Galen Dean Stucky

List of Publications by Citations

254 papers	52,141 citations	95 h-index	228 g-index
265 ext. papers	54,880 ext. citations	13.1 avg, IF	7.35 L-index

#	Paper	IF	Citations
254	Triblock copolymer syntheses of mesoporous silica with periodic 50 to 300 angstrom pores. *Science*, **1998**, 279, 548-52	33.3	9892
253	Nonionic Triblock and Star Diblock Copolymer and Oligomeric Surfactant Syntheses of Highly Ordered, Hydrothermally Stable, Mesoporous Silica Structures. *Journal of the American Chemical Society*, **1998**, 120, 6024-6036	16.4	5794
252	Generalized syntheses of large-pore mesoporous metal oxides with semicrystalline frameworks. *Nature*, **1998**, 396, 152-155	50.4	2217
251	Generalized synthesis of periodic surfactant/inorganic composite materials. *Nature*, **1994**, 368, 317-321	50.4	1818
250	Block Copolymer Templating Syntheses of Mesoporous Metal Oxides with Large Ordering Lengths and Semicrystalline Framework. *Chemistry of Materials*, **1999**, 11, 2813-2826	9.6	1011
249	Molecular mechanistic origin of the toughness of natural adhesives, fibres and composites. *Nature*, **1999**, 399, 761-763	50.4	1008
248	Morphological Control of Highly Ordered Mesoporous Silica SBA-15. *Chemistry of Materials*, **2000**, 12, 275-279	9.6	979
247	An autonomous photosynthetic device in which all charge carriers derive from surface plasmons. *Nature Nanotechnology*, **2013**, 8, 247-51	28.7	891
246	Continuous Mesoporous Silica Films with Highly Ordered Large Pore Structures. *Advanced Materials* , **1998**, 10, 1380-1385	24	765
245	Direct imaging of the pores and cages of three-dimensional mesoporous materials. *Nature*, **2000**, 408, 449-53	50.4	754
244	Identification of active sites in CO oxidation and water-gas shift over supported Pt catalysts. *Science*, **2015**, 350, 189-92	33.3	659
243	General Predictive Syntheses of Cubic, Hexagonal, and Lamellar Silica and Titania Mesostructured Thin Films§. *Chemistry of Materials*, **2002**, 14, 3284-3294	9.6	619
242	Biomimetic synthesis of ordered silica structures mediated by block copolypeptides. *Nature*, **2000**, 403, 289-92	50.4	601
241	Composite mesostructures by nano-confinement. *Nature Materials*, **2004**, 3, 816-22	27	599
240	Ordered mesoporous metallic MoO2 materials with highly reversible lithium storage capacity. *Nano Letters*, **2009**, 9, 4215-20	11.5	590
239	From Melamine-Cyanuric Acid Supramolecular Aggregates to Carbon Nitride Hollow Spheres. *Advanced Functional Materials*, **2013**, 23, 3661-3667	15.6	585
238	Preparation of Noble Metal Nanowires Using Hexagonal Mesoporous Silica SBA-15. *Chemistry of Materials*, **2000**, 12, 2068-2069	9.6	584

237	Mesoporous and Mesostructured Materials for Optical Applications. *Chemistry of Materials*, **2001**, 13, 3140-3150	9.6	573
236	Microemulsion Templating of Siliceous Mesostructured Cellular Foams with Well-Defined Ultralarge Mesopores. *Chemistry of Materials*, **2000**, 12, 686-696	9.6	513
235	Hydrothermal syntheses and structural characterization of zeolite analogue compounds based on cobalt phosphate. *Nature*, **1997**, 388, 735-741	50.4	490
234	One-step one-phase synthesis of monodisperse noble-metallic nanoparticles and their colloidal crystals. *Journal of the American Chemical Society*, **2006**, 128, 6550-1	16.4	478
233	Mirrorless lasing from mesostructured waveguides patterned by soft lithography. *Science*, **2000**, 287, 465-8	33.3	449
232	Fabrication of Ag@SiO(2)@Y(2)O(3):Er nanostructures for bioimaging: tuning of the upconversion fluorescence with silver nanoparticles. *Journal of the American Chemical Society*, **2010**, 132, 2850-1	16.4	435
231	A general synthetic strategy for oxide-supported metal nanoparticle catalysts. *Journal of the American Chemical Society*, **2006**, 128, 14278-80	16.4	434
