

Ulrich B Wiesner

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/925591/publications.pdf>

Version: 2024-02-01

303
papers

27,091
citations

6486

82
h-index

7836

155
g-index

318
all docs

318
docs citations

318
times ranked

33067
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular Engineering of Surface Functional Groups Enabling Clinical Translation of Nanoparticle-Drug Conjugates. <i>Chemistry of Materials</i> , 2022, 34, 5344-5355.	3.2	8
2	Ultrasmall Nanoparticle Delivery of Doxorubicin Improves Therapeutic Index for High-Grade Glioma. <i>Clinical Cancer Research</i> , 2022, 28, 2938-2952.	3.2	11
3	Fluorescent Silica Nanoparticles to Label Metastatic Tumor Cells in Mineralized Bone Microenvironments. <i>Small</i> , 2021, 17, e2001432.	5.2	14
4	Ordered Mesoporous Microcapsules from Double Emulsion Confined Block Copolymer Self-Assembly. <i>ACS Nano</i> , 2021, 15, 3490-3499.	7.3	40
5	Superconducting Quantum Metamaterials from High Pressure Melt Infiltration of Metals into Block Copolymer Double Gyroid Derived Ceramic Templates. <i>Advanced Functional Materials</i> , 2021, 31, 2100469.	7.8	7
6	Structurally Asymmetric Porous Carbon Materials with Ordered Top Surface Layers from Nonequilibrium Block Copolymer Self-Assembly. <i>Macromolecules</i> , 2021, 54, 2979-2991.	2.2	11
7	Use of Ultrasmall Core-Shell Fluorescent Silica Nanoparticles for Image-Guided Sentinel Lymph Node Biopsy in Head and Neck Melanoma. <i>JAMA Network Open</i> , 2021, 4, e211936.	2.8	59
8	Superconducting Quantum Metamaterials from Convergence of Soft and Hard Condensed Matter Science. <i>Advanced Materials</i> , 2021, 33, e2006975.	11.1	9
9	Surface Segregation and Self-Assembly of Block Copolymer Separation Layers on Top of Homopolymer Substructures in Asymmetric Ultrafiltration Membranes from a Single Casting Step. <i>Advanced Functional Materials</i> , 2021, 31, 2009387.	7.8	14
10	Orthogonal Nanoprobes Enabling Two-Color Optical Super-Resolution Microscopy Imaging of the Two Domains of Diblock Copolymer Thin Film Nanocomposites. <i>Chemistry of Materials</i> , 2021, 33, 5156-5167.	3.2	3
11	Superconducting Quantum Metamaterials: Superconducting Quantum Metamaterials from High Pressure Melt Infiltration of Metals into Block Copolymer Double Gyroid Derived Ceramic Templates (<i>Adv. Funct. Mater.</i> 23/2021). <i>Advanced Functional Materials</i> , 2021, 31, 2170166.	7.8	0
12	Rapid Identification of Synthetic Routes to Functional Metastable Phases Using X-ray Probed Laser Anneal Mapping (XPLAM) Time-Temperature Quench Maps. <i>Chemistry of Materials</i> , 2021, 33, 4328-4336.	3.2	7
13	Mesoporous Superconductors: Superconducting Quantum Metamaterials from Convergence of Soft and Hard Condensed Matter Science (<i>Adv. Mater.</i> 26/2021). <i>Advanced Materials</i> , 2021, 33, 2170203.	11.1	0
14	Patternable Mesoporous Thin Film Quantum Materials via Block Copolymer Self-Assembly: An Emergent Technology?. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 34732-34741.	4.0	4
15	Addressing Particle Compositional Heterogeneities in Super-Resolution-Enhanced Live-Cell Ratiometric pH Sensing with Ultrasmall Fluorescent Core-Shell Aluminosilicate Nanoparticles. <i>Advanced Functional Materials</i> , 2021, 31, 2106144.	7.8	9
16	One-Pot Structure Direction of Large-Pore Co-Continuous Carbon Monoliths from Ultralarge Linear Diblock Copolymers. <i>Chemistry of Materials</i> , 2021, 33, 7731-7742.	3.2	2
17	Ultrasmall, Bright, and Photostable Fluorescent Core-Shell Aluminosilicate Nanoparticles for Live-Cell Optical Super-Resolution Microscopy. <i>Advanced Materials</i> , 2021, 33, e2006829.	11.1	21
18	Iron and nitrogen-doped double gyroid mesoporous carbons for oxygen reduction in acidic environments. <i>JPhys Energy</i> , 2021, 3, 015001.	2.3	3

#	ARTICLE	IF	CITATIONS
19	Ultrasmall PEGylated and Targeted Core-Shell Silica Nanoparticles Carrying Methylene Blue Photosensitizer. ACS Biomaterials Science and Engineering, 2020, 6, 256-264.	2.6	23
20	Optical super-resolution microscopy in polymer science. Progress in Polymer Science, 2020, 111, 101312.	11.8	22
21	Carbon-Assisted Stable Silver Nanostructures. Advanced Materials Interfaces, 2020, 7, 2001227.	1.9	9
22	Materials Combining Asymmetric Pore Structures with Well-Defined Mesoporosity for Energy Storage and Conversion. ACS Nano, 2020, 14, 16897-16906.	7.3	18
23	Block Copolymer Self-Assembly-Directed and Transient Laser Heating-Enabled Nanostructures toward Phononic and Photonic Quantum Materials. ACS Nano, 2020, 14, 11273-11282.	7.3	16
24	Molecular Engineering of Ultrasmall Silica Nanoparticle-Drug Conjugates as Lung Cancer Therapeutics. Clinical Cancer Research, 2020, 26, 5424-5437.	3.2	21
25	The Next 100 Years of Polymer Science. Macromolecular Chemistry and Physics, 2020, 221, 2000216.	1.1	69
26	Ferroptosis occurs through an osmotic mechanism and propagates independently of cell rupture. Nature Cell Biology, 2020, 22, 1042-1048.	4.6	228
27	Porous cage-derived nanomaterial inks for direct and internal three-dimensional printing. Nature Communications, 2020, 11, 4695.	5.8	18
28	Strong Circular Dichroism in Single Gyroid Optical Metamaterials. Advanced Optical Materials, 2020, 8, 1902131.	3.6	32
29	Structural Evolution of Ternary Amphiphilic Block Copolymer Solvent Systems for Phase Inversion Membrane Formation. Macromolecules, 2020, 53, 4889-4900.	2.2	7
30	Ultrasmall Core-Shell Silica Nanoparticles for Precision Drug Delivery in a High-Grade Malignant Brain Tumor Model. Clinical Cancer Research, 2020, 26, 147-158.	3.2	59
31	A Genomic Profile of Local Immunity in the Melanoma Microenvironment Following Treatment with $\hat{\pm}$ Particle-Emitting Ultrasmall Silica Nanoparticles. Cancer Biotherapy and Radiopharmaceuticals, 2020, 35, 459-473.	0.7	13
32	Targeted melanoma radiotherapy using ultrasmall ^{177}Lu -labeled $\hat{\pm}$ -melanocyte stimulating hormone-functionalized core-shell silica nanoparticles. Biomaterials, 2020, 241, 119858.	5.7	35
33	Two-Dimensional Superstructures of Silica Cages. Advanced Materials, 2020, 32, e1908362.	11.1	20
34	Preparation of Macroscopic Block-Copolymer-Based Gyroidal Mesoscale Single Crystals by Solvent Evaporation. Advanced Materials, 2019, 31, e1902565.	11.1	18
35	Inner and Outer Surface Functionalizations of Ultrasmall Fluorescent Silica Nanorings As Shown by High-Performance Liquid Chromatography. Chemistry of Materials, 2019, 31, 5519-5528.	3.2	8
36	Surface Reconstruction Limited Conductivity in Block-Copolymer Li Battery Electrolytes. Advanced Functional Materials, 2019, 29, 1905977.	7.8	26

