

Stefan Färster

List of Publications by Year in descending order

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210
papers

16,597
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17429

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16391
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#	ARTICLE	IF	CITATIONS
1	Bistability, Remanence, Read/Write-Memory, and Logic Gate Function via a Stimuli-Responsive Polymer. <i>Advanced Materials</i> , 2022, 34, e2108833.	11.1	14
2	Influence of molecular weight on the distribution of segmental relaxation in polymer grafted nanoparticles. <i>Physical Review Materials</i> , 2022, 6, .	0.9	8
3	Controlled LCST Behavior and Structure Formation of Alternating Amphiphilic Copolymers in Water. <i>Macromolecules</i> , 2022, 55, 1552-1565.	2.2	13
4	Mechanism of Behavior of Two-Way Shape Memory Polymer under Constant Strain Conditions. <i>Macromolecules</i> , 2022, 55, 1680-1689.	2.2	10
5	Reduction Rate as a Quantitative Identification Toward Growth Pathway and Size Control in Low-Polydisperse Colloidal Metal Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2022, 126, 6619-6627.	1.5	0
6	Quasielastic neutron scattering reveals the temperature dependent rotational dynamics of densely grafted oleic acid. <i>Journal of Chemical Physics</i> , 2022, 156, 164908.	1.2	0
7	Insights into Growth Kinetics of Colloidal Gold Nanoparticles: In Situ SAXS and UV-Vis Evaluation. <i>Journal of Physical Chemistry C</i> , 2021, 125, 1087-1095.	1.5	23
8	Technical Specification of the Small-Angle Neutron Scattering Instrument SKADI at the European Spallation Source. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3620.	1.3	8
9	An Inverse Thermogelling Bioink Based on an ABA-Type Poly(2-oxazoline) Amphiphile. <i>Biomacromolecules</i> , 2021, 22, 3017-3027.	2.6	16
10	3D-Positioning of Nanoparticles in High-Curvature Block Copolymer Domains. <i>Angewandte Chemie</i> , 2021, 133, 17680-17687.	1.6	0
11	3D-Positioning of Nanoparticles in High-Curvature Block Copolymer Domains. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 17539-17546.	7.2	3
12	Growth of Gold Nanorods: A SAXS Study. <i>Journal of Physical Chemistry C</i> , 2021, 125, 19947-19960.	1.5	13
13	ABA Type Amphiphiles with Poly(2-benzhydryl-2-oxazine) Moieties: Synthesis, Characterization and Inverse Thermogelation. <i>Macromolecular Chemistry and Physics</i> , 2021, 222, 2100114.	1.1	2
14	Distribution and orientation of nerve fibers and myelin assembly in a brain section retrieved by small-angle neutron scattering. <i>Scientific Reports</i> , 2021, 11, 17306.	1.6	6
15	Nanoparticle Heat-Up Synthesis: In Situ X-ray Diffraction and Extension from Classical to Nonclassical Nucleation and Growth Theory. <i>ACS Nano</i> , 2021, 15, 840-856.	7.3	14
16	Colloidally stable, magnetoresponse liquid crystals based on clay nanosheets. <i>Journal of Materials Chemistry C</i> , 2021, 9, 12732-12740.	2.7	5
17	Controlling Polymer Microfiber Structure by Micro Solution Blow Spinning. <i>Macromolecular Chemistry and Physics</i> , 2020, 221, 1900453.	1.1	10
18	Long-Term Colloidally Stable Aqueous Dispersions of 5-nm Spinel Ferrite Nanoparticles. <i>ChemistryOpen</i> , 2020, 9, 1214-1220.	0.9	3

