SÃ©bastien Lecommandoux

List of Publications by Year
in descending order

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338 papers	14,970 citations	22548 61 h-index	23841 115 g-index
369 all docs	369 docs citations	369 times ranked	15808 citing authors

#	Article	IF	Citations
1	Toward â€˜smartâ€™ nano-objects by self-assembly of block copolymers in solution. Progress in Polymer Science, 2005, 30, 691-724.	11.8	748
2	Supramolecular Materials via Block Copolymer Self-Assembly. Advanced Materials, 2001, 13, 1217.	11.1	744
3	Reversible Insideâ^'Out Micellization of pH-responsive and Water-Soluble Vesicles Based on Polypeptide Diblock Copolymers. Journal of the American Chemical Society, 2005, 127, 2026-2027.	6.6	656
4	Magnetic responsive polymer composite materials. Chemical Society Reviews, 2013, 42, 7099.	18.7	499
5	Cascade Reactions in Multicompartmentalized Polymersomes. Angewandte Chemie - International Edition, 2014, 53, 146-150.	7.2	463
6	Multicompartmentalized polymeric systems: towards biomimetic cellular structure and function. Chemical Society Reviews, 2013, 42, 512-529.	18.7	445
7	Doxorubicin Loaded Magnetic Polymersomes: Theranostic Nanocarriers for MR Imaging and Magneto-Chemotherapy. ACS Nano, 2011, 5, 1122-1140.	7.3	441
8	Water-Soluble Stimuli-Responsive Vesicles from Peptide-Based Diblock Copolymers. Angewandte Chemie - International Edition, 2002, 41, 1339-1343.	7.2	377
9	A simple method to achieve high doxorubicin loading in biodegradable polymersomes. Journal of Controlled Release, 2010, 147, 428-435.	4.8	317
10	The intracellular drug delivery and anti tumor activity of doxorubicin loaded poly(Î³-benzyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 Td	5.7	310
11	Self-assembly of polypeptide-based block copolymer amphiphiles. Current Opinion in Colloid and Interface Science, 2009, 14, 329-339.	3.4	272
12	Self-Assembly of Peptide-Based Diblock Oligomers. Macromolecules, 2000, 33, 7819-7826.	2.2	269
13	Magnetic field triggered drug release from polymersomes for cancer therapeutics. Journal of Controlled Release, 2013, 169, 165-170.	4.8	267
14	Polysaccharideâ€blockâ€polypeptide Copolymer Vesicles: Towards Synthetic Viral Capsids. Angewandte Chemie - International Edition, 2009, 48, 2572-2575.	7.2	266
15	Biologically Active Polymersomes from Amphiphilic Glycopeptides. Journal of the American Chemical Society, 2012, 134, 119-122.	6.6	222
16	Biomimetic Doxorubicin Loaded Polymersomes from Hyaluronan-block-Poly(Î³-benzyl glutamate) Copolymers. Biomacromolecules, 2009, 10, 2802-2808.	2.6	195
17	Recent trends in the tuning of polymersomesâ€™ membrane properties. European Physical Journal E, 2011, 34, 14.	0.7	195
18	Self-Assembly of Rodâ^'Coil Diblock Oligomers Based on Î±-Helical Peptides. Macromolecules, 2001, 34, 9100-9111.	2.2	193

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19	Hybrid polymer/lipid vesicles: state of the art and future perspectives. Materials Today, 2013, 16, 397-402.	8.3	187
20	A Versatile Synthetic Approach to Polypeptide Based Rodâ^'Coil Block Copolymers by Click Chemistry. Macromolecules, 2007, 40, 5653-5661.	2.2	182
21	Structure of Polypeptide-Based Diblock Copolymers in Solution:Â Stimuli-Responsive Vesicles and Micelles. Langmuir, 2005, 21, 4308-4315.	1.6	178
