Wolfgang P Meier

List of Publications by Year
in descending order

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		31976	29157
171	11,575	53	104
papers	citations	h-index	g-index

175	175	175	9307
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synthesis and characterization of tailorâ€made Nâ€vinylpyrrolidone copolymers and their blend membranes with polyvinyl alcohol for bioethanol dehydration by pervaporation. Journal of Applied Polymer Science, 2022, 139, 51562.	2.6	3
2	Inverting glucuronidation of hymecromone in situ by catalytic nanocompartments. Journal of Materials Chemistry B, 2022, 10, 3916-3926.	5.8	9
3	Tailoring a Solvent-Assisted Method for Solid-Supported Hybrid Lipidâ€“Polymer Membranes. Langmuir, 2022, 38, 6561-6570.	3.5	7
4	Block Lengthâ€Dependent Protein Fouling on Poly(2â€oxazoline)â€Based Polymersomes: Influence on Macrophage Association and Circulation Behavior. Small, 2022, 18, .	10.0	10
5	Multicomponent Copolymer Planar Membranes with Nanoscale Domain Separation. Nano Letters, 2022, 22, 5077-5085.	9.1	5
6	Stabilizing Enzymes within Polymersomes by Coencapsulation of Trehalose. Biomacromolecules, 2021, 22, 134-145.	5.4	20
7	From spherical compartments to polymer films: exploiting vesicle fusion to generate solid supported thin polymer membranes. Nanoscale, 2021, 13, 6944-6952.	5.6	7
8	Fully amorphous atactic and isotactic block copolymers and their self-assembly into nano- and microscopic vesicles. Polymer Chemistry, 2021, 12, 5377-5389.	3.9	5
9	Expanding the Potential of the Solvent-Assisted Method to Create Bio-Interfaces from Amphiphilic Block Copolymers. Biomacromolecules, 2021, 22, 3005-3016.	5.4	8
10	Metal cation responsive anionic microgels: behaviour towards biologically relevant divalent and trivalent ions. Soft Matter, 2021, 17, 715-723.	2.7	5
11	Selfâ€Assembled Polymeric Membranes and Nanoassemblies on Surfaces: Preparation, Characterization, and Current Applications. Macromolecular Bioscience, 2020, 20, e1900257.	4.1	19
12	Bioinspired Molecular Factories with Architecture and In Vivo Functionalities as Cell Mimics. Advanced Science, 2020, 7, 1901923.	11.2	26
13	Synthesis and complex self-assembly of amphiphilic block copolymers with a branched hydrophobic poly(2-oxazoline) into multicompartment micelles, pseudo-vesicles and yolk/shell nanoparticles. Polymer Chemistry, 2020, 11, 1237-1248.	3.9	38
14	Porphyrin Containing Polymersomes with Enhanced ROS Generation Efficiency: In Vitro Evaluation. Macromolecular Bioscience, 2020, 20, e1900291.	4.1	5
15	How Do the Properties of Amphiphilic Polymer Membranes Influence the Functional Insertion of Peptide Pores?. Biomacromolecules, 2020, 21, 701-715.	5.4	32
16	One-Pot Synthesis of an Amphiphilic ABC Triblock Copolymer PEO-b-PEHOx-b-PEtOz and Its Self-Assembly into Nanoscopic Asymmetric Polymersomes. Macromolecules, 2020, 53, 11040-11050.	4.8	15
17	Combinatorial Strategy for Studying Biochemical Pathways in Double Emulsion Templated Cellâ€Sized Compartments. Advanced Materials, 2020, 32, e2004804.	21.0	34
18	Recent Advances in Hybrid Biomimetic Polymer-Based Films: from Assembly to Applications. Polymers, 2020, 12, 1003.	4.5	20

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19	Polymerâ€“Lipid Hybrid Membranes as a Model Platform to Drive Membraneâ€“Cytochrome c Interaction and Peroxidase-like Activity. Journal of Physical Chemistry B, 2020, 124, 4454-4465.	2.6	14
20	Deepening the insight into poly(butylene oxide)-block-poly(glycidol) synthesis and self-assemblies: micelles, worms and vesicles. RSC Advances, 2020, 10, 22701-22711.	3.6	7
