

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
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215
all docs

215
docs citations

215
times ranked

10786
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanostructured Fibers via Electrospinning. <i>Advanced Materials</i> , 2001, 13, 70-72.	21.0	1,123
2	Polymer Nanotubes by Wetting of Ordered Porous Templates. <i>Science</i> , 2002, 296, 1997-1997.	12.6	818
3	Nanotubes by Template Wetting: A Modular Assembly System. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 1334-1344.	13.8	409
4	Structural engineering of nanoporous anodic aluminium oxide by pulse anodization of aluminium. <i>Nature Nanotechnology</i> , 2008, 3, 234-239.	31.5	396
5	Preparation of fibers with nanoscaled morphologies: Electrospinning of polymer blends. <i>Polymer Engineering and Science</i> , 2001, 41, 982-989.	3.1	311
6	Nanoshell tubes of ferroelectric lead zirconate titanate and barium titanate. <i>Applied Physics Letters</i> , 2003, 83, 440-442.	3.3	290
7	Nanoprocessing of polymers: applications in medicine, sensors, catalysis, photonics. <i>Polymers for Advanced Technologies</i> , 2005, 16, 276-282.	3.2	269
8	Self-Ordered Anodic Aluminum Oxide Formed by H_2SO_4 Hard Anodization. <i>ACS Nano</i> , 2008, 2, 302-310.	14.6	222
9	Coherent Kinetic Control over Crystal Orientation in Macroscopic Ensembles of Polymer Nanorods and Nanotubes. <i>Physical Review Letters</i> , 2006, 97, 027801.	7.8	197
10	Curvature-Directed Crystallization of Poly(vinylidene difluoride) in Nanotube Walls. <i>Macromolecules</i> , 2003, 36, 3646-3651.	4.8	185
11	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
12	From Heterogeneous to Homogeneous Nucleation of Isotactic Poly(propylene) Confined to Nanoporous Alumina. <i>Nano Letters</i> , 2011, 11, 1671-1675.	9.1	179
13	Manipulating the Crystalline State of Pharmaceuticals by Nanoconfinement. <i>Nano Letters</i> , 2007, 7, 1381-1385.	9.1	156
14	Palladium Nanotubes with Tailored Wall Morphologies. <i>Advanced Materials</i> , 2003, 15, 706-709.	21.0	155
15	Diameter-Dependence of the Morphology of PS-b-PMMA Nanorods Confined Within Ordered Porous Alumina Templates. <i>Macromolecular Rapid Communications</i> , 2005, 26, 369-375.	3.9	153
16	Surface Oxidation of Stainless Steel: Oxygen Evolution Electrocatalysts with High Catalytic Activity. <i>ACS Catalysis</i> , 2015, 5, 2671-2680.	11.2	153
17	Nanostructured Gold Films for SERS by Block Copolymer-Templated Galvanic Displacement Reactions. <i>Nano Letters</i> , 2009, 9, 2384-2389.	9.1	133
18	Stabilization of the amorphous state of pharmaceuticals in nanopores. <i>Journal of Materials Chemistry</i> , 2008, 18, 2537.	6.7	125

