

# Chung-Yuan Mou

## List of Publications by Citations

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305  
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21,139  
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74  
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136  
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321  
ext. papers

22,633  
ext. citations

6.5  
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6.9  
L-index

#	Paper	IF	Citations
305	Synthesis of mesoporous silica nanoparticles. <i>Chemical Society Reviews</i> , <b>2013</b> , 42, 3862-75	58.5	976
304	Size effect on cell uptake in well-suspended, uniform mesoporous silica nanoparticles. <i>Small</i> , <b>2009</b> , 5, 1408-13	11	766
303	The effect of surface charge on the uptake and biological function of mesoporous silica nanoparticles in 3T3-L1 cells and human mesenchymal stem cells. <i>Biomaterials</i> , <b>2007</b> , 28, 2959-66	15.6	521
302	Fabrication of Tunable Superhydrophobic Surfaces by Nanosphere Lithography. <i>Chemistry of Materials</i> , <b>2004</b> , 16, 561-564	9.6	483
301	Bifunctional magnetic silica nanoparticles for highly efficient human stem cell labeling. <i>Nano Letters</i> , <b>2007</b> , 7, 149-54	11.5	457
300	Pressure dependence of fragile-to-strong transition and a possible second critical point in supercooled confined water. <i>Physical Review Letters</i> , <b>2005</b> , 95, 117802	7.4	400
299	Strong metal-support interactions between gold nanoparticles and ZnO nanorods in CO oxidation. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 10251-8	16.4	398
298	Well-Ordered Mesoporous Silica Nanoparticles as Cell Markers. <i>Chemistry of Materials</i> , <b>2005</b> , 17, 4570-4578	17.9	395
297	Mesoporous materials for encapsulating enzymes. <i>Nano Today</i> , <b>2009</b> , 4, 165-179	17.9	380
296	Structural and morphological control of cationic surfactant-templated mesoporous silica. <i>Accounts of Chemical Research</i> , <b>2002</b> , 35, 927-35	24.3	355
295	Synergistic effect in an Au-Ag alloy nanocatalyst: CO oxidation. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 40-3	3.4	325
294	Multifunctional Composite Nanoparticles: Magnetic, Luminescent, and Mesoporous. <i>Chemistry of Materials</i> , <b>2006</b> , 18, 5170-5172	9.6	304
293	A novel efficient Au-Ag alloy catalyst system: preparation, activity, and characterization. <i>Journal of Catalysis</i> , <b>2005</b> , 233, 186-197	7.3	301
292	Intracellular pH-responsive mesoporous silica nanoparticles for the controlled release of anticancer chemotherapeutics. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 8214-9	16.4	290
291	Probing bright and dark surface-plasmon modes in individual and coupled noble metal nanoparticles using an electron beam. <i>Nano Letters</i> , <b>2009</b> , 9, 399-404	11.5	286
290	Mesoporous silica nanoparticles as nanocarriers. <i>Chemical Communications</i> , <b>2011</b> , 47, 9972-85	5.8	277
289	Au-Cu Alloy nanoparticles confined in SBA-15 as a highly efficient catalyst for CO oxidation. <i>Chemical Communications</i> , <b>2008</b> , 3187-9	5.8	269