21	Updating radical ring-opening polymerisation of cyclic ketene acetals from synthesis to degradation. European Polymer Journal, 2020, 134, 109851.	5.4	25
22	Giant Polymer Compartments for Confined Reactions. Chemistry, 2020, 2, 470-489.	2.2	6
23	Multicompartment Polymer Vesicles with Artificial Organelles for Signalâ€Triggered Cascade Reactions Including Cytoskeleton Formation. Advanced Functional Materials, 2020, 30, 2002949.	14.9	57
24	Decorating Nanostructured Surfaces with Antimicrobial Peptides to Efficiently Fight Bacteria. ACS Applied Bio Materials, 2020, 3, 1533-1543.	4.6	20
25	Mimicking Cellular Signaling Pathways within Synthetic Multicompartment Vesicles with Triggered Enzyme Activity and Induced Ion Channel Recruitment. Advanced Functional Materials, 2019, 29, 1904267.	14.9	58
26	Effect of Divalent Cation on Swelling Behavior of Anionic Microgels: Quantification and Dynamics of Ion Uptake and Release. Langmuir, 2019, 35, 13413-13420.	3.5	3
27	Probing membrane asymmetry of ABC polymersomes. Chemical Communications, 2019, 55, 1148-1151.	4.1	9
28	Directed Insertion of Light-Activated Proteorhodopsin into Asymmetric Polymersomes from an ABC Block Copolymer. Nano Letters, 2019, 19, 2503-2508.	9.1	30
29	Novel monomers in radical ring-opening polymerisation for biodegradable and pH responsive nanoparticles. Polymer Chemistry, 2019, 10, 5285-5288.	3.9	22
30	Polymer membranes as templates for bio-applications ranging from artificial cells to active surfaces. European Polymer Journal, 2019, 112, 346-364.	5.4	38
31	Surfaces with Dual Functionality through Specific Coimmobilization of Self-Assembled Polymeric Nanostructures. Langmuir, 2019, 35, 4557-4565.	3.5	15
32	Revisiting monomer synthesis and radical ring opening polymerization of dimethylated MDO towards biodegradable nanoparticles for enzymes. European Polymer Journal, 2018, 101, 113-119.	5.4	22
33	Synthesis of Linear <scp>ABC</scp> Triblock Copolymers and Their Selfâ€Assembly in Solution. Helvetica Chimica Acta, 2018, 101, e1700287.	1.6	31
34	Porphyrin-polymer nanocompartments: singlet oxygen generation and antimicrobial activity. Journal of Biological Inorganic Chemistry, 2018, 23, 109-122.	2.6	24
35	pH-Triggered Membrane in Pervaporation Process. ACS Omega, 2018, 3, 18950-18957.	3.5	12
36	Self-Assembly of PEO-b-PCL-b-PMOXA Binary Mixtures. Macromolecules, 2018, 51, 9097-9109.	4.8	4

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37	Biomimetic Polymer Architectures. Chimia, 2018, 72, 548-548.	0.6	0
38	Live Follow-Up of Enzymatic Reactions Inside the Cavities of Synthetic Giant Unilamellar Vesicles Equipped with Membrane Proteins Mimicking Cell Architecture. ACS Synthetic Biology, 2018, 7, 2116-2125.	3.8	32
39	Nanosensors based on polymer vesicles and planar membranes: a short review. Journal of Nanobiotechnology, 2018, 16, 63.	9.1	32
40	Challenges in Malaria Management and a Glimpse at Some Nanotechnological Approaches. Advances in Experimental Medicine and Biology, 2018, 1052, 103-112.	1.6	7
41	Biomimetic Planar Polymer Membranes Decorated with Enzymes as Functional Surfaces. Langmuir, 2018, 34, 9015-9024.	3.5	13
42	Optimized reconstitution of membrane proteins into synthetic membranes. Communications Chemistry, 2018, 1, .	4.5	38
43	Biomolecules Turn Self-Assembling Amphiphilic Block Co-polymer Platforms Into Biomimetic Interfaces. Frontiers in Chemistry, 2018, 6, 645.	3.6	45
44	Nanostructured Surfaces through Immobilization of Selfâ€Assembled Polymer Architectures Using Thiolâ€“Ene Chemistry. Macromolecular Materials and Engineering, 2017, 302, 1600363.	3.6	9
45	Strainâ€Promoted Thiolâ€Mediated Cellular Uptake of Giant Substrates: Liposomes and Polymersomes. Angewandte Chemie, 2017, 129, 2993-2996.	2.0	21
