

Lennart Bergstrm

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.

204 papers	11,982 citations	57 h-index	104 g-index
215 ext. papers	13,477 ext. citations	7.2 avg, IF	6.82 L-index

#	Paper	IF	Citations
204	Time-Resolved SAXS Study of Polarity- and Surfactant-Controlled Superlattice Transformations of Oleate-Capped Nanocubes During Solvent Removal.. <i>Small</i> , 2022 , e2106768	11	0
203	Functional WoodFoam Composites for Controlled Uptake and Release. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 15571-15581	8.3	0
202	Thermally Insulating Nanocellulose-Based Materials. <i>Advanced Materials</i> , 2021 , 33, e2001839	24	64
201	Moisture uptake in nanocellulose: the effects of relative humidity, temperature and degree of crystallinity. <i>Cellulose</i> , 2021 , 28, 9007-9021	5.5	3
200	Humidity-Dependent Thermal Boundary Conductance Controls Heat Transport of Super-Insulating Nanofibrillar Foams. <i>Matter</i> , 2021 , 4, 276-289	12.7	8
199	Local Crystallinity in Twisted Cellulose Nanofibers. <i>ACS Nano</i> , 2021 , 15, 2730-2737	16.7	19
198	Assembly of cellulose nanocrystals and clay nanoplatelets studied by time-resolved X-ray scattering. <i>Soft Matter</i> , 2021 , 17, 5747-5755	3.6	0
197	Unravelling the Hydration Barrier of Lignin Oleate Nanoparticles for Acid- and Base-Catalyzed Functionalization in Dispersion State. <i>Angewandte Chemie</i> , 2021 , 133, 21065-21073	3.6	0
196	Unravelling the Hydration Barrier of Lignin Oleate Nanoparticles for Acid- and Base-Catalyzed Functionalization in Dispersion State. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 20897-20905	16.4	13
195	Effect of density, phonon scattering and nanoporosity on the thermal conductivity of anisotropic cellulose nanocrystal foams. <i>Scientific Reports</i> , 2021 , 11, 18685	4.9	0
194	Best Practice for Reporting Wet Mechanical Properties of Nanocellulose-Based Materials. <i>Biomacromolecules</i> , 2020 , 21, 2536-2540	6.9	14
193	Antioxidant and UV-Blocking Leather-Inspired Nanocellulose-Based Films with High Wet Strength. <i>Biomacromolecules</i> , 2020 , 21, 1720-1728	6.9	24
192	Strong silica-nanocellulose anisotropic composite foams combine low thermal conductivity and low moisture uptake. <i>Cellulose</i> , 2020 , 27, 10825-10836	5.5	8
191	Temporal Evolution of Superlattice Contraction and Defect-Induced Strain Anisotropy in Mesocrystals during Nanocube Self-Assembly. <i>ACS Nano</i> , 2020 , 14, 5337-5347	16.7	20
190	Sclerotization-Inspired Aminoquinone Cross-Linking of Thermally Insulating and Moisture-Resilient Biobased Foams. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 17408-17416	8.3	5
189	Strong size selectivity in the self-assembly of rounded nanocubes into 3D mesocrystals. <i>Nanoscale Horizons</i> , 2020 , 5, 1065-1072	10.8	5
188	Two-Stage Assembly of Mesocrystal Fibers with Tunable Diameters in Weak Magnetic Fields. <i>Nano Letters</i> , 2020 , 20, 7359-7366	11.5	8

187	Tunable assembly of truncated nanocubes by evaporation-driven poor-solvent enrichment. <i>Nature Communications</i> , 2019 , 10, 4228	17.4	15
186	Assembly, Gelation, and Helicoidal Consolidation of Nanocellulose Dispersions. <i>Langmuir</i> , 2019 , 35, 3600-3606	13.6	15
185	Functionalization and patterning of nanocellulose films by surface-bound nanoparticles of hydrolyzable tannins and multivalent metal ions. <i>Nanoscale</i> , 2019 , 11, 19278-19284	7.7	10
184	Elastic Aerogels of Cellulose Nanofibers@Metal-Organic Frameworks for Thermal Insulation and Fire Retardancy. <i>Nano-Micro Letters</i> , 2019 , 12, 9	19.5	57
