Hong Yang

List of Publications by Year in Descending Order

158 papers	18,259 citations	68 h-index	134 g-index
177 ext. papers	19,513 ext. citations	11.9 avg, IF	7.03 L-index

#	Paper	IF	Citations
158	Catalytic Removal of Oxygen Impurities from Pressurized Oxy-Combustion Flue Gas for the Production of High-Purity Carbon Dioxide. *Energy & Fuels*, **2022**, 36, 2701-2711	4.1	2
157	Regulating the electronic structures of mixed B-site pyrochlore to enhance the turnover frequency in water oxidation.. *Nano Convergence*, **2022**, 9, 22	9.2	0
156	Engineering Silver-Enriched Copper Core-Shell Electrocatalysts to Enhance the Production of Ethylene and C2+ Chemicals from Carbon Dioxide at Low Cell Potentials. *Advanced Functional Materials*, **2021**, 31, 2101668	15.6	9
155	Strong electrostatic adsorption approach to the synthesis of sub-three nanometer intermetallic platinum□obalt oxygen reduction catalysts. *Nano Energy*, **2021**, 79, 105465	17.1	23
154	Effects of Superparamagnetic Iron Nanoparticles on Electrocatalysts for the Reduction of Oxygen. *Inorganic Chemistry*, **2021**, 60, 4236-4242	5.1	1
153	Bound oxygen-atom transfer endows peroxidase-mimic M-N-C with high substrate selectivity. *Chemical Science*, **2021**, 12, 8865-8871	9.4	10
152	Using Magnetometry to Understand the Relative Role of Magnetic Particles in Co-Based Catalysts for the Oxygen Reduction Reaction. *Journal of Physical Chemistry C*, **2021**, 125, 17709-17717	3.8	0
151	Boosting the activity of non-platinum group metal electrocatalyst for the reduction of oxygen via dual-ligated atomically dispersed precursors immobilized on carbon supports. *Nano Energy*, **2021**, 106547	17.1	2
150	Polymer Entrapment Flash Pyrolysis for the Preparation of Nanoscale Iridium-Free Oxygen Evolution Electrocatalysts. *ChemNanoMat*, **2020**, 6, 930-936	3.5	3
149	Improving the High-Current-Density Performance of PEMFC through Much Enhanced Utilization of Platinum Electrocatalysts on Carbon. *ACS Applied Materials & Interfaces*, **2020**, 12, 26076-26083	9.5	22
148	Preparation of Nonprecious Metal Electrocatalysts for the Reduction of Oxygen Using a Low-Temperature Sacrificial Metal. *Journal of the American Chemical Society*, **2020**, 142, 5477-5481	16.4	62
147	Selective Reduction of Oxygen on Non-Noble Metal Copper Nanocatalysts. *Energy Technology*, **2020**, 8, 1901213	3.5	3
146	Design of bimetallic catalysts and electrocatalysts through the control of reactive environments. *Nano Today*, **2020**, 31, 100832	17.9	19
145	Quantitative Analysis of DNA-Mediated Formation of Metal Nanocrystals. *Journal of the American Chemical Society*, **2020**,	16.4	6
144	Effects of Particle Size on Mg Ion Intercalation into □MnO Cathode Materials. *Nano Letters*, **2019**, 19, 4712-4720	11.5	26
143	Cobalt-Based Nonprecious Metal Catalysts Derived from Metal-Organic Frameworks for High-Rate Hydrogenation of Carbon Dioxide. *ACS Applied Materials & Interfaces*, **2019**, 11, 27717-27726	9.5	11
142	Sequential Oxygen Reduction and Adsorption for Carbon Dioxide Purification for Flue Gas Applications. *Energy Technology*, **2019**, 7, 1800917	3.5	6

141	Direct Synthesis of H2O2on AgPt Octahedra: The Importance of AgPt Coordination for High H2O2Selectivity. *ACS Catalysis*, **2018**, 8, 2880-2889	13.1	38
140	Dish-like higher-ordered palladium nanostructures through metal ion-ligand complexation. *Nano Research*, **2018**, 11, 3442-3452	10	13
