Lennart BergstrÃ¶m

List of Publications by Year
in descending order

205 papers	15,127 citations	22099 59 h-index	19690 117 g-index
215 all docs	215 docs citations	215 times ranked	16803 citing authors

#	Article	IF	Citations
1	Nanodancing with Moisture: Humidityâ€Sensitive Bilayer Actuator Derived from Cellulose Nanofibrils and Reduced Graphene Oxide. Advanced Intelligent Systems, 2022, 4, 2100084.	3.3	15
2	Rheo-SAXS study of shear-induced orientation and relaxation of cellulose nanocrystal and montmorillonite nanoplatelet dispersions. Soft Matter, 2022, 18, 390-396.	1.2	3
3	Timeâ€Resolved SAXS Study of Polarityâ€•and Surfactantâ€Controlled Superlattice Transformations of Oleateâ€Capped Nanocubes During Solvent Removal. Small, 2022, 18, e2106768.	5.2	1
4	A Stiff, Tough, and Thermally Insulating Air- and Ice-Templated Plant-Based Foam. Biomacromolecules, 2022, 23, 2595-2602.	2.6	6
5	Thermally Insulating Nanocelluloseâ€Based Materials. Advanced Materials, 2021, 33, e2001839.	11.1	153
6	Humidity-Dependent Thermal Boundary Conductance Controls Heat Transport of Super-Insulating Nanofibrillar Foams. Matter, 2021, 4, 276-289.	5.0	20
7	Local Crystallinity in Twisted Cellulose Nanofibers. ACS Nano, 2021, 15, 2730-2737.	7.3	53
8	Assembly of cellulose nanocrystals and clay nanoplatelets studied by time-resolved X-ray scattering. Soft Matter, 2021, 17, 5747-5755.	1.2	5
9	Moisture uptake in nanocellulose: the effects of relative humidity, temperature and degree of crystallinity. Cellulose, 2021, 28, 9007-9021.	2.4	19
10	Unravelling the Hydration Barrier of Lignin Oleate Nanoparticles for Acidâ€•and Baseâ€Catalyzed Functionalization in Dispersion State. Angewandte Chemie, 2021, 133, 21065-21073.	1.6	0
11	Unravelling the Hydration Barrier of Lignin Oleate Nanoparticles for Acidâ€•and Baseâ€Catalyzed Functionalization in Dispersion State. Angewandte Chemie - International Edition, 2021, 60, 20897-20905.	7.2	34
12	Effect of density, phonon scattering and nanoporosity on the thermal conductivity of anisotropic cellulose nanocrystal foams. Scientific Reports, 2021, 11, 18685.	1.6	7
13	Functional Woodâ€"Foam Composites for Controlled Uptake and Release. ACS Sustainable Chemistry and Engineering, 2021, 9, 15571-15581.	3.2	6
14	Elastic Aerogels of Cellulose Nanofibers@Metalâ€"Organic Frameworks for Thermal Insulation and Fire Retardancy. Nano-Micro Letters, 2020, 12, 9.	14.4	104
15	Strong size selectivity in the self-assembly of rounded nanocubes into 3D mesocrystals. Nanoscale Horizons, 2020, 5, 1065-1072.	4.1	9
16	Two-Stage Assembly of Mesocrystal Fibers with Tunable Diameters in Weak Magnetic Fields. Nano Letters, 2020, 20, 7359-7366.	4.5	16
17	Best Practice for Reporting Wet Mechanical Properties of Nanocellulose-Based Materials. Biomacromolecules, 2020, 21, 2536-2540.	2.6	30
18	Antioxidant and UV-Blocking Leather-Inspired Nanocellulose-Based Films with High Wet Strength. Biomacromolecules, 2020, 21, 1720-1728.	2.6	56

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19	Strong silica-nanocellulose anisotropic composite foams combine low thermal conductivity and low moisture uptake. Cellulose, 2020, 27, 10825-10836.	2.4	20
20	Temporal Evolution of Superlattice Contraction and Defect-Induced Strain Anisotropy in Mesocrystals during Nanocube Self-Assembly. ACS Nano, 2020, 14, 5337-5347.	7.3	32