#	ARTICLE	IF	CITATIONS
37	Quantitative Comparison of Dye and Ultrasmall Fluorescent Silica Core-Shell Nanoparticle Probes for Optical Super-Resolution Imaging of Model Block Copolymer Thin Film Surfaces. ACS Macro Letters, 2019, 8, 1378-1382.	2.3	9
38	Lu-177 radiolabeled ultrasmall Cd TM dot nanoparticle melanoma theranostics. Nuclear Medicine and Biology, 2019, 72-73, S60.	0.3	0
39	Ultrasmall Renally Clearable Silica Nanoparticles Target Prostate Cancer. ACS Applied Materials & Interfaces, 2019, 11, 43879-43887.	4.0	27
40	Controlling Surface Chemical Heterogeneities of Ultrasmall Fluorescent Core-Shell Silica Nanoparticles as Revealed by High-Performance Liquid Chromatography. Journal of Physical Chemistry C, 2019, 123, 23246-23254.	1.5	7
41	Efficient Endocytosis of Inorganic Nanoparticles with Zwitterionic Surface Functionalization. ACS Applied Materials & Interfaces, 2019, 11, 38475-38482.	4.0	16
42	Amorphous Quantum Nanomaterials: Amorphous Quantum Nanomaterials (Adv. Mater. 5/2019). Advanced Materials, 2019, 31, 1970034.	11.1	2
43	Bimodal Morphology Transition Pathway in the Synthesis of Ultrasmall Fluorescent Mesoporous Silica Nanoparticles. Journal of Physical Chemistry C, 2019, 123, 9582-9589.	1.5	6
44	Dye Encapsulation in Fluorescent Core-Shell Silica Nanoparticles as Probed by Fluorescence Correlation Spectroscopy. Journal of Physical Chemistry C, 2019, 123, 9813-9823.	1.5	27
45	Molecular phenotyping and image-guided surgical treatment of melanoma using spectrally distinct ultrasmall core-shell silica nanoparticles. Science Advances, 2019, 5, eaax5208.	4.7	36
46	A rheometry method to assess the evaporation-induced mechanical strength development of polymer solutions used for membrane applications. Journal of Applied Polymer Science, 2019, 136, 47038.	1.3	9
47	Block Copolymer Self-Assembly Directed Hierarchically Structured Materials from Nonequilibrium Transient Laser Heating. Macromolecules, 2019, 52, 395-409.	2.2	45
48	Quantitative Measure of the Size Dispersity in Ultrasmall Fluorescent Organic-Inorganic Hybrid Core-Shell Silica Nanoparticles by Small-Angle X-ray Scattering. Chemistry of Materials, 2019, 31, 643-657.	3.2	18
49	High-Performance Chromatographic Characterization of Surface Chemical Heterogeneities of Fluorescent Organic-Inorganic Hybrid Core-Shell Silica Nanoparticles. ACS Nano, 2019, 13, 1795-1804.	7.3	17
50	Metasurfaces Atop Metamaterials: Surface Morphology Induces Linear Dichroism in Gyroid Optical Metamaterials. Advanced Materials, 2019, 31, 1803478.	11.1	24
51	Amorphous Quantum Nanomaterials. Advanced Materials, 2019, 31, 1806993.	11.1	15
52	Understanding the Influence of Porosity on Product Selectivity for Copper CO ₂ Reduction Electrocatalysts. ECS Meeting Abstracts, 2019, , .	0.0	0
53	Block copolymer derived 3-D interpenetrating multifunctional gyroidal nano hybrids for electrical energy storage. Energy and Environmental Science, 2018, 11, 1261-1270.	15.6	124
54	A crystalline and 3D periodically ordered mesoporous quaternary semiconductor for photocatalytic hydrogen generation. Nanoscale, 2018, 10, 3225-3234.	2.8	25

#	ARTICLE	IF	CITATIONS
55	Nanotechnology Strategies To Advance Outcomes in Clinical Cancer Care. ACS Nano, 2018, 12, 24-43.	7.3	192
56	Fluorescent Silica Nanoparticles with Well-Separated Intensity Distributions from Batch Reactions. Nano Letters, 2018, 18, 1305-1310.	4.5	16
57	Soft self-assembly of Weyl materials for light and sound. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E3655-E3664.	3.3	51
58	Melanocortin-1 Receptor-Targeting Ultrasmall Silica Nanoparticles for Dual-Modality Human Melanoma Imaging. ACS Applied Materials & Interfaces, 2018, 10, 4379-4393.	4.0	40
59	Pathways to Mesoporous Resin/Carbon Thin Films with Alternating Gyroid Morphology. ACS Nano, 2018, 12, 347-358.	7.3	35
60	Dynamics of Nanoparticles in Entangled Polymer Solutions. Langmuir, 2018, 34, 241-249.	1.6	42
61	Localising functionalised gold-nanoparticles in murine spinal cords by X-ray fluorescence imaging and background-reduction through spatial filtering for human-sized objects. Scientific Reports, 2018, 8, 16561.	1.6	25
62	Synthesis and Formation Mechanism of All-Organic Block Copolymer-Directed Templating of Laser-Induced Crystalline Silicon Nanostructures. ACS Applied Materials & Interfaces, 2018, 10, 42777-42785.	4.0	15
63	Early Formation Pathways of Surfactant Micelle Directed Ultrasmall Silica Ring and Cage Structures. Journal of the American Chemical Society, 2018, 140, 17343-17348.	6.6	18
64	Linear and Circular Dichroism in Gyroid Optical Metamaterials. , 2018, , .		0
65	Ultrasmall targeted nanoparticles with engineered antibody fragments for imaging detection of HER2-overexpressing breast cancer. Nature Communications, 2018, 9, 4141.	5.8	126
66	Nanoscale <i>in situ</i> -Resolved Phonon Dynamics in Block Copolymers. ACS Applied Nano Materials, 2018, 1, 4918-4926.	2.4	6
67	Controlling Self-Assembly in Gyroid Terpolymer Films By Solvent Vapor Annealing. Small, 2018, 14, e1802401.	5.2	21
68	Generalized Access to Mesoporous Inorganic Particles and Hollow Spheres from Multicomponent Polymer Blends. Advanced Materials, 2018, 30, e1801127.	11.1	52
69	Self-assembly of highly symmetrical, ultrasmall inorganic cages directed by surfactant micelles. Nature, 2018, 558, 577-580.	13.7	86
70	Characterization of Sulfur and Nanostructured Sulfur Battery Cathodes in Electron Microscopy Without Sublimation Artifacts. Microscopy and Microanalysis, 2017, 23, 155-162.	0.2	40
71	Diffusion of rigid nanoparticles in crowded polymer-network hydrogels: dominance of segmental density over crosslinking density. Colloid and Polymer Science, 2017, 295, 1371-1381.	1.0	8
72	Expanding analytical tools for characterizing ultrasmall silica-based nanoparticles. RSC Advances, 2017, 7, 16861-16865.	1.7	4

