

# Martin Steinhart

## List of Publications by Year in descending order

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200  
papers

10,902  
citations

38742

50  
h-index

33894

99  
g-index

215  
all docs

215  
docs citations

215  
times ranked

10786  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thin Patterned Lithium Niobate Films by Parallel Additive Capillary Stamping of Aqueous Precursor Solutions. <i>Advanced Engineering Materials</i> , 2022, 24, 2101159.	3.5	3
2	Bio-inspired adhesion control with liquids. <i>IScience</i> , 2022, 25, 103864.	4.1	8
3	Effects of Nanometer Confinement on the Self-Assembly and Dynamics of Poly( <sup>13</sup> -benzyl- <i>l</i> -glutamate) and Its Copolymer with Poly(isobutylene). <i>Macromolecules</i> , 2022, 55, 2615-2626.	4.8	0
4	Cationic Ordering and Its Influence on the Magnetic Properties of Co-Rich Cobalt Ferrite Thin Films Prepared by Reactive Solid Phase Epitaxy on Nb-Doped SrTiO <sub>3</sub> (001). <i>Materials</i> , 2022, 15, 46.	2.9	1
5	Non-equilibrium Effects of Polymer Dynamics under Nanometer Confinement: Effects of Architecture and Molar Mass. <i>Journal of Physical Chemistry B</i> , 2022, 126, 5570-5581.	2.6	8
6	Melting Temperature Depression and Phase Transitions of Nitrate-Based Molten Salts in Nanoconfinement. <i>ACS Omega</i> , 2022, 7, 24669-24678.	3.5	2
7	Sensitivity of PS/CoPd Janus particles to an external magnetic field. <i>RSC Advances</i> , 2021, 11, 17051-17057.	3.6	2
8	Fast Evaporation Enabled Ultrathin Polymer Coatings on Nanoporous Substrates for Highly Permeable Membranes. <i>Innovation(China)</i> , 2021, 2, 100088.	9.1	4
9	Slippery polymer monoliths: Surface functionalization with ordered MoS <sub>2</sub> microparticle arrays. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 617, 126363.	4.7	1
10	Silanization of siliceous materials, part 3: Modification of surface energy and acid-base properties of silica nanoparticles determined by inverse gas chromatography (IGC). <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 618, 126472.	4.7	14
11	Porous block copolymer separation membranes for 21st century sanitation and hygiene. <i>Chemical Society Reviews</i> , 2021, 50, 6333-6348.	38.1	38
12	Phenolic Resin Dual-Use Stamps for Capillary Stamping and Decal Transfer Printing. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 49567-49579.	8.0	4
13	Capillary Stamping of Functional Materials: Parallel Additive Substrate Patterning without Ink Depletion. <i>Advanced Materials Interfaces</i> , 2021, 8, 2001911.	3.7	6
14	Effect of confinement on the dynamics of 1-propanol and other monohydroxy alcohols. <i>Journal of Chemical Physics</i> , 2021, 155, 184504.	3.0	8
15	Statistical Analysis of Submicron X-ray Tomography Data on Polymer Imbibition into Arrays of Cylindrical Nanopores. <i>Journal of Physical Chemistry C</i> , 2021, 125, 26731-26743.	3.1	4
16	Effect of Star Architecture on the Dynamics of 1,4- <i>cis</i> -Polyisoprene under Nanometer Confinement. <i>Macromolecules</i> , 2021, 54, 11392-11403.	4.8	7
17	Comparative Studies of Light-Responsive Swimmers: Janus Nanorods versus Spherical Particles. <i>Langmuir</i> , 2020, 36, 12504-12512.	3.5	4
18	Nanometer Confinement Induces Nematic Order in 1-Dodecanol. <i>Journal of Physical Chemistry B</i> , 2020, 124, 10850-10857.	2.6	7