183	Characterisation and processing of aqueous LaNi _{0.6} Fe _{0.4} O ₃ Suspensions into Porous Electrode Layers for Alkaline Water Electrolysis. <i>Journal of the European Ceramic Society</i> , 2019 , 39, 1271-1278	6	0
182	Fire-Retardant and Thermally Insulating Phenolic-Silica Aerogels. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 4538-4542	16.4	145
181	Fire-Retardant and Thermally Insulating Phenolic-Silica Aerogels. <i>Angewandte Chemie</i> , 2018 , 130, 4628-4632	16.2	6
180	Preparation of cellulose nanofibers using green and sustainable chemistry. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2018 , 12, 15-21	7.9	50
179	Nanoscale Assembly of Cellulose Nanocrystals during Drying and Redispersion. <i>ACS Macro Letters</i> , 2018 , 7, 172-177	6.6	25
178	Acid-Free Preparation of Cellulose Nanocrystals by TEMPO Oxidation and Subsequent Cavitation. <i>Biomacromolecules</i> , 2018 , 19, 633-639	6.9	116
177	Thermal conductivity of hygroscopic foams based on cellulose nanofibrils and a nonionic polyoxamer. <i>Cellulose</i> , 2018 , 25, 1117-1126	5.5	25
176	Time-resolved viscoelastic properties of self-assembling iron oxide nanocube superlattices probed by quartz crystal microbalance with dissipation monitoring. <i>Journal of Colloid and Interface Science</i> , 2018 , 522, 104-110	9.3	8
175	Dual-Fiber Approach toward Flexible Multifunctional Hybrid Materials. <i>Advanced Functional Materials</i> , 2018 , 28, 1704274	15.6	20
174	Transparent and Flexible Nacre-Like Hybrid Films of Aminoclays and Carboxylated Cellulose Nanofibrils. <i>Advanced Functional Materials</i> , 2018 , 28, 1703277	15.6	41
173	Assembly of cellulose nanocrystals in a levitating drop probed by time-resolved small angle X-ray scattering. <i>Nanoscale</i> , 2018 , 10, 18113-18118	7.7	19
172	Lightweight foams of amine-rich organosilica and cellulose nanofibrils by foaming and controlled condensation of aminosilane. <i>Materials Chemistry Frontiers</i> , 2018 , 2, 2220-2229	7.8	5
171	3D Printing of Strong Lightweight Cellular Structures Using Polysaccharide-Based Composite Foams. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 17160-17167	8.3	14
170	Wood-inspired engineering materials. <i>Science China Materials</i> , 2018 , 61, 1625-1626	7.1	2

169	Electrochromism: Dual-Fiber Approach toward Flexible Multifunctional Hybrid Materials (Adv. Funct. Mater. 27/2018). <i>Advanced Functional Materials</i> , 2018 , 28, 1870186	15.6	
168	Effect of 10 wt% VC on the Friction and Sliding Wear of Spark Plasma Sintered WC/2 wt% Co Cemented Carbides. <i>Tribology Transactions</i> , 2017 , 60, 276-283	1.8	6
167	A CaCO ₃ /nanocellulose-based bioinspired nacre-like material. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 16128-16133	13	23
166	Steady-shear and viscoelastic properties of cellulose nanofibril/clay dispersions. <i>Cellulose</i> , 2017 , 24, 1815-1824	5.5	14
165	Superlattice growth and rearrangement during evaporation-induced nanoparticle self-assembly. <i>Scientific Reports</i> , 2017 , 7, 2802	4.9	57
164	Nanocellulose-based foams and aerogels: processing, properties, and applications. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 16105-16117	13	335
163	Following the Assembly of Iron Oxide Nanocubes by Video Microscopy and Quartz Crystal Microbalance with Dissipation Monitoring. <i>Langmuir</i> , 2017 , 33, 303-310	4	11
162	Thin zeolite laminates for rapid and energy-efficient carbon capture. <i>Scientific Reports</i> , 2017 , 7, 10988	4.9	8
161	Nanocellulose-Based Materials for Water Purification. <i>Nanomaterials</i> , 2017 , 7,	5.4	255
160	Tuning the structure and habit of iron oxide mesocrystals. <i>Nanoscale</i> , 2016 , 8, 15571-80	7.7	21
