2020</b> , 31, 100832	17.9	19
47	In situ ETEM study of composition redistribution in Pt-Ni octahedral catalysts for electrochemical reduction of oxygen. <i>AIChE Journal</i> , <b>2016</b> , 62, 399-407	3.6	19
46	Regioselective Atomic Rearrangement of Ag-Pt Octahedral Catalysts by Chemical Vapor-Assisted Treatment. <i>Nano Letters</i> , <b>2016</b> , 16, 7988-7992	11.5	19
45	Enhanced stability of (111)-surface-dominant core-shell nanoparticle catalysts towards the oxygen reduction reaction. <i>ChemSusChem</i> , <b>2013</b> , 6, 1888-92	8.3	18
44	Functionalized ultrathin palladium nanosheets as patches for HepG2 cancer cells. <i>Chemical Communications</i> , <b>2015</b> , 51, 14171-14174	5.8	17
43	W-Doped CaMnO <sub>2.5</sub> and CaMnO <sub>3</sub> Electrocatalysts for Enhanced Performance in Oxygen Evolution and Reduction Reactions. <i>Journal of the Electrochemical Society</i> , <b>2017</b> , 164, F1074-F1080	3.9	15
42	The roles of surface chemistry, dissolution rate, and delivered dose in the cytotoxicity of copper nanoparticles. <i>Nanoscale</i> , <b>2017</b> , 9, 4739-4750	7.7	14
41	In situ chemical vapor reaction in molten salts for preparation of platinum nanosheets via bubble breakage. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 12046		14
40	Energy transfer between colloidal semiconductor nanocrystals in an optical microcavity. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 061104	3.4	14
39	Dish-like higher-ordered palladium nanostructures through metal ion-ligand complexation. <i>Nano Research</i> , <b>2018</b> , 11, 3442-3452	10	13
38	Helical peanut-shaped poly(vinyl pyrrolidone) ribbons generated by electrospinning. <i>Polymer</i> , <b>2013</b> , 54, 6752-6759	3.9	12
37	Effects of dentin tubule occlusion by dentifrice containing a PVM/MA bioadhesive copolymer in a silica base. <i>Journal of Dentistry</i> , <b>2011</b> , 39, 293-301	4.8	12
36	Control of the composition of Pt-Ni electrocatalysts in surfactant-free synthesis using neat N-formylpiperidine. <i>Nanoscale</i> , <b>2016</b> , 8, 2548-53	7.7	11
35	Cobalt-Based Nonprecious Metal Catalysts Derived from Metal-Organic Frameworks for High-Rate Hydrogenation of Carbon Dioxide. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 27717-27726	9.5	11
34	Ultrathin and stable AgAu alloy nanowires. <i>Science China Materials</i> , <b>2015</b> , 58, 595-602	7.1	11

33	Supportless oxygen reduction electrocatalysts of CoCuPt hollow nanoparticles. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2010</b> , 368, 4261-74	3	10
32	Synthesis and electrocatalytic property of cubic and spherical nanoparticles of cobalt platinum alloys. <i>Frontiers of Chemical Engineering in China</i> , <b>2010</b> , 4, 45-51		10
31	Bound oxygen-atom transfer endows peroxidase-mimic M-N-C with high substrate selectivity. <i>Chemical Science</i> , <b>2021</b> , 12, 8865-8871	9.4	10
30	A Motif for Infinite Metal Atom Wires. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 14311-14315	3.6	9
29	Rhodium-on-Palladium Nanocatalysts for Selective Methanation of Carbon Dioxide. <i>ChemNanoMat</i> , <b>2017</b> , 3, 639-645	3.5	9
28	Identification of key regulatory pathways of myeloid differentiation using an mESC-based karyotypically normal cell model. <i>Blood</i> , <b>2012</b> , 120, 4712-9	2.2	9
27	Engineering Silver-Enriched Copper Core-Shell Electrocatalysts to Enhance the Production of Ethylene and C2+ Chemicals from Carbon Dioxide at Low Cell Potentials. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2101668	15.6	9
26	Study of the Durability of Faceted Pt3Ni OxygenReduction Electrocatalysts. <i>ChemCatChem</i> , <b>2012</b> , 4, 1572-1577	5.2	8
25	Imaging Shape-Dependent Corrosion Behavior of Pt Nanoparticles over Extended Time Using a Liquid Flow Cell and TEM. <i>Microscopy and Microanalysis</i> , <b>2014</b> , 20, 1508-1509	0.5	6
24	Dynamics of Transformation from Platinum Icosahedral Nanoparticles to Larger FCC Crystal at Millisecond Time Resolution. <i>Scientific Reports</i> , <b>2017</b> , 7, 17243	4.9	6
23	Zirconia coated carbonyl iron particle-based magnetorheological fluid for polishing <b>2009</b> ,		6
22	Quantitative Analysis of DNA-Mediated Formation of Metal Nanocrystals. <i>Journal of the American Chemical Society</i> , <b>2020</b> ,	16.4	6
21	Sequential Oxygen Reduction and Adsorption for Carbon Dioxide Purification for Flue Gas Applications. <i>Energy Technology</i> , <b>2019</b> , 7, 1800917	3.5	6
20	Self-Heating Approach to the Fast Production of Uniform Metal Nanostructures. <i>ChemNanoMat</i> , <b>2016</b> , 2, 37-41	3.5	5
19	Continuous Production of Carbon-Supported Cubic and Octahedral Platinum-Based Catalysts Using Conveyor Transport System. <i>Small</i> , <b>2016</b> , 12, 4808-4814	11	4
18	Polymer Entrapment Flash Pyrolysis for the Preparation of Nanoscale Iridium-Free Oxygen Evolution Electrocatalysts. <i>ChemNanoMat</i> , <b>2020</b> , 6, 930-936	3.5	3
17	Selective Reduction of Oxygen on Non-Noble Metal Copper Nanocatalysts. <i>Energy Technology</i> , <b>2020</b> , 8, 1901213	3.5	3
16	Dendritic nanostructured FeS-based high stability and capacity Li-ion cathodes.. <i>RSC Advances</i> , <b>2018</b> , 8, 38745-38750	3.7	2

15	Boosting the activity of non-platinum group metal electrocatalyst for the reduction of oxygen via dual-ligated atomically dispersed precursors immobilized on carbon supports. <i>Nano Energy</i> , <b>2021</b> , 106547	17.1	2
14	Catalytic Removal of Oxygen Impurities from Pressurized Oxy-Combustion Flue Gas for the Production of High-Purity Carbon Dioxide. <i>Energy &amp; Fuels</i> , <b>2022</b> , 36, 2701-2711	4.1	2
13	Thiol-ene photoimmobilization of chymotrypsin on polysiloxane gels for enzymatic peptide synthesis.. <i>RSC Advances</i> , <b>2018</b> , 8, 11843-11849	3.7	1
12	PM2.5 Pollution Level of Heavy Metals in Atmospheric Particles in Taiyuan. <i>Applied Mechanics and Materials</i> , <b>2015</b> , 737, 491-494	0.3	1
11	Oxidation of Fe Whiskers and Surface Diffusion Observed by Environmental TEM. <i>Microscopy and Microanalysis</i> , <b>2014</b> , 20, 1864-1865	0.5	1
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