46	Strainâ€Promoted Thiolâ€Mediated Cellular Uptake of Giant Substrates: Liposomes and Polymersomes. Angewandte Chemie - International Edition, 2017, 56, 2947-2950.	13.8	69
47	Investigation of Horseradish Peroxidase Kinetics in an â€œOrganelle-Likeâ€•Environment. Small, 2017, 13, 1603943.	10.0	45
48	PEO-b-PCL-b-PMOXA Triblock Copolymers: From Synthesis to Microscale Polymersomes with Asymmetric Membrane. Macromolecules, 2017, 50, 1512-1520.	4.8	39
49	Expanding the potential of MRI contrast agents through multifunctional polymeric nanocarriers. Nanomedicine, 2017, 12, 811-817.	3.3	12
50	Cosolvent fractionation of PMOXA-b-PDMS-b-PMOXA: Bulk separation of triblocks from multiblocks. European Polymer Journal, 2017, 88, 575-585.	5.4	17
51	Biomimetic Strategy To Reversibly Trigger Functionality of Catalytic Nanocompartments by the Insertion of pH-Responsive Biovalves. Nano Letters, 2017, 17, 5790-5798.	9.1	54
52	Complex Self-Assembly Behavior of Bis-hydrophilic PEO-b-PCL-b-PMOXA Triblock Copolymers in Aqueous Solution. Macromolecules, 2017, 50, 7155-7168.	4.8	14
53	Amphiphilic Peptide Self-Assembly: Expansion to Hybrid Materials. Biomacromolecules, 2017, 18, 3471-3480.	5.4	68
54	Vesicles in Multiple Shapes: Fine-Tuning Polymersomesâ€™ Shape and Stability by Setting Membrane Hydrophobicity. Polymers, 2017, 9, 483.	4.5	8

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55	Engineering a Chemical Switch into the Lightâ€driven Proton Pump Proteorhodopsin by Cysteine Mutagenesis and Thiol Modification. Angewandte Chemie, 2016, 128, 8992-8995.	2.0	3
56	PEG Brushes on Porous, PDMS-Coated Surfaces and Their Interaction with Carbon Dioxide. Macromolecular Chemistry and Physics, 2016, 217, 966-973.	2.2	5
57	Engineering a Chemical Switch into the Lightâ€driven Proton Pump Proteorhodopsin by Cysteine Mutagenesis and Thiol Modification. Angewandte Chemie - International Edition, 2016, 55, 8846-8849.	13.8	21
58	'Active Surfaces' as Possible Functional Systems in Detection and Chemical (Bio) Reactivity. Chimia, 2016, 70, 402.	0.6	1
59	Engineered non-toxic cationic nanocarriers with photo-triggered slow-release properties. Polymer Chemistry, 2016, 7, 3451-3464.	3.9	19
60	Asymmetric Triblock Copolymer Nanocarriers for Controlled Localization and pH-Sensitive Release of Proteins. Langmuir, 2016, 32, 10235-10243.	3.5	8
61	Artificial Organelles: Reactions inside Proteinâ€“Polymer Supramolecular Assemblies. Chimia, 2016, 70, 424.	0.6	8
62	DNA-Mediated Self-Organization of Polymeric Nanocompartments Leads to Interconnected Artificial Organelles. Nano Letters, 2016, 16, 7128-7136.	9.1	39
63	Key aspects to yield low dispersity of PEO-b-PCL diblock copolymers and their mesoscale self-assembly. European Polymer Journal, 2016, 83, 300-310.	5.4	19
64	Nanoparticle-based highly sensitive MRI contrast agents with enhanced relaxivity in reductive milieu. Chemical Communications, 2016, 52, 9937-9940.	4.1	9
65	An amphiphilic graft copolymer-based nanoparticle platform for reduction-responsive anticancer and antimalarial drug delivery. Nanoscale, 2016, 8, 14858-14869.	5.6	33
66	Giant Host Red Blood Cell Membrane Mimicking Polymersomes Bind Parasite Proteins and Malaria Parasites. Chimia, 2016, 70, 288.	0.6	9
67	Engineering and Assembly of Protein Modules into Functional Molecular Systems. Chimia, 2016, 70, 398.	0.6	10
68	Interfacing Functional Systems. Chimia, 2016, 70, 418.	0.6	1
69	Bioinspired polymer vesicles and membranes for biological and medical applications. Chemical Society Reviews, 2016, 45, 377-411.	38.1	485
70	Stimuli-Responsive Codelivery of Oligonucleotides and Drugs by Self-Assembled Peptide Nanoparticles. Biomacromolecules, 2016, 17, 935-945.	5.4	38
