

# Hua Chun Zeng

## 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.

252  
papers

22,027  
citations

75  
h-index

143  
g-index

267  
ext. papers

23,330  
ext. citations

8.5  
avg, IF

7.66  
L-index

#	Paper	IF	Citations
252	Strong coke-resistivity of spherical hollow Ni/SiO <sub>2</sub> catalysts with shell-confined high-content Ni nanoparticles for methane dry reforming with CO <sub>2</sub> . <i>Applied Catalysis B: Environmental</i> , <b>2022</b> , 310, 121360	21.8	1
251	Revamping SiO <sub>2</sub> Spheres by CoreShell Porosity Endowment to Construct a Mazelike Nanoreactor for Enhanced Catalysis in CO <sub>2</sub> Hydrogenation to Methanol (Adv. Funct. Mater. 47/2021). <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2170345	15.6	1
250	Assembly of Two-Dimensional Metal Organic Framework Superstructures via Solvent-Mediated Oriented Attachment. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 22837-22847	3.8	1
249	Versatile Hollow ZSM-5 Nanoreactors Loaded with Tailorable Metal Catalysts for Selective Hydrogenation Reactions. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 20524-20538	9.5	4
248	Antisolvent Route to Ultrathin Hollow Spheres of Cerium Oxide for Enhanced CO Oxidation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 20501-20510	9.5	3
247	Pt, Ir, Ru, and Rh Nanoparticles Supported on ZIF-67 Nanocubes for Evaluation of Hydrogen Spillover Ability of Noble Metals. <i>ACS Applied Nano Materials</i> , <b>2021</b> , 4, 6030-6044	5.6	5
246	Revamping SiO <sub>2</sub> Spheres by CoreShell Porosity Endowment to Construct a Mazelike Nanoreactor for Enhanced Catalysis in CO <sub>2</sub> Hydrogenation to Methanol. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2102896	15.6	2
245	TiO <sub>2</sub> /C tetragons with a double-side concave nanostructure and its high rate performance on Na-ion storage. <i>Applied Surface Science</i> , <b>2021</b> , 567, 150756	6.7	1
244	Pushing nanomaterials up to the kilogram scale An accelerated approach for synthesizing antimicrobial ZnO with high shear reactors, machine learning and high-throughput analysis. <i>Chemical Engineering Journal</i> , <b>2021</b> , 426, 131345	14.7	4
243	A Shell-by-Shell Approach for Synthesis of Mesoporous Multi-Shelled Hollow MOFs for Catalytic Applications. <i>Particle and Particle Systems Characterization</i> , <b>2020</b> , 37, 2000101	3.1	10
242	Design of hollow spherical Co@hsZSM5@metal dual-layer nanocatalysts for tandem CO <sub>2</sub> hydrogenation to increase C <sub>2</sub> + hydrocarbon selectivity. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 12757-12766	13.7	7
241	Minimalization of Metallic Pd Formation in Suzuki Reaction with a Solid-State Organometallic Catalyst. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 33827-33837	9.5	5
240	Scalable and precise synthesis of two-dimensional metal organic framework nanosheets in a high shear annular microreactor. <i>Chemical Engineering Journal</i> , <b>2020</b> , 388, 124133	14.7	9
239	Synthesis of Mesoporous Copper Aluminosilicate Hollow Spheres for Oxidation Reactions. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 23060-23075	9.5	7
238	Trimetal atoms confined in openly accessible nitrogen-doped carbon constructs for an efficient ORR. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 17266-17275	13	17
237	Confirmation of Suzuki-Miyaura Cross-Coupling Reaction Mechanism through Synthetic Architecture of Nanocatalysts. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 13823-13832	16.4	21
236	Hierarchy Concepts in Design and Synthesis of Nanocatalysts. <i>ChemCatChem</i> , <b>2020</b> , 12, 5303-5311	5.2	5