#	ARTICLE	IF	CITATIONS
73	Effect of humidity on surface structure and permeation of triblock terpolymer derived SNIPS membranes. <i>Polymer</i> , 2017, 126, 368-375.	1.8	17
74	Mesoporous titanium and niobium nitrides as conductive and stable electrocatalyst supports in acid environments. <i>Chemical Communications</i> , 2017, 53, 7250-7253.	2.2	34
75	Block Copolymer Directed Nanostructured Surfaces as Templates for Confined Surface Reactions. <i>Macromolecules</i> , 2017, 50, 542-549.	2.2	18
76	Exploring Periodic Bicontinuous Cubic Network Structures with Complete Phononic Bandgaps. <i>Journal of Physical Chemistry C</i> , 2017, 121, 22347-22352.	1.5	24
77	Nanopatterning of Crystalline Transition Metal Oxides by Surface Templated Nucleation on Block Copolymer Mesostructures. <i>Crystal Growth and Design</i> , 2017, 17, 5775-5782.	1.4	6
78	Discovering Synthesis Routes to Hexagonally Ordered Mesoporous Niobium Nitrides Using Ploxamer/Pluronics Block Copolymers. <i>Chemistry of Materials</i> , 2017, 29, 8973-8977.	3.2	12
79	Cancer-Targeting Ultrasmall Silica Nanoparticles for Clinical Translation: Physicochemical Structure and Biological Property Correlations. <i>Chemistry of Materials</i> , 2017, 29, 8766-8779.	3.2	58
80	Target-or-Clear Zirconium-89 Labeled Silica Nanoparticles for Enhanced Cancer-Directed Uptake in Melanoma: A Comparison of Radiolabeling Strategies. <i>Chemistry of Materials</i> , 2017, 29, 8269-8281.	3.2	59
81	Formation pathways of mesoporous silica nanoparticles with dodecagonal tiling. <i>Nature Communications</i> , 2017, 8, 252.	5.8	51
82	Modular and Orthogonal Post-PEGylation Surface Modifications by Insertion Enabling Penta-Functional Ultrasmall Organic-Silica Hybrid Nanoparticles. <i>Chemistry of Materials</i> , 2017, 29, 6840-6855.	3.2	31
83	Optical Imaging of Large Gyroid Grains in Block Copolymer Templates by Confined Crystallization. <i>Macromolecules</i> , 2017, 50, 6255-6262.	2.2	29
84	Biocatalytic Stimuli-Responsive Asymmetric Triblock Terpolymer Membranes for Localized Permeability Gating. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1700364.	2.0	14
85	Intraoperative mapping of sentinel lymph node metastases using a clinically translated ultrasmall silica nanoparticle. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2016, 8, 535-553.	3.3	49
86	Dynamically Responsive Multifunctional Asymmetric Triblock Terpolymer Membranes with Intrinsic Binding Sites for Covalent Molecule Attachment. <i>Chemistry of Materials</i> , 2016, 28, 3870-3876.	3.2	38
87	Ordered gyroidal tantalum oxide photocatalysts: eliminating diffusion limitations and tuning surface barriers. <i>Nanoscale</i> , 2016, 8, 16694-16701.	2.8	27
88	Gyroid Optical Metamaterials: Calculating the Effective Permittivity of Multidomain Samples. <i>ACS Photonics</i> , 2016, 3, 1888-1896.	3.2	38
89	Asymmetric Membranes from Two Chemically Distinct Triblock Terpolymers Blended during Standard Membrane Fabrication. <i>Macromolecular Rapid Communications</i> , 2016, 37, 1689-1693.	2.0	8
90	Tuning substructure and properties of supported asymmetric triblock terpolymer membranes. <i>Polymer</i> , 2016, 107, 398-405.	1.8	21

#	ARTICLE	IF	CITATIONS
91	Ultrasmall nanoparticles induce ferroptosis in nutrient-deprived cancer cells and suppress tumour growth. <i>Nature Nanotechnology</i> , 2016, 11, 977-985.	15.6	467
92	Understanding Initial Formation Stages of Nanomaterials Using Cryo-TEM. <i>Microscopy and Microanalysis</i> , 2016, 22, 1844-1845.	0.2	0
93	Enhanced Efficiency and Stability of Perovskite Solar Cells Through Nd-Doping of Mesostructured TiO ₂ . <i>Advanced Energy Materials</i> , 2016, 6, 1501868.	10.2	157
94	<i>In Situ</i> Study of Evaporation-Induced Surface Structure Evolution in Asymmetric Triblock Terpolymer Membranes. <i>Macromolecules</i> , 2016, 49, 4195-4201.	2.2	35
95	Formation of Periodically-Ordered Calcium Phosphate Nanostructures by Block Copolymer-Directed Self-Assembly. <i>Chemistry of Materials</i> , 2016, 28, 838-847.	3.2	12
96	Block copolymer self-assembly-directed synthesis of mesoporous gyroidal superconductors. <i>Science Advances</i> , 2016, 2, e1501119.	4.7	104
97	Stimuli-Responsive Shapeshifting Mesoporous Silica Nanoparticles. <i>Nano Letters</i> , 2016, 16, 651-655.	4.5	26
98	Elucidating the Mechanism of Silica Nanoparticle PEGylation Processes Using Fluorescence Correlation Spectroscopies. <i>Chemistry of Materials</i> , 2016, 28, 1537-1545.	3.2	76
99	Self-Assembled Gyroidal Mesoporous Polymer-Derived High Temperature Ceramic Monoliths. <i>Chemistry of Materials</i> , 2016, 28, 2131-2137.	3.2	29
100	Plasmonic-Induced Photon Recycling in Metal Halide Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2015, 25, 5038-5046.	7.8	198
101	Cryo-STEM Reveals Humidity-Controlled Shape Change in Silica Nanoparticles. <i>Microscopy and Microanalysis</i> , 2015, 21, 1827-1828.	0.2	0
102	Crystallization Kinetics of Organic-Inorganic Trihalide Perovskites and the Role of the Lead Anion in Crystal Growth. <i>Journal of the American Chemical Society</i> , 2015, 137, 2350-2358.	6.6	326
103	Ultrasmooth organic-inorganic perovskite thin-film formation and crystallization for efficient planar heterojunction solar cells. <i>Nature Communications</i> , 2015, 6, 6142.	5.8	784
104	Highly fluorescent sub 40-nm aminated mesoporous silica nanoparticles. <i>Journal of Sol-Gel Science and Technology</i> , 2015, 74, 32-38.	1.1	7
105	Control of Ultrasmall Sub-10 nm Ligand-Functionalized Fluorescent Core-Shell Silica Nanoparticle Growth in Water. <i>Chemistry of Materials</i> , 2015, 27, 4119-4133.	3.2	107
106	Dielectric discontinuity in equilibrium block copolymer micelles. <i>Soft Matter</i> , 2015, 11, 7081-7085.	1.2	5
107	One-Pot Synthesis of Hierarchically Macro- and Mesoporous Carbon Materials with Graded Porosity. <i>ACS Macro Letters</i> , 2015, 4, 477-482.	2.3	25
108	Controlling the coassembly of highly amphiphilic block copolymers with a hydrolytic sol by solvent exchange. <i>RSC Advances</i> , 2015, 5, 22499-22502.	1.7	4