159	Following in Real Time the Two-Step Assembly of Nanoparticles into Mesocrystals in Levitating Drops. <i>Nano Letters</i> , 2016 , 16, 6838-6843	11.5	48
158	Interfacial strain and defects in asymmetric Fe-Mn oxide hybrid nanoparticles. <i>Nanoscale</i> , 2016 , 8, 14171-77	7.7	6
157	Stabilizing nanocellulose-nonionic surfactant composite foams by delayed Ca-induced gelation. <i>Journal of Colloid and Interface Science</i> , 2016 , 472, 44-51	9.3	34
156	Tuning the Nanocellulose/Borate Interaction To Achieve Highly Flame Retardant Hybrid Materials. <i>Chemistry of Materials</i> , 2016 , 28, 1985-1989	9.6	74
155	Cholesteric liquid crystal formation in suspensions of cellulose nanocrystals. <i>Series in Soft Condensed Matter</i> , 2016 , 871-897		1
154	Directional Freezing of Nanocellulose Dispersions Aligns the Rod-Like Particles and Produces Low-Density and Robust Particle Networks. <i>Biomacromolecules</i> , 2016 , 17, 1875-81	6.9	118
153	Nanocellulose-Zeolite Composite Films for Odor Elimination. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 14254-62	9.5	35
152	Understanding nanocellulose chirality and structure-properties relationship at the single fibril level. <i>Nature Communications</i> , 2015 , 6, 7564	17.4	290

151	Rod Packing in Chiral Nematic Cellulose Nanocrystal Dispersions Studied by Small-Angle X-ray Scattering and Laser Diffraction. <i>Langmuir</i> , 2015 , 31, 6507-13	4	137
150	Mechanical performance and CO ₂ uptake of ion-exchanged zeolite A structured by freeze-casting. <i>Journal of the European Ceramic Society</i> , 2015 , 35, 2607-2618	6	44
149	Multicolor fluorescent labeling of cellulose nanofibrils by click chemistry. <i>Biomacromolecules</i> , 2015 , 16, 1293-300	6.9	58
148	Mesocrystals in Biominerals and Colloidal Arrays. <i>Accounts of Chemical Research</i> , 2015 , 48, 1391-402	24.3	129
147	Controlling Orientational and Translational Order of Iron Oxide Nanocubes by Assembly in Nanofluidic Containers. <i>Langmuir</i> , 2015 , 31, 12537-43	4	13
146	Preparation of graded silicalite-1 substrates for all-zeolite membranes with excellent CO ₂ /H ₂ separation performance. <i>Journal of Membrane Science</i> , 2015 , 493, 206-211	9.6	16
145	Thermally insulating and fire-retardant lightweight anisotropic foams based on nanocellulose and graphene oxide. <i>Nature Nanotechnology</i> , 2015 , 10, 277-83	28.7	820
144	Confined self-assembly of cellulose nanocrystals in a shrinking droplet. <i>Soft Matter</i> , 2015 , 11, 5374-80	3.6	34
143	Origin of the large dispersion of magnetic properties in nanostructured oxides: Fe _x O/Fe ₃ O ₄ nanoparticles as a case study. <i>Nanoscale</i> , 2015 , 7, 3002-15	7.7	63
142	Macroscopic control of helix orientation in films dried from cholesteric liquid-crystalline cellulose nanocrystal suspensions. <i>ChemPhysChem</i> , 2014 , 15, 1477-84	3.2	112
141	Structuring adsorbents and catalysts by processing of porous powders. <i>Journal of the European Ceramic Society</i> , 2014 , 34, 1643-1666	6	208
140	Spin excitations in cubic maghemite nanoparticles studied by time-of-flight neutron spectroscopy. <i>Physical Review B</i> , 2014 , 89,	3.3	7
139	Labelling of N-hydroxysuccinimide-modified rhodamine B on cellulose nanofibrils by the amidation reaction. <i>RSC Advances</i> , 2014 , 4, 60757-60761	3.7	21
138	Cellulose nanocrystal-based materials: from liquid crystal self-assembly and glass formation to multifunctional thin films. <i>NPG Asia Materials</i> , 2014 , 6, e80-e80	10.3	554
137	WO ₃ nanorods created by self-assembly of highly crystalline nanowires under hydrothermal conditions. <i>Langmuir</i> , 2014 , 30, 10487-92	4	47
