

Yunfeng Lu

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.

168
papers

19,846
citations

62
h-index

140
g-index

172
ext. papers

20,959
ext. citations

12.4
avg, IF

6.43
L-index

#	Paper	IF	Citations
168	l-Asparaginase In Situ Encapsulated into Zwitterionic Nanocapsules with a Prolonged Half-Life. <i>ACS Applied Polymer Materials</i> , 2022 , 4, 2757-2766	4.3	
167	Robust Single-Molecule Enzyme Nanocapsules for Biosensing with Significantly Improved Biosensor Stability. <i>Analytical Chemistry</i> , 2020 , 92, 5830-5837	7.8	28
166	Tin-graphene tubes as anodes for lithium-ion batteries with high volumetric and gravimetric energy densities. <i>Nature Communications</i> , 2020 , 11, 1374	17.4	61
165	Porous carbon microspheres with highly graphitized structure for potassium-ion storage. <i>Journal of Colloid and Interface Science</i> , 2020 , 577, 48-53	9.3	8
164	An Antioxidant Enzyme Therapeutic for COVID-19. <i>Advanced Materials</i> , 2020 , 32, e2004901	24	34
163	Efficient Delivery of Nerve Growth Factors to the Central Nervous System for Neural Regeneration. <i>Advanced Materials</i> , 2019 , 31, e1900727	24	46
162	Thermally Robust Porous Bimetallic (Ni Pt) Alloy Mesocrystals within Carbon Framework: High-Performance Catalysts for Oxygen Reduction and Hydrogenation Reactions. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 21435-21444	9.5	9
161	A Bioinspired Platform for Effective Delivery of Protein Therapeutics to the Central Nervous System. <i>Advanced Materials</i> , 2019 , 31, e1807557	24	47
160	Well-dispersed phosphorus nanocrystals within carbon via high-energy mechanical milling for high performance lithium storage. <i>Nano Energy</i> , 2019 , 59, 464-471	17.1	49
159	Enhanced Delivery of Rituximab Into Brain and Lymph Nodes Using Timed-Release Nanocapsules in Non-Human Primates. <i>Frontiers in Immunology</i> , 2019 , 10, 3132	8.4	7
158	Real-Time Quantification of Cell Internalization Kinetics by Functionalized Bioluminescent Nanoprobes. <i>Advanced Materials</i> , 2019 , 31, e1902469	24	5
157	Tumor Microenvironment-Tailored Weakly Cell-Interacted Extracellular Delivery Platform Enables Precise Antibody Release and Function. <i>Advanced Functional Materials</i> , 2019 , 29, 1903296	15.6	12
156	Sustained delivery and molecular targeting of a therapeutic monoclonal antibody to metastases in the central nervous system of mice. <i>Nature Biomedical Engineering</i> , 2019 , 3, 706-716	19	41
155	Stiff/Soft/Binary Synergistic Aerogels with Superflexibility and High Thermal Insulation Performance. <i>Advanced Functional Materials</i> , 2019 , 29, 1806407	15.6	61
154	A Hepatocyte-Mimicking Antidote for Alcohol Intoxication. <i>Advanced Materials</i> , 2018 , 30, e1707443	24	12
153	In Situ High-Level Nitrogen Doping into Carbon Nanospheres and Boosting of Capacitive Charge Storage in Both Anode and Cathode for a High-Energy 4.5 V Full-Carbon Lithium-Ion Capacitor. <i>Nano Letters</i> , 2018 , 18, 3368-3376	11.5	118
152	A high-rate and ultrastable anode enabled by boron-doped nanoporous carbon spheres for high-power and long life lithium ion capacitors. <i>Materials Today Energy</i> , 2018 , 9, 428-439	7	16