139	Thiol-ene photoimmobilization of chymotrypsin on polysiloxane gels for enzymatic peptide synthesis.. *RSC Advances*, **2018**, 8, 11843-11849	3.7	1
138	Progress in hydrogen production over transition metal carbide catalysts: challenges and opportunities. *Current Opinion in Chemical Engineering*, **2018**, 20, 68-77	5.4	24
137	Neighboring Pt Atom Sites in an Ultrathin FePt Nanosheet for the Efficient and Highly CO-Tolerant Oxygen Reduction Reaction. *Nano Letters*, **2018**, 18, 5905-5912	11.5	58
136	Single-Phase Pyrochlore Y2Ir2O7 Electrocatalyst on the Activity of Oxygen Evolution Reaction. *ACS Applied Energy Materials*, **2018**, 1, 3992-3998	6.1	34
135	Synergistic Effect of Segregated Pd and Au Nanoparticles on Semiconducting SiC for Efficient Photocatalytic Hydrogenation of Nitroarenes. *ACS Applied Materials & Interfaces*, **2018**, 10, 23029-23036	9.5	52
134	Dendritic nanostructured FeS-based high stability and capacity Li-ion cathodes.. *RSC Advances*, **2018**, 8, 38745-38750	3.7	2
133	A Porous Pyrochlore Y2[Ru1.6Y0.4]O7Electrocatalyst for Enhanced Performance towards the Oxygen Evolution Reaction in Acidic Media. *Angewandte Chemie*, **2018**, 130, 14073-14077	3.6	23
132	A Porous Pyrochlore Y [Ru Y]O Electrocatalyst for Enhanced Performance towards the Oxygen Evolution Reaction in Acidic Media. *Angewandte Chemie - International Edition*, **2018**, 57, 13877-13881	16.4	58
131	The roles of surface chemistry, dissolution rate, and delivered dose in the cytotoxicity of copper nanoparticles. *Nanoscale*, **2017**, 9, 4739-4750	7.7	14
130	Dissolution Kinetics of Oxidative Etching of Cubic and Icosahedral Platinum Nanoparticles Revealed by in Situ Liquid Transmission Electron Microscopy. *ACS Nano*, **2017**, 11, 1696-1703	16.7	65
129	Chemically controlled surface compositions of AgPt octahedral catalysts. *MRS Communications*, **2017**, 7, 179-182	2.7	
128	Porous Perovskite-Type Lanthanum Cobaltite as Electrocatalysts toward Oxygen Evolution Reaction. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 10910-10917	8.3	49
127	Quantitative Analysis of Different Formation Modes of Platinum Nanocrystals Controlled by Ligand Chemistry. *Nano Letters*, **2017**, 17, 6146-6150	11.5	43
126	Rhodium-on-Palladium Nanocatalysts for Selective Methanation of Carbon Dioxide. *ChemNanoMat*, **2017**, 3, 639-645	3.5	9
125	High-Performance Pyrochlore-Type Yttrium Ruthenate Electrocatalyst for Oxygen Evolution Reaction in Acidic Media. *Journal of the American Chemical Society*, **2017**, 139, 12076-12083	16.4	202
124	W-Doped CaMnO2.5and CaMnO3Electrocatalysts for Enhanced Performance in Oxygen Evolution and Reduction Reactions. *Journal of the Electrochemical Society*, **2017**, 164, F1074-F1080	3.9	15

123	Dynamics of Transformation from Platinum Icosahedral Nanoparticles to Larger FCC Crystal at Millisecond Time Resolution. *Scientific Reports*, **2017**, 7, 17243	4.9	6
122	Visible-Light-Driven Selective Photocatalytic Hydrogenation of Cinnamaldehyde over Au/SiC Catalysts. *Journal of the American Chemical Society*, **2016**, 138, 9361-4	16.4	184
121	Catalysts: Continuous Production of Carbon-Supported Cubic and Octahedral Platinum-Based Catalysts Using Conveyor Transport System (Small 35/2016). *Small*, **2016**, 12, 4807-4807	11	
120	Control of the composition of Pt-Ni electrocatalysts in surfactant-free synthesis using neat N-formylpiperidine. *Nanoscale*, **2016**, 8, 2548-53	7.7	11
