

# Nanotechnology with Soft Materials

Angewandte Chemie - International Edition

42, 1692-1712

DOI: [10.1002/anie.200200546](https://doi.org/10.1002/anie.200200546)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Introduction to micro-analytical systems: bioanalytical and pharmaceutical applications. <i>European Journal of Pharmaceutical Sciences</i> , 2003, 20, 149-171.	1.9	137
2	Nanotechnology with Soft Materials. <i>ChemInform</i> , 2003, 34, no.	0.1	1
3	Nanostructure fabrication using block copolymers. <i>Nanotechnology</i> , 2003, 14, R39-R54.	1.3	735
4	Size- and Shape-Controlled Fabrication of Large-Area Periodic Nanopillar Arrays. <i>Chemistry of Materials</i> , 2003, 15, 2917-2920.	3.2	75
5	Nanoorganization of Reactive Mixtures of Mid-Functional Polystyrene with End-Functional Oligomer. <i>Macromolecules</i> , 2003, 36, 8890-8893.	2.2	4
6	Fabrication of Size-Tunable Large-Area Periodic Silicon Nanopillar Arrays with Sub-10-nm Resolution. <i>Journal of Physical Chemistry B</i> , 2003, 107, 9950-9953.	1.2	73
7	Templating the patterning of gold nanoparticles using a stained triblock copolymer film surface. Electronic supplementary information (ESI) available: TEM image of a gold nanoparticle, showing lattice of gold atoms, with corresponding electron diffraction pattern. See <a href="http://www.rsc.org/suppdata/jm/b3/b308479p/">http://www.rsc.org/suppdata/jm/b3/b308479p/</a> . <i>Journal of Materials Chemistry</i> , 2003, 13, 2412.	6.7	25
8	Sub-100 nm Confinement of Magnetic Nanoparticles Using Localized Magnetic Field Gradients. <i>Journal of the American Chemical Society</i> , 2003, 125, 12704-12705.	6.6	62
9	Periodic Mesoporous Dendrisilicas. <i>Science</i> , 2004, 306, 1529-1532.	6.0	129
10	Preparation of Organic/Inorganic Hybrid Hollow Particles Based on Gelation of Polymer Vesicles. <i>Macromolecules</i> , 2004, 37, 5710-5716.	2.2	140
11	Self-assembled polymeric solid films with temperature-induced large and reversible photonic-bandgap switching. <i>Nature Materials</i> , 2004, 3, 872-876.	13.3	219
12	Two-Component Dendritic Gel: Effect of Spacer Chain Length on the Supramolecular Chiral Assembly. <i>Langmuir</i> , 2004, 20, 7070-7077.	1.6	104
13	Smart materials based on self-assembled hydrogen-bonded comb-shaped supramolecules. <i>Chemical Record</i> , 2004, 4, 219-230.	2.9	75
14	Self-Assembly in a Bipolar Phosphocholine-Water System: The Formation of Nanofibers and Hydrogels. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 245-247.	7.2	71
15	Integrated Nanoparticle-Biomolecule Hybrid Systems: Synthesis, Properties, and Applications. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 6042-6108.	7.2	2,320
16	Organic-Inorganic Hybrid Nanoparticles with a Complex Hollow Structure. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 5084-5087.	7.2	161
20	Structure and Dynamics of Self-Assembled Poly(ethylene glycol) Based Coiled-Coil Nano-Objects. <i>ChemPhysChem</i> , 2004, 5, 488-494.	1.0	43
21	Asymmetric ABC-Triblock Copolymer Membranes Induce a Directed Insertion of Membrane Proteins. <i>Macromolecular Bioscience</i> , 2004, 4, 930-935.	2.1	151