#	ARTICLE	IF	CITATIONS
109	Ordered mesoporous crystalline aluminas from self-assembly of ABC triblock terpolymerâ€“butanolâ€“alumina sols. RSC Advances, 2015, 5, 49287-49294.	1.7	13
110	Transient laser heating induced hierarchical porous structures from block copolymerâ€“directed self-assembly. Science, 2015, 349, 54-58.	6.0	145
111	Multicomponent Nanomaterials with Complex Networked Architectures from Orthogonal Degradation and Binary Metal Backfilling in ABC Triblock Terpolymers. Journal of the American Chemical Society, 2015, 137, 6026-6033.	6.6	70
112	Direct Crystallization Route to Methylammonium Lead Iodide Perovskite from an Ionic Liquid. Chemistry of Materials, 2015, 27, 3197-3199.	3.2	87
113	Carbonâ€“Sulfur Composites from Cylindrical and Gyroidal Mesoporous Carbons with Tunable Properties in Lithiumâ€“Sulfur Batteries. Chemistry of Materials, 2015, 27, 3349-3357.	3.2	65
114	Block copolymer self-assembly for nanophotonics. Chemical Society Reviews, 2015, 44, 5076-5091.	18.7	328
115	Ordered mesoporous titania from highly amphiphilic block copolymers: tuned solution conditions enable highly ordered morphologies and ultra-large mesopores. Journal of Materials Chemistry A, 2015, 3, 11478-11492.	5.2	35
116	Graded porous inorganic materials derived from self-assembled block copolymer templates. Nanoscale, 2015, 7, 5826-5834.	2.8	21
117	Widely Tunable Morphologies in Block Copolymer Thin Films Through Solvent Vapor Annealing Using Mixtures of Selective Solvents. Advanced Functional Materials, 2015, 25, 3057-3065.	7.8	86
118	Ultrasmall dual-modality silica nanoparticle drug conjugates: Design, synthesis, and characterization. Bioorganic and Medicinal Chemistry, 2015, 23, 7119-7130.	1.4	26
119	Tailoring Pore Size of Graded Mesoporous Block Copolymer Membranes: Moving from Ultrafiltration toward Nanofiltration. Macromolecules, 2015, 48, 6153-6159.	2.2	94
120	Ultrasmall Integrinâ€“Targeted Silica Nanoparticles Modulate Signaling Events and Cellular Processes in a Concentrationâ€“Dependent Manner. Small, 2015, 11, 1721-1732.	5.2	28
121	Block copolymer-nanoparticle hybrid self-assembly. Progress in Polymer Science, 2015, 40, 3-32.	11.8	139
122	A high transmission wave-guide wire network made by self-assembly. Nanoscale, 2015, 7, 1032-1036.	2.8	13
123	Clinical translation of an ultrasmall inorganic optical-PET imaging nanoparticle probe. Science Translational Medicine, 2014, 6, 260ra149.	5.8	589
124	Designing block copolymer architectures for targeted membrane performance. Polymer, 2014, 55, 347-353.	1.8	103
125	Synthesis and Characterization of Gyroidal Mesoporous Carbons and Carbon Monoliths with Tunable Ultralarge Pore Size. ACS Nano, 2014, 8, 731-743.	7.3	92
126	Hierarchically Porous Materials from Block Copolymers. Chemistry of Materials, 2014, 26, 339-347.	3.2	107

#	ARTICLE	IF	CITATIONS
127	Gyroidal mesoporous multifunctional nanocomposites via atomic layer deposition. <i>Nanoscale</i> , 2014, 6, 8736.	2.8	22
128	Monolithic Gyroidal Mesoporous Mixed Titanium–Niobium Nitrides. <i>ACS Nano</i> , 2014, 8, 8217-8223.	7.3	47
129	Linking experiment and theory for three-dimensional networked binary metal nanoparticle–triblock terpolymer superstructures. <i>Nature Communications</i> , 2014, 5, 3247.	5.8	58
130	Ultrafast Nonlinear Response of Gold Gyroid Three-Dimensional Metamaterials. <i>Physical Review Applied</i> , 2014, 2, .	1.5	37
131	Ordered nanostructured ceramic–metal composites through multifunctional block copolymer-metal nanoparticle self-assembly. <i>Journal of Sol-Gel Science and Technology</i> , 2014, 70, 286-291.	1.1	3
132	Water-Based Synthesis of Ultrasmall PEGylated Gold–Silica Core–Shell Nanoparticles with Long-Term Stability. <i>Chemistry of Materials</i> , 2014, 26, 5201-5207.	3.2	20
133	Influence of Thermal Processing Protocol upon the Crystallization and Photovoltaic Performance of Organic–Inorganic Lead Trihalide Perovskites. <i>Journal of Physical Chemistry C</i> , 2014, 118, 17171-17177.	1.5	225
134	Time-resolved GISAXS and cryo-microscopy characterization of block copolymer membrane formation. <i>Polymer</i> , 2014, 55, 1327-1332.	1.8	49
135	Thermally Induced Structural Evolution and Performance of Mesoporous Block Copolymer-Directed Alumina Perovskite Solar Cells. <i>ACS Nano</i> , 2014, 8, 4730-4739.	7.3	269
136	Capturing the Structure of Mesoporous Silica Nanoparticles in Solution With Cryo-TEM. <i>Microscopy and Microanalysis</i> , 2014, 20, 442-443.	0.2	1
137	Characterizing Sulfur in TEM and STEM, with Applications to Lithium Sulfur Batteries. <i>Microscopy and Microanalysis</i> , 2014, 20, 446-447.	0.2	5
138	Clinically-translated silica nanoparticles as dual-modality cancer-targeted probes for image-guided surgery and interventions. <i>Integrative Biology (United Kingdom)</i> , 2013, 5, 74-86.	0.6	153
139	Tunable 3D Extended Self-Assembled Gold Metamaterials with Enhanced Light Transmission. <i>Advanced Materials</i> , 2013, 25, 2713-2716.	11.1	80
140	Enhancement of Perovskite-Based Solar Cells Employing Core–Shell Metal Nanoparticles. <i>Nano Letters</i> , 2013, 13, 4505-4510.	4.5	505
141	Low temperature crystallisation of mesoporous TiO ₂ . <i>Nanoscale</i> , 2013, 5, 10518.	2.8	19
142	Asymmetric Organic–Inorganic Hybrid Membrane Formation via Block Copolymer–Nanoparticle Co-Assembly. <i>Nano Letters</i> , 2013, 13, 5323-5328.	4.5	71
143	Hierarchical Porous Polymer Scaffolds from Block Copolymers. <i>Science</i> , 2013, 341, 530-534.	6.0	257
144	Self-Cleaning Antireflective Optical Coatings. <i>Nano Letters</i> , 2013, 13, 5329-5335.	4.5	155