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19	Influence of Ester-Type Plasticizers on the Determination of Biodiesel Contaminations in Aviation Turbine Fuels According to ASTM D7797. <i>Energy & Fuels</i> , 2020, 34, 5095-5098.	2.5	1
20	Think Beyond the Core: Impact of the Hydrophilic Corona on Drug Solubilization Using Polymer Micelles. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 24531-24543.	4.0	49
21	Vesicular Polymer Hexosomes Exhibit Topological Defects. <i>Journal of the American Chemical Society</i> , 2020, 142, 10989-10995.	6.6	24
22	Inverse Thermogelation of Aqueous Triblock Copolymer Solutions into Macroporous Shear-Thinning 3D Printable Inks. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 12445-12456.	4.0	28
23	Nucleation and Growth Kinetics of ZnO Nanoparticles Studied by in Situ Microfluidic SAXS/WAXS/UV-Vis Experiments. <i>Langmuir</i> , 2019, 35, 11702-11709.	1.6	35
24	Two Growth Mechanisms of Thiol-Capped Gold Nanoparticles Controlled by Ligand Chemistry. <i>Langmuir</i> , 2019, 35, 12130-12138.	1.6	24
25	Controlled Assembly of Block Copolymer Coated Nanoparticles in 2D Arrays. <i>Angewandte Chemie</i> , 2019, 131, 8629-8633.	1.6	3
26	Controlled Assembly of Block Copolymer Coated Nanoparticles in 2D Arrays. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8541-8545.	7.2	16
27	Silver Particles with Rhombicuboctahedral Shape and Effective Isotropic Interactions with Light. <i>Chemistry of Materials</i> , 2019, 31, 2822-2827.	3.2	9
28	Emerging Attractor in Wavy Poiseuille Flows Triggers Sorting of Biological Cells. <i>Physical Review Letters</i> , 2019, 122, 128002.	2.9	14
29	Creating a synthetic platform for the encapsulation of nanocrystals with covalently bound polymer shells. <i>Nanoscale</i> , 2019, 11, 3847-3854.	2.8	12
30	High strength in combination with high toughness in robust and sustainable polymeric materials. <i>Science</i> , 2019, 366, 1376-1379.	6.0	162
31	In Situ Characterization of Protein Corona Formation on Silica Microparticles Using Confocal Laser Scanning Microscopy Combined with Microfluidics. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 2459-2469.	4.0	51
32	Millisecond CdS nanocrystal nucleation and growth studied by microfluidics with in situ spectroscopy. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 562, 263-269.	2.3	12
33	Ordered Particle Arrays via a Langmuir Transfer Process: Access to Any Two-Dimensional Bravais Lattice. <i>Langmuir</i> , 2019, 35, 973-979.	1.6	20
34	Seeded Growth Synthesis of Gold Nanotriangles: Size Control, SAXS Analysis, and SERS Performance. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 11152-11163.	4.0	133
35	Microfluidic Examination of the "Hard" Biomolecular Corona Formed on Engineered Particles in Different Biological Milieu. <i>Biomacromolecules</i> , 2018, 19, 2580-2594.	2.6	31
36	Viscoelastic properties and reinforcement of non-aggregated and aggregated nanocomposites. <i>Polymer</i> , 2018, 145, 101-107.	1.8	4

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37	Hydrogelation Kinetics Measured in a Microfluidic Device with in Situ X-ray and Fluorescence Detection. <i>Langmuir</i> , 2018, 34, 5535-5544.	1.6	16
38	Parallel and Perpendicular Alignment of Anisotropic Particles in Free Liquid Microjets and Emerging Microdroplets. <i>Langmuir</i> , 2018, 34, 4843-4851.	1.6	15
39	Splitting and separation of colloidal streams in sinusoidal microchannels. <i>Lab on A Chip</i> , 2018, 18, 3163-3171.	3.1	8
40	Strategies for the selective loading of patchy worm-like micelles with functional nanoparticles. <i>Nanoscale</i> , 2018, 10, 18257-18268.	2.8	26
41	Dynamics in the Plastic Crystalline Phases of Cyclohexanol and Cyclooctanol Studied by Quasielastic Neutron Scattering. <i>Journal of Physical Chemistry B</i> , 2018, 122, 6296-6304.	1.2	1
42	Onset of Osmotic Swelling in Highly Charged Clay Minerals. <i>Langmuir</i> , 2018, 34, 8215-8222.	1.6	41
43	Self-Assembly of Magnetic Iron Oxide Nanoparticles Into Cuboidal Superstructures. , 2018, , 165-189.		6
44	Microfluidic nozzle device for ultrafine fiber solution blow spinning with precise diameter control. <i>Lab on A Chip</i> , 2018, 18, 2225-2234.	3.1	28
45	In-Depth Interpretation of Mid-Infrared Spectra of Various Synthetic Fuels for the Chemometric Prediction of Aviation Fuel Blend Properties. <i>Energy & Fuels</i> , 2017, 31, 2934-2943.	2.5	22
46	Two-Step Delamination of Highly Charged, Vermiculite-like Layered Silicates via Ordered Heterostructures. <i>Langmuir</i> , 2017, 33, 4816-4822.	1.6	19
47	Nanorattles with tailored electric field enhancement. <i>Nanoscale</i> , 2017, 9, 9376-9385.	2.8	76
48	Two-Dimensional Self-Assembled Structures of Highly Ordered Bioactive Crystalline-Based Block Copolymers. <i>Macromolecules</i> , 2017, 50, 8544-8553.	2.2	66
49	Synthesis of [Fe(L _{eq})(L _{ax})] _n coordination polymer nanoparticles using blockcopolymer micelles. <i>Beilstein Journal of Nanotechnology</i> , 2017, 8, 1318-1327.	1.5	14
50	Supramolecular Nanocomposites: Dual-Functional Cholesteric Hydroxypropyl Cellulose Esters Chemically Linked to Gold Nanoparticles. <i>ChemNanoMat</i> , 2016, 2, 290-296.	1.5	3
51	Controlled Exfoliation of Layered Silicate Heterostructures into Bilayers and Their Conversion into Giant Janus Platelets. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 7398-7402.	7.2	27
52	Reinforcement of nanostructured organogels by hydrogen bonds. <i>RSC Advances</i> , 2016, 6, 42730-42738.	1.7	8
53	Monodisperse hollow silica spheres: An in-depth scattering analysis. <i>Nano Research</i> , 2016, 9, 1366-1376.	5.8	22
54	Composite Hydrogels with Tunable Anisotropic Morphologies and Mechanical Properties. <i>Chemistry of Materials</i> , 2016, 28, 3406-3415.	3.2	206