71	Active surfaces engineered by immobilizing protein-polymer nanoreactors for selectively detecting sugar alcohols. Biomaterials, 2016, 89, 79-88.	11.4	36
72	Analysis of Molecular Parameters Determining the Antimalarial Activity of Polymerâ€Based Nanomimics. Macromolecular Rapid Communications, 2015, 36, 1923-1928.	3.9	13

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73	Dynamics of Membrane Proteins within Synthetic Polymer Membranes with Large Hydrophobic Mismatch. Nano Letters, 2015, 15, 3871-3878.	9.1	93
74	Reduction-Sensitive Amphiphilic Triblock Copolymers Self-Assemble Into Stimuli-Responsive Micelles for Drug Delivery. Macromolecular Bioscience, 2015, 15, 481-489.	4.1	18
75	Hybrid Polymerâ€“Lipid Films as Platforms for Directed Membrane Protein Insertion. Langmuir, 2015, 31, 4868-4877.	3.5	62
76	Biocompatible Polymerâ€“Peptide Hybrid-Based DNA Nanoparticles for Gene Delivery. ACS Applied Materials & Interfaces, 2015, 7, 10446-10456.	8.0	29
77	pH-Triggered Reversible Multiple Proteinâ€“Polymer Conjugation Based on Molecular Recognition. Journal of Physical Chemistry B, 2015, 119, 12066-12073.	2.6	3
78	Nanomimics of Host Cell Membranes Block Invasion and Expose Invasive Malaria Parasites. ACS Nano, 2014, 8, 12560-12571.	14.6	60
79	Molecular Organization and Dynamics in Polymersome Membranes: A Lateral Diffusion Study. Macromolecules, 2014, 47, 7588-7596.	4.8	122
80	pH-Responsive PDMS-b-PDMAEMA Micelles for Intracellular Anticancer Drug Delivery. Biomacromolecules, 2014, 15, 3235-3245.	5.4	88
81	Planar Biomimetic Membranes Based on Amphiphilic Block Copolymers. ACS Macro Letters, 2014, 3, 59-63.	4.8	38
82	Poly(N-vinylpyrrolidone)-Poly(dimethylsiloxane)-Based Polymersome Nanoreactors for Laccase-Catalyzed Biotransformations. Biomacromolecules, 2014, 15, 1469-1475.	5.4	50
83	A general strategy for creating self-defending surfaces for controlled drug production for long periods of time. Journal of Materials Chemistry B, 2014, 2, 4684.	5.8	30
84	â€œActive Surfacesâ€•Formed by Immobilization of Enzymes on Solid-Supported Polymer Membranes. Langmuir, 2014, 30, 11660-11669.	3.5	29
85	Effect of Molecular Parameters on the Architecture and Membrane Properties of 3D Assemblies of Amphiphilic Copolymers. Macromolecules, 2014, 47, 5060-5069.	4.8	40
86	Functional surface engineering by nucleotide-modulated potassium channel insertion into polymer membranes attached to solid supports. Biomaterials, 2014, 35, 7286-7294.	11.4	40
87	Multicompartment micelleâ€structured peptide nanoparticles: A new biocompatible geneâ€•and drugâ€delivery tool. Journal of Biomedical Materials Research - Part A, 2014, 102, 1155-1163.	4.0	6
88	Polymer nanocompartments in broad-spectrum medical applications. Nanomedicine, 2013, 8, 425-447.	3.3	49
89	Polymer nanoreactors shown to produce and release antibiotics locally. Chemical Communications, 2013, 49, 128-130.	4.1	104
90	Photoreaction of a Hydroxyalkyphenone with the Membrane of Polymersomes: A Versatile Method To Generate Semipermeable Nanoreactors. Journal of the American Chemical Society, 2013, 135, 9204-9212.	13.7	113

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91	Self-assembled peptide beads used as a template for ordered gold nanoparticle superstructures. Colloids and Surfaces B: Biointerfaces, 2013, 112, 542-547.	5.0	8
92	Proteinâ€“Polymer Supramolecular Assemblies: A Key Combination for Multifunctionality. Chimia, 2013, 67, 791-795.	0.6	1
93	Fluorescenceâ€Based Assay for the Optimization of the Activity of Artificial Transfer Hydrogenase within a Biocompatible Compartment. ChemCatChem, 2013, 5, 720-723.	3.7	29