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19	Tailored pore gradient in phenolic membranes for adjustable permselectivity by leveraging different poloxamers. Separation and Purification Technology, 2020, 242, 116818.	7.9	2
20	Humidity-Modulated Core-Shell Nanopillars for Enhancement of Gecko-Inspired Adhesion. ACS Applied Nano Materials, 2020, 3, 3596-3603.	5.0	20
21	Scanner-Based Capillary Stamping. Advanced Functional Materials, 2020, 30, 2001531.	14.9	13
22	From Bad Electrochemical Practices to an Environmental and Waste Reducing Approach for the Generation of Active Hydrogen Evolving Electrodes. Angewandte Chemie - International Edition, 2019, 58, 17383-17392.	13.8	24
23	From Bad Electrochemical Practices to an Environmental and Waste Reducing Approach for the Generation of Active Hydrogen Evolving Electrodes. Angewandte Chemie, 2019, 131, 17544-17553.	2.0	3
24	Correlations between microstructure and crystallization of the fluorinated terpolymer of tetrafluoroethylene, hexafluoropropylene, and vinylidene fluoride. Journal of Polymer Science, Part B: Polymer Physics, 2019, 57, 1402-1408.	2.1	5
25	In Situ Monitoring of the Imbibition of Poly( <i>n</i> -butyl methacrylates) in Nanoporous Alumina by Dielectric Spectroscopy. Macromolecules, 2019, 52, 8167-8176.	4.8	16
26	Close-packed silane nanodot arrays by capillary nanostamping coupled with heterocyclic silane ring opening. RSC Advances, 2019, 9, 24742-24750.	3.6	11
27	Nondestructive high-throughput screening of nanopore geometry in porous membranes by imbibition. Applied Physics Letters, 2019, 115, .	3.3	11
28	Functionalization of porous siliceous materials, Part 2: Surface characterization by inverse gas chromatography. Journal of Chromatography A, 2019, 1603, 297-310.	3.7	17
29	Dynamics of Entangled cis-1,4-Polyisoprene Confined to Nanoporous Alumina. Macromolecules, 2019, 52, 4185-4195.	4.8	33
30	Eutectic liquid crystal mixture E7 in nanoporous alumina. Effects of confinement on the thermal and concentration fluctuations. RSC Advances, 2019, 9, 37846-37857.	3.6	20
31	Nanostructured Submicron Block Copolymer Dots by Sacrificial Stamping: A Potential Preconcentration Platform for Locally Resolved Sensing, Chemistry, and Cellular Interactions. ACS Applied Nano Materials, 2018, 1, 1413-1419.	5.0	5
32	Capillary Nanostamping with Spongy Mesoporous Silica Stamps. Advanced Functional Materials, 2018, 28, 1800700.	14.9	15
33	Ordered Topographically Patterned Silicon by Insect-Inspired Capillary Submicron Stamping. ACS Applied Materials & Interfaces, 2018, 10, 7451-7458.	8.0	18
34	Soft and flexible poly(ethylene glycol) nanotubes for local drug delivery. Nanoscale, 2018, 10, 8413-8421.	5.6	22
35	Steel-based electrocatalysts for efficient and durable oxygen evolution in acidic media. Catalysis Science and Technology, 2018, 8, 2104-2116.	4.1	35
36	Evaluation of 3D gold nanodendrite layers obtained by templated galvanic displacement reactions for SERS sensing and heterogeneous catalysis. Nanoscale, 2018, 10, 20671-20680.	5.6	14