235	Mesoporous Silica Encapsulated Metal-Organic Frameworks for Heterogeneous Catalysis. <i>Matter</i> , <b>2020</b> , 3, 332-334	12.7	1
234	Hybrid OER Electrocatalyst Combining Mesoporous Hollow Spheres of N, P-Doped Carbon with Ultrafine CoNiO. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 50324-50332	9.5	7
233	Transformation of StBer Silica Spheres to Hollow Nanocatalysts. <i>ChemNanoMat</i> , <b>2020</b> , 6, 889-906	3.5	8
232	Low-Dimensional Metal-Organic Frameworks and their Diverse Functional Roles in Catalysis. <i>ChemCatChem</i> , <b>2019</b> , 11, 3138-3165	5.2	18
231	Synthetic Chemistry and Multifunctionality of an Amorphous Ni-MOF-74 Shell on a Ni/SiO <sub>2</sub> Hollow Catalyst for Efficient Tandem Reactions. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 5320-5330	9.6	41
230	A Hybrid Electrocatalyst with a Coordinatively Unsaturated Metal-Organic Framework Shell and Hollow NiS/NiS Core for Oxygen Evolution Reaction Applications. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 23180-23191	9.5	31
229	Transformation of StBer Silica Spheres to Hollow Hierarchical Single-Crystal ZSM-5 Zeolites with Encapsulated Metal Nanocatalysts for Selective Catalysis. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 14774-14785	9.5	32
228	Adsorption and On-Site Transformation of Transition Metal Cations on Ni-Doped AlOOH Nanoflowers for OER Electrocatalysis. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 5953-5962	8.3	10
227	Confined Transformation of UiO-66 Nanocrystals to Yttria-Stabilized Zirconia with Hierarchical Pore Structures for Catalytic Applications. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1903264	15.6	14
226	Promoting Electrocatalytic Oxygen Evolution over Transition-Metal Phosphide-Based Nanocomposites via Architectural and Electronic Engineering. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 46825-46838	9.5	17
225	Architecture and Preparation of Hollow Catalytic Devices. <i>Advanced Materials</i> , <b>2019</b> , 31, e1801104	24	76
224	3D Networks of CoFePi with Hierarchical Porosity for Effective OER Electrocatalysis. <i>Small</i> , <b>2018</b> , 14, e1704403	11	51
223	CoHPi Nanoflakes for Enhanced Oxygen Evolution Reaction. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 6288-6298	9.5	50
222	Bimetallic NiBe phosphide nanocomposites with a controlled architecture and composition enabling highly efficient electrochemical water oxidation. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 22311-22338	13.76	76
221	Architectural Designs and Synthetic Strategies of Advanced Nanocatalysts. <i>Advanced Materials</i> , <b>2018</b> , 30, e1802094	24	30
220	Formation Combined with Intercalation of Ni and Its Alloy Nanoparticles within Mesoporous Silica for Robust Catalytic Reactions. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 29435-29447	9.5	22
219	Constrained Growth of MoS <sub>2</sub> Nanosheets within a Mesoporous Silica Shell and Its Effects on Defect Sites and Catalyst Stability for H <sub>2</sub> S Decomposition. <i>ACS Catalysis</i> , <b>2018</b> , 8, 714-724	13.1	38
218	Hydrodynamic assembly of two-dimensional layered double hydroxide nanostructures. <i>Nature Communications</i> , <b>2018</b> , 9, 4913	17.4	24