288	Near-Infrared Mesoporous Silica Nanoparticles for Optical Imaging: Characterization and In Vivo Biodistribution. <i>Advanced Functional Materials</i> , <b>2009</b> , 19, 215-222	15.6	262
287	The violation of the Stokes-Einstein relation in supercooled water. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 12974-8	11.5	252
286	Surface charge-mediated rapid hepatobiliary excretion of mesoporous silica nanoparticles. <i>Biomaterials</i> , <b>2010</b> , 31, 5564-74	15.6	243
285	Evidence of the existence of the low-density liquid phase in supercooled, confined water. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 424-8	11.5	243
284	Synthesis of Thermally Stable and Highly Active Bimetallic AuAg Nanoparticles on Inert Supports. <i>Chemistry of Materials</i> , <b>2009</b> , 21, 410-418	9.6	239
283	Highly ordered mesoporous silica films with perpendicular mesochannels by a simple Stober-solution growth approach. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 2173-7	16.4	233
282	Highly efficient cellular labeling of mesoporous nanoparticles in human mesenchymal stem cells: implication for stem cell tracking. <i>FASEB Journal</i> , <b>2005</b> , 19, 2014-6	0.9	233
281	Structural changes of AuCu bimetallic catalysts in CO oxidation: In situ XRD, EPR, XANES, and FT-IR characterizations. <i>Journal of Catalysis</i> , <b>2011</b> , 278, 288-296	7.3	232
280	Evolution of catalytic activity of Au-Ag bimetallic nanoparticles on mesoporous support for CO oxidation. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 18860-7	3.4	209
279	Monoclonal antibody-functionalized mesoporous silica nanoparticles (MSN) for selective targeting breast cancer cells. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 5737		208
278	The anomalous behavior of the density of water in the range 30 K <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 18387-91	11.5	185
277	Efficient and Durable Au Alloyed Pd Single-Atom Catalyst for the Ullmann Reaction of Aryl Chlorides in Water. <i>ACS Catalysis</i> , <b>2014</b> , 4, 1546-1553	13.1	184
276	Multifunctional mesoporous silica nanoparticles for intracellular labeling and animal magnetic resonance imaging studies. <i>ChemBioChem</i> , <b>2008</b> , 9, 53-7	3.8	183
275	Tri-functionalization of mesoporous silica nanoparticles for comprehensive cancer theranostics: the trio of imaging, targeting and therapy. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 6149		180
274	In vitro Studies of Functionalized Mesoporous Silica Nanoparticles for Photodynamic Therapy. <i>Advanced Materials</i> , <b>2009</b> , 21, 172-177	24	180
273	Mesoporous silica nanoparticles as a delivery system of gadolinium for effective human stem cell tracking. <i>Small</i> , <b>2008</b> , 4, 1445-52	11	180
272	High-contrast paramagnetic fluorescent mesoporous silica nanorods as a multifunctional cell-imaging probe. <i>Small</i> , <b>2008</b> , 4, 186-91	11	179
271	Catalysis by gold: New insights into the support effect. <i>Nano Today</i> , <b>2013</b> , 8, 403-416	17.9	177

270	Synthesis and Characterization of Positive-Charge Functionalized Mesoporous Silica Nanoparticles for Oral Drug Delivery of an Anti-Inflammatory Drug. <i>Advanced Functional Materials</i> , <b>2008</b> , 18, 3283-3292	15.6	169
269	Catalytic nano-rattle of Au@hollow silica: towards a poison-resistant nanocatalyst. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 789-794		165
268	One-dimensional metal string complexes. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2000</b> , 209, 80-83	2.8	165
267	Extensive Void Defects in Mesoporous Aluminosilicate MCM-41. <i>Journal of Physical Chemistry B</i> , <b>2000</b> , 104, 8967-8975	3.4	151
266	CO Oxidation Catalyzed by AuAg Bimetallic Nanoparticles Supported in Mesoporous Silica. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 17831-17839	3.8	145
265	Understanding the synergistic effects of gold bimetallic catalysts. <i>Journal of Catalysis</i> , <b>2013</b> , 308, 258-271	3.3	143
264	Synthesis of hollow silica nanospheres with a microemulsion as the template. <i>Chemical Communications</i> , <b>2009</b> , 3542-4	5.8	141
263	Solid-state NMR study of the transformation of octacalcium phosphate to hydroxyapatite: a mechanistic model for central dark line formation. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 6909-18	16.4	136
262	Electropolymerization of Starburst Triarylaminines and Their Application to Electrochromism and Electroluminescence. <i>Chemistry of Materials</i> , <b>2004</b> , 16, 654-661	9.6	133
261	Hierarchical Order in Hollow Spheres of Mesoporous Silicates. <i>Chemistry of Materials</i> , <b>1998</b> , 10, 3772-3776	6.6	133
260	Mesoporous silica nanoparticles functionalized with an oxygen-sensing probe for cell photodynamic therapy: potential cancer theranostics. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 1252		131
259	CO oxidation over gold nanocatalyst confined in mesoporous silica. <i>Applied Catalysis A: General</i> , <b>2005</b> , 284, 199-206	5.1	131
258	Direct Synthesis of Mesoporous Sulfated Silica-Zirconia Catalysts with High Catalytic Activity for Biodiesel via Esterification. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 18731-18737	3.8	130
257	A new strategy for intracellular delivery of enzyme using mesoporous silica nanoparticles: superoxide dismutase. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 1516-23	16.4	123
256	Gadolinium(III)-Incorporated Nanosized Mesoporous Silica as Potential Magnetic Resonance Imaging Contrast Agents. <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 15608-15611	3.4	120
255	AuAg alloy nanoparticle as catalyst for CO oxidation: Effect of Si/Al ratio of mesoporous support. <i>Journal of Catalysis</i> , <b>2006</b> , 237, 197-206	7.3	119
254	Promotional effect of Pd single atoms on Au nanoparticles supported on silica for the selective hydrogenation of acetylene in excess ethylene. <i>New Journal of Chemistry</i> , <b>2014</b> , 38, 2043	3.6	117
253	Bimetallic AuPd Alloy Catalysts for N <sub>2</sub> O Decomposition: Effects of Surface Structures on Catalytic Activity. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 6222-6232	3.8	116

