

Stefan Frster

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

213
papers

14,503
citations

60
h-index

117
g-index

219
ext. papers

15,521
ext. citations

7
avg, IF

6.41
L-index

#	Paper	IF	Citations
213	Bistability, Remanence, Read/write-memory and Logic Gate Function via A Stimuli Responsive Polymer.. <i>Advanced Materials</i> , 2022 , e2108833	24	1
212	Influence of molecular weight on the distribution of segmental relaxation in polymer grafted nanoparticles. <i>Physical Review Materials</i> , 2022 , 6,	3.2	3
211	Controlled LCST Behavior and Structure Formation of Alternating Amphiphilic Copolymers in Water. <i>Macromolecules</i> , 2022 , 55, 1552-1565	5.5	2
210	Mechanism of Behavior of Two-Way Shape Memory Polymer under Constant Strain Conditions. <i>Macromolecules</i> , 2022 , 55, 1680-1689	5.5	0
209	Quasielastic neutron scattering reveals the temperature dependent rotational dynamics of densely grafted oleic acid.. <i>Journal of Chemical Physics</i> , 2022 , 156, 164908	3.9	
208	Technical Specification of the Small-Angle Neutron Scattering Instrument SKADI at the European Spallation Source. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 3620	2.6	2
207	An Inverse Thermogelling Bioink Based on an ABA-Type Poly(2-oxazoline) Amphiphile. <i>Biomacromolecules</i> , 2021 , 22, 3017-3027	6.9	5
206	3D-Positioning of Nanoparticles in High-Curvature Block Copolymer Domains. <i>Angewandte Chemie</i> , 2021 , 133, 17680-17687	3.6	
205	3D-Positioning of Nanoparticles in High-Curvature Block Copolymer Domains. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 17539-17546	16.4	1
204	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	3.8	5
203	Growth of Gold Nanorods: A SAXS Study. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 19947-19960	3.8	3
202	ABA Type Amphiphiles with Poly(2-benzhydryl-2-oxazine) Moieties: Synthesis, Characterization and Inverse Thermogelation. <i>Macromolecular Chemistry and Physics</i> , 2021 , 222, 2100114	2.6	0
201	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	4.9	1
200	Nanoparticle Heat-Up Synthesis: X-ray Diffraction and Extension from Classical to Nonclassical Nucleation and Growth Theory. <i>ACS Nano</i> , 2021 , 15, 840-856	16.7	8
199	Colloidally stable, magnetoresponsive liquid crystals based on clay nanosheets. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 12732-12740	7.1	1
198	Long-Term Colloidally Stable Aqueous Dispersions of 8 nm Spinel Ferrite Nanoparticles. <i>ChemistryOpen</i> , 2020 , 9, 1214-1220	2.3	1
197	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	4.1	1