217	Design and Synthesis of Supported Nanoscale Metal-Organic Frameworks: Transformation from Transition Metal Silicates. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 14979-14988	8.3	11
216	Lewis basicity generated by localised charge imbalance in noble metal nanoparticle-embedded defective metal-organic frameworks. <i>Nature Communications</i> , <b>2018</b> , 9, 4326	17.4	31
215	Hydrogen spillover through Matryoshka-type (ZIFs@)ZIFs nanocubes. <i>Nature Communications</i> , <b>2018</b> , 9, 3778	17.4	69
214	Three-Dimensional Hierarchical Multimetal-LDH Nanoflakes and Their Derived Spinel Oxides for Efficient Oxygen Evolution. <i>ACS Applied Energy Materials</i> , <b>2018</b> , 1, 4998-5007	6.1	6
213	Controllable integration of ultrasmall noble metal nanoparticles into mesoporous silica matrixes by a self-assembly method. <i>Chemical Communications</i> , <b>2018</b> , 54, 7030-7033	5.8	11
212	Sandwich-Like Nanocomposite of CoNiOx/Reduced Graphene Oxide for Enhanced Electrocatalytic Water Oxidation. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1606325	15.6	68
211	Synthetic Architecture of MgO/C Nanocomposite from Hierarchical-Structured Coordination Polymer toward Enhanced CO Capture. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 9592-9602	9.5	48
210	Advanced oxygen evolution catalysis by bimetallic Ni-Fe phosphide nanoparticles encapsulated in nitrogen, phosphorus, and sulphur tri-doped porous carbon. <i>Chemical Communications</i> , <b>2017</b> , 53, 6025-6028	5.8	41
209	Synthesis, Self-Assembly, Transformation, and Functionalization of Nanoscale Artificial Allophane Spherules for Catalytic Applications. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 6076-6086	9.6	8
208	Hierarchical Nanocomposite by the Integration of Reduced Graphene Oxide and Amorphous Carbon with Ultrafine MgO Nanocrystallites for Enhanced CO Capture. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 12998-13007	10.3	27
207	Topological Transformations of Core-Shell Precursors to Hierarchically Hollow Assemblages of Copper Silicate Nanotubes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 37210-37218	9.5	18
206	Defect Creation in HKUST-1 via Molecular Imprinting: Attaining Anionic Framework Property and Mesoporosity for Cation Exchange Applications. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1703765	15.6	45
205	ZIF-67-Derived Nanoreactors for Controlling Product Selectivity in CO <sub>2</sub> Hydrogenation. <i>ACS Catalysis</i> , <b>2017</b> , 7, 7509-7519	13.1	85
204	Silica nanowires encapsulated Ru nanoparticles as stable nanocatalysts for selective hydrogenation of CO <sub>2</sub> to CO. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 219, 580-591	21.8	40
203	A Synthetic Protocol for Preparation of Binary Multi-shelled Hollow Spheres and Their Enhanced Oxidation Application. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 10104-10112	9.6	38
202	Smart Nanocatalysts with Streamline Shapes. <i>ACS Central Science</i> , <b>2017</b> , 3, 794-799	16.8	16
201	Modification of Ammonia Decomposition Activity of Ruthenium Nanoparticles by N-Doping of CNT Supports. <i>Topics in Catalysis</i> , <b>2017</b> , 60, 1251-1259	2.3	20
200	Self-templating synthesis of hollow spheres of MOFs and their derived nanostructures. <i>Chemical Communications</i> , <b>2016</b> , 52, 11591-4	5.8	75