151	Approaching Theoretical Capacities in Thick Lithium Vanadium Phosphate Electrodes at High Charge/Discharge Rates. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 15608-15617	8.3	12
150	Graphene Caging Silicon Particles for High-Performance Lithium-Ion Batteries. <i>Small</i> , 2018 , 14, e1800635	11	104
149	Encapsulating Therapeutic Proteins with Polyzwitterions for Lower Macrophage Nonspecific Uptake and Longer Circulation Time. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 7972-7978	9.5	28
148	Pseudocapacitive Sodium Storage in Mesoporous Single-Crystal-like TiO-Graphene Nanocomposite Enables High-Performance Sodium-Ion Capacitors. <i>ACS Nano</i> , 2017 , 11, 2952-2960	16.7	443
147	Regenerative Polysulfide-Scavenging Layers Enabling Lithium-Sulfur Batteries with High Energy Density and Prolonged Cycling Life. <i>ACS Nano</i> , 2017 , 11, 2697-2705	16.7	111
146	Nanocapsules of therapeutic proteins with enhanced stability and long blood circulation for hyperuricemia management. <i>Journal of Controlled Release</i> , 2017 , 255, 54-61	11.7	17
145	Encapsulation of SnO ₂ nanocrystals into hierarchically porous carbon by melt infiltration for high-performance lithium storage. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 18706-18710	13	38
144	Prolonging the plasma circulation of proteins by nano-encapsulation with phosphorylcholine-based polymer. <i>Nano Research</i> , 2016 , 9, 2424-2432	10	45
143	A High-Throughput Platform for Formulating and Screening Multifunctional Nanoparticles Capable of Simultaneous Delivery of Genes and Transcription Factors. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 169-73	16.4	36
142	Phosphorylcholine polymer nanocapsules prolong the circulation time and reduce the immunogenicity of therapeutic proteins. <i>Nano Research</i> , 2016 , 9, 1022-1031	10	58
141	Specific Elimination of Latently HIV-1 Infected Cells Using HIV-1 Protease-Sensitive Toxin Nanocapsules. <i>PLoS ONE</i> , 2016 , 11, e0151572	3.7	12
140	Ionic Liquid-Assisted Synthesis of TiO ₂ /Carbon Hybrid Nanostructures for Lithium-Ion Batteries. <i>Advanced Functional Materials</i> , 2016 , 26, 1338-1346	15.6	91
139	A High-Throughput Platform for Formulating and Screening Multifunctional Nanoparticles Capable of Simultaneous Delivery of Genes and Transcription Factors. <i>Angewandte Chemie</i> , 2016 , 128, 177-181	3.6	3
138	Growth-Factor Nanocapsules That Enable Tunable Controlled Release for Bone Regeneration. <i>ACS Nano</i> , 2016 , 10, 7362-9	16.7	30
137	An intracellular protein delivery platform based on glutathione-responsive protein nanocapsules. <i>Chemical Communications</i> , 2016 , 52, 13608-13611	5.8	14
136	Enzyme-Responsive Delivery of Multiple Proteins with Spatiotemporal Control. <i>Advanced Materials</i> , 2015 , 27, 3620-5	24	58
135	Enzyme therapeutics for systemic detoxification. <i>Advanced Drug Delivery Reviews</i> , 2015 , 90, 24-39	18.5	32
134	Robust enzyme-silica composites made from enzyme nanocapsules. <i>Chemical Communications</i> , 2015 , 51, 9628-31	5.8	20