21	Sclerotization-Inspired Aminoquinone Cross-Linking of Thermally Insulating and Moisture-Resilient Biobased Foams. ACS Sustainable Chemistry and Engineering, 2020, 8, 17408-17416.	3.2	11
22	Functionalization and patterning of nanocellulose films by surface-bound nanoparticles of hydrolyzable tannins and multivalent metal ions. Nanoscale, 2019, 11, 19278-19284.	2.8	17
23	Tunable assembly of truncated nanocubes by evaporation-driven poor-solvent enrichment. Nature Communications, 2019, 10, 4228.	5.8	25
24	Assembly, Gelation, and Helicoidal Consolidation of Nanocellulose Dispersions. Langmuir, 2019, 35, 3600-3606.	1.6	25
25	Characterisation and processing of aqueous LaNi0.6Fe0.4O3 Suspensions into Porous Electrode Layers for Alkaline Water Electrolysis. Journal of the European Ceramic Society, 2019, 39, 1271-1278.	2.8	1
26	Fireâ€Retardant and Thermally Insulating Phenolicâ€Silica Aerogels. Angewandte Chemie - International Edition, 2018, 57, 4538-4542.	7.2	266
27	Fireâ€Retardant and Thermally Insulating Phenolicâ€Silica Aerogels. Angewandte Chemie, 2018, 130, 4628-4632.	1.6	173
28	Preparation of cellulose nanofibers using green and sustainable chemistry. Current Opinion in Green and Sustainable Chemistry, 2018, 12, 15-21.	3.2	82
29	Nanoscale Assembly of Cellulose Nanocrystals during Drying and Redispersion. ACS Macro Letters, 2018, 7, 172-177.	2.3	35
30	Acid-Free Preparation of Cellulose Nanocrystals by TEMPO Oxidation and Subsequent Cavitation. Biomacromolecules, 2018, 19, 633-639.	2.6	165
31	Thermal conductivity of hygroscopic foams based on cellulose nanofibrils and a nonionic polyoxamer. Cellulose, 2018, 25, 1117-1126.	2.4	35
32	Time-resolved viscoelastic properties of self-assembling iron oxide nanocube superlattices probed by quartz crystal microbalance with dissipation monitoring. Journal of Colloid and Interface Science, 2018, 522, 104-110.	5.0	8
33	Dualâ€Fiber Approach toward Flexible Multifunctional Hybrid Materials. Advanced Functional Materials, 2018, 28, 1704274.	7.8	26
34	Transparent and Flexible Nacreâ€Like Hybrid Films of Aminoclays and Carboxylated Cellulose Nanofibrils. Advanced Functional Materials, 2018, 28, 1703277.	7.8	52
35	Assembly of cellulose nanocrystals in a levitating drop probed by time-resolved small angle X-ray scattering. Nanoscale, 2018, 10, 18113-18118.	2.8	23
36	Lightweight foams of amine-rich organosilica and cellulose nanofibrils by foaming and controlled condensation of aminosilane. Materials Chemistry Frontiers, 2018, 2, 2220-2229.	3.2	8

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37	3D Printing of Strong Lightweight Cellular Structures Using Polysaccharide-Based Composite Foams. ACS Sustainable Chemistry and Engineering, 2018, 6, 17160-17167.	3.2	28
38	Wood-inspired engineering materials. Science China Materials, 2018, 61, 1625-1626.	3.5	7
39	Electrochromism: Dual-Fiber Approach toward Flexible Multifunctional Hybrid Materials (Adv. Funct.) Tj ETQq1 1 0.784314 rgBT /Overlo	7.8	0
40	Scanning electron diffraction reveals the crystalline microstructure of cellulose nano-crystals. Acta Crystallographica Section A: Foundations and Advances, 2018, 74, e424-e424.	0.0	0
41	Effect of 10Âwt% VC on the Friction and Sliding Wear of Spark Plasmaâ€“Sintered WCâ€“12Âwt% Co Cemented Carbides. Tribology Transactions, 2017, 60, 276-283.	1.1	6