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19	Liquid Crystalline Nanowires in Porous Alumina: Geometric Confinement versus Influence of Pore Walls. <i>Nano Letters</i> , 2005, 5, 429-434.	9.1	122
20	Nanoporous Metal Membranes with Bicontinuous Morphology from Recyclable Block Copolymer Templates. <i>Advanced Materials</i> , 2010, 22, 2068-2072.	21.0	118
21	Ordered Arrays of ~100%-Oriented Silicon Nanorods by CMOS-Compatible Block Copolymer Lithography. <i>Nano Letters</i> , 2007, 7, 1516-1520.	9.1	116
22	Hybrid Surface Patterns Mimicking the Design of the Adhesive Toe Pad of Tree Frog. <i>ACS Nano</i> , 2017, 11, 9711-9719.	14.6	111
23	Graded-Bandgap Quantum-Dot-Modified Nanotubes: A Sensitive Biosensor for Enhanced Detection of DNA Hybridization. <i>Advanced Materials</i> , 2007, 19, 1933-1936.	21.0	109
24	Multiple nucleation events and local dynamics of poly(μ -caprolactone) (PCL) confined to nanoporous alumina. <i>Soft Matter</i> , 2013, 9, 9189.	2.7	107
25	Homogeneous crystallization and local dynamics of poly(ethylene oxide) (PEO) confined to nanoporous alumina. <i>Soft Matter</i> , 2013, 9, 2621.	2.7	107
26	Porous Silicon and Alumina as Chemically Reactive Templates for the Synthesis of Tubes and Wires of SnSe, Sn, and SnO ₂ . <i>Angewandte Chemie - International Edition</i> , 2006, 45, 311-315.	13.8	106
27	Nanotubes À la Carte: Wetting of Porous Templates. <i>ChemPhysChem</i> , 2003, 4, 1171-1176.	2.1	105
28	Formation of Dendrimer Nanotubes by Layer-by-Layer Deposition. <i>Small</i> , 2004, 1, 99-102.	10.0	96
29	Nanoscale Morphologies in Block Copolymer Nanorods as Templates for Atomic-Layer Deposition of Semiconductors. <i>Advanced Materials</i> , 2009, 21, 2763-2766.	21.0	93
30	Suppression of Phase Transitions in a Confined Rodlike Liquid Crystal. <i>ACS Nano</i> , 2011, 5, 9208-9215.	14.6	92
31	Pt Nanoshell Tubes by Template Wetting. <i>Nano Letters</i> , 2004, 4, 143-147.	9.1	90
32	Interfacial Energy and Glass Temperature of Polymers Confined to Nanoporous Alumina. <i>Macromolecules</i> , 2016, 49, 7400-7414.	4.8	90
33	Electro-Oxidation of Ni ₄₂ Steel: A Highly Active Bifunctional Electrocatalyst. <i>Advanced Functional Materials</i> , 2016, 26, 6402-6417.	14.9	90
34	Direct Synthesis of Mesoporous Carbon Microwires and Nanowires. <i>Chemistry of Materials</i> , 2007, 19, 2383-2385.	6.7	87
35	X ₂₀ CoCrW _{Mo} 10-9//Co ₃ O ₄ : 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
36	Tree-like alumina nanopores generated in a non-steady-state anodization. <i>Journal of Materials Chemistry</i> , 2007, 17, 3493.	6.7	82

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37	Functional Quantum-Dot/Dendrimer Nanotubes for Sensitive Detection of DNA Hybridization. <i>Small</i> , 2008, 4, 566-571.	10.0	80
38	Humidity-enhanced wet adhesion on insect-inspired fibrillar adhesive pads. <i>Nature Communications</i> , 2015, 6, 6621.	12.8	80
39	Nondestructive Replication of Self-Ordered Nanoporous Alumina Membranes via Cross-Linked Polyacrylate Nanofiber Arrays. <i>Nano Letters</i> , 2008, 8, 1954-1959.	9.1	74
40	Mesoporous Block Copolymer Nanorods by Swelling-Induced Morphology Reconstruction. <i>Nano Letters</i> , 2008, 8, 3548-3553.	9.1	67
41	Reversible Adhesion Switching of Porous Fibrillar Adhesive Pads by Humidity. <i>Nano Letters</i> , 2013, 13, 5541-5548.	9.1	67
42	Quantitative Analysis of the Grain Morphology in Self-Assembled Hexagonal Lattices. <i>ACS Nano</i> , 2008, 2, 913-920.	14.6	65
43	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
44	Suppression of Poly(ethylene oxide) Crystallization in Diblock Copolymers of Poly(ethylene Terephthalate) and Poly(ethylene Glycol). <i>Macromolecules</i> , 2014, 47, 1793-1800.	4.8	63
45	Dynamics of Unentangled <i>cis</i> -1,4-Polyisoprene Confined to Nanoporous Alumina. <i>Macromolecules</i> , 2014, 47, 3895-3900.	4.8	63
46	Homogeneous Nucleation of Predominantly Cubic Ice Confined in Nanoporous Alumina. <i>Nano Letters</i> , 2015, 15, 1987-1992.	9.1	60
47	Confinement Effects on Chain Dynamics and Local Chain Order in Entangled Polymer Melts. <i>Macromolecules</i> , 2010, 43, 4429-4434.	4.8	58
48	Gold/Carbon Composite Tubes and Gold Nanowires by Impregnating Templates with Hydrogen Tetrachloroaurate/Acetone Solutions. <i>Nano Letters</i> , 2004, 4, 1121-1125.	9.1	56
49	Lithium Niobate Microtubes within Ordered Macroporous Silicon by Templated Thermolysis of a Single Source Precursor. <i>Chemistry of Materials</i> , 2005, 17, 3-5.	6.7	56
50	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
51	Arrays of Aligned Supramolecular Wires by Macroscopic Orientation of Columnar Discotic Mesophases. <i>ACS Nano</i> , 2012, 6, 9359-9365.	14.6	50
52	Oxidized Mild Steel S235: An Efficient Anode for Electrocatalytically Initiated Water Splitting. <i>ChemSusChem</i> , 2015, 8, 3099-3110.	6.8	50
53	Nanopatterned Carbon Films with Engineered Morphology by Direct Carbonization of UV-Stabilized Block Copolymer Films. <i>Nano Letters</i> , 2008, 8, 3993-3997.	9.1	49
54	Polycyanurate Nanorod Arrays for Optical-Waveguide-Based Biosensing. <i>Nano Letters</i> , 2010, 10, 2173-2177.	9.1	48