230	Plasmonic photoanodes for solar water splitting with visible light. *Nano Letters*, **2012**, 12, 5014-9	11.5	430
229	Self-adjusted synthesis of ordered stable mesoporous minerals by acid-base pairs. *Nature Materials*, **2003**, 2, 159-63	27	418
228	Evaluating Pore Sizes in Mesoporous Materials:´A Simplified Standard Adsorption Method and a Simplified Broekhoff□de Boer Method. *Langmuir*, **1999**, 15, 5403-5409	4	406
227	Hexagonal to Mesocellular Foam Phase Transition in Polymer-Templated Mesoporous Silicas. *Langmuir*, **2000**, 16, 8291-8295	4	374
226	Benzyl Alcohol and Titanium TetrachlorideA Versatile Reaction System for the Nonaqueous and Low-Temperature Preparation of Crystalline and Luminescent Titania Nanoparticles. *Chemistry of Materials*, **2002**, 14, 4364-4370	9.6	371
225	Nonaqueous production of nanostructured anatase with high-energy facets. *Journal of the American Chemical Society*, **2008**, 130, 17563-7	16.4	368
224	Mesoporous multifunctional upconversion luminescent and magnetic "nanorattle" materials for targeted chemotherapy. *Nano Letters*, **2012**, 12, 61-7	11.5	340
223	Mesoporous Silicate Sequestration and Release of Proteins. *Journal of the American Chemical Society*, **1999**, 121, 9897-9898	16.4	333
222	Formation of a Porous Zirconium Oxo Phosphate with a High Surface Area by a Surfactant-Assisted Synthesis. *Angewandte Chemie International Edition in English*, **1996**, 35, 541-543		330
221	Anisotropic Growth of TiO2 onto Gold Nanorods for Plasmon-Enhanced Hydrogen Production from Water Reduction. *Journal of the American Chemical Society*, **2016**, 138, 1114-7	16.4	329
220	Low-temperature synthesis of hydrated zinco(beryllo)-phosphate and arsenate molecular sieves. *Nature*, **1991**, 349, 508-510	50.4	327

219	Nanotechnology, nanotoxicology, and neuroscience. *Progress in Neurobiology*, **2009**, 87, 133-70	10.9	313
218	Direct syntheses of ordered SBA-15 mesoporous materials containing arenesulfonic acid groups. *Journal of Materials Chemistry*, **2002**, 12, 1664-1670		288
217	Large-cage zeolite structures with multidimensional 12-ring channels. *Science*, **1997**, 278, 2080-5	33.3	278
216	Assembly of Nanoparticles into Hollow Spheres Using Block Copolypeptides. *Nano Letters*, **2002**, 2, 583-587	11.5	270
215	Cooperative Assembly of Magnetic Nanoparticles and Block Copolypeptides in Aqueous Media. *Nano Letters*, **2003**, 3, 1489-1493	11.5	259
214	Room temperature growth of mesoporous silica fibers: A new high-surface-area optical waveguide. *Advanced Materials*, **1997**, 9, 974-978	24	257
213	Synthesis and organization of zeolite-like materials with three-dimensional helical pores. *Nature*, **1998**, 395, 154-157	50.4	256
212	Highly Ordered Mesoporous Crystalline MoSe2 Material with Efficient Visible-Light-Driven Photocatalytic Activity and Enhanced Lithium Storage Performance. *Advanced Functional Materials*, **2013**, 23, 1832-1838	15.6	249
211	Design of aqueous redox-enhanced electrochemical capacitors with high specific energies and slow self-discharge. *Nature Communications*, **2015**, 6, 7818	17.4	239
210	Pseudotetrahedral O3/2VO Centers Immobilized on the Walls of a Mesoporous, Cubic MCM-48 Support: Preparation, Characterization, and Reactivity toward Water As Investigated by 51V NMR and UV□Vis Spectroscopies. *Chemistry of Materials*, **1996**, 8, 486-492	9.6	234
209	Three-dimensional macroscopic assemblies of low-dimensional carbon nitrides for enhanced hydrogen evolution. *Angewandte Chemie - International Edition*, **2013**, 52, 11083-7	16.4	229
208	Nanoparticle Assembly of Ordered Multicomponent Mesostructured Metal Oxides via a Versatile Sol□el Process. *Chemistry of Materials*, **2006**, 18, 6391-6396	9.6	213