119	Therapeutic target database update 2016: enriched resource for bench to clinical drug target and targeted pathway information. *Nucleic Acids Research*, **2016**, 44, D1069-74	20.1	193
118	In Situ Observation of Pt Icosahedral Nanoparticles Transformation into FCC Single Crystal. *Microscopy and Microanalysis*, **2016**, 22, 766-767	0.5	
117	In situ ETEM study of composition redistribution in Pt-Ni octahedral catalysts for electrochemical reduction of oxygen. *AICHE Journal*, **2016**, 62, 399-407	3.6	19
116	Regioselective Atomic Rearrangement of Ag-Pt Octahedral Catalysts by Chemical Vapor-Assisted Treatment. *Nano Letters*, **2016**, 16, 7988-7992	11.5	19
115	Ag-Pt Compositional Intermetallics Made from Alloy Nanoparticles. *Nano Letters*, **2016**, 16, 6599-6603	11.5	28
114	Continuous Production of Carbon-Supported Cubic and Octahedral Platinum-Based Catalysts Using Conveyor Transport System. *Small*, **2016**, 12, 4808-4814	11	4
113	Self-Heating Approach to the Fast Production of Uniform Metal Nanostructures. *ChemNanoMat*, **2016**, 2, 37-41	3.5	5
112	Growth of Au on Pt icosahedral nanoparticles revealed by low-dose in situ TEM. *Nano Letters*, **2015**, 15, 2711-5	11.5	90
111	Functionalized ultrathin palladium nanosheets as patches for HepG2 cancer cells. *Chemical Communications*, **2015**, 51, 14171-14174	5.8	17
110	Epitaxial Growth of Twinned Au-Pt Core-Shell Star-Shaped Decahedra as Highly Durable Electrocatalysts. *Nano Letters*, **2015**, 15, 7808-15	11.5	168
109	Toward Ending the Guessing Game: Study of the Formation of Nanostructures Using In Situ Liquid Transmission Electron Microscopy. *Journal of Physical Chemistry Letters*, **2015**, 6, 5051-61	6.4	27
108	PM2.5 Pollution Level of Heavy Metals in Atmospheric Particles in Taiyuan. *Applied Mechanics and Materials*, **2015**, 737, 491-494	0.3	1
107	Recent development in the preparation of nanoparticles as fuel cell catalysts. *Current Opinion in Chemical Engineering*, **2015**, 8, 89-97	5.4	21
106	Ultrathin and stable AgAu alloy nanowires. *Science China Materials*, **2015**, 58, 595-602	7.1	11

105	Hanoi tower-like multilayered ultrathin palladium nanosheets. *Nano Letters*, **2014**, 14, 7188-94	11.5	98
104	2 Catalyst Membranes Fabricated by Electrospinning and Atomic Layer Deposition. *ACS Catalysis*, **2014**, 4, 144-151	13.1	74
103	CaMnO as oxygen-deficient perovskite electrocatalyst for oxygen evolution reaction. *Journal of the American Chemical Society*, **2014**, 136, 14646-9	16.4	353
102	Higher-order nanostructures of two-dimensional palladium nanosheets for fast hydrogen sensing. *Nano Letters*, **2014**, 14, 5953-9	11.5	72
101	Facile synthesis of Rh-Pd alloy nanodendrites as highly active and durable electrocatalysts for oxygen reduction reaction. *Nanoscale*, **2014**, 6, 7012-8	7.7	47
100	A Motif for Infinite Metal Atom Wires. *Angewandte Chemie*, **2014**, 126, 14311-14315	3.6	9
99	Imaging Shape-Dependent Corrosion Behavior of Pt Nanoparticles over Extended Time Using a Liquid Flow Cell and TEM. *Microscopy and Microanalysis*, **2014**, 20, 1508-1509	0.5	6
98	A motif for infinite metal atom wires. *Angewandte Chemie - International Edition*, **2014**, 53, 14087-91	16.4	24
97	Oxidation of Fe Whiskers and Surface Diffusion Observed by Environmental TEM. *Microscopy and Microanalysis*, **2014**, 20, 1864-1865	0.5	1
96	Helical peanut-shaped poly(vinyl pyrrolidone) ribbons generated by electrospinning. *Polymer*, **2013**, 54, 6752-6759	3.9	12