#	ARTICLE	IF	CITATIONS
145	Understanding the structure and performance of self-assembled triblock terpolymer membranes. <i>Journal of Membrane Science</i> , 2013, 444, 461-468.	4.1	59
146	Controlling Growth of Ultrasmall Sub-10 nm Fluorescent Mesoporous Silica Nanoparticles. <i>Chemistry of Materials</i> , 2013, 25, 677-691.	3.2	82
147	Towards mesoporous Keggin-type polyoxometalates – systematic study on organic template removal. <i>Journal of Materials Chemistry A</i> , 2013, 1, 6238.	5.2	12
148	Design and Applications of Multiscale Organic-Inorganic Hybrid Materials Derived from Block Copolymer Self-Assembly. <i>Advances in Polymer Science</i> , 2013, , 259-293.	0.4	10
149	Multicompartment Mesoporous Silica Nanoparticles with Branched Shapes: An Epitaxial Growth Mechanism. <i>Science</i> , 2013, 340, 337-341.	6.0	151
150	Generalized Routes to Mesostructured Silicates with High Metal Content. <i>Zeitschrift Fur Physikalische Chemie</i> , 2012, 226, 1219-1228.	1.4	6
151	Access to Ordered Porous Molybdenum Oxycarbide/Carbon Nanocomposites. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 12892-12896.	7.2	29
152	Influenza Virus-Membrane Fusion Triggered by Proton Uncaging for Single Particle Studies of Fusion Kinetics. <i>Analytical Chemistry</i> , 2012, 84, 8480-8489.	3.2	43
153	Direct Access to Ordered Porous Molybdenum Oxycarbide/Carbon Nanocomposites. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2012, 638, 1558-1558.	0.6	0
154	Synthesis and Formation Mechanism of Aminated Mesoporous Silica Nanoparticles. <i>Chemistry of Materials</i> , 2012, 24, 3895-3905.	3.2	61
155	Networked and chiral nanocomposites from ABC triblock terpolymer coassembly with transition metal oxide nanoparticles. <i>Journal of Materials Chemistry</i> , 2012, 22, 1078-1087.	6.7	58
156	Kinetic Rates of Thermal Transformations and Diffusion in Polymer Systems Measured during Sub-millisecond Laser-Induced Heating. <i>ACS Nano</i> , 2012, 6, 5830-5836.	7.3	31
157	One-Pot Synthesis of Intermetallic Electrocatalysts in Ordered, Large-Pore Mesoporous Carbon/Silica toward Formic Acid Oxidation. <i>ACS Nano</i> , 2012, 6, 6870-6881.	7.3	98
158	Solution Small-Angle X-ray Scattering as a Screening and Predictive Tool in the Fabrication of Asymmetric Block Copolymer Membranes. <i>ACS Macro Letters</i> , 2012, 1, 614-617.	2.3	100
159	Ultrasmall Sub-10 nm Near-Infrared Fluorescent Mesoporous Silica Nanoparticles. <i>Journal of the American Chemical Society</i> , 2012, 134, 13180-13183.	6.6	190
160	Layer-by-Layer Formation of Block Copolymer-Derived TiO ₂ for Solid State Dye-Sensitized Solar Cells. <i>Small</i> , 2012, 8, 432-440.	5.2	35
161	A silica sol-gel design strategy for nanostructured metallic materials. <i>Nature Materials</i> , 2012, 11, 460-467.	13.3	112
162	Predicting Chiral Nanostructures, Lattices and Superlattices in Complex Multicomponent Nanoparticle Self-Assembly. <i>Nano Letters</i> , 2012, 12, 3218-3223.	4.5	24

#	ARTICLE	IF	CITATIONS
163	General Method for the Synthesis of Hierarchical Nanocrystal-Based Mesoporous Materials. ACS Nano, 2012, 6, 6386-6399.	7.3	85
164	Triblock- ϵ -Terpolymer-Directed Self-Assembly of Mesoporous TiO ₂ : High-Performance Photoanodes for Solid-State Dye-Sensitized Solar Cells. Advanced Energy Materials, 2012, 2, 676-682.	10.2	58
165	Direct Synthesis of Inverse Hexagonally Ordered Diblock Copolymer/Polyoxometalate Nanocomposite Films. Journal of the American Chemical Society, 2012, 134, 12685-12692.	6.6	54
166	Single Dye Molecule Behavior in Fluorescent Core-Shell Silica Nanoparticles. Chemistry of Materials, 2012, 24, 361-372.	3.2	29
167	A 3D Optical Metamaterial Made by Self-Assembly. Advanced Materials, 2012, 24, OP23-7.	11.1	288
168	Improved conductivity in dye-sensitized solar cells through block-copolymer confined TiO ₂ crystallisation. Energy and Environmental Science, 2011, 4, 225-233.	15.6	88
169	Colloidal Self-Assembly-Directed Laser-Induced Non-Close-Packed Crystalline Silicon Nanostructures. ACS Nano, 2011, 5, 7960-7966.	7.3	15
170	Tuning Structure and Properties of Graded Triblock Terpolymer-Based Mesoporous and Hybrid Films. Nano Letters, 2011, 11, 2892-2900.	4.5	220
171	Tailored Living Block Copolymerization: Multiblock Poly(cyclohexene carbonate)s with Sequence Control. Macromolecules, 2011, 44, 1110-1113.	2.2	105
172	Plasmonic Dye-Sensitized Solar Cells Using Core-Shell Metal-Insulator Nanoparticles. Nano Letters, 2011, 11, 438-445.	4.5	550
173	Highly Aminated Mesoporous Silica Nanoparticles with Cubic Pore Structure. Journal of the American Chemical Society, 2011, 133, 172-175.	6.6	115
174	Block copolymer based composition and morphology control in nanostructured hybrid materials for energy conversion and storage: solar cells, batteries, and fuel cells. Chemical Society Reviews, 2011, 40, 520-535.	18.7	479
175	Direct Access to Mesoporous Crystalline TiO ₂ /Carbon Composites with Large and Uniform Pores for Use as Anode Materials in Lithium Ion Batteries. Macromolecular Chemistry and Physics, 2011, 212, 383-390.	1.1	40
176	Highly Improved Rate Capability for a Lithium-Ion Battery Nano-Li ₄ Ti ₅ O ₁₂ Negative Electrode via Carbon-Coated Mesoporous Uniform Pores with a Simple Self-Assembly Method. Advanced Functional Materials, 2011, 21, 4349-4357.	7.8	263
177	Three-Dimensionally Isotropic Negative Refractive Index Materials from Block Copolymer Self-Assembled Chiral Gyroid Networks. Angewandte Chemie - International Edition, 2011, 50, 11985-11989.	7.2	116
178	Multimodal silica nanoparticles are effective cancer-targeted probes in a model of human melanoma. Journal of Clinical Investigation, 2011, 121, 2768-2780.	3.9	558
179	Block Copolymer Self-Assembly-Directed Single-Crystal Homo- and Heteroepitaxial Nanostructures. Science, 2010, 330, 214-219.	6.0	108
180	Relative Quantum Yield Measurements of Coumarin Encapsulated in Core-Shell Silica Nanoparticles. Journal of Fluorescence, 2010, 20, 67-72.	1.3	39