22	Magnetic Nanocomposite Micelles and Vesicles. Advanced Materials, 2005, 17, 712-718.	11.1	170
23	pH and Temperature Responsive Polymeric Micelles and Polymersomes by Self-Assembly of Poly[2-(dimethylamino)ethyl methacrylate]-b-Poly(glutamic acid) Double Hydrophilic Block Copolymers. Langmuir, 2010, 26, 10546-10554.	1.6	166
24	Biocompatible and Biodegradable Poly(trimethylene carbonate)-b-Poly(<scp>l</scp>-glutamic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.6	162
25	From supramolecular polymersomes to stimuli-responsive nano-capsules based on poly(diene-b-peptide) diblock copolymers. European Physical Journal E, 2003, 10, 25-35.	0.7	153
26	Polysaccharideâ€Containing Block Copolymers: Synthesis, Properties and Applications of an Emerging Family of Glycoconjugates. Macromolecular Rapid Communications, 2010, 31, 1664-1684.	2.0	147
27	Polymersomes in Polymersomes: Multiple Loading and Permeability Control. Angewandte Chemie - International Edition, 2012, 51, 1173-1176.	7.2	139
28	Selfâ€Assembly of Thermally Responsive Amphiphilic Diblock Copolypeptides into Spherical Micellar Nanoparticles. Angewandte Chemie - International Edition, 2010, 49, 4257-4260.	7.2	136
29	Effect of Dense Grafting on the Backbone Conformation of Bottlebrush Polymers:Â Determination of the Persistence Length in Solution. Macromolecules, 2002, 35, 8878-8881.	2.2	133
30	Aqueous Ringâ€Opening Polymerizationâ€Induced Selfâ€Assembly (ROPISA) of Nâ€Carboxyanhydrides. Angewandte Chemie - International Edition, 2020, 59, 622-626.	7.2	129
31	Hybrid polymer/lipid vesicles: fine control of the lipid and polymer distribution in the binary membrane. Soft Matter, 2012, 8, 2867.	1.2	115
32	Solid-State Structure, Organizationand Properties of Peptideâ€"Synthetic Hybrid Block Copolymers. , 0, , 75-111.		108
33	Lipids and polymers in pharmaceutical technology: Lifelong companions. International Journal of Pharmaceutics, 2019, 558, 128-142.	2.6	101
34	Synthesis and Self-Assembly Properties of Peptideâ^'Polylactide Block Copolymers. Macromolecules, 2003, 36, 1118-1124.	2.2	99
35	Mastering a Double Emulsion in a Simple Co-Flow Microfluidic to Generate Complex Polymersomes. Langmuir, 2011, 27, 9034-9042.	1.6	98
36	Thermoresponsive polymer brush-functionalized magnetic manganite nanoparticles for remotely triggered drug release. Polymer Chemistry, 2012, 3, 1408.	1.9	98

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37	Self-assembled nanostructures from peptideâ€“synthetic hybrid block copolymers: Complex, stimuli-responsive rodâ€“coil architectures. Faraday Discussions, 2005, 128, 179-192.	1.6	97
38	Polymersome Shape Transformation at the Nanoscale. ACS Nano, 2013, 7, 9298-9311.	7.3	96
39	pH-responsive micelles and vesicles nanocapsules based on polypeptide diblock copolymers. New Biotechnology, 2007, 24, 81-85.	2.7	93
40	Micelle Density Regulated by a Reversible Switch of Protein Secondary Structure. Journal of the American Chemical Society, 2006, 128, 12014-12019.	6.6	92
41	Synthetic Glycopolypeptides as Biomimetic Analogues of Natural Glycoproteins. Biomacromolecules, 2013, 14, 2973-2983.	2.6	92
42	Micelles and Polymersomes Obtained by Self-Assembly of Dextran and Polystyrene Based Block Copolymers. Biomacromolecules, 2009, 10, 32-40.	2.6	89