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55	One step route to the fabrication of arrays of TiO ₂ nanobowls via a complementary block copolymer templating and sol-gel process. <i>Soft Matter</i> , 2008, 4, 515-521.	2.7	46
56	Poly(β -benzyl-L-glutamate) Peptides Confined to Nanoporous Alumina: Pore Diameter Dependence of Self-Assembly and Segmental Dynamics. <i>Macromolecules</i> , 2009, 42, 2881-2885.	4.8	46
57	Adsorption Hysteresis in Self-Ordered Nanoporous Alumina. <i>Langmuir</i> , 2008, 24, 10936-10941.	3.5	44
58	Visible-light active nanohybrid TiO ₂ /carbon photocatalysts with programmed morphology by direct carbonization of block copolymer templates. <i>Green Chemistry</i> , 2011, 13, 3397.	9.0	44
59	Organic Tube/Rod Hybrid Nanofibers with Adjustable Segment Lengths by Bidirectional Template Wetting. <i>Advanced Functional Materials</i> , 2007, 17, 1327-1332.	14.9	43
60	Ferroelectric Lead Zirconate Titanate and Barium Titanate Nanotubes. <i>Integrated Ferroelectrics</i> , 2003, 59, 1513-1520.	0.7	42
61	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
62	Mesoporous Polymer Nanofibers by Infiltration of Block Copolymers with Sacrificial Domains into Porous Alumina. <i>Chemistry of Materials</i> , 2008, 20, 379-381.	6.7	41
63	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
64	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
65	Polymer Dynamics of Polybutadiene in Nanoscopic Confinement As Revealed by Field Cycling ¹ H NMR. <i>Macromolecules</i> , 2011, 44, 4017-4021.	4.8	38
66	Porous block copolymer separation membranes for 21st century sanitation and hygiene. <i>Chemical Society Reviews</i> , 2021, 50, 6333-6348.	38.1	38
67	Morphology of Polymer/Liquid-Crystal Nanotubes: Influence of Confinement. <i>Advanced Functional Materials</i> , 2005, 15, 1656-1664.	14.9	37
68	Complex dynamics of capillary imbibition of poly(ethylene oxide) melts in nanoporous alumina. <i>Journal of Chemical Physics</i> , 2017, 146, 203320.	3.0	37
69	Supramolecular Organization of Polymeric Materials in Nanoporous Hard Templates. , 2008, , 123-187.		36
70	Electrochemical synthesis of coaxial TiO ₂ -Ag nanowires and their application in photocatalytic water splitting. <i>Journal of Materials Chemistry A</i> , 2014, 2, 2648-2656.	10.3	36
71	Large-scale template-assisted growth of LiNbO ₃ one-dimensional nanostructures for nano-sensors. <i>Sensors and Actuators B: Chemical</i> , 2005, 109, 86-90.	7.8	35
72	Calibration of optically trapped nanotools. <i>Nanotechnology</i> , 2010, 21, 175501.	2.6	35