#	ARTICLE	IF	CITATIONS
181	Control of Solidâ€State Dyeâ€Sensitized Solar Cell Performance by Blockâ€Copolymerâ€Directed TiO ₂ Synthesis. <i>Advanced Functional Materials</i> , 2010, 20, 1787-1796.	7.8	131
182	Block Copolymer Directed Nanoporous Metal Thin Films. <i>Macromolecular Rapid Communications</i> , 2010, 31, 1960-1964.	2.0	21
183	Mesoscopic structure prediction of nanoparticle assembly and coassembly: Theoretical foundation. <i>Journal of Chemical Physics</i> , 2010, 133, 194108.	1.2	26
184	Nanomanufacturing of continuous composite nanofibers with confinement-induced morphologies. <i>Polymer Chemistry</i> , 2010, 1, 1001.	1.9	24
185	Enhanced Photocatalytic Activity of Highly Crystallized and Ordered Mesoporous Titanium Oxide Measured by Silicon Resonators. <i>Analytical Chemistry</i> , 2010, 82, 3032-3037.	3.2	22
186	Monolithic route to efficient dye-sensitized solar cells employing diblock copolymers for mesoporous TiO ₂ . <i>Journal of Materials Chemistry</i> , 2010, 20, 1261-1268.	6.7	40
187	Ordered mesoporous silica nanoparticles with and without embedded iron oxide nanoparticles: structure evolution during synthesis. <i>Journal of Materials Chemistry</i> , 2010, 20, 7807.	6.7	74
188	â€Nothingâ€can be better: Study of porosity in the charge trap layer of Flash memory. , 2009, , .		0
189	Functional Tomographic Fluorescence Imaging of pH Microenvironments in Microbial Biofilms by Use of Silica Nanoparticle Sensors. <i>Applied and Environmental Microbiology</i> , 2009, 75, 7426-7435.	1.4	109
190	Self-assembled ordered mesoporous metals. <i>Pure and Applied Chemistry</i> , 2009, 81, 73-84.	0.9	21
191	Semiconductor Dendriticâ€Linear Block Copolymers by Nitroxide Mediated Radical Polymerization. <i>Macromolecular Rapid Communications</i> , 2009, 30, 1243-1248.	2.0	13
192	Large Stokesâ€Shift Fluorescent Silica Nanoparticles with Enhanced Emission Over Free Dye for Single Excitation Multiplexing. <i>Macromolecular Rapid Communications</i> , 2009, 30, 1907-1910.	2.0	40
193	Macromol. Rapid Commun. 14/2009. <i>Macromolecular Rapid Communications</i> , 2009, 30, .	2.0	0
194	Earthworm inspired locomotive motion from fast swelling hybrid hydrogels. <i>Journal of Polymer Science Part A</i> , 2009, 47, 5027-5033.	2.5	18
195	Demonstration of a spaser-based nanolaser. <i>Nature</i> , 2009, 460, 1110-1112.	13.7	1,925
196	Dye structureâ€optical property correlations in near-infrared fluorescent core-shell silica nanoparticles. <i>Journal of Materials Chemistry</i> , 2009, 19, 6341.	6.7	68
197	Site-Specific Labeling of Surface Proteins on Living Cells Using Genetically Encoded Peptides that Bind Fluorescent Nanoparticle Probes. <i>Bioconjugate Chemistry</i> , 2009, 20, 1482-1489.	1.8	12
198	Metal Nanoparticleâ€Block Copolymer Composite Assembly and Disassembly. <i>Chemistry of Materials</i> , 2009, 21, 5578-5584.	3.2	50

#	ARTICLE	IF	CITATIONS
199	Fluorescent Silica Nanoparticles with Efficient Urinary Excretion for Nanomedicine. <i>Nano Letters</i> , 2009, 9, 442-448.	4.5	441
200	Ordered Three- and Five-ply Nanocomposites from ABC Block Terpolymer Microphase Separation with Niobia and Aluminosilicate Sols. <i>Chemistry of Materials</i> , 2009, 21, 5466-5473.	3.2	64
201	Three-Component Porous Carbon-Titania Nanocomposites through Self-Assembly of ABCBA Block Terpolymers with Titania Sols. <i>Macromolecules</i> , 2009, 42, 6682-6687.	2.2	31
202	Integrating Structure Control over Multiple Length Scales in Porous High Temperature Ceramics with Functional Platinum Nanoparticles. <i>Nano Letters</i> , 2009, 9, 2756-2762.	4.5	63
203	Organization of Nanoparticles in Polymer Brushes. <i>Journal of the American Chemical Society</i> , 2009, 131, 1670-1671.	6.6	76
204	Block copolymer directed synthesis of mesoporous TiO ₂ for dye-sensitized solar cells. <i>Soft Matter</i> , 2009, 5, 134-139.	1.2	108
205	Morphology Diagram of a Diblock Copolymer-Aluminosilicate Nanoparticle System. <i>Chemistry of Materials</i> , 2009, 21, 5397-5405.	3.2	68
206	One-Pot Synthesis of Platinum-Based Nanoparticles Incorporated into Mesoporous Niobium Oxide-Carbon Composites for Fuel Cell Electrodes. <i>Journal of the American Chemical Society</i> , 2009, 131, 9389-9395.	6.6	122
207	Nanostructured carbon-crystalline titania composites from microphase separation of poly(ethylene) Tj ETQq1 1 0.784314 1.0 BT /Ov	2.2	32
208	A Bicontinuous Double Gyroid Hybrid Solar Cell. <i>Nano Letters</i> , 2009, 9, 2807-2812.	4.5	446
209	Controlling Nanoparticle Location via Confined Assembly in Electrospun Block Copolymer Nanofibers. <i>Small</i> , 2008, 4, 2067-2073.	5.2	75
210	Designed Fabrication of Silica-Based Nanostructured Particle Systems for Nanomedicine Applications. <i>Advanced Functional Materials</i> , 2008, 18, 3745-3758.	7.8	382
211	Inside Front Cover: Designed Fabrication of Silica-Based Nanostructured Particle Systems for Nanomedicine Applications (<i>Adv. Funct. Mater.</i> 23/2008). <i>Advanced Functional Materials</i> , 2008, 18, NA-NA.	7.8	1
212	Intracellular delivery of core-shell fluorescent silica nanoparticles. <i>Biomaterials</i> , 2008, 29, 1526-1532.	5.7	178
213	Silica Nanoparticle Architecture Determines Radiative Properties of Encapsulated Fluorophores. <i>Chemistry of Materials</i> , 2008, 20, 2677-2684.	3.2	230
214	Direct access to thermally stable and highly crystalline mesoporous transition-metal oxides with uniform pores. <i>Nature Materials</i> , 2008, 7, 222-228.	13.3	571
215	Synthesis and characterization of magnetically active carbon nanofiber/iron oxide composites with hierarchical pore structures. <i>Nanotechnology</i> , 2008, 19, 455612.	1.3	41
216	Ordered Mesoporous Materials from Metal Nanoparticle-Block Copolymer Self-Assembly. <i>Science</i> , 2008, 320, 1748-1752.	6.0	553

#	ARTICLE	IF	CITATIONS
217	Hexagonally Patterned Lamellar Morphology in ABC Triblock Copolymer/Aluminosilicate Nanocomposites. <i>Chemistry of Materials</i> , 2008, 20, 3278-3287.	3.2	30
218	Highly Crystalline Inverse Opal Transition Metal Oxides via a Combined Assembly of Soft and Hard Chemistries. <i>Journal of the American Chemical Society</i> , 2008, 130, 8882-8883.	6.6	79
219	Morphology Control in Block Copolymer/Polymer Derived Ceramic Precursor Nanocomposites. <i>Macromolecules</i> , 2008, 41, 8745-8752.	2.2	30
220	Self-Assembly of Four-Layer Woodpile Structure from Zigzag ABC Copolymer/Aluminosilicate Concertinas. <i>Macromolecules</i> , 2008, 41, 852-859.	2.2	28
221	Core-shell silica nanoparticles as fluorescent labels for nanomedicine. <i>Journal of Biomedical Optics</i> , 2007, 12, 1.	1.4	109
222	Teaching hydrogels how to move like an earthworm. <i>Soft Matter</i> , 2007, 3, 939.	1.2	33
223	A Re-Evaluation of the Morphology of a Bicontinuous Block Copolymer/Ceramic Material. <i>Macromolecules</i> , 2007, 40, 8974-8982.	2.2	45
224	Nanoparticle-Induced Packing Transition in Mesostructured Block Dendron/Silica Hybrids. <i>Chemistry of Materials</i> , 2007, 19, 3611-3614.	3.2	15
225	Nanoparticle Synthesis via the Photochemical Polythiol Process. <i>Journal of the American Chemical Society</i> , 2007, 129, 10072-10073.	6.6	57
226	Composition and Morphology Control in Ordered Mesostructured High-Temperature Ceramics from Block Copolymer Mesophases. <i>Macromolecular Chemistry and Physics</i> , 2007, 208, 2096-2108.	1.1	22
227	Tuning Mechanical Properties of Block Copolymer/Aluminosilicate Hybrid Materials. <i>Macromolecular Rapid Communications</i> , 2007, 28, 572-578.	2.0	9
228	Influence of crystalline peripheral chain length on the solid-state assemblies of amphiphilic dendrons. <i>Journal of Polymer Science Part A</i> , 2007, 45, 4988-4994.	2.5	15
229	Nanoparticle-tuned assembly and disassembly of mesostructured silica hybrids. <i>Nature Materials</i> , 2007, 6, 156-161.	13.3	186
230	Synthesis, Characterization, and Electrocatalytic Activity of PtBi and PtPb Nanoparticles Prepared by Borohydride Reduction in Methanol. <i>Chemistry of Materials</i> , 2006, 18, 3365-3372.	3.2	174
231	Generalized Route to Metal Nanoparticles with Liquid Behavior. <i>Journal of the American Chemical Society</i> , 2006, 128, 12074-12075.	6.6	141
232	Core/Shell Fluorescent Silica Nanoparticles for Chemical Sensing: Towards Single-Particle Laboratories. <i>Small</i> , 2006, 2, 723-726.	5.2	273
233	Fluorescent core-shell silica nanoparticles: towards Lab on a Particle architectures for nanobiotechnology. <i>Chemical Society Reviews</i> , 2006, 35, 1028-1042.	18.7	817
234	Characterization of Medium-range Order in Self-Assembled Organic-inorganic Hybrid by Fluctuation X-ray Microscopy. <i>Materials Research Society Symposia Proceedings</i> , 2006, 960, 1.	0.1	0