43	Synthesis and Self-Assembly in Bulk of Linear and Mikto-Arm Star Block Copolymers Based on Polystyrene and Poly(glutamic acid). Macromolecules, 2008, 41, 1384-1392.	2.2	85
44	Antibodyâ€Functionalized Magnetic Polymersomes: In vivo Targeting and Imaging of Bone Metastases using High Resolution MRI. Advanced Healthcare Materials, 2013, 2, 1420-1424.	3.9	84
45	The in vivo behavior and antitumor activity of doxorubicin-loaded poly(Î³-benzyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 427 Tc Nanomedicine: Nanotechnology, Biology, and Medicine, 2012, 8, 71-80.	1.7	80
46	Preparation of Shell Cross-Linked Nano-Objects from Hybrid-Peptide Block Copolymers. Biomacromolecules, 2005, 6, 2213-2220.	2.6	79
47	Manganite perovskite nanoparticles for self-controlled magnetic fluid hyperthermia: about the suitability of an aqueous combustion synthesis route. Journal of Materials Chemistry, 2011, 21, 4393.	6.7	77
48	Iminosugar-based glycopolypeptides: glycosidase inhibition with bioinspired glycoprotein analogue micellar self-assemblies. Chemical Communications, 2014, 50, 3350-3352.	2.2	75
49	Biodegradable Polycarbonate-b-polypeptide and Polyester-b-polypeptide Block Copolymers: Synthesis and Nanoparticle Formation Towards Biomaterials. Biomacromolecules, 2008, 9, 1924-1933.	2.6	74
50	Controllable Microfluidic Production of Drug-Loaded PLGA Nanoparticles Using Partially Water-Miscible Mixed Solvent Microdroplets as a Precursor. Scientific Reports, 2017, 7, 4794.	1.6	74
51	Polymersome Popping by Lightâ€Induced Osmotic Shock under Temporal, Spatial, and Spectral Control. Angewandte Chemie - International Edition, 2017, 56, 1566-1570.	7.2	71
52	In vitro and In vivo Evaluation of Docetaxel Loaded Biodegradable Polymersomes. Macromolecular Bioscience, 2010, 10, 503-512.	2.1	70
53	Temperature responsive poly(trimethylene carbonate)-block-poly(l-glutamic acid) copolymer: polymersomes fusion and fission. Soft Matter, 2010, 6, 1722.	1.2	70
54	Photo-triggered polymer nanomedicines: From molecular mechanisms to therapeutic applications. Advanced Drug Delivery Reviews, 2019, 138, 148-166.	6.6	69

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55	Thermoresponsive Micelles from Jeffamine-b-poly(<scp>l</scp>-glutamic acid) Double Hydrophilic Block Copolymers. Langmuir, 2007, 23, 11526-11533.	1.6	68
56	Polymersomes in â€œGellyâ€•Polymersomes: Toward Structural Cell Mimicry. Langmuir, 2012, 28, 2035-2043.	1.6	68
57	Smart polymersomes for therapy and diagnosis: fast progress toward multifunctional biomimetic nanomedicines. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2012, 4, 525-546.	3.3	68
58	Synthesis and self-assembly of â€œtree-likeâ€•amphiphilic glycopolypeptides. Chemical Communications, 2012, 48, 8353.	2.2	64
59	Towards an easy access to amphiphilic rod-coil miktoarm star copolymers. Chemical Communications, 2005, , 1993.	2.2	63
60	Enzyme-Degradable Self-Assembled Nanostructures from Polymerâ€“Peptide Hybrids. Biomacromolecules, 2014, 15, 1882-1888.	2.6	63
61	Anti-tumor efficacy of hyaluronan-based nanoparticles for the co-delivery of drugs in lung cancer. Journal of Controlled Release, 2018, 275, 117-128.	4.8	63
62	Block Copolymer Vesicle Permeability Measured by Osmotic Swelling and Shrinking. Langmuir, 2011, 27, 4884-4890.	1.6	61
