Jeppe Madsen

List of Publications by Year in descending order

54 papers	3,668 citations	186209 28 h-index	149623 56 g-index
56 all docs	56 docs citations	56 times ranked	4368 citing authors

#	Article	IF	Citations
1	Mechanistic Insights for Block Copolymer Morphologies: How Do Worms Form Vesicles?. Journal of the American Chemical Society, 2011, 133, 16581-16587.	6.6	708
2	A New Class of Biochemically Degradable, Stimulus-Responsive Triblock Copolymer Gelators. Angewandte Chemie - International Edition, 2006, 45, 3510-3513.	7.2	229
3	Controlling Cellular Uptake by Surface Chemistry, Size, and Surface Topology at the Nanoscale. Small, 2009, 5, 2424-2432.	5.2	220
4	Quantitative Evaluation of Mechanosensing of Cells on Dynamically Tunable Hydrogels. Journal of the American Chemical Society, 2011, 133, 1367-1374.	6.6	164
5	Non-cytotoxic polymer vesicles for rapid and efficient intracellular delivery. Faraday Discussions, 2008, 139, 143.	1.6	162
6	Controlling Polymersome Surface Topology at the Nanoscale by Membrane Confined Polymer/Polymer Phase Separation. ACS Nano, 2011, 5, 1775-1784.	7.3	154
7	Biocompatible Wound Dressings Based on Chemically Degradable Triblock Copolymer Hydrogels. Biomacromolecules, 2008, 9, 2265-2275.	2.6	133
8	Polymersome-Mediated Delivery of Combination Anticancer Therapy to Head and Neck Cancer Cells: 2D and 3D in Vitro Evaluation. Molecular Pharmaceutics, 2014, 11, 1176-1188.	2.3	122
9	Nile Blue-Based Nanosized pH Sensors for Simultaneous Far-Red and Near-Infrared Live Bioimaging. Journal of the American Chemical Society, 2013, 135, 14863-14870.	6.6	119
10	LRP-1-mediated intracellular antibody delivery to the Central Nervous System. Scientific Reports, 2015, 5, 11990.	1.6	113
11	Encapsulation of Biomacromolecules within Polymersomes by Electroporation. Angewandte Chemie - International Edition, 2012, 51, 11122-11125.	7.2	101
12	Efficient Encapsulation of Plasmid DNA in pHâ€Sensitive PMPCâ€“PDPA Polymersomes: Study of the Effect of PDPA Block Length on Copolymerâ€“DNA Binding Affinity. Macromolecular Bioscience, 2010, 10, 513-530.	2.1	99
13	Nonâ€Fouling Character of Poly[2â€(methacryloyloxy)ethyl Phosphorylcholine]â€Modified Gold Surfaces Fabricated by the â€˜Grafting toâ€™ Method: Comparison of its Protein Resistance with Poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Ov	2.1	82
14	Enhanced drug delivery to melanoma cells using PMPC-PDPA polymersomes. Cancer Letters, 2013, 334, 328-337.	3.2	81
15	Facile Synthesis of Well-Defined Hydrophilic Methacrylic Macromonomers Using ATRP and Click Chemistry. Macromolecules, 2008, 41, 9542-9547.	2.2	79
16	Preparation and Aqueous Solution Properties of New Thermoresponsive Biocompatible ABA Triblock Copolymer Gelators. Macromolecules, 2006, 39, 7455-7457.	2.2	77
17	Fully synthetic polymer vesicles for intracellular delivery of antibodies in live cells. FASEB Journal, 2013, 27, 98-108.	0.2	67
18	Diffusion Studies of Nanometer Polymersomes Across Tissue Engineered Human Oral Mucosa. Pharmaceutical Research, 2009, 26, 1718-1728.	1.7	66