94	Natural channel protein inserts and functions in a completely artificial, solid-supported bilayer membrane. Scientific Reports, 2013, 3, 2196.	3.3	46
95	Self-assembled Structures from Amphiphilic Peptides. Chimia, 2013, 67, 881-884.	0.6	8
96	Gas-tight triblock-copolymer membranes are converted to CO2 permeable by insertion of plant aquaporins. Scientific Reports, 2012, 2, 538.	3.3	35
97	High-Density Reconstitution of Functional Water Channels into Vesicular and Planar Block Copolymer Membranes. Journal of the American Chemical Society, 2012, 134, 18631-18637.	13.7	107
98	Specific His₆-tag Attachment to Metal-Functionalized Polymersomes Relies on Molecular Recognition. Journal of Physical Chemistry B, 2012, 116, 10113-10124.	2.6	19
99	Head Group Influence on Lipid Interactions With a Polyhydroxyalkanoate Biopolymer. Macromolecular Chemistry and Physics, 2012, 213, 1922-1932.	2.2	2
100	Mimicking the cell membrane with block copolymer membranes. Journal of Polymer Science Part A, 2012, 50, 2293-2318.	2.3	115
101	Highly Permeable and Selective Poreâ€Spanning Biomimetic Membrane Embedded with Aquaporin Z. Small, 2012, 8, 1185-1190.	10.0	158
102	Highly Permeable and Selective Poreâ€Spanning Biomimetic Membrane Embedded with Aquaporin Z. Small, 2012, 8, 1969-1969.	10.0	6
103	Proteinâ€“polymer nanoreactors for medical applications. Chemical Society Reviews, 2012, 41, 2800-2823.	38.1	158
104	Solution Behavior of Double-Hydrophilic Block Copolymers in Dilute Aqueous Solution. Macromolecules, 2012, 45, 4772-4777.	4.8	62
105	Membrane protein distribution in composite polymerâ€“lipid thin films. Chemical Communications, 2012, 48, 8811.	4.1	26
106	Probing Bioinspired Transport of Nanoparticles into Polymersomes. Angewandte Chemie - International Edition, 2012, 51, 4613-4617.	13.8	45
107	Stimuli-Responsive Polymers and Their Applications in Nanomedicine. Biointerphases, 2012, 7, 9.	1.6	366
108	Solid-supported polymeric membranes. Soft Matter, 2011, 7, 2202-2210.	2.7	26

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109	Preparation and characterization of pore-suspending biomimetic membranes embedded with Aquaporin Z on carboxylated polyethylene glycol polymer cushion. Soft Matter, 2011, 7, 7274.	2.7	89
110	Hierarchical Organization of Purely Peptidic Amphiphiles into Peptide Beads. Journal of Physical Chemistry C, 2011, 115, 14583-14590.	3.1	12
111	Interactions of Biodegradable Poly([R]-3-hydroxy-10-undecenoate) with 1,2-Dioleoyl-sn-glycero-3-phosphocholine Lipid: A Monolayer Study. Langmuir, 2011, 27, 10878-10885.	3.5	17
112	Photoresponsive polymersomes as smart, triggerable nanocarriers. Soft Matter, 2011, 7, 9167.	2.7	128
113	Functionalization of Block Copolymer Vesicle Surfaces. Polymers, 2011, 3, 252-280.	4.5	103
114	From Fibers to Micelles Using Point-Mutated Amphiphilic Peptides. Langmuir, 2011, 27, 4578-4584.	3.5	11
115	Polymeric Vesicles: From Drug Carriers to Nanoreactors and Artificial Organelles. Accounts of Chemical Research, 2011, 44, 1039-1049.	15.6	570
116	Can polymeric vesicles that confine enzymatic reactions act as simplified organelles?. FEBS Letters, 2011, 585, 1699-1706.	2.8	66
117	Biocompatible Functionalization of Polymersome Surfaces: A New Approach to Surface Immobilization and Cell Targeting Using Polymersomes. Journal of the American Chemical Society, 2011, 133, 4476-4483.	13.7	176
118	Exploiting Dimerization of Purely Peptidic Amphiphiles to Form Vesicles. Small, 2011, 7, 2158-2162.	10.0	12
119	Planar Block Copolymer Membranes by Vesicle Spreading. Macromolecular Bioscience, 2011, 11, 514-525.	4.1	40