196	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	9.5	25
195	Vesicular Polymer Hexosomes Exhibit Topological Defects. <i>Journal of the American Chemical Society</i> , 2020 , 142, 10989-10995	16.4	10
194	Inverse Thermogelation of Aqueous Triblock Copolymer Solutions into Macroporous Shear-Thinning 3D Printable Inks. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 12445-12456	9.5	13
193	Controlling Polymer Microfiber Structure by Micro Solution Blow Spinning. <i>Macromolecular Chemistry and Physics</i> , 2020 , 221, 1900453	2.6	3
192	Two Growth Mechanisms of Thiol-Capped Gold Nanoparticles Controlled by Ligand Chemistry. <i>Langmuir</i> , 2019 , 35, 12130-12138	4	16
191	Controlled Assembly of Block Copolymer Coated Nanoparticles in 2D Arrays. <i>Angewandte Chemie</i> , 2019 , 131, 8629	3.6	
190	Controlled Assembly of Block Copolymer Coated Nanoparticles in 2D Arrays. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 8541-8545	16.4	10
189	Silver Particles with Rhombicuboctahedral Shape and Effective Isotropic Interactions with Light. <i>Chemistry of Materials</i> , 2019 , 31, 2822-2827	9.6	5
188	Emerging Attractor in Wavy Poiseuille Flows Triggers Sorting of Biological Cells. <i>Physical Review Letters</i> , 2019 , 122, 128002	7.4	8
187	Creating a synthetic platform for the encapsulation of nanocrystals with covalently bound polymer shells. <i>Nanoscale</i> , 2019 , 11, 3847-3854	7.7	10
186	Nucleation and Growth Kinetics of ZnO Nanoparticles Studied by in Situ Microfluidic SAXS/WAXS/UV-Vis Experiments. <i>Langmuir</i> , 2019 , 35, 11702-11709	4	13
185	High strength in combination with high toughness in robust and sustainable polymeric materials. <i>Science</i> , 2019 , 366, 1376-1379	33.3	89
184	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	9.5	30
183	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	5.1	9
182	Ordered Particle Arrays via a Langmuir Transfer Process: Access to Any Two-Dimensional Bravais Lattice. <i>Langmuir</i> , 2019 , 35, 973-979	4	18
181	Seeded Growth Synthesis of Gold Nanotriangles: Size Control, SAXS Analysis, and SERS Performance. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 11152-11163	9.5	99
180	Microfluidic Examination of the "Hard" Biomolecular Corona Formed on Engineered Particles in Different Biological Milieu. <i>Biomacromolecules</i> , 2018 , 19, 2580-2594	6.9	23
179	Viscoelastic properties and reinforcement of non-aggregated and aggregated nanocomposites. <i>Polymer</i> , 2018 , 145, 101-107	3.9	4

178	Hydrogelation Kinetics Measured in a Microfluidic Device with in Situ X-ray and Fluorescence Detection. <i>Langmuir</i> , 2018 , 34, 5535-5544	4	14
177	Parallel and Perpendicular Alignment of Anisotropic Particles in Free Liquid Microjets and Emerging Microdroplets. <i>Langmuir</i> , 2018 , 34, 4843-4851	4	8
176	Self-Assembly of Magnetic Iron Oxide Nanoparticles Into Cuboidal Superstructures 2018 , 165-189		4
175	Microfluidic nozzle device for ultrafine fiber solution blow spinning with precise diameter control. <i>Lab on A Chip</i> , 2018 , 18, 2225-2234	7.2	21
174	Splitting and separation of colloidal streams in sinusoidal microchannels. <i>Lab on A Chip</i> , 2018 , 18, 3163-3171		7
173	Strategies for the selective loading of patchy worm-like micelles with functional nanoparticles. <i>Nanoscale</i> , 2018 , 10, 18257-18268	7.7	16
172	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	3.4	1
171	Onset of Osmotic Swelling in Highly Charged Clay Minerals. <i>Langmuir</i> , 2018 , 34, 8215-8222	4	29
170	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	4.1	16
169	Two-Step Delamination of Highly Charged, Vermiculite-like Layered Silicates via Ordered Heterostructures. <i>Langmuir</i> , 2017 , 33, 4816-4822	4	12
168	Nanorattles with tailored electric field enhancement. <i>Nanoscale</i> , 2017 , 9, 9376-9385	7.7	56
167	Two-Dimensional Self-Assembled Structures of Highly Ordered Bioactive Crystalline-Based Block Copolymers. <i>Macromolecules</i> , 2017 , 50, 8544-8553	5.5	49
166	Synthesis of [Fe(L)(L)] coordination polymer nanoparticles using blockcopolymer micelles. <i>Beilstein Journal of Nanotechnology</i> , 2017 , 8, 1318-1327	3	11
165	Molecular dynamics study of colloidal quasicrystals. <i>Soft Matter</i> , 2016 , 12, 7644-54	3.6	24
164	Polymeric Flaky Nanostructures from Cellulose Stearoyl Esters for Functional Surfaces. <i>Advanced Materials Interfaces</i> , 2016 , 3, 1600636	4.6	6
163	Synthesis of [Fe(L)(bipy)] spin crossover nanoparticles using blockcopolymer micelles. <i>Nanoscale</i> , 2016 , 8, 19058-19065	7.7	27
162	Controlled Exfoliation of Layered Silicate Heterostructures into Bilayers and Their Conversion into Giant Janus Platelets. <i>Angewandte Chemie</i> , 2016 , 128, 7524-7528	3.6	4
161	Protein-Assisted Assembly of Modular 3D Plasmonic Raspberry-like Core/Satellite Nanoclusters: Correlation of Structure and Optical Properties. <i>ACS Nano</i> , 2016 , 10, 5740-50	16.7	93