136	Dynamic growth modes of ordered arrays and mesocrystals during drop-casting of iron oxide nanocubes. <i>CrystEngComm</i> , 2014 , 16, 1443-1450	3.3	25
135	Phase identification and structure solution by three-dimensional electron diffraction tomography: Gd-phosphate nanorods. <i>Inorganic Chemistry</i> , 2014 , 53, 5067-72	5.1	15
134	Strong discs of activated carbons from hydrothermally carbonized beer waste. <i>Carbon</i> , 2014 , 78, 521-531	10.4	11

133	Omnidispersible poly(ionic liquid)-functionalized cellulose nanofibrils: surface grafting and polymer membrane reinforcement. <i>Chemical Communications</i> , 2014 , 50, 12486-9	5.8	29
132	Pre-nucleation clusters as solute precursors in crystallisation. <i>Chemical Society Reviews</i> , 2014 , 43, 2348-7485	48.5	557
131	Methylcellulose-Directed Synthesis of Nanocrystalline Zeolite NaA with High CO ₂ Uptake. <i>Materials</i> , 2014 , 7, 5507-5519	3.5	21
130	Probing planar defects in nanoparticle superlattices by 3D small-angle electron diffraction tomography and real space imaging. <i>Nanoscale</i> , 2014 , 6, 13803-8	7.7	11
129	Precise control over shape and size of iron oxide nanocrystals suitable for assembly into ordered particle arrays. <i>Science and Technology of Advanced Materials</i> , 2014 , 15, 055010	7.1	72
128	Aluminophosphate monoliths with high CO ₂ -over-N ₂ selectivity and CO ₂ capture capacity. <i>RSC Advances</i> , 2014 , 4, 55877-55883	3.7	18
127	Deposition of silica nanoparticles onto alumina measured by optical reflectometry and quartz crystal microbalance with dissipation techniques. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014 , 443, 384-390	5.1	11
126	Anomalous magnetic properties of nanoparticles arising from defect structures: topotaxial oxidation of Fe(1-x)O[Fe(3-x)O ₄ core]shell nanocubes to single-phase particles. <i>ACS Nano</i> , 2013 , 7, 7132-44	16.7	133
125	Laminated adsorbents with very rapid CO ₂ uptake by freeze-casting of zeolites. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 2669-76	9.5	57
124	Structural diversity in iron oxide nanoparticle assemblies as directed by particle morphology and orientation. <i>Nanoscale</i> , 2013 , 5, 3969-75	7.7	46
123	Lightweight and strong cellulose materials made from aqueous foams stabilized by nanofibrillated cellulose. <i>Biomacromolecules</i> , 2013 , 14, 503-11	6.9	150
122	Dielectric properties of lignin and glucomannan as determined by spectroscopic ellipsometry and Lifshitz estimates of non-retarded Hamaker constants. <i>Cellulose</i> , 2013 , 20, 1639-1648	5.5	22
121	Selective and ATP-driven transport of ions across supported membranes into nanoporous carriers using gramicidin A and ATP synthase. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 2733-40	3.6	8
120	Adsorbents for the post-combustion capture of CO ₂ using rapid temperature swing or vacuum swing adsorption. <i>Applied Energy</i> , 2013 , 104, 418-433	10.7	287
119	2D to 3D crossover of the magnetic properties in ordered arrays of iron oxide nanocrystals. <i>Nanoscale</i> , 2013 , 5, 953-60	7.7	38
118	Dispersion and surface functionalization of oxide nanoparticles for transparent photocatalytic and UV-protecting coatings and sunscreens. <i>Science and Technology of Advanced Materials</i> , 2013 , 14, 023001	7.1	201
117	Evaluating Pore Space in Macroporous Ceramics with Water-Based Porosimetry. <i>Journal of the American Ceramic Society</i> , 2013 , 96, 1916-1922	3.8	4
116	Chemical durability of hierarchically porous silicalite-I membrane substrates in aqueous media. <i>Journal of Materials Research</i> , 2013 , 28, 2253-2259	2.5	3

115	Embedded proteins and sacrificial bonds provide the strong adhesive properties of gastroliths. <i>Nanoscale</i> , 2012 , 4, 3910-6	7.7	15