207	pH Sensing with mesoporous thin films. *Chemical Communications*, **2001**, 119-120	5.8	210
206	Electrodeposited Aluminum-Doped □Fe2O3 Photoelectrodes: Experiment and Theory. *Chemistry of Materials*, **2010**, 22, 510-517	9.6	207
205	Visible and near-IR luminescence via energy transfer in rare earth doped mesoporous titania thin films with nanocrystalline walls. *Journal of Solid State Chemistry*, **2003**, 172, 81-88	3.3	203
204	Critical Transitions in the Biofabrication of Abalone Shells and Flat Pearls. *Chemistry of Materials*, **1996**, 8, 679-690	9.6	202
203	Doped Mesoporous Silica Fibers: A New Laser Material. *Advanced Materials*, **1999**, 11, 632-636	24	201
202	Sensitized luminescence of trivalent europium by three-dimensionally arranged anatase nanocrystals in mesostructured titania thin films. *Angewandte Chemie - International Edition*, **2002**, 41, 959-62	16.4	195

201	Templated Synthesis of Highly Ordered Mesostructured Nanowires and Nanowire Arrays. *Nano Letters*, **2004**, 4, 2337-2342	11.5	190
200	Efficient Catalysis of Polysiloxane Synthesis by Silicatein Requires Specific Hydroxy and Imidazole Functionalities. *Angewandte Chemie - International Edition*, **1999**, 38, 779-782	16.4	187
199	An assembly route to inorganic catalytic nanoreactors containing sub-10-nm gold nanoparticles with anti-aggregation properties. *Small*, **2009**, 5, 361-5	11	185
198	Spherical bioactive glass with enhanced rates of hydroxyapatite deposition and hemostatic activity. *Small*, **2006**, 2, 1261-5	11	184
197	Nitrogen-rich hierarchically porous carbon as a high-rate anode material with ultra-stable cyclability and high capacity for capacitive sodium-ion batteries. *Nano Energy*, **2019**, 56, 828-839	17.1	169
196	Hydrothermal Synthesis and Structural Characterization of Zeolite-like Structures Based on Gallium and Aluminum Germanates. *Journal of the American Chemical Society*, **1998**, 120, 13389-13397	16.4	166
195	Methane complete and partial oxidation catalyzed by Pt-doped CeO2. *Journal of Catalysis*, **2010**, 273, 125-137	7.3	163
194	High-rate FeS2/CNT neural network nanostructure composite anodes for stable, high-capacity sodium-ion batteries. *Nano Energy*, **2018**, 46, 117-127	17.1	162
193	Synthesis of highly ordered mesoporous silica materials using sodium silicate and amphiphilic block copolymers. *Chemical Communications*, **2000**, 1159-1160	5.8	158
192	Hydrothermal syntheses and structures of three one-dimensional heteropolytungstates formed by Dawson or Keggin cluster units. *Dalton Transactions RSC*, **2001**, 2009-2014		158
191	NIR-triggered release of caged nitric oxide using upconverting nanostructured materials. *Small*, **2012**, 8, 3800-5	11	154
190	Fluorescence upconversion microbarcodes for multiplexed biological detection: nucleic acid encoding. *Advanced Materials*, **2011**, 23, 3775-9	24	154
189	Container effect in nanocasting synthesis of mesoporous metal oxides. *Journal of the American Chemical Society*, **2011**, 133, 14542-5	16.4	150
188	Electromagnetic microwave absorption theory and recent achievements in microwave absorbers. *Carbon*, **2020**, 168, 606-623	10.4	148
187	Harnessing the sol-gel process for the assembly of non-silicate mesostructured oxide materials. *Accounts of Chemical Research*, **2007**, 40, 784-92	24.3	145
186	A general route to diverse mesoporous metal oxide submicrospheres with highly crystalline frameworks. *Angewandte Chemie - International Edition*, **2008**, 47, 8682-6	16.4	143
185	Spatially heterogeneous carbon-fiber papers as surface dendrite-free current collectors for lithium deposition. *Nano Today*, **2012**, 7, 10-20	17.9	140