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55	Self-assembly of block copolymers via micellar intermediate states into vesicles on time scales from milliseconds to days. <i>Polymer</i> , 2016, 107, 434-444.	1.8	16
56	Interfacial stabilization by soft Janus nanoparticles. <i>Polymer</i> , 2016, 106, 208-217.	1.8	24
57	In-Depth Insights into the Key Steps of Delamination of Charged 2D Nanomaterials. <i>Langmuir</i> , 2016, 32, 10582-10588.	1.6	73
58	Microfluidics-Produced Collagen Fibers Show Extraordinary Mechanical Properties. <i>Nano Letters</i> , 2016, 16, 5917-5922.	4.5	100
59	Molecular dynamics study of colloidal quasicrystals. <i>Soft Matter</i> , 2016, 12, 7644-7654.	1.2	27
60	Polymeric Flaky Nanostructures from Cellulose Stearoyl Esters for Functional Surfaces. <i>Advanced Materials Interfaces</i> , 2016, 3, 1600636.	1.9	6
61	Synthesis of [Fe(L)(bipy)] _n spin crossover nanoparticles using blockcopolymer micelles. <i>Nanoscale</i> , 2016, 8, 19058-19065.	2.8	30
62	Controlled Exfoliation of Layered Silicate Heterostructures into Bilayers and Their Conversion into Giant Janus Platelets. <i>Angewandte Chemie</i> , 2016, 128, 7524-7528.	1.6	8
63	Protein-Assisted Assembly of Modular 3D Plasmonic Raspberry-like Core/Satellite Nanoclusters: Correlation of Structure and Optical Properties. <i>ACS Nano</i> , 2016, 10, 5740-5750.	7.3	128
64	Hybrid Microgels with Confined Needle-like Lanthanide Phosphate Nanocrystals. <i>Chemistry of Materials</i> , 2016, 28, 501-510.	3.2	7
65	Polymer Cages as Universal Tools for the Precise Bottom-Up Synthesis of Metal Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 14539-14544.	7.2	12
66	Investigations on calcium carboxylate and sulfonate additive incompatibilities in a preservation oil. <i>Lubrication Science</i> , 2015, 27, 71-81.	0.9	0
67	SAXS Analysis of Shell Formation During Nanocapsule Synthesis via Inverse Miniemulsion Periphery RAFT Polymerization. <i>Macromolecular Rapid Communications</i> , 2015, 36, 1267-1271.	2.0	9
68	Self-assembly of smallest magnetic particles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 14484-14489.	3.3	85
69	Noncovalent Grafting of Carbon Nanotubes with Triblock Terpolymers: Toward Patchy 1D Hybrids. <i>Macromolecules</i> , 2015, 48, 1767-1776.	2.2	20
70	Evaporation-Induced Block Copolymer Self-Assembly into Membranes Studied by <i>in Situ</i> Synchrotron SAXS. <i>Macromolecules</i> , 2015, 48, 1524-1530.	2.2	47
71	Polymeric Flower-Like Microparticles from Self-Assembled Cellulose Stearoyl Esters. <i>ACS Macro Letters</i> , 2015, 4, 214-219.	2.3	24
72	Plasmonic gold-poly(N-isopropylacrylamide) core-shell colloids with homogeneous density profiles: a small angle scattering study. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 1354-1367.	1.3	45