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37	Intercalation of Li <sup>+</sup> into a Co-Containing Steel-Ceramic Composite: Substantial Oxygen Evolution at Almost Zero Overpotential. ACS Catalysis, 2018, 8, 10914-10925.	11.2	17
38	Immobilization of Water Drops on Hydrophobic Surfaces by Contact Line Pinning at Nonlithographically Generated Polymer Microfiber Rings. Advanced Materials Interfaces, 2018, 5, 1801191.	3.7	3
39	Substrate Patterning Using Regular Macroporous Block Copolymer Monoliths as Sacrificial Templates and as Capillary Microstamps. Small, 2018, 14, e1801452.	10.0	9
40	Free-Sustaining Three-Dimensional S235 Steel-Based Porous Electrocatalyst for Highly Efficient and Durable Oxygen Evolution. ChemSusChem, 2018, 11, 3661-3671.	6.8	24
41	Polymer dynamics under cylindrical confinement featuring a locally repulsive surface: A quasielastic neutron scattering study. Journal of Chemical Physics, 2017, 146, 203306.	3.0	13
42	Advanced SERS Sensor Based on Capillarity-Assisted Preconcentration through Gold Nanoparticle-Decorated Porous Nanorods. Small, 2017, 13, 1603947.	10.0	27
43	Experimentelles Zentralabitur in Niedersachsen - Quo Vadis?. Chemkon - Chemie Konkret, Forum Fuer Unterricht Und Didaktik, 2017, 24, 77-79.	0.4	0
44	Complex dynamics of capillary imbibition of poly(ethylene oxide) melts in nanoporous alumina. Journal of Chemical Physics, 2017, 146, 203320.	3.0	37
45	Electro-oxidation of a cobalt based steel in LiOH: a non-noble metal based electro-catalyst suitable for durable water-splitting in an acidic milieu. Nanoscale, 2017, 9, 17829-17838.	5.6	23
46	Semicrystalline Block Copolymers in Rigid Confining Nanopores. Macromolecules, 2017, 50, 8637-8646.	4.8	13
47	Capillary Imbibition, Crystallization, and Local Dynamics of Hyperbranched Poly(ethylene oxide) Confined to Nanoporous Alumina. Macromolecules, 2017, 50, 8755-8764.	4.8	16
48	Hybrid Surface Patterns Mimicking the Design of the Adhesive Toe Pad of Tree Frog. ACS Nano, 2017, 11, 9711-9719.	14.6	111
49	Manipulating Semicrystalline Polymers in Confinement. Journal of Physical Chemistry B, 2017, 121, 7723-7728.	2.6	8
50	8OCB and 8CB Liquid Crystals Confined in Nanoporous Alumina: Effect of Confinement on the Structure and Dynamics. Journal of Physical Chemistry B, 2017, 121, 7382-7394.	2.6	25
51	A ferroelectric liquid crystal confined in cylindrical nanopores: reversible smectic layer buckling, enhanced light rotation and extremely fast electro-optically active Goldstone excitations. Nanoscale, 2017, 9, 19086-19099.	5.6	22
52	Quantifying the structural integrity of nanorod arrays. Journal of Microscopy, 2017, 265, 222-231.	1.8	0
53	Nanoporous Monolithic Microsphere Arrays Have Anti-Adhesive Properties Independent of Humidity. Materials, 2016, 9, 373.	2.9	2
54	Bioinspired monolithic polymer microsphere arrays as generically anti-adhesive surfaces. Bioinspiration and Biomimetics, 2016, 11, 025002.	2.9	8

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55	Pharmaceutical nanocrystals confined in porous host systems – interfacial effects and amorphous interphases. <i>Chemical Communications</i> , 2016, 52, 4466-4469.	4.1	15
56	Interfacial Energy and Glass Temperature of Polymers Confined to Nanoporous Alumina. <i>Macromolecules</i> , 2016, 49, 7400-7414.	4.8	90
57	Effect of Poly(ethylene oxide) Architecture on the Bulk and Confined Crystallization within Nanoporous Alumina. <i>Macromolecules</i> , 2016, 49, 5945-5954.	4.8	26
58	The Influence of Surface Topography and Surface Chemistry on the Anti-Adhesive Performance of Nanoporous Monoliths. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 22593-22604.	8.0	9
59	Effects of polydispersity, additives, impurities and surfaces on the crystallization of poly(ethylene Terephthalate). <i>Journal of Applied Polymer Science</i> , 2016, 120, 1078-1088.	3.8	28
60	Preparation, loading, and cytotoxicity analysis of polymer nanotubes from an ethylene glycol dimethacrylate homopolymer in comparison to multi-walled carbon nanotubes. <i>Journal of Interdisciplinary Nanomedicine</i> , 2016, 1, 9-18.	3.6	8
61	Electro-Oxidation of Ni-Steel: A Highly Active Bifunctional Electrocatalyst. <i>Advanced Functional Materials</i> , 2016, 26, 6402-6417.	14.9	90
62	X <sub>2</sub> CoCrWMo <sub>10-9</sub> /Co <sub>3</sub> O <sub>4</sub> : a metal-ceramic composite with unique efficiency values for water-splitting in the neutral regime. <i>Energy and Environmental Science</i> , 2016, 9, 2609-2622.	30.8	84
63	Chain Dynamics and Segmental Orientation in Polymer Melts Confined to Nanochannels. <i>Macromolecules</i> , 2016, 49, 244-256.	4.8	30
64	Magnetically Controllable Polymer Nanotubes from a Cyclized Crosslinker for Site-Specific Delivery of Doxorubicin. <i>Scientific Reports</i> , 2015, 5, 17478.	3.3	16
65	Oxidized Mild Steel S235: An Efficient Anode for Electrocatalytically Initiated Water Splitting. <i>ChemSusChem</i> , 2015, 8, 3099-3110.	6.8	50
66	Stainless steel made to rust: a robust water-splitting catalyst with benchmark characteristics. <i>Energy and Environmental Science</i> , 2015, 8, 2685-2697.	30.8	180
67	Homogeneous Nucleation of Predominantly Cubic Ice Confined in Nanoporous Alumina. <i>Nano Letters</i> , 2015, 15, 1987-1992.	9.1	60
68	Organic melt, electrode, and CVD induced in situ deposition of luminescent lanthanide imidazolate MOFs on nanostructured alumina. <i>Inorganic Chemistry Frontiers</i> , 2015, 2, 237-245.	6.0	11
69	Filtration-Based Synthesis of Micelle-Derived Composite Membranes for High-Flux Ultrafiltration. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 6974-6981.	8.0	27
70	Adiabatic burst evaporation from bicontinuous nanoporous membranes. <i>Nanoscale</i> , 2015, 7, 9185-9193.	5.6	9
71	Surface Oxidation of Stainless Steel: Oxygen Evolution Electrocatalysts with High Catalytic Activity. <i>ACS Catalysis</i> , 2015, 5, 2671-2680.	11.2	153
72	Humidity-enhanced wet adhesion on insect-inspired fibrillar adhesive pads. <i>Nature Communications</i> , 2015, 6, 6621.	12.8	80