#	ARTICLE	IF	CITATIONS
235	Direct Access to Bicontinuous Skeletal Inorganic Plumber's Nightmare Networks from Block Copolymers. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 1226-1229.	7.2	60
236	Directed Motion and Cargo Transport Through Propagation of Polymer-Gel Volume Phase Transitions. <i>Advanced Materials</i> , 2005, 17, 1869-1873.	11.1	69
237	Bright and Stable Core-Shell Fluorescent Silica Nanoparticles. <i>Nano Letters</i> , 2005, 5, 113-117.	4.5	872
238	Flow-Induced Alignment of Block Copolymer-Sol Nanoparticle Coassemblies toward Oriented Bulk Polymer-Silica Hybrids. <i>Macromolecules</i> , 2005, 38, 10095-10100.	2.2	22
239	Silica-Type Mesoporous Structures from Block Copolymer Phases: Formation Mechanism and Generalization to the Dense Nanoparticle Regime. <i>Macromolecules</i> , 2004, 37, 5665-5670.	2.2	56
240	Additive-Driven Phase-Selective Chemistry in Block Copolymer Thin Films: The Convergence of Top-Down and Bottom-Up Approaches. <i>Advanced Materials</i> , 2004, 16, 953-957.	11.1	97
241	Nanostructure and Shape Control in Polymer-Ceramic Hybrids from Poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 507 Td Chemistry and Physics, 2004, 205, 1021-1030.	1.1	27
242	Synthesis of Amphiphilic ABC Triblock Copolymers with PEO as the Middle Block. <i>Macromolecular Rapid Communications</i> , 2004, 25, 1889-1894.	2.0	27
243	Controlled degradation of epoxy networks: analysis of crosslink density and glass transition temperature changes in thermally reworkable thermosets. <i>Polymer</i> , 2004, 45, 1939-1950.	1.8	106
244	Mesophase Structure-Mechanical and Ionic Transport Correlations in Extended Amphiphilic Dendrons. <i>Science</i> , 2004, 305, 1598-1601.	6.0	384
245	Nanohybrids from Liquid Crystalline Extended Amphiphilic Dendrimers. <i>Journal of the American Chemical Society</i> , 2004, 126, 4070-4071.	6.6	61
246	Synthesis and Self-Assembly of Amphiphilic Dendrimers Based on Aliphatic Polyether-Type Dendritic Cores. <i>Macromolecules</i> , 2004, 37, 4227-4234.	2.2	51
247	Ordered Mesoporous Ceramics Stable up to 1500 °C from Diblock Copolymer Mesophases. <i>Journal of the American Chemical Society</i> , 2004, 126, 14708-14709.	6.6	89
248	Synthesis and Characterization of Amphiphilic Poly(ethylene oxide)-block-poly(hexyl methacrylate) Copolymers. <i>Macromolecular Chemistry and Physics</i> , 2003, 204, 1047-1055.	1.1	42
249	Synthesis and characterization of block copolymer/ceramic precursor nanocomposites based on a polysilazane. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2003, 41, 3346-3350.	2.4	25
250	Poly(styrene-block-isoprene) nanocomposites: Kinetics of intercalation and effects of copolymer on intercalation behaviors. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2003, 41, 3264-3271.	2.4	15
251	Self-Assembly Approach toward Magnetic Silica-Type Nanoparticles of Different Shapes from Reverse Block Copolymer Mesophases. <i>Journal of the American Chemical Society</i> , 2003, 125, 13310-13311.	6.6	55
252	Energy Transfer Study of the Interface Thickness in Symmetrical Isoprene-Methyl Methacrylate Diblock Copolymers. <i>Macromolecules</i> , 2003, 36, 4485-4491.	2.2	19

#	ARTICLE	IF	CITATIONS
253	Bulk Microphase Segregation of an Asymmetric Organometallic-Inorganic Diblock Copolymer: A Remarkable Example of Concentric Cylinders. <i>Journal of the American Chemical Society</i> , 2003, 125, 6010-6011.	6.6	21
254	The Plumber's Nightmare: A New Morphology in Block Copolymer-Ceramic Nanocomposites and Mesoporous Aluminosilicates. <i>Journal of the American Chemical Society</i> , 2003, 125, 13084-13093.	6.6	122
255	Electron spin relaxation due to small-angle motion: Theory for the canonical orientations and application to hierarchic cage dynamics in ionomers. <i>Journal of Chemical Physics</i> , 2003, 119, 11829-11846.	1.2	37
256	Liquid Crystalline Rod-Coil Block Copolymers by Stable Free Radical Polymerization: Synthesis, Morphology, and Rheology. <i>Macromolecules</i> , 2003, 36, 3357-3364.	2.2	74
257	Microphase Reorientation in Block Copolymer Melts As Detected via FT Rheology and 2D SAXS. <i>Macromolecules</i> , 2002, 35, 3198-3204.	2.2	41
258	Effect of Filler Dimensionality on the Order-Disorder Transition of a Model Block Copolymer Nanocomposite. <i>Macromolecules</i> , 2002, 35, 4862-4865.	2.2	34
259	Solid Hybrid Polymer Electrolyte Networks: Nano-Structurable Materials for Lithium Batteries. <i>Advanced Materials</i> , 2002, 14, 1134.	11.1	44
260	Study of the interlayer expansion mechanism and thermal-mechanical properties of surface-initiated epoxy nanocomposites. <i>Polymer</i> , 2002, 43, 4895-4904.	1.8	188
261	Characterization of Ionic Clusters in Different Ionically Functionalized Diblock Copolymers by CW EPR and Four-Pulse Double Electron-Electron Resonance. <i>Macromolecules</i> , 2001, 34, 5555-5560.	2.2	30
262	Poly(ethylene oxide-b-isoprene) Diblock Copolymer Phase Diagram. <i>Macromolecules</i> , 2001, 34, 2947-2957.	2.2	144
263	Block Copolymer-Ceramic Hybrid Materials from Organically Modified Ceramic Precursors. <i>Chemistry of Materials</i> , 2001, 13, 3464-3486.	3.2	257
264	Metal Oxide Containing Mesoporous Silica with Bicontinuous "Plumber's Nightmare" Morphology from a Block Copolymer-Hybrid Mesophase. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 1207-1211.	7.2	93
265	Nucleation and growth in order-to-order transitions of a block copolymer. <i>Europhysics Letters</i> , 2000, 50, 182-188.	0.7	39
266	A novel approach to polymer-template mesoporous molecular sieves. <i>Studies in Surface Science and Catalysis</i> , 2000, 129, 1-6.	1.5	13
267	Micellization of Model Macromolecular Surfactants as Studied by Static Light Scattering. <i>Journal of Physical Chemistry B</i> , 2000, 104, 5049-5052.	1.2	14
268	Determination of Ion Cluster Sizes and Cluster-to-Cluster Distances in Ionomers by Four-Pulse Double Electron Electron Resonance Spectroscopy. <i>Macromolecules</i> , 2000, 33, 7812-7818.	2.2	56
269	Energy Filtering Transmission Electron Microscopy of Polymers and Hybrid Materials. <i>Microscopy and Microanalysis</i> , 1999, 5, 628-629.	0.2	0
270	Microphase separation in poly(isoprene-b-ethylene oxide) diblock copolymer melts. I. Phase state and kinetics of the order-to-order transitions. <i>Journal of Chemical Physics</i> , 1999, 110, 652-663.	1.2	109