199	Immobilization of Metal-Organic Framework Nanocrystals for Advanced Design of Supported Nanocatalysts. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 29551-29564	9.5	45
198	An alternative synthetic approach for macro-meso-microporous metal-organic frameworks via a "domain growth" mechanism. <i>Chemical Communications</i> , <b>2016</b> , 52, 8432-5	5.8	28
197	Charge-Switchable Integrated Nanocatalysts for Substrate-Selective Degradation in Advanced Oxidation Processes. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 4572-4582	9.6	40
196	Alumina-Supported Metal Catalysts inside a Mesoporous Aluminum-Silicate Shell: Nanoscale Reactors Prepared through the Transformation of MIL-96(Al) Nanocrystals. <i>ChemCatChem</i> , <b>2016</b> , 8, 12832-12871 <sup>14</sup>	5.2	14
195	A General Synthetic Approach for Integrated Nanocatalysts of [email protected]. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 326-336	9.6	55
194	Alternative synthetic approaches for metal-organic frameworks: transformation from solid matters. <i>Chemical Communications</i> , <b>2016</b> , 53, 72-81	5.8	63
193	Transition-Metal-Ions-Induced Coalescence: Stitching Au Nanoclusters into Tubular Au-Based Nanocomposites. <i>Small</i> , <b>2016</b> , 12, 2652-64	11	11
192	Ultrafine Alloy Nanoparticles Converted from 2D Intercalated Coordination Polymers for Catalytic Application. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 5658-5668	15.6	33
191	Synthesis and Functionalization of Oriented Metal-Organic-Framework Nanosheets: Toward a Series of 2D Catalysts. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 3268-3281	15.6	181
190	Metal-Hydroxide and Gold-Nanocluster Interfaces: Enhancing Catalyst Activity and Stability for Oxygen Evolution Reaction. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 29348-29357	3.8	41
189	Integrated nanocatalysts with mesoporous silica/silicate and microporous MOF materials. <i>Coordination Chemistry Reviews</i> , <b>2016</b> , 320-321, 181-192	23.2	85
188	Kinetically Controlled Growth of Fine Gold Nanofractals from Au(I) via Indirect Galvanic Replacement Reaction. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 21552-61	9.5	8
187	Mesoporous bubble-like manganese silicate as a versatile platform for design and synthesis of nanostructured catalysts. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 1882-7	4.8	32
186	Monodisperse Aluminosilicate Spheres with Tunable Al/Si Ratio and Hierarchical Macro-Meso-Microporous Structure. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 13578-89	9.5	25
185	Structured Assemblages of Single-Walled 3d Transition Metal Silicate Nanotubes as Precursors for Composition-Tailorable Catalysts. <i>Chemistry of Materials</i> , <b>2015</b> , 27, 658-667	9.6	32
184	General Strategy for Preparation of Carbon-Nanotube-Supported Nanocatalysts with Hollow Cavities and Mesoporous Shells. <i>Chemistry of Materials</i> , <b>2015</b> , 27, 726-734	9.6	38
183	Mesoporous Niobium Oxide Spheres as an Effective Catalyst for the Transamidation of Primary Amides with Amines. <i>Advanced Synthesis and Catalysis</i> , <b>2014</b> , 356, 475-484	5.6	34
182	Synthesis of complex nanomaterials via Ostwald ripening. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 4843-4851 <sup>238</sup>	5.4	238