160	Hybrid Microgels with Confined Needle-like Lanthanide Phosphate Nanocrystals. <i>Chemistry of Materials</i> , 2016 , 28, 501-510	9.6	5
159	Supramolecular Nanocomposites: Dual-Functional Cholesteric Hydroxypropyl Cellulose Esters Chemically Linked to Gold Nanoparticles. <i>ChemNanoMat</i> , 2016 , 2, 290-296	3.5	3
158	Controlled Exfoliation of Layered Silicate Heterostructures into Bilayers and Their Conversion into Giant Janus Platelets. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 7398-402	16.4	20
157	Reinforcement of nanostructured organogels by hydrogen bonds. <i>RSC Advances</i> , 2016 , 6, 42730-42738	3.7	6
156	Monodisperse hollow silica spheres: An in-depth scattering analysis. <i>Nano Research</i> , 2016 , 9, 1366-1376	10	18
155	Composite Hydrogels with Tunable Anisotropic Morphologies and Mechanical Properties. <i>Chemistry of Materials</i> , 2016 , 28, 3406-3415	9.6	156
154	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	3.9	12
153	Interfacial stabilization by soft Janus nanoparticles. <i>Polymer</i> , 2016 , 106, 208-217	3.9	18
152	In-Depth Insights into the Key Steps of Delamination of Charged 2D Nanomaterials. <i>Langmuir</i> , 2016 , 32, 10582-10588	4	55
151	Microfluidics-Produced Collagen Fibers Show Extraordinary Mechanical Properties. <i>Nano Letters</i> , 2016 , 16, 5917-22	11.5	72
150	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, 1354-67	3.6	42
149	Encapsulation of functional organic compounds in nanoglass for optically anisotropic coatings. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 4963-7	16.4	15
148	A General Route to Optically Transparent Highly Filled Polymer Nanocomposites. <i>Macromolecules</i> , 2015 , 48, 5323-5327	5.5	34
147	Reversible gold nanorod alignment in mechano-responsive elastomers. <i>Polymer</i> , 2015 , 66, 167-172	3.9	16
146	In situ formation of a MoS ₂ -based inorganic-organic nanocomposite by directed thermal decomposition. <i>Chemistry - A European Journal</i> , 2015 , 21, 8918-25	4.8	7
145	Simultaneous SAXS/WAXS/UV-Vis Study of the Nucleation and Growth of Nanoparticles: A Test of Classical Nucleation Theory. <i>Langmuir</i> , 2015 , 31, 11678-91	4	66
144	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, 888-94	4.4	3
143	Polymer Cages as Universal Tools for the Precise Bottom-Up Synthesis of Metal Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 14539-44	16.4	11

