

Stefan Färster

List of Publications by Year in descending order

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210
papers

16,597
citations

17429

63
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16636

123
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219
all docs

219
docs citations

219
times ranked

16391
citing authors

#	ARTICLE	IF	CITATIONS
1	Vesicles and Liposomes: A Self-Assembly Principle Beyond Lipids. <i>Advanced Materials</i> , 2003, 15, 1323-1333.	11.1	1,293
2	Amphiphilic Block Copolymers in Structure-Controlled Nanomaterial Hybrids. <i>Advanced Materials</i> , 1998, 10, 195-217.	11.1	1,221
3	Polyisoprene-Polystyrene Diblock Copolymer Phase Diagram near the Order-Disorder Transition. <i>Macromolecules</i> , 1995, 28, 8796-8806.	2.2	965
4	From Self-Organizing Polymers to Nanohybrid and Biomaterials. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 688.	7.2	573
5	Micellization of strongly segregated block copolymers. <i>Journal of Chemical Physics</i> , 1996, 104, 9956-9970.	1.2	420
6	Complex Phase Behavior of Polyisoprene-Polystyrene Diblock Copolymers Near the Order-Disorder Transition. <i>Macromolecules</i> , 1994, 27, 6922-6935.	2.2	412
7	The Formation of Polymer Vesicles or "Peptosomes" by Polybutadiene-block-poly(L-glutamate)s in Dilute Aqueous Solution. <i>Journal of the American Chemical Society</i> , 2002, 124, 1658-1663.	6.6	412
8	Size and Surface Effects on the MRI Relaxivity of Manganese Ferrite Nanoparticle Contrast Agents. <i>Nano Letters</i> , 2007, 7, 2422-2427.	4.5	401
9	Fluctuations, conformational asymmetry and block copolymer phase behaviour. <i>Faraday Discussions</i> , 1994, 98, 7-18.	1.6	399
10	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
11	Polyelectrolytes in solution. <i>Advances in Polymer Science</i> , 1995, , 51-133.	0.4	341
12	CdSe and CdSe/CdS Nanorod Solids. <i>Journal of the American Chemical Society</i> , 2004, 126, 12984-12988.	6.6	279
13	Static and dynamic light scattering by aqueous polyelectrolyte solutions: effect of molecular weight, charge density and added salt. <i>Polymer</i> , 1990, 31, 781-792.	1.8	262
14	Scattering Curves of Ordered Mesoscopic Materials. <i>Journal of Physical Chemistry B</i> , 2005, 109, 1347-1360.	1.2	246
15	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. <i>Journal of Applied Crystallography</i> , 2014, 47, 1797-1803.	1.9	244
16	Colloidal quasicrystals with 12-fold and 18-fold diffraction symmetry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 1810-1814.	3.3	226
17	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
18	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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19	<i>i> Scatter</i>: software for the analysis of nano- and mesoscale small-angle scattering. Journal of Applied Crystallography, 2010, 43, 639-646.</i>	1.9	188
20	Polyelectrolyte Block Copolymer Micelles. Advances in Polymer Science, 0, , 173-210.	0.4	180
21	Micelle and Vesicle Formation of Amphiphilic Nanoparticles. Angewandte Chemie - International Edition, 2009, 48, 2752-2754.	7.2	173
22	Novel Amphiphilic Block Copolymers by Polymer Reactions and Their Use for Solubilization of Metal Salts and Metal Colloids. Macromolecules, 1996, 29, 3800-3806.	2.2	166
23	Charged Polymer Brushes: Counterion Incorporation and Scaling Relations. Physical Review Letters, 1998, 81, 4172-4175.	2.9	166
24	Evidence for the preservation of the particle identity in miniemulsion polymerization. Macromolecular Rapid Communications, 1999, 20, 81-84.	2.0	166
25	From self-organizing polymers to nano- and biomaterials. Journal of Materials Chemistry, 2003, 13, 2671-2688.	6.7	162
26	High strength in combination with high toughness in robust and sustainable polymeric materials. Science, 2019, 366, 1376-1379.	6.0	162
27	pH-Induced Release from P2VP-PEO Block Copolymer Vesicles. Langmuir, 2006, 22, 5843-5847.	1.6	155
28	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
29	Structure of Polyelectrolyte Block Copolymer Micelles. Macromolecules, 2002, 35, 4096-4105.	2.2	141
30	Seeded Growth Synthesis of Gold Nanotriangles: Size Control, SAXS Analysis, and SERS Performance. ACS Applied Materials & Interfaces, 2018, 10, 11152-11163.	4.0	133
31	Direct Preparation and Loading of Lipid and Polymer Vesicles Using Inkjets. Small, 2005, 1, 1177-1180.	5.2	132
32	Protein-Assisted Assembly of Modular 3D Plasmonic Raspberry-like Core/Satellite Nanoclusters: Correlation of Structure and Optical Properties. ACS Nano, 2016, 10, 5740-5750.	7.3	128
33	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
34	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
35	Fusion of Charged Block Copolymer Micelles into Toroid Networks. Journal of Physical Chemistry B, 1999, 103, 6657-6668.	1.2	113
36	Tailor-Made Ligands for Biocompatible Nanoparticles. Angewandte Chemie - International Edition, 2006, 45, 6577-6580.	7.2	111