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73	Encapsulation of Functional Organic Compounds in Nanoglass for Optically Anisotropic Coatings. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 4963-4967.	7.2	20
74	A General Route to Optically Transparent Highly Filled Polymer Nanocomposites. <i>Macromolecules</i> , 2015, 48, 5323-5327.	2.2	37
75	Reversible gold nanorod alignment in mechano-responsive elastomers. <i>Polymer</i> , 2015, 66, 167-172.	1.8	17
76	In Situ Formation of a MoS ₂ -Based Inorganic-Organic Nanocomposite by Directed Thermal Decomposition. <i>Chemistry - A European Journal</i> , 2015, 21, 8918-8925.	1.7	7
77	Simultaneous SAXS/WAXS/UV-Vis Study of the Nucleation and Growth of Nanoparticles: A Test of Classical Nucleation Theory. <i>Langmuir</i> , 2015, 31, 11678-11691.	1.6	83
78	Direct visual evidence of end-on adsorption geometry of pyridine on silver surface investigated by surface enhanced Raman scattering and density functional theory calculations. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 151, 888-894.	2.0	3
79	Towards completely miscible PMMA nanocomposites reinforced by shear-stiff, nano-mica. <i>Journal of Colloid and Interface Science</i> , 2014, 425, 143-151.	5.0	16
80	Hydrogels from phospholipid vesicles. <i>Advances in Colloid and Interface Science</i> , 2014, 208, 252-263.	7.0	10
81	¹ H relaxation enhancement induced by nanoparticles in solutions: Influence of magnetic properties and diffusion. <i>Journal of Chemical Physics</i> , 2014, 140, 174504.	1.2	19
82	Facile large-scale synthetic route to monodisperse ZnO nanocrystals. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 444, 76-80.	2.3	13
83	Defect accommodation in nanostructured soft crystals. <i>Nanoscale</i> , 2014, 6, 1635-1645.	2.8	2
84	Fast Diffusion-Limited Lyotropic Phase Transitions Studied in Situ Using Continuous Flow Microfluidics/Microfocus-SAXS. <i>Langmuir</i> , 2014, 30, 12494-12502.	1.6	42
85	Nanoporous Sheets and Cylinders via Bulk Templating of Triblock Terpolymer/Homopolymer Blends. <i>Macromolecules</i> , 2014, 47, 6289-6301.	2.2	18
86	[FeFe]-Hydrogenase models assembled into vesicular structures. <i>Journal of Liposome Research</i> , 2014, 24, 59-68.	1.5	14
87	Plasmonic Library Based on Substrate-Supported Gradiential Plasmonic Arrays. <i>ACS Nano</i> , 2014, 8, 9410-9421.	7.3	84
88	Synthesis of pH-Responsive Nanocapsules via Inverse Miniemulsion Periphery RAFT Polymerization and Post-Polymerization Reaction. <i>ACS Macro Letters</i> , 2014, 3, 935-939.	2.3	37
89	Topological Paths and Transient Morphologies during Formation of Mesoporous Block Copolymer Membranes. <i>Macromolecules</i> , 2014, 47, 5566-5577.	2.2	52
90	Microfluidic liquid jet system with compatibility for atmospheric and high-vacuum conditions. <i>Lab on a Chip</i> , 2014, 14, 1733-1745.	3.1	66

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91	Polymer Ligand Exchange to Control Stabilization and Compatibilization of Nanocrystals. ACS Nano, 2014, 8, 6114-6122.	7.3	76
92	A customizable software for fast reduction and analysis of large X-ray scattering data sets: applications of the new <i>DPDAK</i> package to small-angle X-ray scattering and grazing-incidence small-angle X-ray scattering. Journal of Applied Crystallography, 2014, 47, 1797-1803.	1.9	244
93	Noncanonical control of <i>C. elegans</i> germline apoptosis by the insulin/IGF-1 and Ras/MAPK signaling pathways. Cell Death and Differentiation, 2013, 20, 97-107.	5.0	43
94	Shear-induced macroscopic "Siamese" twins in soft colloidal crystals. Soft Matter, 2013, 9, 8464.	1.2	7
95	Molecular Spoked Wheels: Synthesis and Self-Assembly Studies on Rigid Nanoscale 2D Objects. Chemistry - A European Journal, 2013, 19, 4480-4495.	1.7	21
96	Towards mesoporous Keggin-type polyoxometalates " systematic study on organic template removal. Journal of Materials Chemistry A, 2013, 1, 6238.	5.2	12
97	Anisotropic particles align perpendicular to the flow direction in narrow microchannels. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 6706-6711.	3.3	145
98	SiCN Nanofibers with a Diameter Below 100 nm Synthesized via Concerted Block Copolymer Formation, Microphase Separation, and Crosslinking. Small, 2013, 9, 984-989.	5.2	16
99	Lyotropic phase behavior of polymer-coated iron oxide nanoparticles. Soft Matter, 2012, 8, 12124.	1.2	14
100	Tailored Nanostructuring of End-Group-Functionalized High-Density Polyethylene Synthesized by an Efficient Catalytic Version of Ziegler's "Aufbaureaktion". Chemistry - A European Journal, 2012, 18, 13974-13978.	1.7	32
101	Completely Miscible Polyethylene Nanocomposites. Journal of the American Chemical Society, 2012, 134, 18157-18160.	6.6	60
102	Tailor-Made Quantum Dot and Iron Oxide Based Contrast Agents for <i>in Vitro</i> and <i>in Vivo</i> Tumor Imaging. ACS Nano, 2012, 6, 3346-3355.	7.3	100
103	Direct Synthesis of Inverse Hexagonally Ordered Diblock Copolymer/Polyoxometalate Nanocomposite Films. Journal of the American Chemical Society, 2012, 134, 12685-12692.	6.6	54
104	Colloidal quasicrystals with 12-fold and 18-fold diffraction symmetry. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 1810-1814.	3.3	226
105	Synthesis and properties of a triphenylene-butadiynylene macrocycle. Journal of Materials Chemistry, 2011, 21, 1404-1415.	6.7	16
106	Early development drug formulation on a chip: Fabrication of nanoparticles using a microfluidic spray dryer. Lab on A Chip, 2011, 11, 2362.	3.1	42
107	Surface-induced breakout crystallization in cylinder-forming P(I-b-EO) diblock copolymer thin films. European Physical Journal E, 2011, 34, 7.	0.7	9
108	Polymersomes Containing Iron Sulfide (FeS) as Primordial Cell Model. Origins of Life and Evolution of Biospheres, 2011, 41, 103-119.	0.8	14