181	Armored MOFs: enforcing soft microporous MOF nanocrystals with hard mesoporous silica. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 5631-9	16.4	128
180	Integrated Networks of Mesoporous Silica Nanowires and Their Bifunctional Catalysis/Absorption Application for Oxidative Desulfurization. <i>ACS Catalysis</i> , <b>2014</b> , 4, 566-576	13.1	82
179	Nanobubbles within a microbubble: synthesis and self-assembly of hollow manganese silicate and its metal-doped derivatives. <i>ACS Nano</i> , <b>2014</b> , 8, 6407-16	16.7	69
178	General synthetic approach to heterostructured nanocrystals based on noble metals and I-VI, II-VI, and I-III-VI metal chalcogenides. <i>Langmuir</i> , <b>2014</b> , 30, 9838-49	4	25
177	Simultaneous synthesis and assembly of noble metal nanoclusters with variable micellar templates. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 13805-17	16.4	69
176	Synthesis and integration of Fe-soc-MOF cubes into colloidosomes via a single-step emulsion-based approach. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 10234-7	16.4	228
175	Ag nanoprisms with Ag <sub>2</sub> S attachment. <i>Scientific Reports</i> , <b>2013</b> , 3, 2177	4.9	52
174	Integrated nanocatalysts. <i>Accounts of Chemical Research</i> , <b>2013</b> , 46, 226-35	24.3	117
173	Surface and Bulk Integrations of Single-Layered Au or Ag Nanoparticles onto Designated Crystal Planes {110} or {100} of ZIF-8. <i>Chemistry of Materials</i> , <b>2013</b> , 25, 1761-1768	9.6	109
172	Protein-assisted synthesis of double-shelled CaCO <sub>3</sub> microcapsules and their mineralization with heavy metal ions. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 1945-52	4.8	22
171	Serial ionic exchange for the synthesis of multishelled copper sulfide hollow spheres. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 949-52	16.4	158
170	Mesoporous Co <sub>3</sub> O <sub>4</sub> and CoO@C Topotactically Transformed from Chrysanthemum-like Co(CO <sub>3</sub> ) <sub>0.5</sub> (OH)·1.1H <sub>2</sub> O and Their Lithium-Storage Properties. <i>Advanced Functional Materials</i> , <b>2012</b> , 22, 861-871	15.6	506
169	Preparation of a Ru-Nanoparticles/Defective-Graphene Composite as a Highly Efficient Arene-Hydrogenation Catalyst. <i>ChemCatChem</i> , <b>2012</b> , 4, 1938-1942	5.2	49
168	Self-generated etchant for synthetic sculpturing of Cu <sub>2</sub> O-Au, Cu <sub>2</sub> O@Au, Au/Cu <sub>2</sub> O, and 3D-Au nanostructures. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 14605-9	4.8	36
167	Nanotechnology for emerging applications. <i>Current Opinion in Chemical Engineering</i> , <b>2012</b> , 1, 89-90	5.4	2
166	Coordination chemistry and antisolvent strategy to rare-earth solid solution colloidal spheres. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 19084-91	16.4	35
165	Spontaneous Formations of Superlattices and Supracrystals from Various Forms of Mn <sub>3</sub> O <sub>4</sub> Nanocrystals. <i>Crystal Growth and Design</i> , <b>2012</b> , 12, 5561-5570	3.5	20
164	Targeted synthesis of silicomolybdic acid (Keggin acid) inside mesoporous silica hollow spheres for Friedel-Crafts alkylation. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 16235-46	16.4	100

163	Calcium carbonate nanotablets: bridging artificial to natural nacre. <i>Advanced Materials</i> , <b>2012</b> , 24, 6277-824	8.4	57
162	Synthetic Architecture of Multiple Core-Shell and Yolk-Shell Structures of $(\text{Cu}_2\text{S})_n\text{Cu}_2\text{O}$ ( $n = 1-4$ ) with Centricity and Eccentricity. <i>Chemistry of Materials</i> , <b>2012</b> , 24, 1917-1929	9.6	78
161	Preparation of Mo-Embedded Mesoporous Carbon Microspheres for Friedel-Crafts Alkylation. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 7767-7775	3.8	39
160	TiO <sub>2</sub> thin films prepared via adsorptive self-assembly for self-cleaning applications. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2012</b> , 4, 1093-102	9.5	82
159	Simultaneous Chemical Modification and Structural Transformation of Stober Silica Spheres for Integration of Nanocatalysts. <i>Chemistry of Materials</i> , <b>2012</b> , 24, 140-148	9.6	38
158	Highly monodisperse M(III)-based MOFs (M = In and Ga) with cubic and truncated cubic morphologies. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 13176-9	16.4	122
157	Serial Ionic Exchange for the Synthesis of Multishelled Copper Sulfide Hollow Spheres. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 973-976	3.6	27
156	Antisolvent Precipitation for the Synthesis of Monodisperse Mesoporous Niobium Oxide Spheres as Highly Effective Solid Acid Catalysts. <i>ChemCatChem</i> , <b>2012</b> , 4, 1675-1682	5.2	25
155	Self-Assembly: Calcium Carbonate Nanotablets: Bridging Artificial to Natural Nacre (Adv. Mater. 47/2012). <i>Advanced Materials</i> , <b>2012</b> , 24, 6252-6252	24	1
154	Synthesis and self-assembly of complex hollow materials. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 7511		133
153	Creation of Interior Space, Architecture of Shell Structure, and Encapsulation of Functional Materials for Mesoporous SiO <sub>2</sub> Spheres. <i>Chemistry of Materials</i> , <b>2011</b> , 23, 4886-4899	9.6	78
152	Preparation and integration of nanostructured titanium dioxide. <i>Current Opinion in Chemical Engineering</i> , <b>2011</b> , 1, 11-17	5.4	24
151	A direct method for ultrafine gold networks with nanometre scale ligaments. <i>International Journal of Nanotechnology</i> , <b>2011</b> , 8, 816	1.5	3
150	Site-specific growth of Au particles on ZnO nanopyramids under ultraviolet illumination. <i>Nanoscale</i> , <b>2011</b> , 3, 4195-200	7.7	56
149	Rapid synthesis of highly monodisperse Au(x)Ag(1-x) alloy nanoparticles via a half-seeding approach. <i>Langmuir</i> , <b>2011</b> , 27, 5633-43	4	21
148	Self-cleaning and antireflective packaging glass for solar modules. <i>Renewable Energy</i> , <b>2011</b> , 36, 2489-2493	9.1	116
147	Solution-Based Epitaxial Growth of Magnetically Responsive [email protected] Nanowires. <i>Chemistry of Materials</i> , <b>2010</b> , 22, 1282-1284	9.6	51
146	Synthesis, self-assembly, disassembly, and reassembly of two types of Cu <sub>2</sub> O nanocrystals uniaxially oriented with {001} or {110} planes. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 6131-44	16.4	237