42	A CaCO₃/nanocellulose-based bioinspired nacre-like material. Journal of Materials Chemistry A, 2017, 5, 16128-16133.	5.2	30
43	Steady-shear and viscoelastic properties of cellulose nanofibrilâ€“nanoclay dispersions. Cellulose, 2017, 24, 1815-1824.	2.4	19
44	Superlattice growth and rearrangement during evaporation-induced nanoparticle self-assembly. Scientific Reports, 2017, 7, 2802.	1.6	66
45	Nanocellulose-based foams and aerogels: processing, properties, and applications. Journal of Materials Chemistry A, 2017, 5, 16105-16117.	5.2	466
46	Following the Assembly of Iron Oxide Nanocubes by Video Microscopy and Quartz Crystal Microbalance with Dissipation Monitoring. Langmuir, 2017, 33, 303-310.	1.6	13
47	Thin zeolite laminates for rapid and energy-efficient carbon capture. Scientific Reports, 2017, 7, 10988.	1.6	12
48	Nanocellulose-Based Materials for Water Purification. Nanomaterials, 2017, 7, 57.	1.9	349
49	Cholesteric liquid crystal formation in suspensions of cellulose nanocrystals. Series in Sof Condensed Matter, 2016, , 871-897.	0.1	2
50	Directional Freezing of Nanocellulose Dispersions Aligns the Rod-Like Particles and Produces Low-Density and Robust Particle Networks. Biomacromolecules, 2016, 17, 1875-1881.	2.6	152
51	Tuning the structure and habit of iron oxide mesocrystals. Nanoscale, 2016, 8, 15571-15580.	2.8	29
52	Following in Real Time the Two-Step Assembly of Nanoparticles into Mesocrystals in Levitating Drops. Nano Letters, 2016, 16, 6838-6843.	4.5	60
53	Interfacial strain and defects in asymmetric Feâ€“Mn oxide hybrid nanoparticles. Nanoscale, 2016, 8, 14171-14177.	2.8	7
54	Stabilizing nanocellulose-nonionic surfactant composite foams by delayed Ca-induced gelation. Journal of Colloid and Interface Science, 2016, 472, 44-51.	5.0	47

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55	Tuning the Nanocelluloseâ€“Borate Interaction To Achieve Highly Flame Retardant Hybrid Materials. Chemistry of Materials, 2016, 28, 1985-1989.	3.2	103
56	Confined self-assembly of cellulose nanocrystals in a shrinking droplet. Soft Matter, 2015, 11, 5374-5380.	1.2	40
57	Origin of the large dispersion of magnetic properties in nanostructured oxides: Fe_xO/Fe₃O₄nanoparticles as a case study. Nanoscale, 2015, 7, 3002-3015.	2.8	76
58	Nanocelluloseâ€“Zeolite Composite Films for Odor Elimination. ACS Applied Materials & Interfaces, 2015, 7, 14254-14262.	4.0	44
59	Understanding nanocellulose chirality and structureâ€“properties relationship at the single fibril level. Nature Communications, 2015, 6, 7564.	5.8	379
60	Rod Packing in Chiral Nematic Cellulose Nanocrystal Dispersions Studied by Small-Angle X-ray Scattering and Laser Diffraction. Langmuir, 2015, 31, 6507-6513.	1.6	177
61	Mechanical performance and CO2 uptake of ion-exchanged zeolite A structured by freeze-casting. Journal of the European Ceramic Society, 2015, 35, 2607-2618.	2.8	51
62	Multicolor Fluorescent Labeling of Cellulose Nanofibrils by Click Chemistry. Biomacromolecules, 2015, 16, 1293-1300.	2.6	70
63	Mesocrystals in Biominerals and Colloidal Arrays. Accounts of Chemical Research, 2015, 48, 1391-1402.	7.6	156
64	Controlling Orientational and Translational Order of Iron Oxide Nanocubes by Assembly in Nanofluidic Containers. Langmuir, 2015, 31, 12537-12543.	1.6	14
65	Preparation of graded silicalite-1 substrates for all-zeolite membranes with excellent CO 2 /H 2 separation performance. Journal of Membrane Science, 2015, 493, 206-211.	4.1	20