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37	Nanoparticle-Loaded Magnetophoretic Vesicles. <i>Journal of the American Chemical Society</i> , 2008, 130, 7315-7320.	6.6	108
38	Scattering Functions of Polymeric Core-Shell Structures and Excluded Volume Chains. <i>Macromolecules</i> , 1998, 31, 879-891.	2.2	106
39	Title is missing!. <i>European Physical Journal E</i> , 2002, 7, 241-250.	0.7	103
40	Tailor-Made Quantum Dot and Iron Oxide Based Contrast Agents for <i>in Vitro</i> and <i>in Vivo</i> Tumor Imaging. <i>ACS Nano</i> , 2012, 6, 3346-3355.	7.3	100
41	Microfluidics-Produced Collagen Fibers Show Extraordinary Mechanical Properties. <i>Nano Letters</i> , 2016, 16, 5917-5922.	4.5	100
42	Density Profile of Spherical Polymer Brushes. <i>Physical Review Letters</i> , 1996, 77, 95-98.	2.9	98
43	Shear Thinning and Orientational Ordering of Wormlike Micelles. <i>Physical Review Letters</i> , 2005, 94, 017803.	2.9	98
44	Lyotropic Phase Morphologies of Amphiphilic Block Copolymers. <i>Macromolecules</i> , 2001, 34, 4610-4623.	2.2	93
45	How Dendrons Stiffen Polymer Chains: A SANS Study. <i>Macromolecules</i> , 1999, 32, 4043-4049.	2.2	91
46	Fabrication of Polymersomes using Double-Emulsion Templates in Glass-Coated Stamped Microfluidic Devices. <i>Small</i> , 2010, 6, 1723-1727.	5.2	91
47	Lyotropic Mesophases of Poly(ethylene oxide)-b-poly(butadiene) Diblock Copolymers and Their Cross-Linking To Generate Ordered Gels. <i>Macromolecules</i> , 1999, 32, 5803-5809.	2.2	86
48	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
49	Plasmonic Library Based on Substrate-Supported Gradiential Plasmonic Arrays. <i>ACS Nano</i> , 2014, 8, 9410-9421.	7.3	84
50	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
51	A Dendritic Nanocylinder: Shape Control Through Implementation of Steric Strain. <i>Advanced Materials</i> , 1998, 10, 793-797.	11.1	79
52	Polyelectrolyte Brushes Grafted at the Air/Water Interface. <i>Macromolecules</i> , 1997, 30, 8447-8452.	2.2	78
53	Polymer Ligand Exchange to Control Stabilization and Compatibilization of Nanocrystals. <i>ACS Nano</i> , 2014, 8, 6114-6122.	7.3	76
54	Nanorattles with tailored electric field enhancement. <i>Nanoscale</i> , 2017, 9, 9376-9385.	2.8	76