142	Investigations on calcium carboxylate and sulfonate additive incompatibilities in a preservation oil. <i>Lubrication Science</i> , 2015 , 27, 71-81	1.3	
141	Nanoglas-Verkapselung funktionaler organischer Verbindungen flüßig optisch anisotrope Beschichtungen. <i>Angewandte Chemie</i> , 2015 , 127, 5047-5051	3.6	4
140	SAXS Analysis of Shell Formation During Nanocapsule Synthesis via Inverse Miniemulsion Periphery RAFT Polymerization. <i>Macromolecular Rapid Communications</i> , 2015 , 36, 1267-71	4.8	9
139	Self-assembly of smallest magnetic particles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 14484-9	11.5	65
138	Noncovalent Grafting of Carbon Nanotubes with Triblock Terpolymers: Toward Patchy 1D Hybrids. <i>Macromolecules</i> , 2015 , 48, 1767-1776	5.5	17
137	Evaporation-Induced Block Copolymer Self-Assembly into Membranes Studied by in Situ Synchrotron SAXS. <i>Macromolecules</i> , 2015 , 48, 1524-1530	5.5	41
136	Polymeric Flower-Like Microparticles from Self-Assembled Cellulose Stearoyl Esters. <i>ACS Macro Letters</i> , 2015 , 4, 214-219	6.6	21
135	Hydrogels from phospholipid vesicles. <i>Advances in Colloid and Interface Science</i> , 2014 , 208, 252-63	14.3	8
134	1H relaxation enhancement induced by nanoparticles in solutions: influence of magnetic properties and diffusion. <i>Journal of Chemical Physics</i> , 2014 , 140, 174504	3.9	18
133	Facile large-scale synthetic route to monodisperse ZnO nanocrystals. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014 , 444, 76-80	5.1	12
132	Defect accommodation in nanostructured soft crystals. <i>Nanoscale</i> , 2014 , 6, 1635-45	7.7	1
131	Fast diffusion-limited lyotropic phase transitions studied in situ using continuous flow microfluidics/microfocus-SAXS. <i>Langmuir</i> , 2014 , 30, 12494-502	4	36
130	Nanoporous Sheets and Cylinders via Bulk Templating of Triblock Terpolymer/Homopolymer Blends. <i>Macromolecules</i> , 2014 , 47, 6289-6301	5.5	17
129	[FeFe]-hydrogenase models assembled into vesicular structures. <i>Journal of Liposome Research</i> , 2014 , 24, 59-68	6.1	14
128	Plasmonic library based on substrate-supported gradiental plasmonic arrays. <i>ACS Nano</i> , 2014 , 8, 9410-216.7	16.7	70
127	Synthesis of pH-Responsive Nanocapsules via Inverse Miniemulsion Periphery RAFT Polymerization and Post-Polymerization Reaction. <i>ACS Macro Letters</i> , 2014 , 3, 935-939	6.6	36
126	Topological Paths and Transient Morphologies during Formation of Mesoporous Block Copolymer Membranes. <i>Macromolecules</i> , 2014 , 47, 5566-5577	5.5	44
125	Microfluidic liquid jet system with compatibility for atmospheric and high-vacuum conditions. <i>Lab on A Chip</i> , 2014 , 14, 1733-45	7.2	54

124	Polymer ligand exchange to control stabilization and compatibilization of nanocrystals. <i>ACS Nano</i> , 2014 , 8, 6114-22	16.7	62
123	A customizable software for fast reduction and analysis of large X-ray scattering data sets: applications of the new 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	3.8	167
122	Towards completely miscible PMMA nanocomposites reinforced by shear-stiff, nano-mica. <i>Journal of Colloid and Interface Science</i> , 2014 , 425, 143-51	9.3	14
121	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	12.7	36
120	Shear-induced macroscopic BiameseLtwins in soft colloidal crystals. <i>Soft Matter</i> , 2013 , 9, 8464	3.6	7
119	Molecular spoked wheels: synthesis and self-assembly studies on rigid nanoscale 2D objects. <i>Chemistry - A European Journal</i> , 2013 , 19, 4480-95	4.8	20
118	Towards mesoporous Keggin-type polyoxometalates Lsystematic study on organic template removal. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 6238	13	8
117	Anisotropic particles align perpendicular to the flow direction in narrow microchannels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 6706-11	11.5	116
116	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	11	14
115	Lyotropic phase behavior of polymer-coated iron oxide nanoparticles. <i>Soft Matter</i> , 2012 , 8, 12124	3.6	12
114	Tailored nanostructuring of end-group-functionalized high-density polyethylene synthesized by an efficient catalytic version of Ziegler's "Aufbaureaktion". <i>Chemistry - A European Journal</i> , 2012 , 18, 13974-8 ⁸	4.8	24
113	Completely miscible polyethylene nanocomposites. <i>Journal of the American Chemical Society</i> , 2012 , 134, 18157-60	16.4	56
112	Tailor-made quantum dot and iron oxide based contrast agents for in vitro and in vivo tumor imaging. <i>ACS Nano</i> , 2012 , 6, 3346-55	16.7	87
111	Direct synthesis of inverse hexagonally ordered diblock copolymer/polyoxometalate nanocomposite films. <i>Journal of the American Chemical Society</i> , 2012 , 134, 12685-92	16.4	49
110	Early development drug formulation on a chip: fabrication of nanoparticles using a microfluidic spray dryer. <i>Lab on A Chip</i> , 2011 , 11, 2362-8	7.2	35
109	Surface-induced breakout crystallization in cylinder-forming P(I-b-EO) diblock copolymer thin films. <i>European Physical Journal E</i> , 2011 , 34, 7	1.5	9
108	Polymersomes containing iron sulfide (FeS) as primordial cell model : for the investigation of energy providing redox reactions. <i>Origins of Life and Evolution of Biospheres</i> , 2011 , 41, 103-19	1.5	10
107	Calculation of scattering-patterns of ordered nano- and mesoscale materials. <i>Advances in Colloid and Interface Science</i> , 2011 , 163, 53-83	14.3	52