133	Aerosol-Assisted Heteroassembly of Oxide Nanocrystals and Carbon Nanotubes into 3D Mesoporous Composites for High-Rate Electrochemical Energy Storage. <i>Small</i> , 2015 , 11, 3135-42	11	12
132	Hierarchical Nanostructured WO ₃ with Biomimetic Proton Channels and Mixed Ionic-Electronic Conductivity for Electrochemical Energy Storage. <i>Nano Letters</i> , 2015 , 15, 6802-8	11.5	129
131	Efficient delivery of therapeutic miRNA nanocapsules for tumor suppression. <i>Advanced Materials</i> , 2015 , 27, 292-7	24	57
130	Functional supramolecular polymers for biomedical applications. <i>Advanced Materials</i> , 2015 , 27, 498-526	24	346
129	Mesoporous crystalline-amorphous oxide nanocomposite network for high-performance lithium storage. <i>Chemical Communications</i> , 2015 , 51, 12056-9	5.8	7
128	Modulation of Gene Expression by Polymer Nanocapsule Delivery of DNA Cassettes Encoding Small RNAs. <i>PLoS ONE</i> , 2015 , 10, e0127986	3.7	20
127	Self-assembly and optical properties of a porphyrin-based amphiphile. <i>Nanoscale</i> , 2014 , 6, 4544-50	7.7	21
126	A novel method to enhance the conductance of transitional metal oxide electrodes. <i>Nanoscale</i> , 2014 , 6, 3791-5	7.7	13
125	Gold-nanocrystal-enhanced bioluminescent nanocapsules. <i>ACS Nano</i> , 2014 , 8, 9964-9	16.7	13
124	Hierarchical architectures of TiO ₂ nanowires--CNT interpenetrating networks as high-rate anodes for lithium-ion batteries. <i>Nanotechnology</i> , 2014 , 25, 395401	3.4	14
123	Carbon nanotube-penetrated mesoporous V ₂ O ₅ microspheres as high-performance cathode materials for lithium-ion batteries. <i>RSC Advances</i> , 2014 , 4, 21018-21022	3.7	23
122	3D nanocomposite architectures from carbon-nanotube-threaded nanocrystals for high-performance electrochemical energy storage. <i>Advanced Materials</i> , 2014 , 26, 339-45	24	119
121	A redox-responsive cationic supramolecular polymer constructed from small molecules as a promising gene vector. <i>Chemical Communications</i> , 2013 , 49, 9845-7	5.8	62
120	Retargeting vesicular stomatitis virus glycoprotein pseudotyped lentiviral vectors with enhanced stability by in situ synthesized polymer shell. <i>Human Gene Therapy Methods</i> , 2013 , 24, 11-8	4.9	6
119	Robust lithium-ion anodes based on nanocomposites of iron oxide/carbon/silicate. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 4539	13	22
118	Biomimetic enzyme nanocomplexes and their use as antidotes and preventive measures for alcohol intoxication. <i>Nature Nanotechnology</i> , 2013 , 8, 187-92	28.7	238
117	Construction of robust enzyme nanocapsules for effective organophosphate decontamination, detoxification, and protection. <i>Advanced Materials</i> , 2013 , 25, 2212-8	24	73
116	The development of better photocatalysts through composition- and structure-engineering. <i>Chemistry - an Asian Journal</i> , 2013 , 8, 26-40	4.5	67

115	Mesoporous hollow spheres from soap bubbling. <i>Journal of Colloid and Interface Science</i> , 2012 , 367, 531-536	6.3	9
114	Building robust architectures of carbon and metal oxide nanocrystals toward high-performance anodes for lithium-ion batteries. <i>ACS Nano</i> , 2012 , 6, 9911-9	16.7	159
113	Single siRNA nanocapsules for enhanced RNAi delivery. <i>Journal of the American Chemical Society</i> , 2012 , 134, 13542-5	16.4	54
112	High-performance sodium-ion pseudocapacitors based on hierarchically porous nanowire composites. <i>ACS Nano</i> , 2012 , 6, 4319-27	16.7	574
111	Mesoporous Metal and Metal Alloy Particles Synthesized by Aerosol-Assisted Confined Growth of Nanocrystals. <i>Angewandte Chemie</i> , 2012 , 124, 10698-10702	3.6	1
110	Mesoporous metal and metal alloy particles synthesized by aerosol-assisted confined growth of nanocrystals. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 10546-50	16.4	24
109	High-performance flexible lithium-ion electrodes based on robust network architecture. <i>Energy and Environmental Science</i> , 2012 , 5, 6845	35.4	137
108	Synthesis of ultralong copper nanowires for high-performance transparent electrodes. <i>Journal of the American Chemical Society</i> , 2012 , 134, 14283-6	16.4	334
107	Dramatic enhancements in toughness of polyimide nanocomposite via long-CNT-induced long-range creep. <i>Journal of Materials Chemistry</i> , 2012 , 22, 7050		57
106	Sunlight-driven photodegradation of organic pollutants catalyzed by TiO ₂ /(ZnS) _x (CuInS ₂) _{1-x} nanocomposites. <i>Journal of Materials Chemistry</i> , 2012 , 22, 8759		23
105	High-performance energy-storage architectures from carbon nanotubes and nanocrystal building blocks. <i>Advanced Materials</i> , 2012 , 24, 2030-6	24	109
104	Stable lithium-ion cathodes from nanocomposites of VO ₂ nanowires and CNTs. <i>Nanotechnology</i> , 2012 , 23, 475701	3.4	15
103	Protein-polymer nanoparticles for nonviral gene delivery. <i>Biomacromolecules</i> , 2011 , 12, 1006-14	6.9	36
102	Inward template synthesis of intact hollow spheres. <i>Polymer</i> , 2011 , 52, 4418-4422	3.9	7
101	Hierarchical manganese oxide/carbon nanocomposites for supercapacitor electrodes. <i>Nano Research</i> , 2011 , 4, 216-225	10	92
100	Synthesis of protein nano-conjugates for cancer therapy. <i>Nano Research</i> , 2011 , 4, 425-433	10	15
99	Synthesis of monodisperse Ce _x Zr _{1-x} O ₂ nanocrystals and the size-dependent enhancement of their properties. <i>Nano Research</i> , 2011 , 4, 494-504	10	3
98	Fabrication of porous scaffolds with protein nanogels. <i>Science China Chemistry</i> , 2011 , 54, 961-967	7.9	3