184	Microemulsion Templates for Mesoporous Silica. *Langmuir*, **2000**, 16, 356-361	4	134

183	Synthesis and photocatalytic properties of highly crystalline and ordered mesoporous TiO2 thin films. *Chemical Communications*, **2004**, 1670-1	5.8	130
182	3-D molecular assembly of function in titania-based composite material systems. *Accounts of Chemical Research*, **2005**, 38, 263-71	24.3	129
181	Mesoporous Silica Fibers:´Synthesis, Internal Structure, and Growth Kinetics. *Chemistry of Materials*, **2001**, 13, 3587-3595	9.6	129
180	On the plasmonic photovoltaic. *ACS Nano*, **2014**, 8, 6066-73	16.7	128
179	Formation of Hollow Upconversion Rare-Earth Fluoride Nanospheres: Nanoscale Kirkendall Effect During Ion Exchange. *Chemistry of Materials*, **2009**, 21, 5237-5243	9.6	128
178	Band structures and thermoelectric properties of the clathrates Ba8Ga16Ge30, Sr8Ga16Ge30, Ba8Ga16Si30, and Ba8In16Sn30. *Journal of Chemical Physics*, **2001**, 115, 8060-8073	3.9	128
177	Structure and stability of the clathrates Ba8Ga16Ge30, Sr8Ga16Ge30, Ba8Ga16Si30, and Ba8In16Sn30. *Journal of Chemical Physics*, **2001**, 114, 10063-10074	3.9	126
176	Spontaneous formation of nanoparticle vesicles from homopolymer polyelectrolytes. *Journal of the American Chemical Society*, **2003**, 125, 8285-9	16.4	125
175	Molecular resolution images of amino acid crystals with the atomic force microscope. *Nature*, **1988**, 332, 332-334	50.4	118
174	Salt effect in the synthesis of mesoporous silica templated by non-ionic block copolymers. *Chemical Communications*, **2001**, 2726-2727	5.8	116
173	Isomorphic Substitution and Postsynthesis Incorporation of Zirconium into MCM-48 Mesoporous Silica. *Journal of Physical Chemistry B*, **1999**, 103, 2037-2041	3.4	115
172	Redox-Enhanced Electrochemical Capacitors: Status, Opportunity, and Best Practices for Performance Evaluation. *ACS Energy Letters*, **2017**, 2, 2581-2590	20.1	112
171	Morphology-selective synthesis of mesoporous SBA-15 particles over micrometer, submicrometer and nanometer scales. *Journal of Materials Chemistry*, **2010**, 20, 8483		111
170	Multifunctional nanosystems at the interface of physical and life sciences. *Nano Today*, **2009**, 4, 27-36	17.9	111
169	Charge-driven flocculation of poly(L-lysine)-gold nanoparticle assemblies leading to hollow microspheres. *Journal of the American Chemical Society*, **2004**, 126, 5292-9	16.4	111
168	Large Format Surface-Enhanced Raman Spectroscopy Substrate Optimized for Enhancement and Uniformity. *ACS Nano*, **2016**, 10, 7566-71	16.7	111
167	Rapid Microwave Preparation of Thermoelectric TiNiSn and TiCoSb Half-Heusler Compounds. *Chemistry of Materials*, **2012**, 24, 2558-2565	9.6	109
166	Ag/AgCl-Loaded Ordered Mesoporous Anatase for Photocatalysis. *Chemistry of Materials*, **2005**, 17, 1409-1415	9.6	106

165	Review on comprehending and enhancing the initial Coulombic efficiency of anode materials in lithium-ion/sodium-ion batteries. *Nano Energy*, **2020**, 77, 105143	17.1	106
164	Hollow Microporous Cerium Oxide Spheres Templated By Colloidal Silica. *Chemistry of Materials*, **2009**, 21, 4577-4582	9.6	105
163	Three-Dimensional Macroscopic Assemblies of Low-Dimensional Carbon Nitrides for Enhanced Hydrogen Evolution. *Angewandte Chemie*, **2013**, 125, 11289-11293	3.6	102
162	Low-temperature pseudomorphic transformation of ordered hierarchical macro-mesoporous SiO2/C nanocomposite to SiC via magnesiothermic reduction. *Journal of the American Chemical Society*, **2010**, 132, 5552-3	16.4	101
161	Discovery of abnormal lithium-storage sites in molybdenum dioxide electrodes. *Nature Communications*, **2016**, 7, 11049	17.4	100