95	Synthesis of colloidal metal and metal alloy nanoparticles for electrochemical energy applications. *Chemical Society Reviews*, **2013**, 42, 2880-904	58.5	445
94	Electrospun fibers as a scaffolding platform for bone tissue repair. *Journal of Orthopaedic Research*, **2013**, 31, 1382-9	3.8	62
93	Platinum-based oxygen reduction electrocatalysts. *Accounts of Chemical Research*, **2013**, 46, 1848-57	24.3	774
92	Highly uniform platinum icosahedra made by hot injection-assisted GRAILS method. *Nano Letters*, **2013**, 13, 2870-4	11.5	150
91	Enhanced stability of (111)-surface-dominant core-shell nanoparticle catalysts towards the oxygen reduction reaction. *ChemSusChem*, **2013**, 6, 1888-92	8.3	18
90	Identification of key regulatory pathways of myeloid differentiation using an mESC-based karyotypically normal cell model. *Blood*, **2012**, 120, 4712-9	2.2	9
89	Icosahedral platinum alloy nanocrystals with enhanced electrocatalytic activities. *Journal of the American Chemical Society*, **2012**, 134, 11880-3	16.4	445
88	Synthesis and Catalytic Properties of Silver Nanoparticle–linear Polyethylene Imine Colloidal Systems. *Journal of Physical Chemistry C*, **2012**, 116, 4594-4604	3.8	73

87	In situ chemical vapor reaction in molten salts for preparation of platinum nanosheets via bubble breakage. *Journal of Materials Chemistry*, **2012**, 22, 12046		14
86	Surface lattice-engineered bimetallic nanoparticles and their catalytic properties. *Chemical Society Reviews*, **2012**, 41, 8066-74	58.5	215
85	Effects of surface chemistry on the generation of reactive oxygen species by copper nanoparticles. *ACS Nano*, **2012**, 6, 2157-64	16.7	116
84	Study of the Durability of Faceted Pt3Ni Oxygen Reduction Electrocatalysts. *ChemCatChem*, **2012**, 4, 1572-1577	5.2	8
83	Shape and composition-controlled platinum alloy nanocrystals using carbon monoxide as reducing agent. *Nano Letters*, **2011**, 11, 798-802	11.5	407
82	Effects of dentin tubule occlusion by dentifrice containing a PVM/MA bioadhesive copolymer in a silica base. *Journal of Dentistry*, **2011**, 39, 293-301	4.8	12
81	Rheology of Aqueous Magnetorheological Fluid Using Dual Oxide-Coated Carbonyl Iron Particles. *Journal of the American Ceramic Society*, **2011**, 94, 2386-2392	3.8	34
80	Lattice contracted AgPt nanoparticles. *Chemical Communications*, **2011**, 47, 12595-7	5.8	25
79	Synthesis and electrocatalytic oxygen reduction properties of truncated octahedral Pt3Ni nanoparticles. *Nano Research*, **2011**, 4, 72-82	10	72
78	Platin-Elektrokatalysatoren mit Kern-Schale-Nanostruktur. *Angewandte Chemie*, **2011**, 123, 2726-2728	3.6	20
77	Platinum-based electrocatalysts with core-shell nanostructures. *Angewandte Chemie - International Edition*, **2011**, 50, 2674-6	16.4	255
76	Integrated biochemical and mechanical signals regulate multifaceted human embryonic stem cell functions. *Journal of Cell Biology*, **2010**, 191, 631-44	7.3	112
75	Truncated octahedral Pt(3)Ni oxygen reduction reaction electrocatalysts. *Journal of the American Chemical Society*, **2010**, 132, 4984-5	16.4	459
74	Synthesis and Oxygen Reduction Electrocatalytic Property of Platinum Hollow and Platinum-on-Silver Nanoparticles *Chemistry of Materials*, **2010**, 22, 1098-1106	9.6	138
73	Composition-dependent formation of platinum silver nanowires. *ACS Nano*, **2010**, 4, 1501-10	16.7	126
72	Electrochemical synthesis and catalytic property of sub-10 nm platinum cubic nanoboxes. *Nano Letters*, **2010**, 10, 1492-6	11.5	123