63	Visualization of lipids and proteins at high spatial and temporal resolution via interferometric scattering (iSCAT) microscopy. Journal Physics D: Applied Physics, 2016, 49, 274002.	1.3	58
64	Hybrid iron oxide-copolymer micelles and vesicles as contrast agents for MRI: impact of the nanostructure on the relaxometric properties. Journal of Materials Chemistry B, 2013, 1, 5317.	2.9	56
65	Synthesis of Block Copolypeptides by Click Chemistry. Macromolecular Rapid Communications, 2008, 29, 1147-1155.	2.0	54
66	Monocorevs.multicore magnetic iron oxide nanoparticles: uptake by glioblastoma cells and efficiency for magnetic hyperthermia. Molecular Systems Design and Engineering, 2017, 2, 629-639.	1.7	54
67	A progesterone biosensor derived from microbial screening. Nature Communications, 2020, 11, 1276.	5.8	53
68	Dynamic Spatial Formation and Distribution of Intrinsically Disordered Protein Droplets in Macromolecularly Crowded Protocells. Angewandte Chemie - International Edition, 2020, 59, 11028-11036.	7.2	53
69	Microphase Separation of Linear and Cyclic Block Copolymers Poly(styrene-b-isoprene):â€‰ SAXS Experiments. Macromolecules, 2004, 37, 1843-1848.	2.2	52
70	Synthesis and self-assembly of polythiophene-based rodâ€“coil and coilâ€“rodâ€“coil block copolymers. Journal of Materials Chemistry, 2005, 15, 3264.	6.7	50
71	Polypeptide Nanoparticles Obtained from Emulsion Polymerization of Amino Acid N-Carboxyanhydrides. Journal of the American Chemical Society, 2019, 141, 12522-12526.	6.6	50
72	Quantitative Side-Chain Modifications of Methionine-Containing Elastin-Like Polypeptides as a Versatile Tool to Tune Their Properties. ACS Macro Letters, 2015, 4, 1283-1286.	2.3	49

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73	Multivalent effect of glycopolypeptide based nanoparticles for galectin binding. Chemical Communications, 2016, 52, 11251-11254.	2.2	49
74	Selective Tuning of Elastin-like Polypeptide Properties via Methionine Oxidation. Biomacromolecules, 2017, 18, 544-550.	2.6	49
75	Small-Angle Neutron Scattering from Diblock Copolymer Poly(styrene-d8)-b-poly(Î³-benzyll-glutamate) Solutions:Â Rodâ^'Coil to Coilâ^'Coil Transition. Macromolecules, 2003, 36, 1253-1256.	2.2	47
76	Controlled Release of Volatile Fragrance Molecules from PEO-b-PPO-b-PEO Block Copolymer Micelles in Ethanolâ^'Water Mixtures. Langmuir, 2010, 26, 7953-7961.	1.6	47
77	Nano-thermometers with thermo-sensitive polymer grafted USPIOs behaving as positive contrast agents in low-field MRI. Nanoscale, 2015, 7, 3754-3767.	2.8	47
78	Liposomes in Polymersomes: Multicompartment System with Temperature-Triggered Release. Langmuir, 2017, 33, 7079-7085.	1.6	47
79	Diblock copolymer stabilization of multi-wall carbon nanotubes in organic solvents and their use in composites. Carbon, 2006, 44, 3207-3212.	5.4	46
80	Crystallisation-driven self-assembly of poly(2-isopropyl-2-oxazoline)-block-poly(2-methyl-2-oxazoline) above the LCST. Soft Matter, 2015, 11, 3354-3359.	1.2	46
81	pH and redox responsive hydrogels and nanogels made from poly(2-ethyl-2-oxazoline). Polymer Chemistry, 2013, 4, 4801.	1.9	45