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73	Tuning and Switching the Hypersonic Phononic Properties of Elastic Impedance Contrast Nanocomposites. <i>ACS Nano</i> , 2010, 4, 3471-3481.	14.6	35
74	Formation, morphology and internal structure of one-dimensional nanostructures of the ferroelectric polymer P(VDF-TrFE). <i>Polymer</i> , 2013, 54, 2737-2744.	3.8	35
75	Large-Scale Diffusion of Entangled Polymers along Nanochannels. <i>ACS Macro Letters</i> , 2015, 4, 561-565.	4.8	35
76	Steel-based electrocatalysts for efficient and durable oxygen evolution in acidic media. <i>Catalysis Science and Technology</i> , 2018, 8, 2104-2116.	4.1	35
77	High-temperature resistant, ordered gold nanoparticle arrays. <i>Nanotechnology</i> , 2006, 17, 2122-2126.	2.6	34
78	Confined Diffusion in Ordered Nanoporous Alumina Membranes. <i>Small</i> , 2007, 3, 380-385.	10.0	34
79	What Happens to Polymer Chains Confined in Rigid Cylindrical Inorganic (AAO) Nanopores. <i>Macromolecules</i> , 2013, 46, 4932-4936.	4.8	34
80	Lead titanate nano- and microtubes. <i>Journal of Materials Research</i> , 2006, 21, 685-690.	2.6	33
81	Dynamics of Entangled cis-1,4-Polyisoprene Confined to Nanoporous Alumina. <i>Macromolecules</i> , 2019, 52, 4185-4195.	4.8	33
82	Single-Crystalline CdSe Nanostructures: from Primary Grains to Oriented Nanowires. <i>Chemistry of Materials</i> , 2006, 18, 6094-6096.	6.7	32
83	Chain Dynamics and Segmental Orientation in Polymer Melts Confined to Nanochannels. <i>Macromolecules</i> , 2016, 49, 244-256.	4.8	30
84	Ordered Arrays of Mesoporous Microrods from Recyclable Macroporous Silicon Templates. <i>Advanced Materials</i> , 2006, 18, 2153-2156.	21.0	28
85	Effects of polydispersity, additives, impurities and surfaces on the crystallization of poly(ethylene Terephthalate). <i>Overlooked</i>	3.8	28
86	Fabrication of Au/Titania Composite Nanodot Arrays from Au-Loaded Block Copolymer Micellar Films. <i>Macromolecular Rapid Communications</i> , 2005, 26, 1173-1178.	3.9	27
87	“Four Birds with One Stone” Synthesis of Nanostructures of ZnTe, Te, ZnAl ₂ O ₄ , and Te/ZnAl ₂ O ₄ from a Single-Source Precursor. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 8042-8045.	13.8	27
88	Crystallization of Amorphous SiO ₂ Microtubes Catalyzed by Lithium. <i>Advanced Functional Materials</i> , 2007, 17, 1952-1957.	14.9	27
89	Nondestructive Mechanical Release of Ordered Polymer Microfiber Arrays from Porous Templates. <i>Small</i> , 2007, 3, 993-1000.	10.0	27
90	Morphology of Porous Hosts Directs Preferred Polymorph Formation and Influences Kinetics of Solid/Solid Transitions of Confined Pharmaceuticals. <i>Crystal Growth and Design</i> , 2014, 14, 78-86.	3.0	27