252	Mesoporous silica nanoparticles improve magnetic labeling efficiency in human stem cells. <i>Small</i> , <b>2008</b> , 4, 619-26	11	116
251	Au/Cu alloy nanoparticles supported on silica gel as catalyst for CO oxidation: Effects of Au/Cu ratios. <i>Catalysis Today</i> , <b>2011</b> , 160, 103-108	5.3	112
250	Internalization of mesoporous silica nanoparticles induces transient but not sufficient osteogenic signals in human mesenchymal stem cells. <i>Toxicology and Applied Pharmacology</i> , <b>2008</b> , 231, 208-15	4.6	107
249	Recent advances in nanoparticle-based Förster resonance energy transfer for biosensing, molecular imaging and drug release profiling. <i>International Journal of Molecular Sciences</i> , <b>2012</b> , 13, 16598-623	6.3	106
248	Counterion Effect in Acid Synthesis of Mesoporous Silica Materials. <i>Journal of Physical Chemistry B</i> , <b>2000</b> , 104, 7885-7894	3.4	100
247	Room temperature O <sub>2</sub> plasma treatment of SiO <sub>2</sub> supported Au catalysts for selective hydrogenation of acetylene in the presence of large excess of ethylene. <i>Journal of Catalysis</i> , <b>2012</b> , 285, 152-159	7.3	97
246	A simple plant gene delivery system using mesoporous silica nanoparticles as carriers. <i>Journal of Materials Chemistry B</i> , <b>2013</b> , 1, 5279-5287	7.3	95
245	Effect of delayed neutralization on the synthesis of mesoporous MCM-41 molecular sieves. <i>Microporous Materials</i> , <b>1997</b> , 10, 111-121		95
244	Enhancing stability and oxidation activity of cytochrome C by immobilization in the nanochannels of mesoporous aluminosilicates. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 12277-86	3.4	95
243	High catalytic activity for CO oxidation of gold nanoparticles confined in acidic support Al-SBA-15 at low temperatures. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 18042-7	3.4	93
242	Direct method for surface silyl functionalization of mesoporous silica. <i>Langmuir</i> , <b>2004</b> , 20, 3231-9	4	91
241	Structural and catalytic properties of supported Ni/Cu alloy catalysts for H <sub>2</sub> generation via hydrous hydrazine decomposition. <i>Applied Catalysis B: Environmental</i> , <b>2014</b> , 147, 779-788	21.8	90
240	Density hysteresis of heavy water confined in a nanoporous silica matrix. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 12206-11	11.5	89
239	Biomimetic Synthesis of Nacrelike Faceted Mesocrystals of ZnO/Chitin Composite. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 18053-18061	3.8	86
238	Mesoporous Molecular Sieves MCM-41 with a Hollow Tubular Morphology. <i>Chemistry of Materials</i> , <b>1998</b> , 10, 581-589	9.6	86
237	Corneal repair by human corneal keratocyte-reprogrammed iPSCs and amphiphatic carboxymethyl-hexanoyl chitosan hydrogel. <i>Biomaterials</i> , <b>2012</b> , 33, 8003-16	15.6	85
236	A general method for growing large area mesoporous silica thin films on flat substrates with perpendicular nanochannels. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 3779-82	16.4	84
235	Well-Ordered Mesoporous Carbon Thin Film with Perpendicular Channels: Application to Direct Methanol Fuel Cell. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 867-873	3.8	83