97	High-performance supercapacitors based on intertwined CNT/V2O5 nanowire nanocomposites. <i>Advanced Materials</i> , 2011 , 23, 791-5	24	715
96	Controlled protein delivery based on enzyme-responsive nanocapsules. <i>Advanced Materials</i> , 2011 , 23, 4549-53	24	76
95	High-Performance Supercapacitors Based on Hierarchically Porous Graphite Particles. <i>Advanced Energy Materials</i> , 2011 , 1, 551-556	21.8	171
94	High-Performance Supercapacitors Based on Nanocomposites of Nb2O5 Nanocrystals and Carbon Nanotubes. <i>Advanced Energy Materials</i> , 2011 , 1, 1089-1093	21.8	285
93	Single-Crystal-like Titania Mesocages. <i>Angewandte Chemie</i> , 2011 , 123, 1137-1140	3.6	18
92	Delivery of Intact Transcription Factor by Using Self-Assembled Supramolecular Nanoparticles. <i>Angewandte Chemie</i> , 2011 , 123, 3114-3118	3.6	20
91	Single-crystal-like titania mesocages. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 1105-8	16.4	87
90	Delivery of intact transcription factor by using self-assembled supramolecular nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 3058-62	16.4	63
89	A novel intracellular protein delivery platform based on single-protein nanocapsules. <i>Nature Nanotechnology</i> , 2010 , 5, 48-53	28.7	340
88	Solvothermal synthesis of well-defined TiO(2) mesoporous nanotubes with enhanced photocatalytic activity. <i>Chemical Communications</i> , 2010 , 46, 8451-3	5.8	56
87	A General Synthesis of CuInS Based Multicomponent Solid-Solution Nanocrystals with Tunable Band Gap, Size, and Structure. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 17293-17297	3.8	53
86	UV-induced chromatism of polydiacetylenic assemblies. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 2379-84	3.4	21
85	Quantum-dot-decorated robust transductable bioluminescent nanocapsules. <i>Journal of the American Chemical Society</i> , 2010 , 132, 12780-1	16.4	53
84	Nanostructured Multifunctional Materials for Environmental Remediation of Chlorinated Hydrocarbons. <i>ACS Symposium Series</i> , 2010 , 163-179	0.4	1
83	Mesoporous Ni-B amorphous alloy microspheres with tunable chamber structure and enhanced hydrogenation activity. <i>Chemical Communications</i> , 2010 , 46, 791-3	5.8	46
82	Aerosol-assisted synthesis of mesoporous titania nanoparticles with high surface area and controllable phase composition. <i>Journal of Sol-Gel Science and Technology</i> , 2010 , 53, 287-292	2.3	6
81	Design and Synthesis of Hierarchical Nanowire Composites for Electrochemical Energy Storage. <i>Advanced Functional Materials</i> , 2009 , 19, 3420-3426	15.6	405
80	Electrochromatic carbon nanotube/polydiacetylene nanocomposite fibres. <i>Nature Nanotechnology</i> , 2009 , 4, 738-41	28.7	294