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109	Calculation of scattering-patterns of ordered nano- and mesoscale materials. <i>Advances in Colloid and Interface Science</i> , 2011, 163, 53-83.	7.0	63
110	Completely Miscible Nanocomposites. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 7811-7814.	7.2	69
111	Routes to Nanoparticle-Polymer Superlattices. <i>Polymers</i> , 2011, 3, 662-673.	2.0	32
112	<i>Scatter</i>: software for the analysis of nano- and mesoscale small-angle scattering. <i>Journal of Applied Crystallography</i> , 2010, 43, 639-646.	1.9	188
113	Fabrication of Polymersomes using Double-Emulsion Templates in Glass-Coated Stamped Microfluidic Devices. <i>Small</i> , 2010, 6, 1723-1727.	5.2	91
114	Atomic-Force and Optical Microscopy Investigations on Thin-Film Morphology of Spherulites in Melt-Crystallized Poly(ethylene adipate). <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 12084-12092.	1.8	41
115	Preparation of Monodisperse Block Copolymer Vesicles via Flow Focusing in Microfluidics. <i>Langmuir</i> , 2010, 26, 6860-6863.	1.6	75
116	Covalent Attachment of Polymersomes to Surfaces. <i>Langmuir</i> , 2010, 26, 6927-6931.	1.6	25
117	Micelle and Vesicle Formation of Amphiphilic Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 2752-2754.	7.2	173
118	In Situ Synthesis and Alignment of Au Nanoparticles within Hexagonally Packed Cylindrical Domains of Diblock Copolymers in Bulk. <i>Langmuir</i> , 2009, 25, 9571-9578.	1.6	28
119	Preparation of Monodisperse Block Copolymer Vesicles via a Thermotropic Cylinder-Vesicle Transition. <i>Langmuir</i> , 2009, 25, 1337-1344.	1.6	65
120	Atomic Force Microscopy Characterization and Interpretation of Thin-Film Poly(butylene adipate) Spherulites with Ring Bands. <i>Macromolecular Rapid Communications</i> , 2008, 29, 1322-1328.	2.0	36
121	Sub-20 nm Magnetic Dots with Perpendicular Magnetic Anisotropy. <i>Advanced Functional Materials</i> , 2008, 18, 76-81.	7.8	12
122	Enzyme-linked immunosorbent assays for the sensitive analysis of 2,4-dinitroaniline and 2,6-dinitroaniline in water and soil. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 1821-1835.	1.9	2
123	Characteristics of Picoliter Droplet Dried Residues as Standards for Direct Analysis Techniques. <i>Analytical Chemistry</i> , 2008, 80, 1967-1977.	3.2	45
124	Direct Observation of Confined Acoustic Phonons in the Photoluminescence Spectra of a Single CdSe-CdS-ZnS Core-Shell-Shell Nanocrystal. <i>Physical Review Letters</i> , 2008, 100, 057403.	2.9	52
125	Nanoparticle-Loaded Magnetophoretic Vesicles. <i>Journal of the American Chemical Society</i> , 2008, 130, 7315-7320.	6.6	108
126	Bundle Formation in Polyelectrolyte Brushes. <i>Physical Review Letters</i> , 2008, 101, 258303.	2.9	13