82	Targeting CD44 receptor-positive lung tumors using polysaccharide-based nanocarriers: Influence of nanoparticle size and administration route. Nanomedicine: Nanotechnology, Biology, and Medicine, 2016, 12, 921-932.	1.7	45
83	Asymmetric Hybrid Polymerâ€“Lipid Giant Vesicles as Cell Membrane Mimics. Advanced Science, 2018, 5, 1700453.	5.6	45
84	Role of Block Copolymer Nanoconstructs in Cancer Therapy. Critical Reviews in Therapeutic Drug Carrier Systems, 2009, 26, 157-205.	1.2	45
85	Smart hybrid magnetic self-assembled micelles and hollow capsules. Progress in Solid State Chemistry, 2006, 34, 171-179.	3.9	44
86	Towards Bioactive Nanovehicles Based on Protein Polymers. Angewandte Chemie - International Edition, 2012, 51, 3060-3062.	7.2	44
87	Design of Polysaccharide-b-Elastin-Like Polypeptide Bioconjugates and Their Thermoresponsive Self-Assembly. Biomacromolecules, 2020, 21, 114-125.	2.6	43
88	Scattering Properties of Rodâ^'Coil and Once-Broken Rod Block Copolymers. Macromolecules, 2001, 34, 4229-4234.	2.2	42
89	Synthesis and self-organization of rod-dendron and dendron-rod-dendron molecules. Journal of Polymer Science Part A, 2003, 41, 3501-3518.	2.5	42
90	X-ray diffraction study of â€˜side-on fixedâ€™ homopolysiloxanes from nematic to smectic C phases. Liquid Crystals, 1995, 19, 581-587.	0.9	41

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91	Macromol. Biosci. 5/2010. Macromolecular Bioscience, 2010, 10, .	2.1	41
92	Water-Soluble Stimuli-Responsive Vesicles from Peptide-Based Diblock Copolymers Financial support by the CNRS, MENRT, DAAD, Fonds der Chemischen Industrie, and the Deutsche Forschungsgemeinschaft (Emmy Noether Programm, KL1049/2) is gratefully acknowledged. S.L. and H.-A.K. are grateful to Dr. R. Borsali and Prof. K. MÃ¼llen, respectively, for their interest and support.. Angewandte Chemie, 2002, 114, 1395.	1.6	40
93	Tuning Thermoresponsive Properties of Cationic Elastin-like Polypeptides by Varying Counterions and Side-Chains. Bioconjugate Chemistry, 2017, 28, 1403-1412.	1.8	40
94	Development of a cell-free and growth factor-free hydrogel capable of inducing angiogenesis and innervation after subcutaneous implantation. Acta Biomaterialia, 2019, 99, 154-167.	4.1	40
95	Cyclic Poly(Î±-peptoid)s by Lithium bis(trimethylsilyl)amide (LiHMDS)-Mediated Ring-Expansion Polymerization: Simple Access to Bioactive Backbones. Journal of the American Chemical Society, 2021, 143, 3697-3702.	6.6	37
96	Synthesis and selfâ€assembly in water of coilâ€rodâ€coil amphiphilic block copolymers with central Ï€â€conjugated sequence. Journal of Polymer Science Part A, 2008, 46, 4602-4616.	2.5	35
97	Experimental and theoretical evaluation of nanodiamonds as pH triggered drug carriers. New Journal of Chemistry, 2012, 36, 1479.	1.4	34
98	Aldehyde-functional copolymers based on poly(2-oxazoline) for post-polymerization modification. European Polymer Journal, 2015, 62, 322-330.	2.6	34
99	Multivalent and multifunctional polysaccharide-based particles for controlled receptor recognition. Scientific Reports, 2018, 8, 14730.	1.6	34
100	Functionalization of Alkyne-Terminated Thermally Hydrocarbonized Porous Silicon Nanoparticles With Targeting Peptides and Antifouling Polymers: Effect on the Human Plasma Protein Adsorption. ACS Applied Materials & Interfaces, 2015, 7, 2006-2015.	4.0	33