120	Amphiphilic PEGâ€bâ€PMCLâ€bâ€PDMAEMA Triblock Copolymers: From Synthesis to Physicoâ€Chemistry of Selfâ€Assembled Structures. Macromolecular Chemistry and Physics, 2011, 212, 937-949.	2.2	20
121	Phase Behavior of Vesicleâ€Forming Block Copolymers in Aqueous Solutions. Macromolecular Chemistry and Physics, 2011, 212, 1245-1254.	2.2	18
122	Selective and Responsive Nanoreactors. Advanced Functional Materials, 2011, 21, 1241-1259.	14.9	209
123	Enzymatic Cascade Reactions inside Polymeric Nanocontainers: A Means to Combat Oxidative Stress. Chemistry - A European Journal, 2011, 17, 4552-4560.	3.3	121
124	Poly(ethylene oxide)â€“poly(ethylene imine) block copolymers as templates and catalysts for the in situ formation of monodisperse silica nanospheres. Colloid and Polymer Science, 2010, 288, 1645-1650.	2.1	7
125	Amphiphilic Copolymer Membranes Promote NADH:Ubiquinone Oxidoreductase Activity: Towards an Electronâ€Transfer Nanodevice. Macromolecular Chemistry and Physics, 2010, 211, 229-238.	2.2	63
126	Synthesis of Photocleavable Amphiphilic Block Copolymers: Toward the Design of Photosensitive Nanocarriers. Macromolecular Chemistry and Physics, 2010, 211, 1847-1856.	2.2	103

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127	SOD Antioxidant Nanoreactors: Influence of Block Copolymer Composition on the Nanoreactor Efficiency. Macromolecular Bioscience, 2010, 10, 531-538.	4.1	67
128	Solid Peptide Nanoparticles â€“ Structural Characterization and Quantification of Cargo Encapsulation. Macromolecular Bioscience, 2010, 10, 1406-1415.	4.1	14
129	Efficient Two-Step Synthesis of 11,11â€²-Dithiobis[1-(2-bromo-2-methylpropionyloxy)undecane], a Conventional Initiator for Grafting Polymer Brushes from Gold Surfaces via ATRP. Synthetic Communications, 2010, 40, 3000-3007.	2.1	4
130	Biomimetic supported membranes from amphiphilic block copolymers. Soft Matter, 2010, 6, 179-186.	2.7	61
131	Protein decorated membranes by specific molecular interactions. Soft Matter, 2010, 6, 2815.	2.7	28
132	Reversible peptide particle formation using a mini amino acid sequence. Soft Matter, 2010, 6, 5596.	2.7	22
133	Observing Proteins as Single Molecules Encapsulated in Surfaceâ€Tethered Polymeric Nanocontainers. ChemBioChem, 2009, 10, 702-709.	2.6	37
134	Stimuliâ€Responsive Polymersomes as Nanocarriers for Drug and Gene Delivery. Macromolecular Bioscience, 2009, 9, 129-139.	4.1	418
135	Immobilized Proteinâ€“Polymer Nanoreactors. Small, 2009, 5, 2545-2548.	10.0	89
136	Solidâ€supported amphiphilic triblock copolymer membranes grafted from gold surface. Journal of Polymer Science Part A, 2009, 47, 1-13.	2.3	34
137	Monolayer Interactions between Lipids and Amphiphilic Block Copolymers. Langmuir, 2009, 25, 9847-9856.	3.5	38
138	Triggering Mesophase Order in Melts of Metastable, Ultrathin Diblock Copolymer Films through Microstretching: Effect of Melt Film Thickness. Macromolecules, 2009, 42, 9332-9337.	4.8	3
139	Amphiphilic Diblock Copolymers for Molecular Recognition: Metalâ^'Nitrilotriacetic Acid Functionalized Vesicles. Langmuir, 2009, 25, 1122-1130.	3.5	36
140	Cell-Specific Integration of Artificial Organelles Based on Functionalized Polymer Vesicles. Nano Letters, 2008, 8, 1368-1373.	9.1	133
141	Antioxidant Nanoreactor Based on Superoxide Dismutase Encapsulated in Superoxide-Permeable Vesicles. Journal of Physical Chemistry B, 2008, 112, 8211-8217.	2.6	110
142	Solid-Supported Block Copolymer Membranes through Interfacial Adsorption of Charged Block Copolymer Vesicles. Langmuir, 2008, 24, 6254-6261.	3.5	50
143	Biomimetic Block Copolymer Membranes. Chimia, 2008, 62, 820.	0.6	21