71	Supportless oxygen reduction electrocatalysts of CoCuPt hollow nanoparticles. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2010**, 368, 4261-74	3	10
70	Synthesis and electrocatalytic property of cubic and spherical nanoparticles of cobalt platinum alloys. *Frontiers of Chemical Engineering in China*, **2010**, 4, 45-51		10

69	An Electrochemical Approach to PtAg Alloy Nanostructures Rich in Pt at the Surface. *Advanced Functional Materials*, **2010**, 20, 3734-3741	15.6	99
68	Magnetic-field-assisted electrospinning of aligned straight and wavy polymeric nanofibers. *Advanced Materials*, **2010**, 22, 2454-7	24	182
67	Synthesis and corrosion study of zirconia-coated carbonyl iron particles. *Journal of Colloid and Interface Science*, **2010**, 342, 49-56	9.3	31
66	Noble-Metal Nanotubes Prepared via a Galvanic Replacement Reaction Between Cu Nanowires and Aqueous HAuCl4, H2PtCl6, or Na2PdCl4. *Science of Advanced Materials*, **2010**, 2, 413-420	2.3	44
65	Zirconia coated carbonyl iron particle-based magnetorheological fluid for polishing **2009**,		6
64	Synthesis of iron oxide nanorods and nanocubes in an imidazolium ionic liquid. *Chemical Engineering Journal*, **2009**, 147, 71-78	14.7	54
63	PtAu bimetallic heteronanostructures made by post-synthesis modification of Pt-on-Au nanoparticles. *Nano Research*, **2009**, 2, 406-415	10	120
62	Designer platinum nanoparticles: Control of shape, composition in alloy, nanostructure and electrocatalytic property. *Nano Today*, **2009**, 4, 143-164	17.9	925
61	Zirconia-coated carbonyl-iron-particle-based magnetorheological fluid for polishing optical glasses and ceramics. *Applied Optics*, **2009**, 48, 6797-810	0.2	50
60	Synthesis and oxygen reduction electrocatalytic property of Pt-on-Pd bimetallic heteronanostructures. *Journal of the American Chemical Society*, **2009**, 131, 7542-3	16.4	565
59	Synthesis and application of RuSe2 + □anotubes as a methanol tolerant electrocatalyst for the oxygen reduction reaction. *Journal of Materials Chemistry*, **2009**, 19, 1024-1030		20
58	SURFACE MODIFICATIONS AND APPLICATIONS OF MAGNETIC AND SELECTIVE NONMAGNETIC NANOPARTICLES. *Annual Review of Nano Research*, **2009**, 83-147		
57	Silane-based poly(ethylene glycol) as a primer for surface modification of nonhydrolytically synthesized nanoparticles using the St□er method. *Langmuir*, **2008**, 24, 11189-95	4	24
56	Direct Oxidation of Methanol on Pt Nanostructures Supported on Electrospun Nanofibers of Anatase. *Journal of Physical Chemistry C*, **2008**, 112, 9970-9975	3.8	92
55	Electrocatalytic properties of Pt nanowires supported on Pt and W gauzes. *ACS Nano*, **2008**, 2, 2167-73	16.7	104
54	Platinum Lead Nanostructures: Formation, Phase Behavior, and Electrocatalytic Properties. *Advanced Functional Materials*, **2008**, 18, 2745-2753	15.6	43
53	Ag□t alloy nanoparticles with the compositions in the miscibility gap. *Journal of Solid State Chemistry*, **2008**, 181, 1546-1551	3.3	76
52	Multipods and Dendritic Nanoparticles of Platinum: Colloidal Synthesis and Electrocatalytic Property **2008**, 307-320		1

51	Synthesis of iron oxide nanoparticles using a freshly-made or recycled imidazolium-based ionic liquid. *Green Chemistry*, **2007**, 9, 1051	10	69
50	Three-Dimensional PtRu Nanostructures. *Chemistry of Materials*, **2007**, 19, 36-41	9.6	116
49	Growing Pt nanowires as a densely packed array on metal gauze. *Journal of the American Chemical Society*, **2007**, 129, 10634-5	16.4	168