#	Article	IF	Citations
19	Preparation and Aqueous Solution Properties of Thermoresponsive Biocompatible AB Diblock Copolymers. Biomacromolecules, 2009, 10, 1875-1887.	2.6	62
20	(Meth)acrylic stimulus-responsive block copolymer hydrogels. Soft Matter, 2012, 8, 592-605.	1.2	62
21	Internalization and biodistribution of polymersomes into oral squamous cell carcinoma cells in vitro and in vivo. Nanomedicine, 2010, 5, 1025-1036.	1.7	49
22	Thiol-Functionalized Block Copolymer Vesicles. ACS Macro Letters, 2012, 1, 1041-1045.	2.3	47
23	Lasing and Narrowing of Spontaneous Emission from Responsive Cholesteric Films. Chemistry of Materials, 2004, 16, 1397-1399.	3.2	44
24	Disulfide-Functionalized Diblock Copolymer Worm Gels. Biomacromolecules, 2015, 16, 2514-2521.	2.6	41
25	Frequent mechanical stress suppresses proliferation of mesenchymal stem cells from human bone marrow without loss of multipotency. Scientific Reports, 2016, 6, 24264.	1.6	39
26	Synthesis of Rhodamine 6G-Based Compounds for the ATRP Synthesis of Fluorescently Labeled Biocompatible Polymers. Biomacromolecules, 2011, 12, 2225-2234.	2.6	33
27	One reaction to make highly stretchable or extremely soft silicone elastomers from easily available materials. Nature Communications, 2022, 13, 370.	5.8	33
28	Singleâ€Molecule Encapsulation: A Straightforward Route to Highly Stable and Printable Enzymes. Small, 2016, 12, 1716-1722.	5.2	32
29	Probing the local lipid environment of the cytochrome bc1 and Synechocystis sp. PCC 6803 cytochrome b6f complexes with styrene maleic acid. Biochimica Et Biophysica Acta - Bioenergetics, 2018, 1859, 215-225.	0.5	29
30	Microgel Colloidosomes Based on pH-Responsive Poly(tert-butylaminoethyl methacrylate) Latexes. Langmuir, 2014, 30, 12509-12519.	1.6	27
31	Nanoscale detection of metal-labeled copolymers in patchy polymersomes. Polymer Chemistry, 2015, 6, 2065-2068.	1.9	26
32	Fabrication of microstructured binary polymer brush â€œcorralsâ€•with integral pH sensing for studies of proton transport in model membrane systems. Chemical Science, 2018, 9, 2238-2251.	3.7	26
33	Elastomers without Covalent Cross-Linking: Concatenated Rings Giving Rise to Elasticity. ACS Macro Letters, 2020, 9, 1458-1463.	2.3	26
34	Wet Nanoscale Imaging and Testing of Polymersomes. Small, 2011, 7, 2010-2015.	5.2	25
35	Antimicrobial activity of novel biocompatible wound dressings based on triblock copolymer hydrogels. Journal of Materials Science, 2009, 44, 6233-6246.	1.7	24
36	Highly Anisotropic Glassy Polystyrenes Are Flexible. ACS Macro Letters, 2018, 7, 1126-1130.	2.3	24

#	Article	IF	Citations
37	Translocation of flexible polymersomes across pores at the nanoscale. Biomaterials Science, 2014, 2, 680-692.	2.6	20
38	Micrometre and nanometre scale patterning of binary polymer brushes, supported lipid bilayers and proteins. Chemical Science, 2017, 8, 4517-4526.	3.7	20
39	Enhancing the electro-mechanical properties of polydimethylsiloxane elastomers through blending with poly(dimethylsiloxane-co-methylphenylsiloxane) copolymers. RSC Advances, 2018, 8, 23077-23088.	1.7	17
40	Toward a Design for Flowable and Extensible Ionomers: An Example of Diamine-Neutralized Entangled Poly(styrene-co-4-vinylbenzoic acid) Ionomer Melts. Macromolecules, 2021, 54, 2306-2315.	2.2	15
41	Characterization of Diblock Copolymer Order-Order Transitions in Semidilute Aqueous Solution Using Fluorescence Correlation Spectroscopy. Macromolecular Rapid Communications, 2015, 36, 1572-1577.	2.0	13
42	Live cell tracking of symmetry break in actin cytoskeleton triggered by abrupt changes in micromechanical environments. Biomaterials Science, 2015, 3, 1539-1544.	2.6	13
43	Antimicrobial Graft Copolymer Gels. Biomacromolecules, 2016, 17, 2710-2718.	2.6	13
44	pH-Responsive diblock copolymers with two different fluorescent labels for simultaneous monitoring of micellar self-assembly and degree of protonation. Polymer Chemistry, 2018, 9, 2964-2976.	1.9	13
45	Supercritical fluids applied to the solâ€“gel process for preparation of AEROMOSILS/palladium particle nanocomposite catalyst. Journal of Supercritical Fluids, 2008, 46, 178-184.	1.6	12
46	Influence of salt on the solution dynamics of a phosphorylcholine-based polyzwitterion. European Polymer Journal, 2017, 87, 449-457.	2.6	12
47	Polystyrene Hybrid-Vitrimer Based on the Hemiacetal Ester Exchange Reaction. Macromolecules, 2021, 54, 6772-6779.	2.2	12
48	Fine Adjustment of Interfacial Potential between pH-Responsive Hydrogels and Cell-Sized Particles. Langmuir, 2015, 31, 8689-8696.	1.6	11
49	Hemiacetal Ester Exchanges, Study of Reaction Conditions and Mechanistic Pathway. Reactions, 2020, 1, 89-101.	0.9	9
50	Highly Stretchable Silicone Elastomer Applied in Soft Actuators. Macromolecular Rapid Communications, 2022, 43, e2100732.	2.0	9
51	Improvement of Mechanical Properties of Anisotropic Glassy Polystyrene by Introducing Heat-Labile Reversible Bonds. Macromolecules, 2019, 52, 9261-9271.	2.2	6
52	Novel polyrotaxane cross-linkers as a versatile platform for slide-ring silicone. Bioinspiration and Biomimetics, 2021, 16, 025002.	1.5	6
53	Blob Size Controls Diffusion of Free Polymer in a Chemically Identical Brush in Semidilute Solution. Macromolecules, 2018, 51, 6312-6317.	2.2	5
54	A Synthetic Overview of Preparation Protocols of Nonmetallic, Contactâ€Active Antimicrobial Quaternary Surfaces on Polymer Substrates. Macromolecular Rapid Communications, 2021, 42, 2100437.	2.0	5