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127	In situ investigation of the liquid/solid interface of a block copolymer solution under shear stress using microbeam grazing-incidence small-angle x-ray scattering. Applied Physics Letters, 2007, 91, 213102.	1.5	3
128	Shallow HEMTs For Lateral Magnetic Superlattices. AIP Conference Proceedings, 2007, , .	0.3	0
129	Water permeation through block-copolymer vesicle membranes. Chemical Physics Letters, 2007, 444, 268-272.	1.2	26
130	Molecular Exchange through Membranes of Poly(2-vinylpyridine-block-ethylene oxide) Vesicles. Small, 2007, 3, 1074-1083.	5.2	30
131	Order causes secondary Bragg peaks in soft materials. Nature Materials, 2007, 6, 888-893.	13.3	74
132	Magnetic antidot arrays using filled diblock copolymer micelles as ion etching mask. Journal of Magnetism and Magnetic Materials, 2007, 316, e40-e43.	1.0	5
133	Size and Surface Effects on the MRI Relaxivity of Manganese Ferrite Nanoparticle Contrast Agents. Nano Letters, 2007, 7, 2422-2427.	4.5	401
134	How can immunochemical methods contribute to the implementation of the Water Framework Directive?. Analytical and Bioanalytical Chemistry, 2007, 387, 1435-1448.	1.9	13
135	pH-Induced Release from P2VP-PEO Block Copolymer Vesicles. Langmuir, 2006, 22, 5843-5847.	1.6	155
136	Molecular exchange through membranes of poly(2-vinylpyridine-block-ethylene oxide) vesicles. Chemical Physics Letters, 2006, 419, 430-433.	1.2	20
137	Miscibility with positive deviation in Tg-composition relationship in blends of poly(2-vinyl Tj ETQq1 1 0.784314 ggBT /Overlock 10 Tf	1.8	31
138	A new technique for the deposition of standard solutions in total reflection X-ray fluorescence spectrometry (TXRF) using pico-droplets generated by inkjet printers and its applicability for aerosol analysis with SR-TXRF. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2006, 61, 1098-1104.	1.5	41
139	The effect of ethanol on the permeability of block copolymer vesicle membranes. Journal of Membrane Science, 2006, 284, 1-4.	4.1	14
140	Tailor-Made Ligands for Biocompatible Nanoparticles. Angewandte Chemie - International Edition, 2006, 45, 6577-6580.	7.2	111
141	Development of new rat monoclonal antibodies with different selectivities and sensitivities for 2,4,6-trinitrotoluene (TNT) and other nitroaromatic compounds. Analytical and Bioanalytical Chemistry, 2005, 382, 1919-1933.	1.9	14
142	Direct Preparation and Loading of Lipid and Polymer Vesicles Using Inkjets. Small, 2005, 1, 1177-1180.	5.2	132
143	Shear Thinning and Orientational Ordering of Wormlike Micelles. Physical Review Letters, 2005, 94, 017803.	2.9	98
144	Self-Supported Particle-Track-Etched Polycarbonate Membranes as Templates for Cylindrical Polypyrrole Nanotubes and Nanowires: An X-ray Scattering and Scanning Force Microscopy Investigation. Langmuir, 2005, 21, 11987-11993.	1.6	13

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145	Scattering Curves of Ordered Mesoscopic Materials. Journal of Physical Chemistry B, 2005, 109, 1347-1360.	1.2	246
146	POLYMERS AS SURFACE MODIFIERS FOR PREPARATION OF CoPt_{30} NANOPARTICLE MONOLAYER FILMS. , 2005, , .		0
147	Molecular exchange through vesicle membranes: A pulsed field gradient nuclear magnetic resonance study. Journal of Chemical Physics, 2004, 120, 8740-8747.	1.2	34
148	Poly(styrene sulfonate) self-organization: electrostatic and secondary interactions. Macromolecular Symposia, 2004, 211, 93-106.	0.4	23
149	Nonlinear Osmotic Brush Regime: Experiments, Simulations and Scaling Theory. Journal of Physical Chemistry B, 2004, 108, 16870-16876.	1.2	63
150	Formation of Large PEE Domains in PEE ₂₁₂ ~PEO ₁₁₂ Diblock Copolymer Monolayers: A Shift of the PEO-Desorption Transition. Langmuir, 2004, 20, 11528-11535.	1.6	7
151	Extending the Working Range of Immunoanalysis by Exploitation of Two Monoclonal Antibodies. Journal of Agricultural and Food Chemistry, 2004, 52, 6394-6401.	2.4	11
152	CdSe and CdSe/CdS Nanorod Solids. Journal of the American Chemical Society, 2004, 126, 12984-12988.	6.6	279
153	Separation of chlorinated hydrocarbons and organophosphorus, pyrethroid pesticides by silicagel fractionation chromatography and their simultaneous determination by GC-MS. Journal of Environmental Sciences, 2004, 16, 268-71.	3.2	1
154	Vesicles and Liposomes: A Self-Assembly Principle Beyond Lipids. Advanced Materials, 2003, 15, 1323-1333.	11.1	1,293
155	Internal Interface of a Compressed PEE~PEO Diblock Copolymer Monolayer. Langmuir, 2003, 19, 709-716.	1.6	36
156	From self-organizing polymers to nano- and biomaterials. Journal of Materials Chemistry, 2003, 13, 2671-2688.	6.7	162
157	Amphiphilic Block Copolymers for Templating Applications. Topics in Current Chemistry, 2003, , 1-28.	4.0	61
158	Giant Hexagonal Superstructures in Diblock-Copolymer Membranes. Physical Review Letters, 2002, 89, 238302.	2.9	58
159	Structure of Polyelectrolyte Block Copolymer Micelles. Macromolecules, 2002, 35, 4096-4105.	2.2	141
160	Synthesis of nanostructured polymer-titanium oxide composites through the assembly of titanium-oxo clusters and amphiphilic block copolymers micelles. Journal of Materials Chemistry, 2002, 12, 3426-3430.	6.7	39
161	The Formation of Polymer Vesicles or Peptosomes by Polybutadiene-block-poly(l-glutamate)s in Dilute Aqueous Solution. Journal of the American Chemical Society, 2002, 124, 1658-1663.	6.6	412
162	From Self-Organizing Polymers to Nanohybrid and Biomaterials. Angewandte Chemie - International Edition, 2002, 41, 688.	7.2	573