145	Synthesis, morphological control, and antibacterial properties of hollow/solid Ag <sub>2</sub> S/Ag heterodimers. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 10771-85	16.4	298
144	Highly ordered self-assemblies of submicrometer Cu <sub>2</sub> O spheres and their hollow chalcogenide derivatives. <i>Langmuir</i> , <b>2010</b> , 26, 5963-70	4	95
143	Cobalt (hcp) nanofibers with pine-tree-leaf hierarchical superstructures. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 9187		10
142	Synthesis of new nanocrystal-polymer nanocomposite as the electron acceptor in polymer bulk heterojunction solar cells. <i>European Polymer Journal</i> , <b>2010</b> , 46, 634-642	5.2	17
141	Self-Assembled Au/TiO <sub>2</sub> /CNTs Ternary Nanocomposites for Photocatalytic Applications. <i>Science of Advanced Materials</i> , <b>2010</b> , 2, 503-513	2.3	21
140	Gold(I)-alkanethiolate nanotubes. <i>Advanced Materials</i> , <b>2009</b> , 21, 4962-4965	24	35
139	Direct growth of enclosed ZnO nanotubes. <i>Nano Research</i> , <b>2009</b> , 2, 201-209	10	69
138	Nanocomposites of Anatase/Polyaniline Prepared via Self-Assembly. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 8097-8106	3.8	28
137	Self-Assembled Hollow Spheres of Ni(OH) <sub>2</sub> and Their Derived Nanomaterials. <i>Chemistry of Materials</i> , <b>2009</b> , 21, 871-883	9.6	134
136	Morphogenesis of Highly Uniform CoCO <sub>3</sub> Submicrometer Crystals and Their Conversion to Mesoporous Co <sub>3</sub> O <sub>4</sub> for Gas-Sensing Applications. <i>Chemistry of Materials</i> , <b>2009</b> , 21, 4984-4992	9.6	179
135	Architectural Processes and Physicochemical Properties of CoO/ZnO and Zn <sub>1-x</sub> Co <sub>x</sub> O/Co <sub>1-y</sub> Zn <sub>y</sub> O Nanocomposites. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 1373-1385	3.8	27
134	Multifunctional Roles of TiO <sub>2</sub> Nanoparticles for Architecture of Complex Core/Shell and Hollow Spheres of SiO <sub>2</sub> /TiO <sub>2</sub> /Polyaniline System. <i>Chemistry of Materials</i> , <b>2009</b> , 21, 4811-4823	9.6	106
133	Carbon Nanotubes Supported Mesoporous Mesocrystals of Anatase TiO <sub>2</sub> . <i>Chemistry of Materials</i> , <b>2008</b> , 20, 2711-2718	9.6	180
132	Surfactant-mediated self-assembly of Au nanoparticles and their related conversion to complex mesoporous structures. <i>Langmuir</i> , <b>2008</b> , 24, 3740-6	4	27
131	Fabrication and surface properties of composite films of SAM/Pt/ZnO/SiO <sub>2</sub> . <i>Langmuir</i> , <b>2008</b> , 24, 14234-44	4	30
130	MESOSCALE SPHERICAL AND PLANAR ORGANIZATIONS OF GOLD NANOPARTICLES. <i>Functional Materials Letters</i> , <b>2008</b> , 01, 43-53	1.2	23
129	Nanostructured Catalysts <b>2008</b> , 2974-2985		
128	Hollow ZnO Microspheres with Complex Nanobuilding Units. <i>Chemistry of Materials</i> , <b>2007</b> , 19, 5824-5826	9.6	93