66	Thermally insulating and fire-retardant lightweight anisotropic foams based on nanocellulose and graphene oxide. Nature Nanotechnology, 2015, 10, 277-283.	15.6	1,103
67	Methylcellulose-Directed Synthesis of Nanocrystalline Zeolite NaA with High CO2 Uptake. Materials, 2014, 7, 5507-5519.	1.3	24
68	Probing planar defects in nanoparticle superlattices by 3D small-angle electron diffraction tomography and real space imaging. Nanoscale, 2014, 6, 13803-13808.	2.8	12
69	Precise control over shape and size of iron oxide nanocrystals suitable for assembly into ordered particle arrays. Science and Technology of Advanced Materials, 2014, 15, 055010.	2.8	90
70	Aluminophosphate monoliths with high CO₂-over-N₂ selectivity and CO₂ capture capacity. RSC Advances, 2014, 4, 55877-55883.	1.7	19
71	Deposition of silica nanoparticles onto alumina measured by optical reflectometry and quartz crystal microbalance with dissipation techniques. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 443, 384-390.	2.3	11
72	Macroscopic Control of Helix Orientation in Films Dried from Cholesteric Liquidâ€Crystalline Cellulose Nanocrystal Suspensions. ChemPhysChem, 2014, 15, 1477-1484.	1.0	136

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73	Structuring adsorbents and catalysts by processing of porous powders. Journal of the European Ceramic Society, 2014, 34, 1643-1666.	2.8	264
74	Spin excitations in cubic maghemite nanoparticles studied by time-of-flight neutron spectroscopy. Physical Review B, 2014, 89, .	1.1	9
75	Labelling of N-hydroxysuccinimide-modified rhodamine B on cellulose nanofibrils by the amidation reaction. RSC Advances, 2014, 4, 60757-60761.	1.7	25
76	Cellulose nanocrystal-based materials: from liquid crystal self-assembly and glass formation to multifunctional thin films. NPG Asia Materials, 2014, 6, e80-e80.	3.8	679
77	WO₃ Nanorods Created by Self-Assembly of Highly Crystalline Nanowires under Hydrothermal Conditions. Langmuir, 2014, 30, 10487-10492.	1.6	56
78	Dynamic growth modes of ordered arrays and mesocrystals during drop-casting of iron oxide nanocubes. CrystEngComm, 2014, 16, 1443-1450.	1.3	27
79	Phase Identification and Structure Solution by Three-Dimensional Electron Diffraction Tomography: Gdâ€“Phosphate Nanorods. Inorganic Chemistry, 2014, 53, 5067-5072.	1.9	17
80	Strong discs of activated carbons from hydrothermally carbonized beer waste. Carbon, 2014, 78, 521-531.	5.4	13
81	Omnidispersible poly(ionic liquid)-functionalized cellulose nanofibrils: surface grafting and polymer membrane reinforcement. Chemical Communications, 2014, 50, 12486-12489.	2.2	35
82	Pre-nucleation clusters as solute precursors in crystallisation. Chemical Society Reviews, 2014, 43, 2348-2371.	18.7	731
83	Anomalous Magnetic Properties of Nanoparticles Arising from Defect Structures: Topotaxial Oxidation of Fe_{1â€“<i>x</i>}O|Fe_{3âˆ’Î´}O₄ Core|Shell Nanocubes to Single-Phase Particles. ACS Nano, 2013, 7, 7132-7144.	7.3	159
84	Laminated Adsorbents with Very Rapid CO₂ Uptake by Freeze-Casting of Zeolites. ACS Applied Materials & Interfaces, 2013, 5, 2669-2676.	4.0	61
85	Structural diversity in iron oxide nanoparticle assemblies as directed by particle morphology and orientation. Nanoscale, 2013, 5, 3969.	2.8	52