106	Completely Miscible Nanocomposites. <i>Angewandte Chemie</i> , 2011 , 123, 7957-7960	3.6	7
105	Completely miscible nanocomposites. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 7811-4	16.4	66
104	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, 1810-4	11.5	198
103	Synthesis and properties of a triphenylenebutadiynylene macrocycle. <i>Journal of Materials Chemistry</i> , 2011 , 21, 1404-1415		15
102	Routes to Nanoparticle-Polymer Superlattices. <i>Polymers</i> , 2011 , 3, 662-673	4.5	27
101	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	3.9	42
100	Preparation of monodisperse block copolymer vesicles via flow focusing in microfluidics. <i>Langmuir</i> , 2010 , 26, 6860-3	4	67
99	Covalent attachment of polymersomes to surfaces. <i>Langmuir</i> , 2010 , 26, 6927-31	4	24
98	Scatter: software for the analysis of nano- and mesoscale small-angle scattering. <i>Journal of Applied Crystallography</i> , 2010 , 43, 639-646	3.8	141
97	Fabrication of polymersomes using double-emulsion templates in glass-coated stamped microfluidic devices. <i>Small</i> , 2010 , 6, 1723-7	11	81
96	Micelle and Vesicle Formation of Amphiphilic Nanoparticles. <i>Angewandte Chemie</i> , 2009 , 121, 2790-2792	3.6	30
95	Micelle and vesicle formation of amphiphilic nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 2752-4	16.4	166
94	In situ synthesis and alignment of Au nanoparticles within hexagonally packed cylindrical domains of diblock copolymers in bulk. <i>Langmuir</i> , 2009 , 25, 9571-8	4	27
93	Preparation of monodisperse block copolymer vesicles via a thermotropic cylinder-vesicle transition. <i>Langmuir</i> , 2009 , 25, 1337-44	4	61
92	Characteristics of picoliter droplet dried residues as standards for direct analysis techniques. <i>Analytical Chemistry</i> , 2008 , 80, 1967-77	7.8	43
91	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	7.4	48
90	Nanoparticle-loaded magnetophoretic vesicles. <i>Journal of the American Chemical Society</i> , 2008 , 130, 7315-20	5.2	101
89	Bundle formation in polyelectrolyte brushes. <i>Physical Review Letters</i> , 2008 , 101, 258303	7.4	10