114	Colloidal processing and CO2 capture performance of sacrificially templated zeolite monoliths. <i>Applied Energy</i> , 2012 , 97, 289-296	10.7	48
113	Strong and binder free structured zeolite sorbents with very high CO2-over-N2 selectivities and high capacities to adsorb CO2 rapidly. <i>Energy and Environmental Science</i> , 2012 , 5, 7664	35.4	122
112	Phase transitions and thermodynamic properties of dense assemblies of truncated nanocubes and cuboctahedra. <i>Nanoscale</i> , 2012 , 4, 4765-71	7.7	10
111	Direct Force Measurements Between Zirconia Surfaces: Influence of the Concentration of Polyacrylic Acid, pH, and Molecular Weight. <i>Ceramic Transactions</i> , 2012 , 35-41	0.1	
110	Quantitative spatial magnetization distribution in iron oxide nanocubes and nanospheres by polarized small-angle neutron scattering. <i>New Journal of Physics</i> , 2012 , 14, 013025	2.9	85
109	Hard and transparent films formed by nanocellulose-TiO2 nanoparticle hybrids. <i>PLoS ONE</i> , 2012 , 7, e45839	3.9	70
108	On the role of tannins and iron in the Bogolan or mud cloth dyeing process. <i>Textile Research Journal</i> , 2012 , 82, 1888-1896	1.7	7
107	Colloidal Processing of Silicon Nitride. <i>Ceramic Transactions</i> , 2012 , 1-34	0.1	
106	Hamaker constants of iron oxide nanoparticles. <i>Langmuir</i> , 2011 , 27, 8659-64	4	93
105	Shape induced symmetry in self-assembled mesocrystals of iron oxide nanocubes. <i>Nano Letters</i> , 2011 , 11, 1651-6	11.5	126
104	A transparent hybrid of nanocrystalline cellulose and amorphous calcium carbonate nanoparticles. <i>Nanoscale</i> , 2011 , 3, 3563-6	7.7	74
103	Colloidal Processing and Thermal Treatment of Binderless Hierarchically Porous Zeolite 13X Monoliths for CO2 Capture. <i>Journal of the American Ceramic Society</i> , 2011 , 94, 92-98	3.8	43
102	Permeability, pore connectivity and critical pore throat control of expandable polymeric sphere templated macroporous alumina. <i>Acta Materialia</i> , 2011 , 59, 1239-1248	8.4	23
101	Hierarchically porous binder-free silicalite-1 discs: a novel support for all-zeolite membranes. <i>Journal of Materials Chemistry</i> , 2011 , 21, 8822		24
100	Intraparticle transport and release of dextran in silica spheres with cylindrical mesopores. <i>Langmuir</i> , 2010 , 26, 466-70	4	8
99	Strong hierarchically porous monoliths by pulsed current processing of zeolite powder assemblies. <i>ACS Applied Materials & Interfaces</i> , 2010 , 2, 732-7	9.5	48
98	Mechanism of traditional Bogolan dyeing technique with clay on cotton fabric. <i>Applied Clay Science</i> , 2010 , 50, 455-460	5.2	15

97	Mesoporous hydrogels: revealing reversible porosity by cryoporometry, X-ray scattering, and gas adsorption. <i>Langmuir</i> , 2010 , 26, 10158-64	4	32
96	Rapid detection of trace amounts of surfactants using nanoparticles in fluorometric assays. <i>Nanoscale</i> , 2010 , 2, 69-71	7.7	15
95	Spray drying of TiO ₂ nanoparticles into redispersible granules. <i>Powder Technology</i> , 2010 , 203, 384-388	5.2	42
94	Proto-Calcite and Proto-Vaterite in Amorphous Calcium Carbonates. <i>Angewandte Chemie</i> , 2010 , 122, 9073-9075	3.6	61
93	Proto-calcite and proto-vaterite in amorphous calcium carbonates. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 8889-91	16.4	232
92	Improved enzymatic activity of <i>Thermomyces lanuginosus</i> lipase immobilized in a hydrophobic particulate mesoporous carrier. <i>Journal of Colloid and Interface Science</i> , 2010 , 343, 359-65	9.3	48
91	The effect of temperature on the pulsed current processing behaviour and structural characteristics of porous ZSM-5 and zeolite Y monoliths. <i>Journal of the European Ceramic Society</i> , 2010 , 30, 2977-2983	6	9