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73	Large-Scale Diffusion of Entangled Polymers along Nanochannels. ACS Macro Letters, 2015, 4, 561-565.	4.8	35
74	Dynamics of Ice/Water Confined in Nanoporous Alumina. Journal of Physical Chemistry B, 2015, 119, 14814-14820.	2.6	27
75	Kinetics of Ice Nucleation Confined in Nanoporous Alumina. Journal of Physical Chemistry B, 2015, 119, 11960-11966.	2.6	22
76	Ultrafine Sanding Paper: A Simple Tool for Creating Small Particles. Small, 2015, 11, 931-935.	10.0	15
77	Oxygen Plasma Effects on Zero Resistance Behavior of Yb,Er-doped YBCO (123) Based Superconductors. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2014, 640, 1900-1906.	1.2	0
78	Honeycombs in Honeycombs: Complex Liquid Crystal Alumina Composite Mesostructures. ACS Nano, 2014, 8, 4500-4509.	14.6	24
79	Electrochemical synthesis of coaxial TiO <sub>2</sub> -Ag nanowires and their application in photocatalytic water splitting. Journal of Materials Chemistry A, 2014, 2, 2648-2656.	10.3	36
80	Morphology of Porous Hosts Directs Preferred Polymorph Formation and Influences Kinetics of Solid/Solid Transitions of Confined Pharmaceuticals. Crystal Growth and Design, 2014, 14, 78-86.	3.0	27
81	Suppression of Poly(ethylene oxide) Crystallization in Diblock Copolymers of Poly(ethylene Terephthalate)-b-Poly(ethylene glycol). Journal of Polymer Science Part B: Polymer Physics, 2014, 52, 1793-1800.	4.8	63
82	Dynamics of Unentangled cis-1,4-Polyisoprene Confined to Nanoporous Alumina. Macromolecules, 2014, 47, 3895-3900.	4.8	63
83	Zirconia-based Aerogels via Hydrolysis of Salts and Alkoxides: The Influence of the Synthesis Procedures on the Properties of the Aerogels. Chemistry - an Asian Journal, 2013, 8, 2211-2219.	3.3	22
84	Biological and Bioinspired Micro- and Nanostructured Adhesives. , 2013, , 409-439.		10
85	How Gold Nanoparticles Influence Crystallization of Polyethylene in Rigid Cylindrical Nanopores. Macromolecules, 2013, 46, 403-412.	4.8	21
86	Reversible Adhesion Switching of Porous Fibrillar Adhesive Pads by Humidity. Nano Letters, 2013, 13, 5541-5548.	9.1	67
87	Formation, morphology and internal structure of one-dimensional nanostructures of the ferroelectric polymer P(VDF-TrFE). Polymer, 2013, 54, 2737-2744.	3.8	35
88	In situ growth of luminescent MOF thin films of Sr/Eu(II)-imidazolate on functionalized nanostructured alumina. CrystEngComm, 2013, 15, 9382.	2.6	14
89	Enhanced interfacial rigidity of 1D thermoset nanostructures by interface-induced liquid crystallinity. Journal of Materials Chemistry C, 2013, 1, 7758.	5.5	4
90	Multiple nucleation events and local dynamics of poly( $\mu$ -caprolactone) (PCL) confined to nanoporous alumina. Soft Matter, 2013, 9, 9189.	2.7	107