79	Self-assembly of $\text{Bi}_2\text{Ti}_2\text{O}_7/\text{TiO}_2$ visible photocatalyst with core-shell structure and enhanced activity. <i>Applied Catalysis B: Environmental</i> , 2009 , 89, 577-582	21.8	38
78	Aerosol-spray assisted assembly of $\text{Bi}_2\text{Ti}_2\text{O}_7$ crystals in uniform porous microspheres with enhanced photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2009 , 91, 247-253	21.8	57
77	Stimuli-sensitive assemblies of homopolymers. <i>Langmuir</i> , 2009 , 25, 11980-3	4	4
76	Alloyed semiconductor nanocrystals with broad tunable band gaps. <i>Chemical Communications</i> , 2009 , 4221-3	5.8	105
75	Synthesis of Quaternary Semiconductor Nanocrystals with Tunable Band Gaps. <i>Chemistry of Materials</i> , 2009 , 21, 2489-2493	9.6	98
74	Aerosol-spraying synthesis of $\text{SiO}_2/\text{TiO}_2$ nanocomposites and conversion to porous TiO_2 and single-crystalline TiO_2 . <i>Chemical Communications</i> , 2009 , 5394-6	5.8	56
73	Mesoporous materials: tunable structure, morphology and composition. <i>Chemical Communications</i> , 2009 , 2270-7	5.8	78
72	In situ encapsulation of Au nanoparticles in mesoporous core-shell TiO_2 microspheres with enhanced activity and durability. <i>Chemical Communications</i> , 2009 , 3789-91	5.8	116
71	Synthesis of highly-ordered mesoporous carbon/silica nanocomposites and derivative hierarchically mesoporous carbon from a phenyl-bridged organosiloxane. <i>Nanoscale</i> , 2009 , 1, 245-9	7.7	17
70	Synthesis of Cu-In-S ternary nanocrystals with tunable structure and composition. <i>Journal of the American Chemical Society</i> , 2008 , 130, 5620-1	16.4	405
69	Observation of Nucleation and Growth of CdS Nanocrystals in a Two-Phase System. <i>Chemistry of Materials</i> , 2008 , 20, 3560-3566	9.6	65
68	Reactivity characteristics of nanoscale zerovalent iron-silica composites for trichloroethylene remediation. <i>Environmental Science & Technology</i> , 2008 , 42, 4494-9	10.3	120
67	Preparation of Nanoporous Carbon Particles and Their Cryogenic Hydrogen Storage Capacities. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 1516-1523	3.8	56
66	Porous carbon and carbon composite hollow spheres. <i>Colloid and Polymer Science</i> , 2008 , 286, 1093-1096	2.4	12
65	Hierarchical Assembly of Organic/Inorganic Building Molecules with π -Interactions. <i>Advanced Functional Materials</i> , 2008 , 18, 1526-1535	15.6	29
64	Mesoporous Silica with Multiple Catalytic Functionalities. <i>Advanced Functional Materials</i> , 2008 , 18, 3590-3597	15.6	27
63	Vesicle-Assisted Assembly of Mesoporous Ce-Doped Pd Nanospheres with a Hollow Chamber and Enhanced Catalytic Efficiency. <i>Advanced Functional Materials</i> , 2008 , 18, 3235-3241	15.6	78
62	Interpenetration network (IPN) assisted transcription of polymeric hollow spheres: A general approach towards composite hollow spheres. <i>Polymer</i> , 2008 , 49, 3098-3102	3.9	13

61	Mesoporous carbon/silica nanocomposite through multi-component assembly. <i>Chemical Communications</i> , 2007 , 601-3	5.8	51
60	Aqueous medium Ullmann reaction over a novel Pd/Ph ₃ P-I-MCM-41 as a new route of clean organic synthesis. <i>Green Chemistry</i> , 2007 , 9, 273-280	10	39
59	Mesoporous titania spheres with tunable chamber structure and enhanced photocatalytic activity. <i>Journal of the American Chemical Society</i> , 2007 , 129, 8406-7	16.4	1066
58	Thermoresponsive transport through ordered mesoporous silica/PNIPAAm copolymer membranes and microspheres. <i>Langmuir</i> , 2007 , 23, 170-4	4	111
57	Non-Isothermal Crystallisation Kinetics of Polyamide 6/Mesoporous Silica Nanocomposites. <i>Polymers and Polymer Composites</i> , 2007 , 15, 561-567	0.8	1
56	Low-temperature facile template synthesis of crystalline inorganic composite hollow spheres. <i>Chemistry - an Asian Journal</i> , 2007 , 2, 828-36	4.5	23
55	Mesoporous Au/TiO ₂ nanocomposites with enhanced photocatalytic activity. <i>Journal of the American Chemical Society</i> , 2007 , 129, 4538-9	16.4	730
54	Ostwald ripening: a decisive cause of cylinder corrosive wear. <i>Tribology Letters</i> , 2007 , 27, 21-24	2.8	12
53	Flexible bi-continuous mesostructured inorganic/polymer composite membranes. <i>Polymer</i> , 2007 , 48, 4305-4310	3.9	12
52	Surfactant templating effects on the encapsulation of iron oxide nanoparticles within silica microspheres. <i>Langmuir</i> , 2007 , 23, 5143-7	4	55
51	Surfactant-templated mesoporous materials: from inorganic to hybrid to organic. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 7664-7	16.4	56
50	Phenolic Resin and Derived Carbon Hollow Spheres. <i>Macromolecular Chemistry and Physics</i> , 2006 , 207, 1633-1639	2.6	41
49	Herstellung mesoporöser Materialien mithilfe von Tensid-Templaten: von anorganischen über hybride zu organischen Strukturen. <i>Angewandte Chemie</i> , 2006 , 118, 7826-7829	3.6	9
48	Evaporation induced self assembly and rheology change during sol-gel coating. <i>Physics of Fluids</i> , 2006 , 18, 052105	4.4	25
47	Thermochromatism and structural evolution of metastable polydiacetylenic crystals. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 7221-5	3.4	65
46	Synthesis and Characterization of Functionalized Mesoporous Silica by Aerosol-Assisted Self-Assembly. <i>Chemistry of Materials</i> , 2006 , 18, 2265-2274	9.6	63
45	Responsive periodic mesoporous polydiacetylene/silica nanocomposites. <i>Journal of the American Chemical Society</i> , 2006 , 128, 5304-5	16.4	136
44	Temperature and acid droplet size effects in acid neutralization of marine cylinder lubricants. <i>Tribology Letters</i> , 2006 , 22, 221-225	2.8	11