48	Roles of Twin Defects in the Formation of Platinum Multipod Nanocrystals. *Journal of Physical Chemistry C*, **2007**, 111, 14312-14319	3.8	129
47	Superparamagnetic Colloids: Controlled Synthesis and Niche Applications. *Advanced Materials*, **2007**, 19, 33-60	24	813
46	Testing Nanomaterials of Unknown Toxicity: An Example Based on Platinum Nanoparticles of Different Shapes. *Advanced Materials*, **2007**, 19, 3124-3129	24	83
45	Synthesis and characterization of ordered intermetallic PtPb nanorods. *Journal of the American Chemical Society*, **2007**, 129, 8684-5	16.4	146
44	Energy transfer between colloidal semiconductor nanocrystals in an optical microcavity. *Applied Physics Letters*, **2006**, 89, 061104	3.4	14
43	Planar tripods of platinum: formation and self-assembly. *Physical Chemistry Chemical Physics*, **2006**, 8, 4660-3	3.6	60
42	Oleic acid as the capping agent in the synthesis of noble metal nanoparticles in imidazolium-based ionic liquids. *Chemical Communications*, **2006**, 2545-7	5.8	87
41	Synthesis of porous platinum nanoparticles. *Small*, **2006**, 2, 249-53	11	221
40	Synthesis of magnetic nanocomposites and alloys from platinum-iron oxide core-shell nanoparticles. *Nanotechnology*, **2005**, 16, S554-61	3.4	37
39	Synthesis of platinum multipods: an induced anisotropic growth. *Nano Letters*, **2005**, 5, 885-91	11.5	260
38	Synthesis of CoPt nanorods in ionic liquids. *Journal of the American Chemical Society*, **2005**, 127, 5316-7	16.4	301
37	Porous Nanoparticle Membranes: Synthesis and Application as Fuel-Cell Catalysts. *Advanced Materials*, **2005**, 17, 2237-2241	24	66
36	Principles for characterizing the potential human health effects from exposure to nanomaterials: elements of a screening strategy. *Particle and Fibre Toxicology*, **2005**, 2, 8	8.4	1418
35	Effects of surfactants and synthetic conditions on the sizes and self-assembly of monodisperse iron oxide nanoparticles. *Journal of Materials Chemistry*, **2004**, 14, 774		172
34	Fabrication of Magnetic FePt Patterns from Langmuir–Blodgett Films of Platinum–Iron Oxide Core–Shell Nanoparticles. *Advanced Materials*, **2004**, 16, 1337-1341	24	45

33	Overpressure Contact Printing. *Nano Letters*, **2004**, 4, 1657-1662	11.5	38
32	Synthesis of Silver Nanoparticles in a Continuous Flow Tubular Microreactor. *Nano Letters*, **2004**, 4, 2227-2232	11.5	217
31	Pulling Nanoparticles into Water: Phase Transfer of Oleic Acid Stabilized Monodisperse Nanoparticles into Aqueous Solutions of Cyclodextrin. *Nano Letters*, **2003**, 3, 1555-1559	11.5	266
30	Synthesis of face-centered tetragonal FePt nanoparticles and granular films from Pt@Fe2O3 core-shell nanoparticles. *Journal of the American Chemical Society*, **2003**, 125, 14559-63	16.4	160
29	Nanopillar Arrays of Glassy Carbon by Anodic Aluminum Oxide Nanoporous Templates. *Nano Letters*, **2003**, 3, 439-442	11.5	72
28	Solvent-Free Atom Transfer Radical Polymerization in the Synthesis of Fe2O3@Polystyrene Core Shell Nanoparticles. *Nano Letters*, **2003**, 3, 789-793	11.5	222
27	Patterned langmuir-blodgett films of monodisperse nanoparticles of iron oxide using soft lithography. *Journal of the American Chemical Society*, **2003**, 125, 630-1	16.4	217
26	Direct Synthesis of Narrowly Dispersed Silver Nanoparticles Using a Single-Source Precursor. *Langmuir*, **2003**, 19, 10081-10085	4	179