234	Enzyme encapsulated hollow silica nanospheres for intracellular biocatalysis. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 6883-90	9.5	82
233	Translational and rotational dynamics of water in mesoporous silica materials: MCM-41-S and MCM-48-S. <i>Journal of Chemical Physics</i> , <b>2003</b> , 119, 3963-3971	3.9	82
232	Intracellular pH-Responsive Mesoporous Silica Nanoparticles for the Controlled Release of Anticancer Chemotherapeutics. <i>Angewandte Chemie</i> , <b>2010</b> , 122, 8390-8395	3.6	80
231	Sulfated zirconia catalyst supported on MCM-41 mesoporous molecular sieve. <i>Applied Catalysis A: General</i> , <b>2001</b> , 215, 21-30	5.1	73
230	Intracellular implantation of enzymes in hollow silica nanospheres for protein therapy: cascade system of superoxide dismutase and catalase. <i>Small</i> , <b>2014</b> , 10, 4785-95	11	72
229	Control of morphology in synthesizing mesoporous silica. <i>Pure and Applied Chemistry</i> , <b>2000</b> , 72, 137-146	2.1	72
228	Pore-expanded mesoporous silica nanoparticles with alkanes/ethanol as pore expanding agent. <i>Microporous and Mesoporous Materials</i> , <b>2013</b> , 169, 7-15	5.3	71
227	Synthesis of nano-sized mesoporous silicas with metal incorporation. <i>Catalysis Today</i> , <b>2004</b> , 97, 81-87	5.3	71
226	Nonviral cell labeling and differentiation agent for induced pluripotent stem cells based on mesoporous silica nanoparticles. <i>ACS Nano</i> , <b>2013</b> , 7, 8423-40	16.7	69
225	Formation of hollow silica nanospheres by reverse microemulsion. <i>Nanoscale</i> , <b>2015</b> , 7, 9614-26	7.7	67
224	IV delivery of induced pluripotent stem cells attenuates endotoxin-induced acute lung injury in mice. <i>Chest</i> , <b>2011</b> , 140, 1243-1253	5.3	66
223	Enhanced Activity and Stability of Lysozyme by Immobilization in the Matching Nanochannels of Mesoporous Silica Nanoparticles. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 6734-6743	3.8	65
222	Corking and Uncorking a Catalytic Yolk-Shell Nanoreactor: Stable Gold Catalyst in Hollow Silica Nanosphere. <i>Journal of Physical Chemistry Letters</i> , <b>2011</b> , 2, 2984-2988	6.4	65
221	Characterization and biomimetic study of a hydroxo-bridged dinuclear phenanthroline cupric complex encapsulated in mesoporous silica: models for catechol oxidase. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 775-84	3.4	65
220	Compartmentalized Hollow Silica Nanospheres Templated from Nanoemulsions. <i>Chemistry of Materials</i> , <b>2013</b> , 25, 352-364	9.6	64
219	Enhanced plasmonic resonance energy transfer in mesoporous silica-encased gold nanorod for two-photon-activated photodynamic therapy. <i>Theranostics</i> , <b>2014</b> , 4, 798-807	12.1	64
218	Selective hydrogenation of acetylene in excess ethylene over SiO <sub>2</sub> supported AuAg bimetallic catalyst. <i>Applied Catalysis A: General</i> , <b>2012</b> , 439-440, 8-14	5.1	63
217	Theranostic applications of mesoporous silica nanoparticles and their organic/inorganic hybrids. <i>Journal of Materials Chemistry B</i> , <b>2013</b> , 1, 3128-3135	7.3	63