#	ARTICLE	IF	CITATIONS
163	Title is missing!. European Physical Journal E, 2002, 7, 241-250.	0.7	103
164	Lyotropic Phase Morphologies of Amphiphilic Block Copolymers. Macromolecules, 2001, 34, 4610-4623.	2.2	93
165	Makromolekulare Chemie 2000. Nachrichten Aus Der Chemie, 2001, 49, 359-373.	0.0	2
166	Interactions between polyelectrolyte brushes in free-standing liquid films: influence of ionic strength. , 2001, , 195-199.		14
167	Makromolekulare Chemie 1999. Nachrichten Aus Der Chemie, 2000, 48, 328-347.	0.0	3
168	Synthesis of new side-group liquid crystalline block copolymers by living anionic polymerization. Macromolecular Rapid Communications, 2000, 21, 133-135.	2.0	19
169	Mesoscopic surface patterns formed by block copolymer micelles. Macromolecular Chemistry and Physics, 2000, 201, 204-211.	1.1	41
170	Dielectric relaxation in poly(styrene-b-butadiene) copolymers with perfluorinated side chains. Journal of Chemical Physics, 2000, 113, 3447-3451.	1.2	16
171	Vesicle-Forming Single-Tail Hydrocarbon Surfactants with Sulfonium Headgroup. Langmuir, 2000, 16, 3003-3005.	1.6	23
172	Fusion of micelles of poly(butadiene-block-2-vinylpyridene) and derivatives on different substrates. Surface and Interface Analysis, 1999, 27, 418-421.	0.8	34
173	Evidence for the preservation of the particle identity in miniemulsion polymerization. Macromolecular Rapid Communications, 1999, 20, 81-84.	2.0	166
174	Successive Use of Amphiphilic Block Copolymers as Nanoreactors and Templates: Preparation of Porous Silica with Metal Nanoparticles. Chemistry of Materials, 1999, 11, 1402-1405.	3.2	117
175	Synthesis of PB-PEO and PI-PEO Block Copolymers with Alkylolithium Initiators and the Phosphazene Baset-BuP4. Macromolecules, 1999, 32, 2783-2785.	2.2	115
176	Laser Photolysis Formation of Gold Colloids in Block Copolymer Micelles. Langmuir, 1999, 15, 83-91.	1.6	63
177	How Dendrons Stiffen Polymer Chains: A SANS Study. Macromolecules, 1999, 32, 4043-4049.	2.2	91
178	Shape Investigations of Charged Block Copolymer Micelles on Chemically Different Surfaces by Atomic Force Microscopy. Journal of Physical Chemistry B, 1999, 103, 6669-6675.	1.2	67
179	Fusion of Charged Block Copolymer Micelles into Toroid Networks. Journal of Physical Chemistry B, 1999, 103, 6657-6668.	1.2	113
180	Lyotropic Mesophases of Poly(ethylene oxide)-b-poly(butadiene) Diblock Copolymers and Their Cross-Linking To Generate Ordered Gels. Macromolecules, 1999, 32, 5803-5809.	2.2	86