101	Structural Evolution of a Stimulus-Responsive Diblock Polypeptide Micelle by Temperature Tunable Compaction of its Core. Macromolecules, 2015, 48, 6617-6627.	2.2	33
102	A physico-chemical investigation of poly(ethylene oxide)-block-poly(l-lysine) copolymer adsorption onto silica nanoparticles. Journal of Colloid and Interface Science, 2011, 359, 413-422.	5.0	32
103	Self-assemblies of magnetic nanoparticles and di-block copolymers: Magnetic micelles and vesicles. Journal of Magnetism and Magnetic Materials, 2006, 300, 71-74.	1.0	31
104	Control of the PEO Chain Conformation on Nanoparticles by Adsorption of PEO-block-Poly(<scp>l</scp>-lysine) Copolymers and Its Significance on Colloidal Stability and Protein Repellency. Langmuir, 2011, 27, 12891-12901.	1.6	31
105	Photosensitizer localization in amphiphilic block copolymers controls photodynamic therapy efficacy. Nanoscale, 2017, 9, 11180-11186.	2.8	30
106	Are nematic side-on polymers totally extended? A SANS study. Liquid Crystals, 1997, 22, 549-555.	0.9	29
107	Toward a new lower limit for the minimum scattering vector on the very small angle neutron scattering spectrometer at Laboratoire LÃ©on Brillouin. Journal of Applied Crystallography, 2008, 41, 161-166.	1.9	29
108	Encapsidation of RNAâ€“Polyelectrolyte Complexes with Amphiphilic Block Copolymers: Toward a New Self-Assembly Route. Journal of the American Chemical Society, 2012, 134, 20189-20196.	6.6	29

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109	Tailored drug-release from multi-functional polymer-peptide hybrid vesicles. European Polymer Journal, 2015, 62, 363-373.	2.6	27
110	Hydrogel-Embedded Quantum Dotâ€“Transcription Factor Sensors for Quantitative Progesterone Detection. ACS Applied Materials & Interfaces, 2020, 12, 43513-43521.	4.0	27
111	Aqueous ROPISA of Î±-amino acid N-carboxyanhydrides: polypeptide block secondary structure controls nanoparticle shape anisotropy. Polymer Chemistry, 2021, 12, 6242-6251.	1.9	27
112	Aqueous Ringâ€Opening Polymerizationâ€Induced Selfâ€Assembly (ROPISA) of Nâ€Carboxyanhydrides. Angewandte Chemie, 2020, 132, 632-636.	1.6	26
113	Self-Assembly of PEG-b-PTMC Copolymers: Micelles and Polymersomes Size Control. Langmuir, 2019, 35, 13364-13374.	1.6	25
114	Production, purification and characterization of an elastin-like polypeptide containing the Ile-Lys-Val-Ala-Val (IKVAV) peptide for tissue engineering applications. Journal of Biotechnology, 2019, 298, 35-44.	1.9	25
115	Side-on fixed polysiloxanes and 'diluted' copolysiloxanes with nematic and smectic C phases. Liquid Crystals, 1998, 25, 85-94.	0.9	24
116	Poly(2-oxazoline)-Based Nanogels as Biocompatible Pseudopolypeptide Nanoparticles. Biomacromolecules, 2015, 16, 183-191.	2.6	24
117	Smart metallopoly(<scp>l</scp>-glutamic acid) polymers: reversible helix-to-coil transition at neutral pH. RSC Advances, 2016, 6, 84694-84697.	1.7	24
118	Characterisation of hydration and nanophase separation during the temperature response in hydrophobic/hydrophilic elastin-like polypeptide (ELP) diblock copolymers. Soft Matter, 2017, 13, 1816-1822.	1.2	24
119	Thermosensitive Vesicles from Chemically Encoded Lipidâ€Grafted Elastinâ€like Polypeptides. Angewandte Chemie - International Edition, 2021, 60, 15036-15040.	7.2	24