86	Lightweight and Strong Cellulose Materials Made from Aqueous Foams Stabilized by Nanofibrillated Cellulose. Biomacromolecules, 2013, 14, 503-511.	2.6	196
87	Dielectric properties of lignin and glucomannan as determined by spectroscopic ellipsometry and Lifshitz estimates of non-retarded Hamaker constants. Cellulose, 2013, 20, 1639-1648.	2.4	28
88	Selective and ATP-driven transport of ions across supported membranes into nanoporous carriers using gramicidin A and ATP synthase. Physical Chemistry Chemical Physics, 2013, 15, 2733.	1.3	9
89	Adsorbents for the post-combustion capture of CO2 using rapid temperature swing or vacuum swing adsorption. Applied Energy, 2013, 104, 418-433.	5.1	346
90	2D to 3D crossover of the magnetic properties in ordered arrays of iron oxide nanocrystals. Nanoscale, 2013, 5, 953-960.	2.8	43

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91	Dispersion and surface functionalization of oxide nanoparticles for transparent photocatalytic and UV-protecting coatings and sunscreens. Science and Technology of Advanced Materials, 2013, 14, 023001.	2.8	252
92	Evaluating Pore Space in Macroporous Ceramics with Waterâ€Based Porosimetry. Journal of the American Ceramic Society, 2013, 96, 1916-1922.	1.9	4
93	Chemical durability of hierarchically porous silicalite-I membrane substrates in aqueous media. Journal of Materials Research, 2013, 28, 2253-2259.	1.2	3
94	Quantitative spatial magnetization distribution in iron oxide nanocubes and nanospheres by polarized small-angle neutron scattering. New Journal of Physics, 2012, 14, 013025.	1.2	100
95	Hard and Transparent Films Formed by Nanocelluloseâ€“TiO2 Nanoparticle Hybrids. PLoS ONE, 2012, 7, e45828.	1.1	78
96	On the role of tannins and iron in the Bogolan or mud cloth dyeing process. Textile Reseach Journal, 2012, 82, 1888-1896.	1.1	11
97	Embedded proteins and sacrificial bonds provide the strong adhesive properties of gastroliths. Nanoscale, 2012, 4, 3910.	2.8	17
98	Colloidal processing and CO2 capture performance of sacrificially templated zeolite monoliths. Applied Energy, 2012, 97, 289-296.	5.1	55
99	Strong and binder free structured zeolite sorbents with very high CO2-over-N2 selectivities and high capacities to adsorb CO2 rapidly. Energy and Environmental Science, 2012, 5, 7664.	15.6	144
100	Phase transitions and thermodynamic properties of dense assemblies of truncated nanocubes and cuboctahedra. Nanoscale, 2012, 4, 4765.	2.8	10
101	Hierarchically porous binder-free silicalite-1 discs: a novel support for all-zeolite membranes. Journal of Materials Chemistry, 2011, 21, 8822.	6.7	24
102	Hamaker Constants of Iron Oxide Nanoparticles. Langmuir, 2011, 27, 8659-8664.	1.6	115
103	Shape Induced Symmetry in Self-Assembled Mesocrystals of Iron Oxide Nanocubes. Nano Letters, 2011, 11, 1651-1656.	4.5	147
104	A transparent hybrid of nanocrystalline cellulose and amorphous calcium carbonate nanoparticles. Nanoscale, 2011, 3, 3563.	2.8	80
105	Colloidal Processing and Thermal Treatment of Binderless Hierarchically Porous Zeolite 13X Monoliths for CO2 Capture. Journal of the American Ceramic Society, 2011, 94, 92-98.	1.9	49
106	Permeability, pore connectivity and critical pore throat control of expandable polymeric sphere templated macroporous alumina. Acta Materialia, 2011, 59, 1239-1248.	3.8	25