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91	Filtration-Based Synthesis of Micelle-Derived Composite Membranes for High-Flux Ultrafiltration. ACS Applied Materials & Interfaces, 2015, 7, 6974-6981.	8.0	27
92	Dynamics of Ice/Water Confined in Nanoporous Alumina. Journal of Physical Chemistry B, 2015, 119, 14814-14820.	2.6	27
93	Advanced SERS Sensor Based on Capillarity-Assisted Preconcentration through Gold Nanoparticle-Decorated Porous Nanorods. Small, 2017, 13, 1603947.	10.0	27
94	Formation of Titania/Silica Hybrid Nanowires Containing Linear Mesocage Arrays by Evaporation-Induced Block Copolymer Self-Assembly and Atomic Layer Deposition. Angewandte Chemie - International Edition, 2007, 46, 6829-6832.	13.8	26
95	Measuring of the hardly measurable: adhesion properties of anti-adhesive surfaces. Applied Physics A: Materials Science and Processing, 2013, 111, 183-189.	2.3	26
96	Effect of Poly(ethylene oxide) Architecture on the Bulk and Confined Crystallization within Nanoporous Alumina. Macromolecules, 2016, 49, 5945-5954.	4.8	26
97	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
98	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
99	Quantum dot emitters in two-dimensional photonic crystals of macroporous silicon. Applied Physics Letters, 2005, 87, 142107.	3.3	24
100	Honeycombs in Honeycombs: Complex Liquid Crystal Alumina Composite Mesostructures. ACS Nano, 2014, 8, 4500-4509.	14.6	24
101	Free-Sustaining Three-Dimensional S235 Steel-Based Porous Electrocatalyst for Highly Efficient and Durable Oxygen Evolution. ChemSusChem, 2018, 11, 3661-3671.	6.8	24
102	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
103	The fabrication of graphitic thin films with highly dispersed noble metal nanoparticles by direct carbonization of block copolymer inverse micelle templates. Carbon, 2011, 49, 2120-2126.	10.3	23
104	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
105	Aligned Horizontal Silica Nanochannels by Oxidative Self-Sealing of Patterned Silicon Wafers. Chemistry of Materials, 2007, 19, 3-5.	6.7	22
106	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
107	Kinetics of Ice Nucleation Confined in Nanoporous Alumina. Journal of Physical Chemistry B, 2015, 119, 11960-11966.	2.6	22
108	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

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109	Soft and flexible poly(ethylene glycol) nanotubes for local drug delivery. <i>Nanoscale</i> , 2018, 10, 8413-8421.	5.6	22
110	Transfer of Sub-30-nm Patterns from Templates Based on Supramolecular Assemblies. <i>Macromolecules</i> , 2007, 40, 7752-7754.	4.8	21
111	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
112	How Gold Nanoparticles Influence Crystallization of Polyethylene in Rigid Cylindrical Nanopores. <i>Macromolecules</i> , 2013, 46, 403-412.	4.8	21
113	Nanostructuring Polymeric Materials by Templating Strategies. <i>Small</i> , 2011, 7, 1384-1391.	10.0	20
114	Eutectic liquid crystal mixture E7 in nanoporous alumina. Effects of confinement on the thermal and concentration fluctuations. <i>RSC Advances</i> , 2019, 9, 37846-37857.	3.6	20
115	Humidity-Modulated Core-Shell Nanopillars for Enhancement of Gecko-Inspired Adhesion. <i>ACS Applied Nano Materials</i> , 2020, 3, 3596-3603.	5.0	20
116	Au/Titania Composite Nanoparticle Arrays with Controlled Size and Spacing by Organic-Inorganic Nanohybridization in Thin Film Block Copolymer Templates. <i>Bulletin of the Korean Chemical Society</i> , 2007, 28, 1015-1020.	1.9	19
117	Ordered Topographically Patterned Silicon by Insect-Inspired Capillary Submicron Stamping. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 7451-7458.	8.0	18
118	Anisotropic propagation and confinement of high frequency phonons in nanocomposites. <i>Journal of Chemical Physics</i> , 2009, 130, 111102.	3.0	17
119	Block Copolymer Nanotubes by Melt-Infiltration of Nanoporous Aluminum Oxide. <i>Advanced Materials</i> , 2011, 23, 781-786.	21.0	17
120	Intercalation of Li ⁺ into a Co-Containing Steel-Ceramic Composite: Substantial Oxygen Evolution at Almost Zero Overpotential. <i>ACS Catalysis</i> , 2018, 8, 10914-10925.	11.2	17
121	Functionalization of porous siliceous materials, Part 2: Surface characterization by inverse gas chromatography. <i>Journal of Chromatography A</i> , 2019, 1603, 297-310.	3.7	17
122	Magnetically Controllable Polymer Nanotubes from a Cyclized Crosslinker for Site-Specific Delivery of Doxorubicin. <i>Scientific Reports</i> , 2015, 5, 17478.	3.3	16
123	Capillary Imbibition, Crystallization, and Local Dynamics of Hyperbranched Poly(ethylene oxide) Confined to Nanoporous Alumina. <i>Macromolecules</i> , 2017, 50, 8755-8764.	4.8	16
124	<i>In Situ</i> Monitoring of the Imbibition of Poly(<i>n</i> -butyl methacrylates) in Nanoporous Alumina by Dielectric Spectroscopy. <i>Macromolecules</i> , 2019, 52, 8167-8176.	4.8	16
125	Integration of Erbium-Doped Lithium Niobate Microtubes into Ordered Macroporous Silicon. <i>Advanced Materials</i> , 2006, 18, 363-366.	21.0	15
126	Ultrafine Sanding Paper: A Simple Tool for Creating Small Particles. <i>Small</i> , 2015, 11, 931-935.	10.0	15