120	Smectic C Structure and Backbone Confinement in Side-on Fixed Liquid Crystalline Polymers. Macromolecules, 2000, 33, 67-72.	2.2	23
121	Synthesis and self-assembly of branched glycopolypeptides: effect of topology and conformation. Faraday Discussions, 2013, 166, 137.	1.6	23
122	Thermosensitive polymer-grafted iron oxide nanoparticles studied byin situdynamic light backscattering under magnetic hyperthermia. Journal Physics D: Applied Physics, 2015, 48, 494001.	1.3	23
123	Recombinant production and purification of short hydrophobic Elastin-like polypeptides with low transition temperatures. Protein Expression and Purification, 2016, 121, 81-87.	0.6	23
124	A thioglycerol route to bio-based bis-cyclic carbonates: poly(hydroxyurethane) preparation and post-functionalization. Polymer Chemistry, 2017, 8, 3438-3447.	1.9	23
125	Design and self-assembly of PBLG-b-ELP hybrid diblock copolymers based on synthetic and elastin-like polypeptides. Organic and Biomolecular Chemistry, 2017, 15, 10095-10104.	1.5	23
126	Thermosensitive Hybrid Elastin-like Polypeptide-Based ABC Triblock Hydrogel. Macromolecules, 2021, 54, 327-340.	2.2	23

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127	Synthesis of Calibrated Poly(3,4-ethylenedioxythiophene) Latexes in Aqueous Dispersant Media. Langmuir, 2008, 24, 11911-11920.	1.6	22
128	Depletion induced vesicle-to-micelle transition from self-assembled rodâ€“coil diblock copolymers with spherical magnetic nanoparticles. Soft Matter, 2011, 7, 9744.	1.2	22
129	Droplet Microfluidics to Prepare Magnetic Polymer Vesicles and to Confine the Heat in Magnetic Hyperthermia. IEEE Transactions on Magnetics, 2013, 49, 182-190.	1.2	22
130	Boundary lubricant films under shear: Effect of roughness and adhesion. Journal of Chemical Physics, 2007, 126, 184906.	1.2	21
131	Combining solâ€“gel chemistry and millifluidic toward engineering microporous silica ceramic final sizes and shapes: An Integrative Chemistry approach. Chemical Engineering and Processing: Process Intensification, 2008, 47, 1317-1322.	1.8	21
132	Nano-Encapsulation of Plitidepsin: In Vivo Pharmacokinetics, Biodistribution, and Efficacy in a Renal Xenograft Tumor Model. Pharmaceutical Research, 2014, 31, 983-991.	1.7	21
133	Amphiphilic PEOâ€bâ€PBLG Diblock and PBLGâ€bâ€PEOâ€bâ€PBLG Triblock Copolymer Based Nanoparticles: Doxorubicin Loading and In Vitro Evaluation. Macromolecular Bioscience, 2015, 15, 124-137.	2.1	21
134	Multifunctional Stimuli-Responsive Cellulose Nanocrystals via Dual Surface Modification with Genetically Engineered Elastin-Like Polypeptides and Poly(acrylic acid). ACS Macro Letters, 2018, 7, 646-650.	2.3	21
135	Spatiotemporal Dynamic Assembly/Disassembly of Organelleâ€Mimics Based on Intrinsically Disordered Proteinâ€Polymer Conjugates. Advanced Science, 2021, 8, e2102508.	5.6	21
136	Avidin Localizations in pH-Responsive Polymersomes for Probing the Docking of Biotinylated (Macro)molecules in the Membrane and Lumen. Biomacromolecules, 2020, 21, 5162-5172.	2.6	20
137	Design of Thermoresponsive Elastin-Like Glycopolypeptides for Selective Lectin Binding and Sorting. Biomacromolecules, 2021, 22, 76-85.	2.6	20
138	Responsive micelles and vesicles based on polypeptide diblock copolymers. Polymers for Advanced Technologies, 2006, 17, 782-785.	1.6	19