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91	Homogeneous crystallization and local dynamics of poly(ethylene oxide) (PEO) confined to nanoporous alumina. <i>Soft Matter</i> , 2013, 9, 2621.	2.7	107
92	Measuring of the hardly measurable: adhesion properties of anti-adhesive surfaces. <i>Applied Physics A: Materials Science and Processing</i> , 2013, 111, 183-189.	2.3	26
93	What Happens to Polymer Chains Confined in Rigid Cylindrical Inorganic (AAO) Nanopores. <i>Macromolecules</i> , 2013, 46, 4932-4936.	4.8	34
94	Nanostructured Metal/Carbon Hybrids for Electrocatalysis by Direct Carbonization of Inverse Micelle Multilayers. <i>ACS Nano</i> , 2013, 7, 1573-1582.	14.6	14
95	Imprinting macropore arrays into mesoporous silica monoliths. <i>Journal of Materials Chemistry</i> , 2012, 22, 9490.	6.7	5
96	Arrays of Aligned Supramolecular Wires by Macroscopic Orientation of Columnar Discotic Mesophases. <i>ACS Nano</i> , 2012, 6, 9359-9365.	14.6	50
97	Carbon/metal nanotubes with tailored order and configuration by direct carbonization of inverse block copolymer micelles inside nanoporous alumina. <i>Chemical Communications</i> , 2012, 48, 507-509.	4.1	12
98	High-Throughput Generation of Micropatterns of Dye-Containing Capsules Embedded in Transparent Elastomeric Monoliths by Inkjet Printing. <i>ACS Applied Materials &amp; Interfaces</i> , 2012, 4, 1169-1173.	8.0	4
99	Tailoring Normal Adhesion of Arrays of Thermoplastic, Spring-like Polymer Nanorods by Shaping Nanorod Tips. <i>Langmuir</i> , 2012, 28, 10781-10788.	3.5	42
100	Formation of gold nanoparticles in polymeric nanowires by low-temperature thermolysis of gold mesitylene. <i>Journal of Materials Chemistry</i> , 2012, 22, 684-690.	6.7	6
101	Swelling-Induced Morphology Reconstruction in Block Copolymer Nanorods: Kinetics and Impact of Surface Tension During Solvent Evaporation. <i>ACS Nano</i> , 2011, 5, 1928-1938.	14.6	52
102	Silica Nanotubes by Templated Thermolysis of Silicon Tetraacetate. <i>Chemistry of Materials</i> , 2011, 23, 3129-3131.	6.7	10
103	Polymer Dynamics of Polybutadiene in Nanoscopic Confinement As Revealed by Field Cycling $^1\text{H}$ NMR. <i>Macromolecules</i> , 2011, 44, 4017-4021.	4.8	38
104	Suppression of Phase Transitions in a Confined Rodlike Liquid Crystal. <i>ACS Nano</i> , 2011, 5, 9208-9215.	14.6	92
105	Optimizing the optical trapping stiffness of holographically trapped microrods using high-speed video tracking. <i>Journal of Optics (United Kingdom)</i> , 2011, 13, 044023.	2.2	40
106	From Heterogeneous to Homogeneous Nucleation of Isotactic Poly(propylene) Confined to Nanoporous Alumina. <i>Nano Letters</i> , 2011, 11, 1671-1675.	9.1	179
107	Three-Dimensional to Two-Dimensional Crossover in the Hydrodynamic Interactions between Micron-Scale Rods. <i>Physical Review Letters</i> , 2011, 107, 044501.	7.8	21
108	Size-dependent growth of polymorphs in nanopores and Ostwald's step rule of stages. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 21367.	2.8	64