216	Ordered mesoporous Au/TiO <sub>2</sub> nanospheres for solvent-free visible-light-driven plasmonic oxidative coupling reactions of amines. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 231, 283-291	21.8	61
215	Quasielastic and inelastic neutron scattering investigation of fragile-to-strong crossover in deeply supercooled water confined in nanoporous silica matrices. <i>Journal of Physics Condensed Matter</i> , <b>2006</b> , 18, S2261-S2284	1.8	61
214	Generation of Functional Dopaminergic Neurons from Reprogramming Fibroblasts by Nonviral-based Mesoporous Silica Nanoparticles. <i>Scientific Reports</i> , <b>2018</b> , 8, 11	4.9	60
213	Sonogashira reaction of aryl and heteroaryl halides with terminal alkynes catalyzed by a highly efficient and recyclable nanosized MCM-41 anchored palladium bipyridyl complex. <i>Molecules</i> , <b>2010</b> , 15, 9157-73	4.8	60
212	A gold surface plasmon enhanced mesoporous titanium dioxide photoelectrode for the plastic-based flexible dye-sensitized solar cells. <i>Journal of Power Sources</i> , <b>2015</b> , 288, 221-228	8.9	58
211	Heterogeneous formulation of the tricopper complex for efficient catalytic conversion of methane into methanol at ambient temperature and pressure. <i>Energy and Environmental Science</i> , <b>2016</b> , 9, 1361-1374	37.4	58
210	Hierarchical organization of mesoporous MCM-41 ropes. <i>Chemical Communications</i> , <b>1999</b> , 583-584	5.8	57
209	Molecular Elucidation of Biological Response to Mesoporous Silica Nanoparticles in Vitro and in Vivo. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 22235-22251	9.5	56
208	Defective Mesocrystal ZnO-Supported Gold Catalysts: Facilitating CO Oxidation via Vacancy Defects in ZnO. <i>ACS Catalysis</i> , <b>2018</b> , 8, 6862-6869	13.1	56
207	Surface charge effect in intracellular localization of mesoporous silica nanoparticles as probed by fluorescent ratiometric pH imaging. <i>RSC Advances</i> , <b>2012</b> , 2, 968-973	3.7	55
206	Probing the dynamics of doxorubicin-DNA intercalation during the initial activation of apoptosis by fluorescence lifetime imaging microscopy (FLIM). <i>PLoS ONE</i> , <b>2012</b> , 7, e44947	3.7	55
205	Well-defined mesoporous nanostructure modulates three-dimensional interface energy transfer for two-photon activated photodynamic therapy. <i>Nano Today</i> , <b>2011</b> , 6, 552-563	17.9	55
204	Tubular MCM-41-supported transition metal oxide catalysts for ethylbenzene dehydrogenation reaction. <i>Applied Catalysis A: General</i> , <b>2000</b> , 198, 103-114	5.1	54
203	Killing cancer cells by delivering a nanoreactor for inhibition of catalase and catalytically enhancing intracellular levels of ROS. <i>RSC Advances</i> , <b>2015</b> , 5, 86072-86081	3.7	51
202	Electron Transfer-Induced Hydrogenation of Anthracene Catalyzed by Gold and Silver Nanoparticles. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 9723-9728	3.8	51
201	(VO) <sup>2+</sup> Ions Immobilized on Functionalized Surface of Mesoporous Silica and Their Activity toward the Hydroxylation of Benzene. <i>Journal of Physical Chemistry B</i> , <b>2003</b> , 107, 2543-2551	3.4	51
200	Orientalional Relaxation Dynamics of Liquid Water Studied by Molecular Dynamics Simulation. <i>Journal of Physical Chemistry B</i> , <b>1999</b> , 103, 3699-3705	3.4	51
199	Direct impregnation method for preparing sulfated zirconia supported on mesoporous silica. <i>Microporous and Mesoporous Materials</i> , <b>2001</b> , 50, 201-208	5.3	50