25	Computational Study on Surface Structure and Crystal Morphology of Fe2O3: Toward Deterministic Synthesis of Nanocrystals. *Journal of Physical Chemistry B*, **2003**, 107, 14357-14364	3.4	33
24	Platinum-Maghemite Core Shell Nanoparticles Using a Sequential Synthesis. *Nano Letters*, **2003**, 3, 261-264	11.5	370
23	Surface patterns of tetragonal phase FePt thin films from Pt@Fe2O3 core-shell nanoparticles using combined Langmuir-Blodgett and soft lithographic techniques. *Materials Research Society Symposia Proceedings*, **2003**, 776, 1071		
22	Electroforming of Copper Structures at Nanometer-Sized Gaps of Self-assembled Monolayers on Silver. *Chemistry of Materials*, **2002**, 14, 1385-1390	9.6	20
21	Fabrication of High Performance Ceramic Microstructures from a Polymeric Precursor Using Soft Lithography. *Advanced Materials*, **2001**, 13, 54-58	24	106
20	Modeling of Menisci and Capillary Forces from the Millimeter to the Micrometer Size Range. *Journal of Physical Chemistry B*, **2001**, 105, 404-412	3.4	75
19	Morphokinetics: Growth of Mesoporous Silica Curved Shapes. *Advanced Materials*, **1999**, 11, 52-55	24	73
18	Photoluminescent Silicon Clusters in Oriented Hexagonal Mesoporous Silica Film. *Advanced Materials*, **1999**, 11, 474-480	24	77
17	Radial Patterns in Mesoporous Silica. *Advanced Materials*, **1999**, 11, 636-642	24	60
16	Fabrication of Ordered Two-Dimensional Arrays of Micro- and Nanoparticles Using Patterned Self-Assembled Monolayers as Templates. *Advanced Materials*, **1999**, 11, 1433-1437	24	127

15	Thickness control and defects in oriented mesoporous silica films. *Journal of Materials Chemistry*, **1998**, 8, 1205-1211		57
14	Synthesis of mesoporous silica spheres under quiescent aqueous acidic conditions. *Journal of Materials Chemistry*, **1998**, 8, 743-750		166
13	Nucleation, growth and form of mesoporous silica: role of defects and a language of shape. *Studies in Surface Science and Catalysis*, **1998**, 119-127	1.8	22
12	Free-standing mesoporous silica films; morphogenesis of channel andsurface patterns. *Journal of Materials Chemistry*, **1997**, 7, 1755-1761		69
11	Blueprints for inorganic materials with natural form: inorganic liquid crystals and a language of inorganic shape *Journal of the Chemical Society Dalton Transactions*, **1997**, 3941-3952		42
10	Morphogenesis of shapes and surface patterns in mesoporous silica. *Nature*, **1997**, 386, 692-695	50.4	596
9	Registered growth of mesoporous silica films on graphite. *Journal of Materials Chemistry*, **1997**, 7, 1285-1290		100
8	Shell mimetics. *Advanced Materials*, **1997**, 9, 662-667	24	92
7	Mesoporous silica with micrometer-scale designs. *Advanced Materials*, **1997**, 9, 811-814	24	84
6	Beyond the hemicylindrical micellar monolayer on graphite: AFM evidence for a lyotropic liquid crystal film. *Advanced Materials*, **1997**, 9, 917-921	24	27
5	Effect of Amino Acid Coinclusion on the Complexation of Pyrene with Cyclodextrin. *The Journal of Physical Chemistry*, **1996**, 100, 14533-14539		38
4	Synthesis of oriented films of mesoporous silica on mica. *Nature*, **1996**, 379, 703-705	50.4	625
3	Free-standing and oriented mesoporous silica films grown at the airwater interface. *Nature*, **1996**, 381, 589-592	50.4	493
2	Chiral discrimination in the fluorescence quenching of pyrene complexed to cyclodextrin. *Journal of Photochemistry and Photobiology A: Chemistry*, **1995**, 86, 209-217	4.7	37
1	Chemical Synthesis of Nanoscale Heterogeneous Catalysts9-29		