127	Symmetric Linear Assembly of Hourglass-like ZnO Nanostructures. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 2032-2039	3.8	54
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116	Synthetic architecture of interior space for inorganic nanostructures. <i>Journal of Materials Chemistry</i> , <b>2006</b> , 16, 649-662		436
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114	Template-free parallel one-dimensional assembly of gold nanoparticles. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 16812-5	3.4	29
113	Asymmetric ZnO nanostructures with an interior cavity. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 14736-43	4.3	48
112	Synthetic Architecture of Inorganic Nanomaterials <b>2006</b> , 25-56		
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109	Synthetic architectures of TiO <sub>2</sub> /H <sub>2</sub> Ti <sub>5</sub> O <sub>11</sub> .H <sub>2</sub> O, ZnO/H <sub>2</sub> Ti <sub>5</sub> O <sub>11</sub> .H <sub>2</sub> O, ZnO/TiO <sub>2</sub> /H <sub>2</sub> Ti <sub>5</sub> O <sub>11</sub> .H <sub>2</sub> O, and ZnO/TiO <sub>2</sub> nanocomposites. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 270-8	16.4	162
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103	Size Tuning, Functionalization, and Reactivation of Au in TiO <sub>2</sub> Nanoreactors. <i>Angewandte Chemie</i> , <b>2005</b> , 117, 4416-4419	3.6	52
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10	Photochemistry of adsorbed molecules. Part 10. Harpooning a fixed target: charge transfer from Ag or K substrates to halide adsorbates. <i>Faraday Discussions of the Chemical Society</i> , <b>1991</b> , 91, 451-463		28
9	Oxygen on Cu(100) surface structure studied by scanning tunneling microscopy and by low-energy-electron-diffraction multiple-scattering calculations. <i>Physical Review B</i> , <b>1990</b> , 42, 11926-11929	3.3	77
8	Low-energy electron-diffraction crystallographic determination for the Cu(110) <sub>2</sub> × 1-O surface structure. <i>Physical Review B</i> , <b>1990</b> , 41, 5432-5435	3.3	97
7	Further LEED investigations of missing row models for the surface structure. <i>Surface Science</i> , <b>1990</b> , 239, L571-L578	1.8	63
6	Investigation with low-energy electron diffraction of the adsorbate-induced metal relaxations in the Cu(100)-(2 × 2)-S surface structure. <i>Physical Review B</i> , <b>1989</b> , 39, 8000-8002	3.3	44
5	A further LEED study for the surface structure designated copper(100)-c(2 × 2)-nitrogen. <i>Langmuir</i> , <b>1989</b> , 5, 829-833	4	33
4	A leed crystallographic analysis for the Cu(100)c(2 × 2)-N surface structure. <i>Surface Science</i> , <b>1987</b> , 188, 599-608	1.8	57
3	A leed crystallographic analysis for the Cu(100)-(2 × 2)-S surface structure. <i>Surface Science</i> , <b>1986</b> , 177, 329-337	1.8	30
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