107	Oriented supercrystals of anisotropic iron oxide nanoparticles. Acta Crystallographica Section A: Foundations and Advances, 2010, 66, s241-s241.	0.3	0
108	Spray drying of TiO2 nanoparticles into redispersible granules. Powder Technology, 2010, 203, 384-388.	2.1	47

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109	Protoâ€Calcite and Protoâ€Vaterite in Amorphous Calcium Carbonates. Angewandte Chemie - International Edition, 2010, 49, 8889-8891.	7.2	284
110	Improved enzymatic activity of Thermomyces lanuginosus lipase immobilized in a hydrophobic particulate mesoporous carrier. Journal of Colloid and Interface Science, 2010, 343, 359-365.	5.0	53
111	The effect of temperature on the pulsed current processing behaviour and structural characteristics of porous ZSM-5 and zeolite Y monoliths. Journal of the European Ceramic Society, 2010, 30, 2977-2983.	2.8	9
112	Three-dimensional structure analysis by X-ray micro-computed tomography of macroporous alumina templated with expandable microspheres. Journal of the European Ceramic Society, 2010, 30, 2547-2554.	2.8	22
113	A study of the sintering of diatomaceous earth to produce porous ceramic monoliths with bimodal porosity and high strength. Powder Technology, 2010, 201, 253-257.	2.1	98
114	Intraparticle Transport and Release of Dextran in Silica Spheres with Cylindrical Mesopores. Langmuir, 2010, 26, 466-470.	1.6	8
115	Strong Hierarchically Porous Monoliths by Pulsed Current Processing of Zeolite Powder Assemblies. ACS Applied Materials & Interfaces, 2010, 2, 732-737.	4.0	52
116	Mechanism of traditional Bogolan dyeing technique with clay on cotton fabric. Applied Clay Science, 2010, 50, 455-460.	2.6	17
117	Mesoporous Hydrogels: Revealing Reversible Porosity by Cryoporometry, X-ray Scattering, and Gas Adsorption. Langmuir, 2010, 26, 10158-10164.	1.6	36
118	Rapid detection of trace amounts of surfactants using nanoparticles in fluorometric assays. Nanoscale, 2010, 2, 69-71.	2.8	15
119	Hierarchically Porous Ceramics from Diatomite Powders by Pulsed Current Processing. Journal of the American Ceramic Society, 2009, 92, 338-343.	1.9	70
120	Temperature-induced formation of strong gels of acrylamide-based polyelectrolytes. Journal of Colloid and Interface Science, 2009, 337, 46-53.	5.0	9
121	A Membrane-Reconstituted Multisubunit Functional Proton Pump on Mesoporous Silica Particles. ACS Nano, 2009, 3, 2639-2646.	7.3	34
122	Impact of Cross-Linking Density and Glassy Chain Dynamics on Pore Stability in Mesoporous Poly(styrene). Macromolecules, 2009, 42, 8234-8240.	2.2	28
123	Self-assembled Materials. , 2009, , 7931-7953.		1
124	MÃ¶ssbauer and magnetization studies of iron oxide nanocrystals. Hyperfine Interactions, 2008, 183, 49-53.	0.2	28
125	Colloidal aspects relating to direct incorporation of TiO2 nanoparticles into mesoporous spheres by an aerosol-assisted process. Journal of Colloid and Interface Science, 2008, 319, 144-151.	5.0	24
126	Preparation of iron oxide nanocrystals by surfactant-free or oleic acid-assisted thermal decomposition of a Fe(III) alkoxide. Journal of Magnetism and Magnetic Materials, 2008, 320, 781-787.	1.0	42

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127	Gas-filled microspheres as an expandable sacrificial template for direct casting of complex-shaped macroporous ceramics. Journal of the European Ceramic Society, 2008, 28, 2815-2821.	2.8	48