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55	Block copolymer micelles: Viscoelasticity and interaction potential of soft spheres. Journal of Chemical Physics, 1997, 107, 262-272.	1.2	75
56	Preparation of Monodisperse Block Copolymer Vesicles via Flow Focusing in Microfluidics. Langmuir, 2010, 26, 6860-6863.	1.6	75
57	Order causes secondary Bragg peaks in soft materials. Nature Materials, 2007, 6, 888-893.	13.3	74
58	In-Depth Insights into the Key Steps of Delamination of Charged 2D Nanomaterials. Langmuir, 2016, 32, 10582-10588.	1.6	73
59	Completely Miscible Nanocomposites. Angewandte Chemie - International Edition, 2011, 50, 7811-7814.	7.2	69
60	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
61	Microfluidic liquid jet system with compatibility for atmospheric and high-vacuum conditions. Lab on A Chip, 2014, 14, 1733-1745.	3.1	66
62	Two-Dimensional Self-Assembled Structures of Highly Ordered Bioactive Crystalline-Based Block Copolymers. Macromolecules, 2017, 50, 8544-8553.	2.2	66
63	Intrinsic viscosity of small spherical polyelectrolytes: Proof for the intermolecular origin of the polyelectrolyte effect. Journal of Chemical Physics, 1996, 105, 7795-7807.	1.2	65
64	Preparation of Monodisperse Block Copolymer Vesicles via a Thermotropic Cylinder \rightarrow Vesicle Transition. Langmuir, 2009, 25, 1337-1344.	1.6	65
65	Polyelectrolyte Block Copolymers as Effective Stabilizers in Emulsion Polymerization. Macromolecules, 1997, 30, 2288-2293.	2.2	63
66	Laser Photolysis Formation of Gold Colloids in Block Copolymer Micelles. Langmuir, 1999, 15, 83-91.	1.6	63
67	Nonlinear Osmotic Brush Regime: Experiments, Simulations and Scaling Theory. Journal of Physical Chemistry B, 2004, 108, 16870-16876.	1.2	63
68	Calculation of scattering-patterns of ordered nano- and mesoscale materials. Advances in Colloid and Interface Science, 2011, 163, 53-83.	7.0	63
69	Amphiphilic Block Copolymers for Templating Applications. Topics in Current Chemistry, 2003, , 1-28.	4.0	61
70	Completely Miscible Polyethylene Nanocomposites. Journal of the American Chemical Society, 2012, 134, 18157-18160.	6.6	60
71	Giant Hexagonal Superstructures in Diblock-Copolymer Membranes. Physical Review Letters, 2002, 89, 238302.	2.9	58
72	Direct Synthesis of Inverse Hexagonally Ordered Diblock Copolymer/Polyoxometalate Nanocomposite Films. Journal of the American Chemical Society, 2012, 134, 12685-12692.	6.6	54

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73	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
74	Topological Paths and Transient Morphologies during Formation of Mesoporous Block Copolymer Membranes. <i>Macromolecules</i> , 2014, 47, 5566-5577.	2.2	52
75	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
76	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
77	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
78	Characteristics of Picoliter Droplet Dried Residues as Standards for Direct Analysis Techniques. <i>Analytical Chemistry</i> , 2008, 80, 1967-1977.	3.2	45
79	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
80	Noncanonical control of <i>C. elegans</i> germline apoptosis by the insulin/IGF-1 and Ras/MAPK signaling pathways. <i>Cell Death and Differentiation</i> , 2013, 20, 97-107.	5.0	43
81	Early development drug formulation on a chip: Fabrication of nanoparticles using a microfluidic spray dryer. <i>Lab on A Chip</i> , 2011, 11, 2362.	3.1	42
82	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
83	Mesoscopic surface patterns formed by block copolymer micelles. <i>Macromolecular Chemistry and Physics</i> , 2000, 201, 204-211.	1.1	41
84	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. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2006, 61, 1098-1104.	1.5	41
85	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
86	Onset of Osmotic Swelling in Highly Charged Clay Minerals. <i>Langmuir</i> , 2018, 34, 8215-8222.	1.6	41
87	Synthesis of nanostructured polymer-titanium oxide composites through the assembly of titanium-oxo clusters and amphiphilic block copolymers micelles. <i>Journal of Materials Chemistry</i> , 2002, 12, 3426-3430.	6.7	39
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	A General Route to Optically Transparent Highly Filled Polymer Nanocomposites. <i>Macromolecules</i> , 2015, 48, 5323-5327.	2.2	37
90	Internal Interface of a Compressed PEE-PEO Diblock Copolymer Monolayer. <i>Langmuir</i> , 2003, 19, 709-716.	1.6	36