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22	Two-Component Dendritic Gel: Effect of Stereochemistry on the Supramolecular Chiral Assembly. <i>Chemistry - A European Journal</i> , 2004, 10, 5901-5910.	1.7	145
23	Self-assembled monolayers of bis(salicylaldiminato)nickel(II) Schiff-base complexes: synthesis and structure. <i>Inorganica Chimica Acta</i> , 2004, 357, 3865-3870.	1.2	8
24	Preparation, Characterization, and Solution Viscosity of Polystyrene-block-polyisoprene Nanofiber Fractions. <i>Langmuir</i> , 2004, 20, 4677-4683.	1.6	34
25	Hierarchical self-assembly in polymeric complexes: Towards functional materials. <i>Chemical Communications</i> , 2004, , 2131.	2.2	389
26	Dendron-grafted sulfur-terminated phenyleneethynylene molecular rods and blue luminescence self-assembly with Au nanoparticles. <i>Chemical Communications</i> , 2004, , 1904-1905.	2.2	10
27	Microstructure and Physical Properties of a pH-Responsive Gel Based on a Novel Biocompatible ABA-Type Triblock Copolymer. <i>Langmuir</i> , 2004, 20, 4306-4309.	1.6	66
28	Direct Thermal Fluorination of Single Wall Carbon Nanohorns. <i>Journal of Physical Chemistry B</i> , 2004, 108, 9614-9618.	1.2	32
29	Self-Organization and Phase Behavior of Hydrogen-Bonded Mixtures of End-Functional Polymer with Surfactant. <i>Macromolecules</i> , 2004, 37, 1152-1155.	2.2	10
30	Novel Molecular Weight and Solvatochromisms in Poly(methyl-3,3,3-trifluoropropylsilane) Induced by Cooperative Through-Space Si $\cdots$ F $\cdots$ C Interactions. <i>Macromolecules</i> , 2004, 37, 5873-5879.	2.2	24
31	Inorganic Nanodots from Thin Films of Block Copolymers. <i>Nano Letters</i> , 2004, 4, 1841-1844.	4.5	113
32	Cooperation of multiple CH $\cdots$ N interactions to stabilize polymers in aromatic nanochannels as indicated by 2D solid state NMR. <i>Chemical Communications</i> , 2004, , 768-769.	2.2	99
33	Synthesis of Polymer Nanospheres and Carbon Nanospheres Using the Monomer 1,8-Dihydroxymethyl-1,3,5,7-octatetrayne. <i>Nano Letters</i> , 2004, 4, 2271-2276.	4.5	42
34	Magnetite-Containing Spherical Silica Nanoparticles for Biocatalysis and Bioseparations. <i>Analytical Chemistry</i> , 2004, 76, 1316-1321.	3.2	487
35	Chiral, single-molecule nanomagnets: synthesis, magnetic characterization and natural and magnetic circular dichroism. <i>Journal of Materials Chemistry</i> , 2004, 14, 2455-2460.	6.7	48
36	Monofunctional Group-Modified Gold Nanoparticles from Solid Phase Synthesis Approach: A Solid Support and Experimental Condition Effect. <i>Chemistry of Materials</i> , 2004, 16, 3746-3755.	3.2	63
37	Morphology Development of Ultrathin Symmetric Diblock Copolymer Film via Solvent Vapor Treatment. <i>Macromolecules</i> , 2004, 37, 7301-7307.	2.2	199
38	Coordination Networks through the Dimensions: A From Discrete Clusters to 1D, 2D, and 3D Silver(I) Coordination Polymers with Rigid Aliphatic Amino Ligands. <i>Inorganic Chemistry</i> , 2004, 43, 4953-4961.	1.9	69
39	Polymeric silver(i) coordination tubes Electronic supplementary information (ESI) available: experimental details. See <a href="http://www.rsc.org/suppdata/cc/b3/b312876h/">http://www.rsc.org/suppdata/cc/b3/b312876h/</a> . <i>Chemical Communications</i> , 2004, , 136.	2.2	42