90	Three-dimensional structure analysis by X-ray micro-computed tomography of macroporous alumina templated with expandable microspheres. <i>Journal of the European Ceramic Society</i> , 2010 , 30, 2547-2554	6	22
89	A study of the sintering of diatomaceous earth to produce porous ceramic monoliths with bimodal porosity and high strength. <i>Powder Technology</i> , 2010 , 201, 253-257	5.2	79
88	Hierarchically Porous Ceramics from Diatomite Powders by Pulsed Current Processing. <i>Journal of the American Ceramic Society</i> , 2009 , 92, 338-343	3.8	59
87	Temperature-induced formation of strong gels of acrylamide-based polyelectrolytes. <i>Journal of Colloid and Interface Science</i> , 2009 , 337, 46-53	9.3	4
86	A membrane-reconstituted multisubunit functional proton pump on mesoporous silica particles. <i>ACS Nano</i> , 2009 , 3, 2639-46	16.7	31
85	Impact of Cross-Linking Density and Glassy Chain Dynamics on Pore Stability in Mesoporous Poly(styrene). <i>Macromolecules</i> , 2009 , 42, 8234-8240	5.5	26
84	Tuning the Aspect Ratio of Ceria Nanorods and Nanodumbbells by a Face-Specific Growth and Dissolution Process. <i>Crystal Growth and Design</i> , 2008 , 8, 1798-1800	3.5	40
83	Superlubricity using repulsive van der Waals forces. <i>Langmuir</i> , 2008 , 24, 2274-6	4	83
82	Controlling the Assembly of Nanocrystalline ZnO Films by a Transient Amorphous Phase in Solution. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 5373-5383	3.8	23
81	Release and molecular transport of cationic and anionic fluorescent molecules in mesoporous silica spheres. <i>Langmuir</i> , 2008 , 24, 11096-102	4	26
80	Mössbauer and magnetization studies of iron oxide nanocrystals. <i>Hyperfine Interactions</i> , 2008 , 183, 49-53	0.8	25

79	Colloidal aspects relating to direct incorporation of TiO ₂ nanoparticles into mesoporous spheres by an aerosol-assisted process. <i>Journal of Colloid and Interface Science</i> , 2008 , 319, 144-51	9.3	23
78	Preparation of iron oxide nanocrystals by surfactant-free or oleic acid-assisted thermal decomposition of a Fe(III) alkoxide. <i>Journal of Magnetism and Magnetic Materials</i> , 2008 , 320, 781-787	2.8	38
77	Gas-filled microspheres as an expandable sacrificial template for direct casting of complex-shaped macroporous ceramics. <i>Journal of the European Ceramic Society</i> , 2008 , 28, 2815-2821	6	44
76	The radial dependence of the spatial mesostructure of monodisperse mesoporous silica spheres. <i>Microporous and Mesoporous Materials</i> , 2008 , 112, 589-596	5.3	8
75	Mössbauer and magnetization studies of iron oxide nanocrystals 2008 , 221-225		
74	Magnetic field-induced assembly of oriented superlattices from maghemite nanocubes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 17570-4	11.5	219
73	Using Differential Scanning Calorimetry to Follow How Gelcasting Proceeds. <i>Journal of the American Ceramic Society</i> , 2007 , 90, 999-1001	3.8	1
72	Multilayer ZrO ₂ Precursor Coated Polystyrene Particles. <i>Key Engineering Materials</i> , 2007 , 280-283, 529-534		
71	Maghemite nanocrystal impregnation by hydrophobic surface modification of mesoporous silica. <i>Langmuir</i> , 2007 , 23, 8838-44	4	35
70	Meso/Macroporous, Mechanically Stable Silica Monoliths of Complex Shape by Controlled Fusion of Mesoporous Spherical Particles. <i>Chemistry of Materials</i> , 2006 , 18, 4933-4938	9.6	44
69	Dispersing Multi-Component and Unstable Powders in Aqueous Media Using Comb-Type Anionic Polymers*. <i>Journal of the American Ceramic Society</i> , 2006 , 89, 1847-1852	3.8	27