#	ARTICLE	IF	CITATIONS
181	Amphiphilic Block Copolymers in Structure-Controlled Nanomaterial Hybrids. <i>Advanced Materials</i> , 1998, 10, 195-217.	11.1	1,221
182	A Dendritic Nanocylinder: Shape Control Through Implementation of Steric Strain. <i>Advanced Materials</i> , 1998, 10, 793-797.	11.1	79
183	Charged Polymer Brushes: Counterion Incorporation and Scaling Relations. <i>Physical Review Letters</i> , 1998, 81, 4172-4175.	2.9	166
184	Characterization of two new stable block copolymer mesophases by synchrotron small-angle scattering. <i>Europhysics Letters</i> , 1998, 42, 425-430.	0.7	26
185	Synthesis of Nanoporous Silica with New Pore Morphologies by Templating the Assemblies of Ionic Block Copolymers. <i>Langmuir</i> , 1998, 14, 2027-2031.	1.6	206
186	Scattering Functions of Polymeric Core-Shell Structures and Excluded Volume Chains. <i>Macromolecules</i> , 1998, 31, 879-891.	2.2	106
187	Micellization of amphiphilic block copolymers and use of their micelles as nanosized reaction vessels. <i>Macromolecular Symposia</i> , 1997, 121, 75-88.	0.4	21
188	Polyelectrolyte Block Copolymers as Effective Stabilizers in Emulsion Polymerization. <i>Macromolecules</i> , 1997, 30, 2288-2293.	2.2	63
189	Quantitative Description of the Intrinsic Viscosity of Branched Polyelectrolytes. <i>Macromolecules</i> , 1997, 30, 2700-2704.	2.2	28
190	Preparation of Palladium Colloids in Block Copolymer Micelles and Their Use for the Catalysis of the Heck Reaction. <i>Journal of the American Chemical Society</i> , 1997, 119, 10116-10120.	6.6	353
191	Block copolymer micelles: Viscoelasticity and interaction potential of soft spheres. <i>Journal of Chemical Physics</i> , 1997, 107, 262-272.	1.2	75
192	Polyelectrolyte Brushes Grafted at the Air/Water Interface. <i>Macromolecules</i> , 1997, 30, 8447-8452.	2.2	78
193	Synthesis and characterization of PbS nanoparticles in block copolymer micelles. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1997, 101, 1654-1656.	0.9	31
194	Colloids and polymers: Amphiphilic block copolymers. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1997, 101, 1671-1678.	0.9	26
195	Surface dilational behavior of docosanic acid monolayers spread on the surface of drops of polymer solutions. <i>Thin Solid Films</i> , 1997, 307, 100-105.	0.8	5
196	Title is missing!. <i>Acta Polymerica</i> , 1997, 48, 262-268.	1.3	23
197	Novel Amphiphilic Block Copolymers by Polymer Reactions and Their Use for Solubilization of Metal Salts and Metal Colloids. <i>Macromolecules</i> , 1996, 29, 3800-3806.	2.2	166
198	Intrinsic viscosity of small spherical polyelectrolytes: Proof for the intermolecular origin of the polyelectrolyte effect. <i>Journal of Chemical Physics</i> , 1996, 105, 7795-7807.	1.2	65

#	ARTICLE	IF	CITATIONS
199	Density Profile of Spherical Polymer Brushes. Physical Review Letters, 1996, 77, 95-98.	2.9	98
200	Micellization of strongly segregated block copolymers. Journal of Chemical Physics, 1996, 104, 9956-9970.	1.2	420
201	Edelmetall- und Halbleiterkolloide im Polymerverbund. Nachrichten Aus Der Chemie, 1996, 44, 579-586.	0.0	18
202	Polyisoprene-Polystyrene Diblock Copolymer Phase Diagram near the Order-Disorder Transition. Macromolecules, 1995, 28, 8796-8806.	2.2	965
203	Polyelectrolytes in solution. Advances in Polymer Science, 1995, , 51-133.	0.4	341
204	Title is missing!. Acta Polymerica, 1994, 45, 133-133.	1.3	0
205	Fluctuations, conformational asymmetry and block copolymer phase behaviour. Faraday Discussions, 1994, 98, 7-18.	1.6	399
206	Complex Phase Behavior of Polyisoprene-Polystyrene Diblock Copolymers Near the Order-Disorder Transition. Macromolecules, 1994, 27, 6922-6935.	2.2	412
207	Size-exclusion chromatography of cationic and anionic polyelectrolytes in aqueous media. Die Makromolekulare Chemie Rapid Communications, 1993, 14, 433-438.	1.1	5
208	Chemically driven phase separation in black lipid membranes and its coupling to membrane functions. Thin Solid Films, 1992, 210-211, 756-759.	0.8	2
209	Static and dynamic light scattering by aqueous polyelectrolyte solutions: effect of molecular weight, charge density and added salt. Polymer, 1990, 31, 781-792.	1.8	262
210	Polyelectrolyte Block Copolymer Micelles. Advances in Polymer Science, 0, , 173-210.	0.4	180