43	Hierarchical mesoporous silica wires by confined assembly. <i>Chemical Communications</i> , 2005 , 166-7	5.8	53
42	One-Step Synthesis of Mesoporous MetalBiO ₂ Particles by an Aerosol-Assisted Self-assembly Process. <i>Chemistry of Materials</i> , 2005 , 17, 2475-2480	9.6	62
41	Polydiacetylene/silica nanocomposites with tunable mesostructure and thermochromatism from diacetylenic assembling molecules. <i>Journal of the American Chemical Society</i> , 2005 , 127, 12782-3	16.4	99
40	Optical Microscopy inside a Heating Capillary. <i>Industrial & Engineering Chemistry Research</i> , 2005 , 44, 1199-1203	3.9	11
39	Magnetic cobalt nanowire thin films. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 1919-22	3.4	59
38	Surfactant-Templated Organic Functionalized Mesoporous Silica with Phosphino Ligands. <i>Chemistry of Materials</i> , 2005 , 17, 1561-1569	9.6	92
37	Hierarchical silica particles by dynamic multicomponent assembly. <i>Microporous and Mesoporous Materials</i> , 2005 , 85, 305-312	5.3	7
36	Effect of ionic polymer on cetyltrimethyl ammonium bromide templated synthesis of mesoporous silica. <i>Microporous and Mesoporous Materials</i> , 2005 , 86, 89-95	5.3	18
35	Templating synthesis of ordered mesoporous carbon particles. <i>Carbon</i> , 2005 , 43, 2977-2982	10.4	53
34	General synthetic route toward functional hollow spheres with double-shelled structures. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 6727-30	16.4	325
33	Nanostructured Systems from Low-Dimensional Building Blocks 2005 , 57-93		1
32	Hydrogen adsorption in mesoporous carbons. <i>Applied Physics Letters</i> , 2004 , 85, 4887-4889	3.4	72
31	Preparation of Micrometer- to Sub-micrometer-Sized Nanostructured Silica Particles Using High-Energy Ball Milling. <i>Journal of the American Ceramic Society</i> , 2004 , 87, 1280-1286	3.8	20
30	A general route to macroscopic hierarchical 3D nanowire networks. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 6169-73	16.4	116
29	A General Route to Macroscopic Hierarchical 3D Nanowire Networks. <i>Angewandte Chemie</i> , 2004 , 116, 6295-6299	3.6	33
28	Direct synthesis of unimodal and bimodal nanoporous carbon. <i>Microporous and Mesoporous Materials</i> , 2004 , 74, 73-78	5.3	55
27	Direct synthesis of sulfonated aromatic poly(ether ether ketone) proton exchange membranes for fuel cell applications. <i>Journal of Membrane Science</i> , 2004 , 234, 75-81	9.6	358
26	Novel Conjugated Polymer/Silica Nanocomposites with Tunable Mesostructure Synthesized by a Robust Pd Catalyst. <i>Materials Research Society Symposia Proceedings</i> , 2003 , 775, 771		1