68	Relating the molecular structure of comb-type superplasticizers to the compression rheology of MgO suspensions. <i>Cement and Concrete Research</i> , 2006 , 36, 1231-1239	10.3	65
67	Photochromic mesostructured silica pigments dispersed in latex films. <i>Journal of Materials Chemistry</i> , 2005 , 15, 3507		32
66	Migration and precipitation of soluble species during drying of colloidal films. <i>Journal of Colloid and Interface Science</i> , 2005 , 281, 146-54	9.3	1
65	Soluble organic additive effects on stress development during drying of calcium carbonate suspensions. <i>Journal of Colloid and Interface Science</i> , 2005 , 290, 134-44	9.3	29
64	Friction and adhesion of single spray-dried granules containing a hygroscopic polymeric binder. <i>Powder Technology</i> , 2005 , 155, 101-107	5.2	7
63	Probing the effect of superplasticizer adsorption on the surface forces using the colloidal probe AFM technique. <i>Cement and Concrete Research</i> , 2005 , 35, 133-140	10.3	89
62	Density Measurements of Single Granules Using the Atomic Force Microscope. <i>Journal of the American Ceramic Society</i> , 2005 , 88, 2322-2324	3.8	2

61	The Rheology of Cementitious Materials. <i>MRS Bulletin</i> , 2004 , 29, 314-318	3.2	38
60	Novel Powder-Processing Methods for Advanced Ceramics. <i>Journal of the American Ceramic Society</i> , 2004 , 83, 1557-1574	3.8	349
59	Dissolution and Deagglomeration of Silicon Nitride in Aqueous Medium. <i>Journal of the American Ceramic Society</i> , 2004 , 83, 2394-400	3.8	74
58	Silicon Nitride Colloidal Probe Measurements: Interparticle Forces and the Role of Surface-Segment Interactions in Poly(acrylic acid) Adsorption from Aqueous Solution. <i>Journal of the American Ceramic Society</i> , 2004 , 84, 1675-1682	3.8	31
57	Electrostatic Stabilization of Ultrafine Titania in Ethanol. <i>Journal of the American Ceramic Society</i> , 2004 , 85, 523-528	3.8	34
56	Forces Measured between Zirconia Surfaces in Poly(acrylic acid) Solutions. <i>Journal of the American Ceramic Society</i> , 2004 , 82, 1137-1145	3.8	63
55	Stress development during drying of calcium carbonate suspensions containing carboxymethylcellulose and latex particles. <i>Journal of Colloid and Interface Science</i> , 2004 , 272, 1-9	9.3	46
54	Structural features and adsorption behaviour of mesoporous silica particles formed from droplets generated in a spraying chamber. <i>Microporous and Mesoporous Materials</i> , 2004 , 72, 175-183	5.3	54
53	Drying of oil-in-water emulsions on hydrophobic and hydrophilic substrates. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2004 , 233, 155-161	5.1	18
52	Inorganic interfacial engineering: processing of hard materials. <i>Powder Metallurgy</i> , 2004 , 47, 317-331	1.9	
51	Coated polystyrene particles as templates for ordered macroporous silica structures with controlled wall thickness. <i>Journal of Materials Chemistry</i> , 2003 , 13, 496-501		56
50	Effect of crystallization rate and colloidal stability on structural rearrangements during growth of colloidal monolayers. <i>Journal of Colloid and Interface Science</i> , 2003 , 265, 29-35	9.3	4
49	Spray Drying Functionalized Mesostructured Colloids. <i>Materials Research Society Symposia Proceedings</i> , 2003 , 775, 3221		
48	DLVO interactions of tungsten oxide and cobalt oxide surfaces measured with the colloidal probe technique. <i>Journal of Colloid and Interface Science</i> , 2002 , 246, 309-15	9.3	22
47	Effect of the Cobalt Ion and Polyethyleneimine Adsorption on the Surface Forces between Tungsten Oxide and Cobalt Oxide in Aqueous Media. <i>Journal of the American Ceramic Society</i> , 2002 , 85, 2404-2408	3.8	9
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