198	Incorporation of C60 in Layered Double Hydroxide. <i>Journal of the American Chemical Society</i> , <b>1996</b> , 118, 4411-4418	16.4	49
197	Defect-Mediated Gold Substitution Doping in ZnO Mesocrystals and Catalysis in CO Oxidation. <i>ACS Catalysis</i> , <b>2016</b> , 6, 115-122	13.1	48
196	Anchored palladium bipyridyl complex in nanosized MCM-41: a recyclable and efficient catalyst for the Kumada-Corriu reaction. <i>Tetrahedron</i> , <b>2007</b> , 63, 4304-4309	2.4	48
195	Control of single crystal morphology of SBA-1 mesoporous silica. <i>Journal of Materials Chemistry</i> , <b>2003</b> , 13, 2853		47
194	Mesostructured Arrays of Nanometer-spaced Gold Nanoparticles for Ultrahigh Number Density of SERS Hot Spots. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 2544-2552	15.6	45
193	Palladium bipyridyl complex anchored on nanosized MCM-41 as a highly efficient and recyclable catalyst for Heck reaction. <i>Tetrahedron Letters</i> , <b>2004</b> , 45, 7503-7506	2	45
192	Mesoporous silica supported cobalt catalysts for hydrogen generation in hydrolysis of ammonia borane. <i>International Journal of Hydrogen Energy</i> , <b>2013</b> , 38, 7280-7290	6.7	44
191	A room temperature catalyst for toluene aliphatic C-H bond oxidation: Tripodal tridentate copper complex immobilized in mesoporous silica. <i>Journal of Catalysis</i> , <b>2015</b> , 322, 139-151	7.3	44
190	Formulation of novel lipid-coated magnetic nanoparticles as the probe for in vivo imaging. <i>Journal of Biomedical Science</i> , <b>2009</b> , 16, 86	13.3	44
189	Ia3d cubic mesoporous silicas using EO17MA23 diblock copolymers made from ATRP. <i>Chemical Communications</i> , <b>2002</b> , 2878-9	5.8	44
188	Hollow spheres of MCM-41 aluminosilicate with pinholes. <i>Chemical Communications</i> , <b>2001</b> , 1970-1	5.8	44
187	In-situ study of MCM-41-supported iron oxide catalysts by XANES and EXAFS. <i>Applied Catalysis A: General</i> , <b>2000</b> , 198, 115-126	5.1	43
186	Approach To Deliver Two Antioxidant Enzymes with Mesoporous Silica Nanoparticles into Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 17944-54	9.5	43
185	Single particle dynamics of water confined in a hydrophobically modified MCM-41-S nanoporous matrix. <i>Journal of Chemical Physics</i> , <b>2009</b> , 130, 134512	3.9	42
184	Phototherapeutic spectrum expansion through synergistic effect of mesoporous silica trio-nanohybrids against antibiotic-resistant gram-negative bacterium. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2017</b> , 169, 124-133	6.7	40
183	Pyrene-assisted synthesis of size-controlled gold nanoparticles in sodium dodecyl sulfate micelles. <i>Langmuir</i> , <b>2005</b> , 21, 8947-51	4	40
182	Alumina-promoted mesoporous sulfated zirconia: A catalyst for n-butane isomerization. <i>Applied Catalysis A: General</i> , <b>2005</b> , 286, 128-136	5.1	40
181	A direct surface silyl modification of acid-synthesized mesoporous silica. <i>New Journal of Chemistry</i> , <b>2000</b> , 24, 253-255	3.6	40



180	The effect of alkan-1-ols addition on the structural ordering and morphology of mesoporous silicate MCM-41. <i>Journal of Materials Chemistry</i> , <b>1999</b> , 9, 1197-1201		40
179	Counterion and alcohol effect in the formation of mesoporous silica. <i>Microporous and Mesoporous Materials</i> , <b>2001</b> , 48, 135-141	5.3	39
178	A broad range fluorescent pH sensor based on hollow mesoporous silica nanoparticles, utilising the surface curvature effect. <i>Journal of Materials Chemistry B</i> , <b>2013</b> , 1, 5557-5563	7.3	38
177	Layered double hydroxide nanoparticles to enhance organ-specific targeting and the anti-proliferative effect of cisplatin. <i>Journal of Materials Chemistry B</i> , <b>2015</b> , 3, 3447-3458	7.3	37
176	Dynamical properties of confined supercooled water: an NMR study. <i>Journal of Physics Condensed Matter</i> , <b>2006</b> , 18, S2285-S2297	1.8	37
175	Salt effect in post-synthesis hydrothermal treatment of MCM-41. <i>Microporous and Mesoporous Materials</i> , <b>2002</b> , 55, 69-80	5.3	37
174	Control of mesostructure and morphology of surfactant-templated silica in a mixed surfactant system. <i>Physical Chemistry Chemical Physics</i> , <b>1999</b> , 1, 5051-5058	3.6	36
173	Synthesis of curtain-like crumpled boehmite and alumina nanosheets. <i>CrystEngComm</i> , <b>2015</b> , 17, 1959-1967	3.7	35
172	Functionalization of mesoporous silica nanoparticles for targeting, biocompatibility, combined cancer therapies and theragnosis. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2013</b> , 13, 2399-430	1.3	35
171	PtRu Nanoparticles Supported on Ozone-Treated Mesoporous Carbon Thin Film As Highly Active Anode Materials for Direct Methanol Fuel Cells. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 16158-16168	3.8	35
170	Development of in vitro tooth staining model and usage of catalysts to elevate the effectiveness of tooth bleaching. <i>Dental Materials</i> , <b>2008</b> , 24, 57-66	5.7	35
169	High resolution 31P NMR study of octacalcium phosphate. <i>Solid State Nuclear Magnetic Resonance</i> , <b>2004</b> , 26, 99-104	3.1	35
168	Catalytic Behavior of Alumina-Promoted Sulfated Zirconia Supported on Mesoporous Silica in Butane Isomerization. <i>Catalysis Letters</i> , <b>2002</b> , 78, 223-229	2.8	34
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