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127	Pharmaceutical nanocrystals confined in porous host systems – interfacial effects and amorphous interphases. <i>Chemical Communications</i> , 2016, 52, 4466-4469.	4.1	15
128	Capillary Nanostamping with Spongy Mesoporous Silica Stamps. <i>Advanced Functional Materials</i> , 2018, 28, 1800700.	14.9	15
129	In situ growth of luminescent MOF thin films of Sr/Eu(ii)-imidazolate on functionalized nanostructured alumina. <i>CrystEngComm</i> , 2013, 15, 9382.	2.6	14
130	Nanostructured Metal/Carbon Hybrids for Electrocatalysis by Direct Carbonization of Inverse Micelle Multilayers. <i>ACS Nano</i> , 2013, 7, 1573-1582.	14.6	14
131	Evaluation of 3D gold nanodendrite layers obtained by templated galvanic displacement reactions for SERS sensing and heterogeneous catalysis. <i>Nanoscale</i> , 2018, 10, 20671-20680.	5.6	14
132	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
133	Polymer Tubes with Longitudinal Composition Gradient by Face-to-Face Wetting. <i>Chemistry of Materials</i> , 2008, 20, 1076-1081.	6.7	13
134	Polymer dynamics under cylindrical confinement featuring a locally repulsive surface: A quasielastic neutron scattering study. <i>Journal of Chemical Physics</i> , 2017, 146, 203306.	3.0	13
135	Semicrystalline Block Copolymers in Rigid Confining Nanopores. <i>Macromolecules</i> , 2017, 50, 8637-8646.	4.8	13
136	Scanner-Based Capillary Stamping. <i>Advanced Functional Materials</i> , 2020, 30, 2001531.	14.9	13
137	Nanoscaled Discotic Liquid Crystal/Polymer Systems: Confinement Effects on Morphology and Thermodynamics. <i>Molecular Crystals and Liquid Crystals</i> , 2008, 495, 285/[637]-293/[645].	0.9	12
138	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
139	Organic melt, electride, 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
140	Close-packed silane nanodot arrays by capillary nanostamping coupled with heterocyclic silane ring opening. <i>RSC Advances</i> , 2019, 9, 24742-24750.	3.6	11
141	Nondestructive high-throughput screening of nanopore geometry in porous membranes by imbibition. <i>Applied Physics Letters</i> , 2019, 115, .	3.3	11
142	Silica Nanotubes by Templated Thermolysis of Silicon Tetraacetate. <i>Chemistry of Materials</i> , 2011, 23, 3129-3131.	6.7	10
143	Biological and Bioinspired Micro- and Nanostructured Adhesives. , 2013, , 409-439.		10
144	Thin-walled Er ³⁺ :Y ₂ O ₃ nanotubes showing up-converted fluorescence. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 3623.	2.8	9

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145	Adiabatic burst evaporation from bicontinuous nanoporous membranes. <i>Nanoscale</i> , 2015, 7, 9185-9193.	5.6	9
146	The Influence of Surface Topography and Surface Chemistry on the Anti-Adhesive Performance of Nanoporous Monoliths. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 22593-22604.	8.0	9
147	Substrate Patterning Using Regular Macroporous Block Copolymer Monoliths as Sacrificial Templates and as Capillary Microstamps. <i>Small</i> , 2018, 14, e1801452.	10.0	9
148	Reactive Templates: Doing Chemistry with Pore Walls. <i>Advanced Materials</i> , 2008, 20, 1218-1221.	21.0	8
149	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
150	Bioinspired monolithic polymer microsphere arrays as generically anti-adhesive surfaces. <i>Bioinspiration and Biomimetics</i> , 2016, 11, 025002.	2.9	8
151	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
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