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91	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
92	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
93	Fusion of micelles of poly(butadiene-block-2-vinylpyridene) and derivatives on different substrates. <i>Surface and Interface Analysis</i> , 1999, 27, 418-421.	0.8	34
94	Molecular exchange through vesicle membranes: A pulsed field gradient nuclear magnetic resonance study. <i>Journal of Chemical Physics</i> , 2004, 120, 8740-8747.	1.2	34
95	Routes to Nanoparticle-Polymer Superlattices. <i>Polymers</i> , 2011, 3, 662-673.	2.0	32
96	Tailored Nanostructuring of End-Group-Functionalized High-Density Polyethylene Synthesized by an Efficient Catalytic Version of Ziegler-Ti's α -Aufbaureaktion. <i>Chemistry - A European Journal</i> , 2012, 18, 13974-13978.	1.7	32
97	Synthesis and characterization of PbS nanoparticles in block copolymer micelles. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1997, 101, 1654-1656.	0.9	31
98	Miscibility with positive deviation in Tg-composition relationship in blends of poly(2-vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462 T	1.8	31
99	Microfluidic Examination of the α -Hard-Biomolecular Corona Formed on Engineered Particles in Different Biological Milieu. <i>Biomacromolecules</i> , 2018, 19, 2580-2594.	2.6	31
100	Molecular Exchange through Membranes of Poly(2-vinylpyridine-block-ethylene oxide) Vesicles. <i>Small</i> , 2007, 3, 1074-1083.	5.2	30
101	Synthesis of [Fe(L)(bipy)] _n spin crossover nanoparticles using blockcopolymer micelles. <i>Nanoscale</i> , 2016, 8, 19058-19065.	2.8	30
102	Quantitative Description of the Intrinsic Viscosity of Branched Polyelectrolytes. <i>Macromolecules</i> , 1997, 30, 2700-2704.	2.2	28
103	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
104	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
105	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
106	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
107	Molecular dynamics study of colloidal quasicrystals. <i>Soft Matter</i> , 2016, 12, 7644-7654.	1.2	27
108	Colloids and polymers: Amphiphilic block copolymers. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1997, 101, 1671-1678.	0.9	26

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109	Characterization of two new stable block copolymer mesophases by synchrotron small-angle scattering. <i>Europhysics Letters</i> , 1998, 42, 425-430.	0.7	26
110	Water permeation through block-copolymer vesicle membranes. <i>Chemical Physics Letters</i> , 2007, 444, 268-272.	1.2	26
111	Strategies for the selective loading of patchy worm-like micelles with functional nanoparticles. <i>Nanoscale</i> , 2018, 10, 18257-18268.	2.8	26
112	Covalent Attachment of Polymersomes to Surfaces. <i>Langmuir</i> , 2010, 26, 6927-6931.	1.6	25
113	Polymeric Flower-Like Microparticles from Self-Assembled Cellulose Stearoyl Esters. <i>ACS Macro Letters</i> , 2015, 4, 214-219.	2.3	24
114	Interfacial stabilization by soft Janus nanoparticles. <i>Polymer</i> , 2016, 106, 208-217.	1.8	24
115	Two Growth Mechanisms of Thiol-Capped Gold Nanoparticles Controlled by Ligand Chemistry. <i>Langmuir</i> , 2019, 35, 12130-12138.	1.6	24
116	Vesicular Polymer Hexosomes Exhibit Topological Defects. <i>Journal of the American Chemical Society</i> , 2020, 142, 10989-10995.	6.6	24
117	Title is missing!. <i>Acta Polymerica</i> , 1997, 48, 262-268.	1.3	23
118	Vesicle-Forming Single-Tail Hydrocarbon Surfactants with Sulfonium Headgroup. <i>Langmuir</i> , 2000, 16, 3003-3005.	1.6	23
119	Poly(styrene sulfonate) self-organization: electrostatic and secondary interactions. <i>Macromolecular Symposia</i> , 2004, 211, 93-106.	0.4	23
120	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
121	Monodisperse hollow silica spheres: An in-depth scattering analysis. <i>Nano Research</i> , 2016, 9, 1366-1376.	5.8	22
122	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
123	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
124	Molecular Spoked Wheels: Synthesis and Self-Assembly Studies on Rigid Nanoscale 2D Objects. <i>Chemistry - A European Journal</i> , 2013, 19, 4480-4495.	1.7	21
125	Molecular exchange through membranes of poly(2-vinylpyridine-block-ethylene oxide) vesicles. <i>Chemical Physics Letters</i> , 2006, 419, 430-433.	1.2	20
126	Noncovalent Grafting of Carbon Nanotubes with Triblock Terpolymers: Toward Patchy 1D Hybrids. <i>Macromolecules</i> , 2015, 48, 1767-1776.	2.2	20