25	Templated Synthesis of Inorganic Hollow Spheres with a Tunable Cavity Size onto Core/Shell Gel Particles. <i>Angewandte Chemie</i> , 2003 , 115, 1987-1989	3.6	63
24	Template Synthesis of Uniform 1D Mesostructured Silica Materials and Their Arrays in Anodic Alumina Membranes. <i>Angewandte Chemie</i> , 2003 , 115, 4333-4335	3.6	20
23	Templated synthesis of inorganic hollow spheres with a tunable cavity size onto core-shell gel particles. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 1943-5	16.4	384
22	Template synthesis of uniform 1D mesostructured silica materials and their arrays in anodic alumina membranes. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 4201-3	16.4	149
21	Mesoporous Silica-Reinforced Polymer Nanocomposites. <i>Chemistry of Materials</i> , 2003 , 15, 3656-3662	9.6	175
20	Functional nanocomposites prepared by self-assembly and polymerization of diacetylene surfactants and silicic acid. <i>Journal of the American Chemical Society</i> , 2003 , 125, 1269-77	16.4	127
19	Micron to Sub-Micron Sized Highly Ordered Mesoporous Silica Particles Prepared Using a High Energy Ball Milling Process. <i>Materials Research Society Symposia Proceedings</i> , 2003 , 775, 3291		
18	Electric field-induced mesostructure transformation of self-assembled silica/copolymer nanocomposite thin films. <i>Physical Chemistry Chemical Physics</i> , 2003 , 5, 4070	3.6	5
17	Palladium Nanowire Thin Films via Template Growth. <i>Materials Research Society Symposia Proceedings</i> , 2003 , 775, 471		
16	Self-assembly of mesoscopically ordered chromatic polydiacetylene/silica nanocomposites. <i>Nature</i> , 2001 , 410, 913-7	50.4	483
15	Multiphased assembly of nanoporous silica particles. <i>Journal of Non-Crystalline Solids</i> , 2001 , 285, 71-78	3.9	45
14	Self-assembled aerogel-like low dielectric constant films. <i>Journal of Non-Crystalline Solids</i> , 2001 , 285, 79-83	3.9	82
13	Dual-layer asymmetric microporous silica membranes. <i>Journal of Membrane Science</i> , 2000 , 169, 255-268	9.6	171
12	Rapid prototyping of patterned functional nanostructures. <i>Nature</i> , 2000 , 405, 56-60	50.4	363
11	Patterned Functional Arrays by Selective De-Wetting. <i>Materials Research Society Symposia Proceedings</i> , 2000 , 628, 1		
10	Optically defined multifunctional patterning of photosensitive thin-film silica mesophases. <i>Science</i> , 2000 , 290, 107-11	33.3	150
9	Evaporation-Induced Self-Assembly of Hybrid Bridged Silsesquioxane Film and Particulate Mesophases with Integral Organic Functionality. <i>Journal of the American Chemical Society</i> , 2000 , 122, 5258-5261	16.4	427
8	Surfactant Templated Mesoporous Hybrid Thin Films. <i>Materials Research Society Symposia Proceedings</i> , 2000 , 628, 1		1

7	Aerosol-assisted self-assembly of mesostructured spherical nanoparticles. <i>Nature</i> , 1999 , 398, 223-226	50.4	879
6	Microporous Silica Prepared by Organic Templating: Relationship between the Molecular Template and Pore Structure. <i>Chemistry of Materials</i> , 1999 , 11, 1223-1229	9.6	80
5	Continuous self-assembly of organic/inorganic nanocomposite coatings that mimic nacre. <i>Nature</i> , 1998 , 394, 256-260	50.4	512
4	Self-Assembly of Organic-Inorganic Nanocomposite Coatings that Mimic the Structure of Shell. <i>Materials Research Society Symposia Proceedings</i> , 1998 , 519, 95		3
3	Continuous formation of supported cubic and hexagonal mesoporous films by sol-gel dip-coating. <i>Nature</i> , 1997 , 389, 364-368	50.4	1281
2	Controlling the Porosity of Microporous Silica by Sol-Gel Processing Using an Organic Template Approach. <i>Materials Research Society Symposia Proceedings</i> , 1996 , 435, 271		8
1	An Antioxidant Enzyme Therapeutic for COVID-19		1