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41	One-Component Gels Based on Peptidic Dendrimers: Dendritic Effects on Materials Properties. <i>Langmuir</i> , 2004, 20, 6580-6585.	1.6	70
42	Self-assembly of two-component peptidic dendrimers: dendritic effects on gel-phase materials. <i>Organic and Biomolecular Chemistry</i> , 2004, 2, 2965.	1.5	49
43	Determination of the Bioavailability of Biotin Conjugated onto Shell Cross-Linked (SCK) Nanoparticles. <i>Journal of the American Chemical Society</i> , 2004, 126, 6599-6607.	6.6	180
44	Morphological and textural control of spray-dried mesoporous silica-based spheres. <i>Journal of Materials Chemistry</i> , 2004, 14, 2006-2016.	6.7	33
45	Metal Colloid Formation by Calix[4]arene Gallate Ester for Silver-Ion Determination. <i>Bunseki Kagaku</i> , 2005, 54, 527-531.	0.1	1
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47	Toward smart nano-objects by self-assembly of block copolymers in solution. <i>Progress in Polymer Science</i> , 2005, 30, 691-724.	11.8	748
48	Polymer whiskers based on p-mercaptobenzoyl and p-oxybenzoyl blocks. <i>Polymer</i> , 2005, 46, 2191-2200.	1.8	4
49	Synthesis and surface engineering of iron oxide nanoparticles for biomedical applications. <i>Biomaterials</i> , 2005, 26, 3995-4021.	5.7	5,951
50	Control of pore hydrophilicity in ordered nanoporous polystyrene using an AB/AC block copolymer blending strategy. <i>Faraday Discussions</i> , 2005, 128, 149.	1.6	47
51	Synthesis of gold nanoparticles within a supramolecular gel-phase network. <i>Chemical Communications</i> , 2005, , 1971.	2.2	114
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60	Self-Assembly of ZnO Nanorods and Nanosheets into Hollow Microhemispheres and Microspheres. <i>Advanced Materials</i> , 2005, 17, 756-760.	11.1	396

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62	Sterically Mediated Two-Dimensional Architectures in Aggregates of Au Nanoparticles Directed by Phosphorothioate Oligonucleotide-DNA. <i>Advanced Materials</i> , 2005, 17, 2066-2070.	11.1	42
63	Block Copolymer Nanocomposites: Perspectives for Tailored Functional Materials. <i>Advanced Materials</i> , 2005, 17, 1331-1349.	11.1	807
64	Thin Films of Block Copolymers as Planar Optical Waveguides. <i>Advanced Materials</i> , 2005, 17, 2442-2446.	11.1	43
65	Solvent Induced Sphere Development in Symmetric Diblock Copolymer Thin Films. <i>Macromolecular Rapid Communications</i> , 2005, 26, 738-743.	2.0	26
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69	Crystallographically-oriented single-crystalline copper nanowire arrays electrochemically grown into nanoporous anodic alumina templates. <i>Applied Physics A: Materials Science and Processing</i> , 2005, 81, 17-24.	1.1	54
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73	Rheological and mechanical properties of PEO/block copolymer blends. <i>Polymer Engineering and Science</i> , 2005, 45, 1385-1394.	1.5	11
74	Hybrid metal-polymer composites from functional block copolymers. <i>Journal of Polymer Science Part A</i> , 2005, 43, 4323-4336.	2.5	138
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76	Fabrication of Highly-ordered and Densely-spaced Silicon Nano-needle Arrays for Bio-sensing Applications. <i>Materials Research Society Symposia Proceedings</i> , 2005, 900, 1.	0.1	0
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81	Living Radical Polymerization: Controlling Molecular Size and Chemical Functionality in Vinyl Polymers. <i>Journal of Macromolecular Science - Reviews in Macromolecular Chemistry and Physics</i> , 2005, 45, 171-194.	2.2	67
82	Near-infrared-emissive polymersomes: Self-assembled soft matter for in vivo optical imaging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 2922-2927.	3.3	355
83	Adsorption States of Dialkyl Ditelluride Autooxidized Monolayers on Au(111). <i>Langmuir</i> , 2005, 21, 3344-3353.	1.6	22
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92	A Direct Comparison of One- and Two-Component Dendritic Self-Assembled Materials:Â Elucidating Molecular Recognition Pathways. <i>Journal of the American Chemical Society</i> , 2005, 127, 7130-7139.	6.6	93
93	Preparation of Shell Cross-Linked Nano-Objects from Hybrid-Peptide Block Copolymers. <i>Biomacromolecules</i> , 2005, 6, 2213-2220.	2.6	79
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113	An Optical Waveguide Study on the Nanopore Formation in Block Copolymer/Homopolymer Thin Films by Selective Solvent Swelling. <i>Journal of Physical Chemistry B</i> , 2006, 110, 15381-15388.	1.2	35
114	Dendritic supermolecules " towards controllable nanomaterials. <i>Chemical Communications</i> , 2006, , 34-44.	2.2	166

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116	Silver nanowire arrays electrochemically grown into nanoporous anodic alumina templates. <i>Nanotechnology</i> , 2006, 17, 561-570.	1.3	123
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144	Polymeric Sensor Materials: Toward an Alliance of Combinatorial and Rational Design Tools?. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 702-723.	7.2	172
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