139	ADMET polymerization of Î±,Ï‰-unsaturated glycolipids: synthesis and physico-chemical properties of the resulting polymers. Polymer Chemistry, 2017, 8, 3731-3739.	1.9	19
140	Nanoparticles based on natural, engineered or synthetic proteins and polypeptides for drug delivery applications. International Journal of Pharmaceutics, 2020, 586, 119537.	2.6	19
141	Dynamic Spatial Formation and Distribution of Intrinsically Disordered Protein Droplets in Macromolecularly Crowded Protocells. Angewandte Chemie, 2020, 132, 11121-11129.	1.6	19
142	Polymersome Popping by Lightâ€Induced Osmotic Shock under Temporal, Spatial, and Spectral Control. Angewandte Chemie, 2017, 129, 1588-1592.	1.6	18
143	Expanding the Toolbox of Chemoselective Modifications of Protein-Like Polymers at Methionine Residues. ACS Macro Letters, 2019, 8, 1648-1653.	2.3	18
144	Self-Assembly of Stimuli-Responsive Biohybrid Synthetic-b-Recombinant Block Copolypeptides. Biomacromolecules, 2019, 20, 254-272.	2.6	17

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145	Synthetic glycopolypeptides: synthesis and self-assembly of poly(Î³-benzyl-<scp>l</scp>-glutamate)-glycosylated dendron hybrids. Polymer Chemistry, 2015, 6, 7902-7912.	1.9	16
146	Versatile design of amphiphilic glycopolypeptides nanoparticles for lectin recognition. Polymer, 2016, 107, 474-484.	1.8	16
147	Preparation and Properties of Asymmetric Synthetic Membranes Based on Lipid and Polymer Self-Assembly. Langmuir, 2018, 34, 3376-3385.	1.6	16
148	Elastin-like Polypeptide-Based Bioink: A Promising Alternative for 3D Bioprinting. Biomacromolecules, 2021, 22, 4956-4966.	2.6	16
149	Synthesis, Characterization, and Biological Interaction of Glyconanoparticles with Controlled Branching. Biomacromolecules, 2015, 16, 284-294.	2.6	15
150	Embedding of superparamagnetic iron oxide nanoparticles into membranes of well-defined poly(ethylene oxide)-block-poly(Îµ-caprolactone) nanoscale magnetovesicles as ultrasensitive MRI probes of membrane bio-degradation. Journal of Materials Chemistry B, 2019, 7, 4692-4705.	2.9	15
151	Synthesis and Self-Assembly of Xylan-Based Amphiphiles: From Bio-Based Vesicles to Antifungal Properties. Biomacromolecules, 2019, 20, 118-129.	2.6	15
152	Tuning Size and Morphology of mPEG-b-p(HPMA-Bz) Copolymer Self-Assemblies Using Microfluidics. Polymers, 2020, 12, 2572.	2.0	15
153	Hyaluronicâ€Acidâ€Presenting Selfâ€Assembled Nanoparticles Transform a Hyaluronidase HYAL1 Substrate into an Efficient and Selective Inhibitor. Angewandte Chemie - International Edition, 2020, 59, 13591-13596.	7.2	15
154	Refining the Design of Diblock Elastin-Like Polypeptides for Self-Assembly into Nanoparticles. Polymers, 2021, 13, 1470.	2.0	15
155	Expression and purification of short hydrophobic elastin-like polypeptides with maltose-binding protein as a solubility tag. Protein Expression and Purification, 2015, 110, 165-171.	0.6	14
156	A versatile and accessible polymer coating for functionalizable zwitterionic quantum dots with high DNA grafting efficiency. Chemical Communications, 2019, 55, 11067-11070.	2.2	14
157	On the physics of block copolymers. Polymer International, 2006, 55, 1161-1168.	1.6	13
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