160	Surfactant-free synthesis of Bi2Te3-Te micro-nano heterostructure with enhanced thermoelectric figure of merit. *ACS Nano*, **2011**, 5, 3158-65	16.7	96
159	Improving the thermoelectric properties of half-Heusler TiNiSn through inclusion of a second full-Heusler phase: microwave preparation and spark plasma sintering of TiNi(1+x)Sn. *Physical Chemistry Chemical Physics*, **2013**, 15, 6990-7	3.6	95
158	Enhanced environmental mobility of carbon nanotubes in the presence of humic acid and their removal from aqueous solution. *Small*, **2008**, 4, 2166-70	11	95
157	Size-Dependent Activity of Gold Nanoparticles for Oxygen Electroreduction in Alkaline Electrolyte. *Journal of Physical Chemistry C*, **2008**, 112, 10515-10519	3.8	92
156	Mesostructured materials for optical applications: from low-k dielectrics to sensors and lasers. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2001**, 57, 2049-60	4.4	91
155	High Thermoelectric Performance of a Heterogeneous PbTe Nanocomposite. *Chemistry of Materials* , **2015**, 27, 944-949	9.6	90
154	Silver-based intermetallic heterostructures in Sb2Te3 thick films with enhanced thermoelectric power factors. *Nano Letters*, **2012**, 12, 1075-80	11.5	89
153	Double-Layered Plasmonic-Magnetic Vesicles by Self-Assembly of Janus Amphiphilic Gold-Iron(II,III) Oxide Nanoparticles. *Angewandte Chemie - International Edition*, **2017**, 56, 8110-8114	16.4	88
152	Nickel oxide encapsulated nitrogen-rich carbon hollow spheres with multiporosity for high-performance pseudocapacitors having extremely robust cycle life. *Energy and Environmental Science*, **2015**, 8, 188-194	35.4	87
151	Fundamentally Addressing Bromine Storage through Reversible Solid-State Confinement in Porous Carbon Electrodes: Design of a High-Performance Dual-Redox Electrochemical Capacitor. *Journal of the American Chemical Society*, **2017**, 139, 9985-9993	16.4	87
150	Rare-earth upconverting nanobarcodes for multiplexed biological detection. *Small*, **2011**, 7, 1972-6	11	87
149	Metal oxide surface charge mediated hemostasis. *Langmuir*, **2007**, 23, 11233-8	4	86
148	Inkjet printing assisted synthesis of multicomponent mesoporous metal oxides for ultrafast catalyst exploration. *Nano Letters*, **2012**, 12, 5733-9	11.5	83

147	Novel Germanate Zeolite Structures with 3-Rings. *Journal of the American Chemical Society*, **1998**, 120, 11204-11205	16.4	83
146	A High Capacity Calcium Primary Cell Based on the Ca–S System. *Advanced Energy Materials*, **2013**, 3, 1056-1061	21.8	81
145	Synthesis of Mesoporous Silica from Commercial Poly(ethylene oxide)/Poly(butylene oxide) Copolymers: Toward the Rational Design of Ordered Mesoporous Materials. *Journal of Physical Chemistry B*, **2003**, 107, 13368-13375	3.4	78
144	Panchromatic photoproduction of H2 with surface plasmons. *Nano Letters*, **2015**, 15, 2132-6	11.5	74
143	Heterostructured Approaches to Efficient Thermoelectric Materials. *Chemistry of Materials*, **2014**, 26, 837-848	9.6	74
142	Markedly Improved CO2 Capture Efficiency and Stability of Gallium Substituted Hydrotalcites at Elevated Temperatures. *Chemistry of Materials*, **2009**, 21, 3473-3475	9.6	74
141	Structural analysis of hybrid titania-based mesostructured composites. *Journal of the American Chemical Society*, **2005**, 127, 9721-30	16.4	74
140	Synthesis of Mesoporous Carbon Foams Templated by Organic Colloids. *Chemistry of Materials*, **2002**, 14, 1665-1670	9.6	74
139	Testing of modified zeolite hemostatic dressings in a large animal model of lethal groin injury. *Journal of Trauma*, **2006**, 61, 1312-20		73
138	Constructing Hierarchical Porous Zeolites via Kinetic Regulation. *Journal of the American Chemical Society*, **2015**, 137, 11238-41	16.4	70