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127	Encapsulation of Functional Organic Compounds in Nanoglass for Optically Anisotropic Coatings. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 4963-4967.	7.2	20
128	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
129	Synthesis of new side-group liquid crystalline block copolymers by living anionic polymerization. <i>Macromolecular Rapid Communications</i> , 2000, 21, 133-135.	2.0	19
130	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
131	Two-Step Delamination of Highly Charged, Vermiculite-like Layered Silicates via Ordered Heterostructures. <i>Langmuir</i> , 2017, 33, 4816-4822.	1.6	19
132	Edelmetall- und Halbleiterkolloide im Polymerverbund. <i>Nachrichten Aus Der Chemie</i> , 1996, 44, 579-586.	0.0	18
133	Nanoporous Sheets and Cylinders via Bulk Templating of Triblock Terpolymer/Homopolymer Blends. <i>Macromolecules</i> , 2014, 47, 6289-6301.	2.2	18
134	Reversible gold nanorod alignment in mechano-responsive elastomers. <i>Polymer</i> , 2015, 66, 167-172.	1.8	17
135	Dielectric relaxation in poly(styrene- <i>b</i> -butadiene) copolymers with perfluorinated side chains. <i>Journal of Chemical Physics</i> , 2000, 113, 3447-3451.	1.2	16
136	Synthesis and properties of a triphenylene- <i>b</i> -butadienyl macrocycle. <i>Journal of Materials Chemistry</i> , 2011, 21, 1404-1415.	6.7	16
137	SiCN Nanofibers with a Diameter Below 100 nm Synthesized via Concerted Block Copolymer Formation, Microphase Separation, and Crosslinking. <i>Small</i> , 2013, 9, 984-989.	5.2	16
138	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
139	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
140	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
141	Controlled Assembly of Block Copolymer Coated Nanoparticles in 2D Arrays. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8541-8545.	7.2	16
142	An Inverse Thermogelling Bioink Based on an ABA-Type Poly(2-oxazoline) Amphiphile. <i>Biomacromolecules</i> , 2021, 22, 3017-3027.	2.6	16
143	Parallel and Perpendicular Alignment of Anisotropic Particles in Free Liquid Microjets and Emerging Microdroplets. <i>Langmuir</i> , 2018, 34, 4843-4851.	1.6	15
144	Development of new rat monoclonal antibodies with different selectivities and sensitivities for 2,4,6-trinitrotoluene (TNT) and other nitroaromatic compounds. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 382, 1919-1933.	1.9	14

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145	The effect of ethanol on the permeability of block copolymer vesicle membranes. <i>Journal of Membrane Science</i> , 2006, 284, 1-4.	4.1	14
146	Polymersomes Containing Iron Sulfide (FeS) as Primordial Cell Model. <i>Origins of Life and Evolution of Biospheres</i> , 2011, 41, 103-119.	0.8	14
147	Lyotropic phase behavior of polymer-coated iron oxide nanoparticles. <i>Soft Matter</i> , 2012, 8, 12124.	1.2	14
148	[FeFe]-Hydrogenase models assembled into vesicular structures. <i>Journal of Liposome Research</i> , 2014, 24, 59-68.	1.5	14
149	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
150	Emerging Attractor in Wavy Poiseuille Flows Triggers Sorting of Biological Cells. <i>Physical Review Letters</i> , 2019, 122, 128002.	2.9	14
151	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
152	Interactions between polyelectrolyte brushes in free-standing liquid films: influence of ionic strength. , 2001, , 195-199.		14
153	Bistability, Remanence, Read/Writeâ€Memory, and Logic Gate Function via a Stimuliâ€Responsive Polymer. <i>Advanced Materials</i> , 2022, 34, e2108833.	11.1	14
154	Self-Supported Particle-Track-Etched Polycarbonate Membranes as Templates for Cylindrical Polypyrrole Nanotubes and Nanowires:Â An X-ray Scattering and Scanning Force Microscopy Investigation. <i>Langmuir</i> , 2005, 21, 11987-11993.	1.6	13
155	How can immunochemical methods contribute to the implementation of the Water Framework Directive?. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 387, 1435-1448.	1.9	13
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