88	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	4.8	35
87	Sub-20 nm Magnetic Dots with Perpendicular Magnetic Anisotropy. <i>Advanced Functional Materials</i> , 2008 , 18, 76-81	15.6	9
86	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, 1821-35	4.4	1
85	Water permeation through block-copolymer vesicle membranes. <i>Chemical Physics Letters</i> , 2007 , 444, 268-272	2.5	24
84	Molecular exchange through membranes of poly(2-vinylpyridine-block-ethylene oxide) vesicles. <i>Small</i> , 2007 , 3, 1074-83	11	27
83	Order causes secondary Bragg peaks in soft materials. <i>Nature Materials</i> , 2007 , 6, 888-93	27	68
82	Magnetic antidot arrays using filled diblock copolymer micelles as ion etching mask. <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 316, e40-e43	2.8	4
81	Size and surface effects on the MRI relaxivity of manganese ferrite nanoparticle contrast agents. <i>Nano Letters</i> , 2007 , 7, 2422-7	11.5	369
80	How can immunochemical methods contribute to the implementation of the Water Framework Directive?. <i>Analytical and Bioanalytical Chemistry</i> , 2007 , 387, 1435-48	4.4	12
79	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. <i>Applied Physics Letters</i> , 2007 , 91, 213102 ^{3,4}	3.4	3
78	Miscibility with positive deviation in Tg-composition relationship in blends of poly(2-vinyl pyridine)-block-poly(ethylene oxide) and poly(p-vinyl phenol). <i>Polymer</i> , 2006 , 47, 8350-8359	3.9	30
77	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	3.1	39
76	The effect of ethanol on the permeability of block copolymer vesicle membranes. <i>Journal of Membrane Science</i> , 2006 , 284, 1-4	9.6	11
75	Tailor-made ligands for biocompatible nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 6577-80	16.4	104
74	Maßgeschneiderte Liganden für biokompatible Nanopartikel. <i>Angewandte Chemie</i> , 2006 , 118, 6727-6731	3.6	20
73	pH-induced release from P2VP-PEO block copolymer vesicles. <i>Langmuir</i> , 2006 , 22, 5843-7	4	149
72	Molecular exchange through membranes of poly(2-vinylpyridine-block-ethylene oxide) vesicles. <i>Chemical Physics Letters</i> , 2006 , 419, 430-433	2.5	19
71	Self-supported particle-track-etched polycarbonate membranes as templates for cylindrical polypyrrole nanotubes and nanowires: an X-ray scattering and scanning force microscopy investigation. <i>Langmuir</i> , 2005 , 21, 11987-93	4	12

70	Scattering curves of ordered mesoscopic materials. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 1347-60	3.4	208
69	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, 1919-33	4.4	13
68	Direct preparation and loading of lipid and polymer vesicles using inkjets. <i>Small</i> , 2005 , 1, 1177-80	11	112
67	Shear thinning and orientational ordering of wormlike micelles. <i>Physical Review Letters</i> , 2005 , 94, 017803	7.4	79
66	Polymer Vesicles 2005 ,		3
65	Molecular exchange through vesicle membranes: a pulsed field gradient nuclear magnetic resonance study. <i>Journal of Chemical Physics</i> , 2004 , 120, 8740-7	3.9	31
64	Poly(styrene sulfonate) self-organization: electrostatic and secondary interactions. <i>Macromolecular Symposia</i> , 2004 , 211, 93-106	0.8	22
63	Nonlinear Osmotic Brush Regime: Experiments, Simulations and Scaling Theory. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 16870-16876	3.4	61
62	Formation of large PEE domains in PEE212-PEO112 diblock copolymer monolayers: shift of the PEO-desorption transition. <i>Langmuir</i> , 2004 , 20, 11528-35	4	6
61	Extending the working range of immunoanalysis by exploitation of two monoclonal antibodies. <i>Journal of Agricultural and Food Chemistry</i> , 2004 , 52, 6394-401	5.7	7
60	CdSe and CdSe/CdS nanorod solids. <i>Journal of the American Chemical Society</i> , 2004 , 126, 12984-8	16.4	267
59	Separation of chlorinated hydrocarbons and organophosphorus, pyrethroid pesticides by silicagel fractionation chromatography and their simultaneous determination by GC-MS. <i>Journal of Environmental Sciences</i> , 2004 , 16, 268-71	6.4	1
58	Vesicles and Liposomes: A Self-Assembly Principle Beyond Lipids. <i>Advanced Materials</i> , 2003 , 15, 1323-1333	3.1	1183
57	Internal Interface of a Compressed PEE/PEO Diblock Copolymer Monolayer. <i>Langmuir</i> , 2003 , 19, 709-716	4	35
56	From self-organizing polymers to nano- and biomaterials. <i>Journal of Materials Chemistry</i> , 2003 , 13, 2671-2688		146
55	Amphiphilic Block Copolymers for Templating Applications. <i>Topics in Current Chemistry</i> , 2003 , 1-28		52
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