137	Amidoximes: promising candidates for CO2 capture. *Energy and Environmental Science*, **2011**, 4, 4528	35.4	70
136	Controlling Bioprocesses with Inorganic Surfaces: Layered Clay Hemostatic Agents. *Chemistry of Materials*, **2007**, 19, 4390-4392	9.6	70
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134	A mesoporous anisotropic n-type Bi□Te□ monolith with low thermal conductivity as an efficient thermoelectric material. *Advanced Materials*, **2012**, 24, 5065-70	24	68
133	Synthesis of Mesoporous Silica Nanofibers with Controlled Pore Architectures. *Chemistry of Materials*, **2004**, 16, 5169-5181	9.6	68
132	Optimizing Sol□el Infiltration and Processing Methods for the Fabrication of High-Quality Planar Titania Inverse Opals. *Chemistry of Materials*, **2008**, 20, 4925-4930	9.6	66
131	Phase stability and property evolution of biphasic TiNiSn alloys for use in thermoelectric applications. *Journal of Applied Physics*, **2014**, 115, 043720	2.5	65
130	Cubic mesoporous frameworks with a mixed semiconductor nanocrystalline wall structure and enhanced sensitivity to visible light. *Angewandte Chemie - International Edition*, **2004**, 43, 3037-40	16.4	64

129	One-step synthesis of ordered mesocomposites with non-ionic amphiphilic block copolymers: implications of isoelectric point, hydrolysis rate and fluoride. *Chemical Communications*, **2000**, 2437-2438	5.8	64
128	High Energy Density Aqueous Electrochemical Capacitors with a KI-KOH Electrolyte. *ACS Applied Materials & Interfaces*, **2015**, 7, 19978-85	9.5	61
127	Efficient Charge Storage in Dual-Redox Electrochemical Capacitors through Reversible Counterion-Induced Solid Complexation. *Journal of the American Chemical Society*, **2016**, 138, 9373-6	16.4	61
126	Microcavity Lasing from Block Peptide Hierarchically Assembled Quantum Dot Spherical Resonators. *Nano Letters*, **2003**, 3, 907-911	11.5	61
125	Dye-activated hybrid organic/inorganic mesostructured titania waveguides. *Journal of the American Chemical Society*, **2004**, 126, 10826-7	16.4	59
124	Bimodal Mesoporous Titanium Nitride/Carbon Microfibers as Efficient and Stable Electrocatalysts for Li□O2 Batteries. *Chemistry of Materials*, **2013**, 25, 3779-3781	9.6	56
123	Synthesis and luminescence properties of mesostructured thin films activated by in-situ formed trivalent rare earth ion complexes. *Chemical Communications*, **2002**, 2474-2475	5.8	56
122	Enhanced thermoelectric properties of bulk TiNiSn via formation of a TiNi2Sn second phase. *Applied Physics Letters*, **2012**, 101, 183902	3.4	55
121	Synthesis of Mesocellular Silica Foams with Tunable Window and Cell Dimensions. *Chemistry of Materials*, **2001**, 13, 28-34	9.6	55
120	Control of Inorganic Layer Thickness in Self-Assembled Iron Oxide/Surfactant Composites. *Journal of the American Chemical Society*, **1997**, 119, 8652-8661	16.4	54
119	Hot carrier filtering in solution processed heterostructures: a paradigm for improving thermoelectric efficiency. *Advanced Materials*, **2014**, 26, 2755-61, 2618	24	51
118	Field-Directed and Confined Molecular Assembly of Mesostructured Materials: Basic Principles and New Opportunities. *Chemistry of Materials*, **2008**, 20, 909-921	9.6	51
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116	Comparative Study of XPS and DFT with Reference to the Distributions of Al in Tetrahedral and Octahedral Sheets of Phyllosilicates. *Journal of Physical Chemistry B*, **1997**, 101, 1125-1129	3.4	50
115	Micrometer-sized spherical assemblies of polypeptides and small molecules by acid-base chemistry. *Angewandte Chemie - International Edition*, **2004**, 43, 5652-5	16.4	50
114	Host□Guest Symmetry and Charge Matching in Two Germanates with Intersecting Three-Dimensional Channels. *Chemistry of Materials*, **2000**, 12, 1505-1507	9.6	50