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109	Visible-light active nanohybrid TiO <sub>2</sub> /carbon photocatalysts with programmed morphology by direct carbonization of block copolymer templates. <i>Green Chemistry</i> , 2011, 13, 3397.	9.0	44
110	Nanostructuring Polymeric Materials by Templating Strategies. <i>Small</i> , 2011, 7, 1384-1391.	10.0	20
111	Designing polymeric nanorod arrays for optical waveguide-based biosensors. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2011, 8, 3179-3182.	0.8	3
112	Block Copolymer Nanotubes by Melt Infiltration of Nanoporous Aluminum Oxide. <i>Advanced Materials</i> , 2011, 23, 781-786.	21.0	17
113	The fabrication of graphitic thin films with highly dispersed noble metal nanoparticles by direct carbonization of block copolymer inverse micelle templates. <i>Carbon</i> , 2011, 49, 2120-2126.	10.3	23
114	Mesoscopic Structure Formation in the Walls of Nanotubes Confined to Nanoporous Hard Templates. <i>Small</i> , 2011, 7, 127-163.		0
115	Fiber and Tube Formation by Melt Infiltration of Block Copolymers into Al <sub>2</sub> O <sub>3</sub> Pores. <i>Macromolecular Symposia</i> , 2010, 293, 58-62.	0.7	2
116	Nanoporous Metal Membranes with Bicontinuous Morphology from Recyclable Block Copolymer Templates. <i>Advanced Materials</i> , 2010, 22, 2068-2072.	21.0	118
117	Photonic Crystal Devices with Multiple Dyes by Consecutive Local Infiltration of Single Pores. <i>Advanced Materials</i> , 2010, 22, 4731-4735.	21.0	6
118	Nanoporous Metal Membranes: Nanoporous Metal Membranes with Bicontinuous Morphology from Recyclable Block Copolymer Templates ( <i>Adv. Mater.</i> 18/2010). <i>Advanced Materials</i> , 2010, 22, .	21.0	0
119	Templated self-assembly of block copolymers – Toward the rational design of plasmonic nanorods. <i>Physica Status Solidi (B): Basic Research</i> , 2010, 247, 2470-2475.	1.5	8
120	Template-controlled thermolysis of single-source precursors. <i>Physica Status Solidi (B): Basic Research</i> , 2010, 247, 2393-2400.	1.5	1
121	Calibration of optically trapped nanotools. <i>Nanotechnology</i> , 2010, 21, 175501.	2.6	35
122	Tuning and Switching the Hypersonic Phononic Properties of Elastic Impedance Contrast Nanocomposites. <i>ACS Nano</i> , 2010, 4, 3471-3481.	14.6	35
123	Confinement Effects on Chain Dynamics and Local Chain Order in Entangled Polymer Melts. <i>Macromolecules</i> , 2010, 43, 4429-4434.	4.8	58
124	Polycyanurate Nanorod Arrays for Optical-Waveguide-Based Biosensing. <i>Nano Letters</i> , 2010, 10, 2173-2177.	9.1	48
125	Cellular interactions of biodegradable nanorod arrays prepared by nondestructive extraction from nanoporous alumina. <i>Journal of Materials Chemistry</i> , 2010, 20, 3171.	6.7	38
126	Characterization of microrod arrays by image analysis. <i>Applied Physics Letters</i> , 2009, 94, 164103.	3.3	2