128	The radial dependence of the spatial mesostructure of monodisperse mesoporous silica spheres. Microporous and Mesoporous Materials, 2008, 112, 589-596.	2.2	8
129	International Symposium on Inorganic Interfacial Engineering 2006, Stockholm, Sweden, June 20â€“21, 2006. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 475, 1.	2.6	1
130	Tuning the Aspect Ratio of Ceria Nanorods and Nanodumbbells by a Face-Specific Growth and Dissolution Process. Crystal Growth and Design, 2008, 8, 1798-1800.	1.4	43
131	Superlubricity Using Repulsive van der Waals Forces. Langmuir, 2008, 24, 2274-2276.	1.6	96
132	Controlling the Assembly of Nanocrystalline ZnO Films by a Transient Amorphous Phase in Solution. Journal of Physical Chemistry C, 2008, 112, 5373-5383.	1.5	25
133	Release and Molecular Transport of Cationic and Anionic Fluorescent Molecules in Mesoporous Silica Spheres. Langmuir, 2008, 24, 11096-11102.	1.6	28
134	MÃ¶ssbauer and magnetization studies of iron oxide nanocrystals. , 2008, , 221-225.		0
135	Maghemite Nanocrystal Impregnation by Hydrophobic Surface Modification of Mesoporous Silica. Langmuir, 2007, 23, 8838-8844.	1.6	36
136	Magnetic field-induced assembly of oriented superlattices from maghemite nanocubes. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 17570-17574.	3.3	233
137	Using Differential Scanning Calorimetry to Follow How Gelcasting Proceeds. Journal of the American Ceramic Society, 2007, 90, 999-1001.	1.9	1
138	Meso/Macroporous, Mechanically Stable Silica Monoliths of Complex Shape by Controlled Fusion of Mesoporous Spherical Particles. Chemistry of Materials, 2006, 18, 4933-4938.	3.2	50
139	Structure and Formation of Particle Monolayers at Liquid Interfaces. , 2006, , 77-107.		9
140	Dispersing Multi-Component and Unstable Powders in Aqueous Media Using Comb-Type Anionic Polymers*. Journal of the American Ceramic Society, 2006, 89, 1847-1852.	1.9	29
141	Relating the molecular structure of comb-type superplasticizers to the compression rheology of MgO suspensions. Cement and Concrete Research, 2006, 36, 1231-1239.	4.6	70
142	Migration and precipitation of soluble species during drying of colloidal films. Journal of Colloid and Interface Science, 2005, 281, 146-154.	5.0	1
143	Soluble organic additive effects on stress development during drying of calcium carbonate suspensions. Journal of Colloid and Interface Science, 2005, 290, 134-144.	5.0	36
144	Friction and adhesion of single spray-dried granules containing a hygroscopic polymeric binder. Powder Technology, 2005, 155, 101-107.	2.1	8

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145	Probing the effect of superplasticizer adsorption on the surface forces using the colloidal probe AFM technique. Cement and Concrete Research, 2005, 35, 133-140.	4.6	98
146	Density Measurements of Single Granules Using the Atomic Force Microscope. Journal of the American Ceramic Society, 2005, 88, 2322-2324.	1.9	3
147	Photochromic mesostructured silica pigments dispersed in latex films. Journal of Materials Chemistry, 2005, 15, 3507.	6.7	35
148	Multilayer ZrO₂ Precursor Coated Polystyrene Particles. Key Engineering Materials, 2005, 280-283, 529-532.	0.4	0
149	The Rheology of Cementitious Materials. MRS Bulletin, 2004, 29, 314-318.	1.7	46
150	Stress development during drying of calcium carbonate suspensions containing carboxymethylcellulose and latex particles. Journal of Colloid and Interface Science, 2004, 272, 1-9.	5.0	51