#	ARTICLE	IF	CITATIONS
271	Double flip of orientation for a lamellar diblock copolymer under shear. <i>Journal of Chemical Physics</i> , 1999, 110, 8225-8228.	1.2	60
272	Nano-objects with Controlled Shape, Size, and Composition from Block Copolymer Mesophases. <i>Advanced Materials</i> , 1999, 11, 141-146.	11.1	113
273	The Synthesis of Spherical Mesoporous Molecular Sieves MCM-48 with Heteroatoms Incorporated into the Silica Framework. <i>Advanced Materials</i> , 1999, 11, 1194-1198.	11.1	66
274	Structure, Mobility, and Interface Characterization of Self-Organized Organic-Inorganic Hybrid Materials by Solid-State NMR. <i>Journal of the American Chemical Society</i> , 1999, 121, 5727-5736.	6.6	156
275	Salt-Induced Switching of Microdomain Morphology of Ionically Functionalized Diblock Copolymers. <i>Macromolecules</i> , 1999, 32, 2806-2809.	2.2	33
276	Orientation Flip of Lamellar Polystyrene-Polyisoprene Diblock Copolymers under Extrusion. <i>Macromolecules</i> , 1999, 32, 1315-1317.	2.2	30
277	Probe diffusion in homogeneous diblock copolymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1998, 36, 1739-1746.	2.4	5
278	Rheology of lamellar polystyrene-block-polyisoprene diblock copolymers. <i>Macromolecular Chemistry and Physics</i> , 1998, 199, 1771-1784.	1.1	35
279	Self-Assembly of Ionically End-Capped Diblock Copolymers. <i>Macromolecules</i> , 1998, 31, 4828-4837.	2.2	30
280	Investigation of Mechanical Deformation in Rigid Polymers by 2D Solid-State NMR Imaging. <i>Macromolecules</i> , 1998, 31, 8585-8589.	2.2	5
281	Ionic and Zwitterionic Model Macromolecular Surfactants. <i>Journal of Physical Chemistry B</i> , 1998, 102, 7316-7318.	1.2	10
282	Electrostatics in the self-assembly of macromolecular surfactants. <i>Europhysics Letters</i> , 1997, 40, 521-526.	0.7	12
283	Symmetric diblock copolymers under large amplitude oscillatory shear flow: Dual frequency experiments. <i>Journal of Chemical Physics</i> , 1997, 106, 2961-2969.	1.2	25
284	Salt-Controlled Lamellar Spacing in Ionically End-Capped Symmetric Diblock Copolymers. <i>Macromolecules</i> , 1997, 30, 6698-6701.	2.2	26
285	EPR Studies on Telechelic Polymers: Characterization of Ion Multiplets. <i>Macromolecules</i> , 1997, 30, 3832-3838.	2.2	33
286	Threshold Strain Value for Perpendicular Orientation in Dynamically Sheared Diblock Copolymers. <i>Macromolecules</i> , 1997, 30, 660-662.	2.2	63
287	Organically Modified Aluminosilicate Mesostructures from Block Copolymer Phases. <i>Science</i> , 1997, 278, 1795-1798.	6.0	641
288	Multinuclear solid-state-NMR studies of hybrid organic-inorganic materials. <i>Advanced Materials</i> , 1997, 9, 814-817.	11.1	155

#	ARTICLE	IF	CITATIONS
289	Lamellar diblock copolymers under large amplitude oscillatory shear flow: Order and dynamics. <i>Macromolecular Chemistry and Physics</i> , 1997, 198, 3319-3352.	1.1	124
290	Synthesis and Characterization of $\hat{I}\pm, \hat{I}\%$ -Macrozwitterionic Block Copolymers of Styrene and Isoprene. <i>Macromolecules</i> , 1996, 29, 4865-4870.	2.2	43
291	Annealing Effects on Orientation in Dynamically Sheared Diblock Copolymers. <i>Macromolecules</i> , 1996, 29, 5427-5431.	2.2	45
292	Molecular dynamics in polystyrene from electron spin resonance (ESR) measurements: comparison between spinprobes and -labels attached to the chain ends. <i>Macromolecular Chemistry and Physics</i> , 1996, 197, 1121-1134.	1.1	3
293	Structure and dynamics of polyelectrolyte-surfactant complexes as revealed by solid state NMR. <i>Macromolecular Chemistry and Physics</i> , 1996, 197, 2713-2727.	1.1	40
294	Visualization of immobilization in shear bands by NMR imaging. <i>Advanced Materials</i> , 1996, 8, 481-484.	11.1	11
295	Title is missing!. <i>Acta Polymerica</i> , 1996, 47, 429-435.	1.4	5
296	Characterization of the motion of spin probes and spin labels in amorphous polymers with two-dimensional field-step ELDOR. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1996, 34, 1093-1104.	2.4	32
297	Symmetric diblock copolymers under large amplitude oscillatory shear flow: Entanglement effect. <i>Journal of Chemical Physics</i> , 1995, 103, 4784-4793.	1.2	86
298	Frequency Dependence of Orientation in Dynamically Sheared Diblock Copolymers. <i>Macromolecules</i> , 1995, 28, 778-781.	2.2	94
299	Diffusion of Tracer Molecules within Symmetric Diblock Copolymers. <i>Macromolecules</i> , 1995, 28, 8287-8294.	2.2	23
300	Morphology and Local Dynamics in a Series of Aromatic Terpolyesters. <i>Macromolecules</i> , 1994, 27, 3632-3641.	2.2	5
301	An infrared spectroscopic study of photo-induced reorientation in dye containing liquid-crystalline polymers. <i>Liquid Crystals</i> , 1992, 11, 251-267.	0.9	111
302	Title is missing!. <i>Die Makromolekulare Chemie Rapid Communications</i> , 1991, 12, 457-464.	1.1	98
303	Solid-state ¹³ C-NMR on oriented films of liquid-crystalline polymers. <i>Advanced Materials</i> , 1990, 2, 484-487.	11.1	14