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127	Anisotropic propagation and confinement of high frequency phonons in nanocomposites. Journal of Chemical Physics, 2009, 130, 111102.	3.0	17
128	Nanoscale Morphologies in Block Copolymer Nanorods as Templates for Atomic Layer Deposition of Semiconductors. Advanced Materials, 2009, 21, 2763-2766.	21.0	93
129	Poly( $\beta$ -benzyl-L-glutamate) Peptides Confined to Nanoporous Alumina: Pore Diameter Dependence of Self-Assembly and Segmental Dynamics. Macromolecules, 2009, 42, 2881-2885.	4.8	46
130	Nanostructured Gold Films for SERS by Block Copolymer-Templated Galvanic Displacement Reactions. Nano Letters, 2009, 9, 2384-2389.	9.1	133
131	Thin-walled Er <sup>3+</sup> :Y <sub>2</sub> O <sub>3</sub> nanotubes showing up-converted fluorescence. Physical Chemistry Chemical Physics, 2009, 11, 3623.	2.8	9
132	Functional Quantum Dot/Dendrimer Nanotubes for Sensitive Detection of DNA Hybridization. Small, 2008, 4, 566-571.	10.0	80
133	Polycyanurate Thermoset Networks with High Thermal, Mechanical, and Hydrolytic Stability Based on Liquid Multifunctional Cyanate Ester Monomers with Bisphenol A and AF Units. Macromolecular Chemistry and Physics, 2008, 209, 1673-1685.	2.2	25
134	Reactive Templates: Doing Chemistry with Pore Walls. Advanced Materials, 2008, 20, 1218-1221.	21.0	8
135	Biopolymers for Biosensors: Polypeptide Nanotubes for Optical Biosensing. ACS Symposium Series, 2008, , 371-390.	0.5	4
136	Nondestructive Replication of Self-Ordered Nanoporous Alumina Membranes via Cross-Linked Polyacrylate Nanofiber Arrays. Nano Letters, 2008, 8, 1954-1959.	9.1	74
137	Structural engineering of nanoporous anodic aluminium oxide by pulse anodization of aluminium. Nature Nanotechnology, 2008, 3, 234-239.	31.5	396
138	Self-Ordered Anodic Aluminum Oxide Formed by H <sub>2</sub> SO <sub>4</sub> Hard Anodization. ACS Nano, 2008, 2, 302-310.	14.6	222
139	Mesoporous Block Copolymer Nanorods by Swelling-Induced Morphology Reconstruction. Nano Letters, 2008, 8, 3548-3553.	9.1	67
140	One step route to the fabrication of arrays of TiO <sub>2</sub> nanobowls via a complementary block copolymer templating and sol-gel process. Soft Matter, 2008, 4, 515-521.	2.7	46
141	Stabilization of the amorphous state of pharmaceuticals in nanopores. Journal of Materials Chemistry, 2008, 18, 2537.	6.7	125
142	Mesoporous Polymer Nanofibers by Infiltration of Block Copolymers with Sacrificial Domains into Porous Alumina. Chemistry of Materials, 2008, 20, 379-381.	6.7	41
143	Polymer Tubes with Longitudinal Composition Gradient by Face-to-Face Wetting. Chemistry of Materials, 2008, 20, 1076-1081.	6.7	13
144	Adsorption Hysteresis in Self-Ordered Nanoporous Alumina. Langmuir, 2008, 24, 10936-10941.	3.5	44

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145	Quantitative Analysis of the Grain Morphology in Self-Assembled Hexagonal Lattices. ACS Nano, 2008, 2, 913-920.	14.6	65
146	Nanopatterned Carbon Films with Engineered Morphology by Direct Carbonization of UV-Stabilized Block Copolymer Films. Nano Letters, 2008, 8, 3993-3997.	9.1	49
147	Quantum-Dot/Dendrimer Based Functional Nanotubes for Sensitive Detection of DNA Hybridization. Advances in Science and Technology, 2008, 55, 84-90.	0.2	2
148	Anisotropic domain orientation and local, reversible polarisation switching in textured ferroelectric polymer nanofibers. , 2008, , .		0
149	Production of Highly Ordered Nanoporous Alumina and its Application in Cell Cultivation. Materials Research Society Symposia Proceedings, 2008, 1093, 41601.	0.1	2
150	Manipulating feature sizes in Si-based grating structures by thermal oxidation. Nanotechnology, 2008, 19, 325305.	2.6	2
151	Local infiltration of individual pores with dyes in 2D macroporous silicon photonic crystals. , 2008, , .		0
152	Supramolecular Organization of Polymeric Materials in Nanoporous Hard Templates. , 2008, , 123-187.		36
153	Nanoscaled Discotic Liquid Crystal/Polymer Systems: Confinement Effects on Morphology and Thermodynamics. Molecular Crystals and Liquid Crystals, 2008, 495, 285/[637]-293/[645].	0.9	12
154	Nanoscope building blocks from polymers, metals, and semiconductors. , 2007, , .		1
155	Manipulating the Crystalline State of Pharmaceuticals by Nanoconfinement. Nano Letters, 2007, 7, 1381-1385.	9.1	156
156	Transfer of Sub-30-nm Patterns from Templates Based on Supramolecular Assemblies. Macromolecules, 2007, 40, 7752-7754.	4.8	21
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