151	Structural features and adsorption behaviour of mesoporous silica particles formed from droplets generated in a spraying chamber. Microporous and Mesoporous Materials, 2004, 72, 175-183.	2.2	54
152	Drying of oil-in-water emulsions on hydrophobic and hydrophilic substrates. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2004, 233, 155-161.	2.3	19
153	Inorganic interfacial engineering: processing of hard materials. Powder Metallurgy, 2004, 47, 317-331.	0.9	0
154	Effect of crystallization rate and colloidal stability on structural rearrangements during growth of colloidal monolayers. Journal of Colloid and Interface Science, 2003, 265, 29-35.	5.0	4
155	Coated polystyrene particles as templates for ordered macroporous silica structures with controlled wall thickness. Journal of Materials Chemistry, 2003, 13, 496-501.	6.7	59
156	Spray Drying FunctionalizedMesostructured Colloids. Materials Research Society Symposia Proceedings, 2003, 775, 3221.	0.1	0
157	Effect of Electrolyte and Evaporation Rate on the Structural Features of Dried Silica Monolayer Films. Langmuir, 2002, 18, 9327-9333.	1.6	48
158	Surface forces and characterization of glass surfaces bearing grafted polymers: solvent dependence. Journal of Adhesion Science and Technology, 2002, 16, 965-981.	1.4	6
159	DLVO Interactions of Tungsten Oxide and Cobalt Oxide Surfaces Measured with the Colloidal Probe Technique. Journal of Colloid and Interface Science, 2002, 246, 309-315.	5.0	26
160	Effect of the Cobalt Ion and Polyethyleneimine Adsorption on the Surface Forces between Tungsten Oxide and Cobalt Oxide in Aqueous Media. Journal of the American Ceramic Society, 2002, 85, 2404-2408.	1.9	11
161	Electrostatic Stabilization of Ultrafine Titania in Ethanol. Journal of the American Ceramic Society, 2002, 85, 523-528.	1.9	40
162	Structural Characterization of Dense Colloidal Films Using a Modified Pair Distribution Function and Delaunay Triangulation. Langmuir, 2001, 17, 4867-4875.	1.6	24

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163	Shear induced aggregation of a pectin stabilised emulsion in two dimensions. Colloid and Polymer Science, 2001, 279, 153-160.	1.0	5
164	Colloidal processing of Al2O3-based composites reinforced with TiN and TiC particulates, whiskers and nanoparticles. Journal of the European Ceramic Society, 2001, 21, 1027-1035.	2.8	45
165	Effect of Magnesium Ions on the Adsorption of Poly(acrylic acid) onto Alumina. Journal of the American Ceramic Society, 2001, 84, 2710-2712.	1.9	39
166	Silicon nitride granule friction measurements with an atomic force microscope: effect of humidity and binder concentration. Powder Technology, 2001, 119, 241-249.	2.1	15
167	Measuring Granule Friction and Adhesion with an Atomic Force Microscope. Key Engineering Materials, 2001, 206-213, 63-66.	0.4	1
168	Silicon Nitride Colloidal Probe Measurements: Interparticle Forces and the Role of Surfaceâ€Segment Interactions in Poly(acrylic acid) Adsorption from Aqueous Solution. Journal of the American Ceramic Society, 2001, 84, 1675-1682.	1.9	34
169	Stabilizing ceramic suspensions using anionic polyelectrolytes: adsorption kinetics and interparticle forces. Acta Materialia, 2000, 48, 4563-4570.	3.8	53
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