113	Multifunctional Mesostructured Silica Microspheres from an Ultrasonic Aerosol Spray. *Advanced Functional Materials*, **2008**, 18, 2956-2962	15.6	49
112	Oxide hemostatic activity. *Journal of the American Chemical Society*, **2006**, 128, 8384-5	16.4	49

111	Porous carbon and carbon/metal oxide microfibers with well-controlled pore structure and interface. *Journal of the American Chemical Society*, **2008**, 130, 5034-5	16.4	48
110	Host-guest composites for induced hemostasis and therapeutic healing in traumatic injuries. *Journal of Thrombosis and Thrombolysis*, **2006**, 22, 55-67	5.1	48
109	Single-crystal mesoporous silica ribbons. *Angewandte Chemie - International Edition*, **2004**, 44, 332-6	16.4	48
108	Dual-reporter SERS-based biomolecular assay with reduced false-positive signals. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 9056-9061	11.5	47
107	Silica-Encapsulated Pd Nanoparticles as a Regenerable and Sintering-Resistant Catalyst. *ChemCatChem*, **2010**, 2, 1318-1324	5.2	47
106	Blood clot initiation by mesocellular foams: dependence on nanopore size and enzyme immobilization. *Langmuir*, **2008**, 24, 14254-60	4	47
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104	An integrated process for partial oxidation of alkanes. *Chemical Communications*, **2003**, 2294-5	5.8	44
103	Clotting activity of polyphosphate-functionalized silica nanoparticles. *Angewandte Chemie - International Edition*, **2015**, 54, 4018-22	16.4	43
102	Mesoporous Fe-doped TiO2 sub-microspheres with enhanced photocatalytic activity under visible light illumination. *Applied Catalysis B: Environmental*, **2012**, 127, 175-181	21.8	43
101	The Synthesis and Ab Initio Structure Determination of Zn4O(BO3)2, a Microporous, Zincoborate Constructed of Fused Subunits, of Three- and Five-Membered Rings. *Angewandte Chemie International Edition in English*, **1993**, 32, 724-726		43
100	Uniform Concave Polystyrene-Carbon Core-Shell Nanospheres by a Swelling Induced Buckling Process. *Journal of the American Chemical Society*, **2015**, 137, 9772-5	16.4	42
99	Control of structural ordering in crystalline lamellar aluminophosphates with periodicity from 51 to 62 A. *Inorganic Chemistry*, **2000**, 39, 2-3	5.1	42
98	Ein poröses Zirconiumoxophosphat sehr hoher Oberfläche durch eine tensidunterstützte Synthese. *Angewandte Chemie*, **1996**, 108, 597-600	3.6	42
97	C1 Coupling via bromine activation and tandem catalytic condensation and neutralization over CaO/zeolite composites. *Chemical Communications*, **2004**, 566-7	5.8	41
96	First Open-Framework Zinc Germanates by a Molecular Templating Route. *Chemistry of Materials*, **2000**, 12, 1811-1813	9.6	39
95	Carbon nitride supported AgPd alloy nanocatalysts for dehydrogenation of formic acid under visible light. *Journal of Materials Chemistry A*, **2017**, 5, 6382-6387	13	38
94	Alkane bromination revisited: "reproportionation" in gas-phase methane bromination leads to higher selectivity for CH3Br at moderate temperatures. *Journal of Physical Chemistry A*, **2006**, 110, 8695-700	2.8	37

93	Stackable bipolar pouch cells with corrosion-resistant current collectors enable high-power aqueous electrochemical energy storage. *Energy and Environmental Science*, **2018**, 11, 2865-2875	35.4	36
92	Sensitized Luminescence of Trivalent Europium by Three-Dimensionally Arranged Anatase Nanocrystals in Mesostructured Titania Thin Films. *Angewandte Chemie*, **2002**, 114, 1001-1004	3.6	35
91	Isolation of Germanate Sheets with Three-Membered Rings: A Possible Precursor to Three-Dimensional Zeolite-Type Germanates. *Chemistry of Materials*, **1999**, 11, 3423-3424	9.6	34
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