144	Highly permeable polymeric membranes based on the incorporation of the functional water channel protein Aquaporin Z. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 20719-20724.	7.1	645

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145	Functionalization of Gold and Silicon Surfaces by Copolymer Brushes Using Surface-Initiated ATRP. Macromolecular Chemistry and Physics, 2007, 208, 1283-1293.	2.2	28
146	A nanocompartment system (Synthosome) designed for biotechnological applications. Journal of Biotechnology, 2006, 123, 50-59.	3.8	104
147	Phase Behavior of Mixed Langmuir Monolayers from Amphiphilic Block Copolymers and an Antimicrobial Peptide. Langmuir, 2006, 22, 1164-1172.	3.5	55
148	Biomimetic membranes designed from amphiphilic block copolymers. Soft Matter, 2006, 2, 751.	2.7	138
149	Toward Intelligent Nanosize Bioreactors:Â A pH-Switchable, Channel-Equipped, Functional Polymer Nanocontainer. Nano Letters, 2006, 6, 2349-2353.	9.1	231
150	Encapsulation of Fluorescent Molecules by Functionalized Polymeric Nanocontainers:Â Investigation by Confocal Fluorescence Imaging and Fluorescence Correlation Spectroscopy. Journal of the American Chemical Society, 2006, 128, 367-373.	13.7	108
151	Block copolymer vesiclesâ€"using concepts from polymer chemistry to mimic biomembranes. Polymer, 2005, 46, 3540-3563.	3.8	488
152	Cell targeting by a generic receptor-targeted polymer nanocontainer platform. Journal of Controlled Release, 2005, 102, 475-488.	9.9	196
153	Synthesis and Characterization of New Polymer Nanocontainers. Macromolecular Symposia, 2005, 222, 157-162.	0.7	7
154	Polymer Nanocontainers. , 2005, , 168-184.		1
155	Therapeutic Nanoreactors:â€‰ Combining Chemistry and Biology in a Novel Triblock Copolymer Drug Delivery System. Nano Letters, 2005, 5, 2220-2224.	9.1	196
156	Asymmetric Membranes from Amphiphilic ABC Triblock Copolymers. Molecular Crystals and Liquid Crystals, 2004, 417, 185-191.	0.9	13
157	Asymmetric ABC-Triblock Copolymer Membranes Induce a Directed Insertion of Membrane Proteins. Macromolecular Bioscience, 2004, 4, 930-935.	4.1	151
158	Self-assembly of reactive amphiphilic block copolymers as mimetics for biological membranes. Current Opinion in Chemical Biology, 2004, 8, 598-603.	6.1	137
159	Water-in-water mesophases for templating inorganics. Chemical Communications, 2004, , 2170.	4.1	36
160	Virus-assisted loading of polymer nanocontainer. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 5064-5068.	7.1	236
161	Responsive nanocapsules. Chemical Communications, 2001, , 55-56.	4.1	74
162	Ion-carrier controlled precipitation of calcium phosphate in giant ABA triblock copolymer vesicles. Chemical Communications, 2001, , 2452-2453.	4.1	126

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163	Substrate-permeable encapsulation of enzymes maintains effective activity, stabilizes against denaturation, and protects against proteolytic degradation. Biotechnology and Bioengineering, 2001, 75, 615-618.	3.3	71
164	Nanoreactors from Polymer-Stabilized Liposomes. Langmuir, 2001, 17, 919-923.	3.5	128
165	Reconstitution of Channel Proteins in (Polymerized) ABA Triblock Copolymer Membranes. Angewandte Chemie - International Edition, 2000, 39, 4599-4602.	13.8	246
166	Giant Free-Standing ABA Triblock Copolymer Membranes. Langmuir, 2000, 16, 7708-7712.	3.5	142
167	Polymerized ABA Triblock Copolymer Vesicles. Langmuir, 2000, 16, 1035-1041.	3.5	440
168	Nanoreactors based on (polymerized) ABA-triblock copolymer vesicles. Chemical Communications, 2000, , 1433-1434.	4.1	284
169	Vesicle-Templated Polymer Hollow Spheres. Langmuir, 1998, 14, 1031-1036.	3.5	205
170	Colloidal Nanoreactors and Nanocontainers. , 0, , 150-174.		1
171	Block Copolymer Vesicles. , 0, , 39-71.		3