Jeppe Madsen

List of Publications by Year
in descending order

54	3,668	186265 28	149698 56
papers	citations	h-index	g-index

56	56	56	4368
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	One reaction to make highly stretchable or extremely soft silicone elastomers from easily available materials. Nature Communications, 2022, 13, 370.	12.8	33
2	Highly Stretchable Silicone Elastomer Applied in Soft Actuators. Macromolecular Rapid Communications, 2022, 43, e2100732.	3.9	9
3	Novel polyrotaxane cross-linkers as a versatile platform for slide-ring silicone. Bioinspiration and Biomimetics, 2021, 16, 025002.	2.9	6
4	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.	4.8	15
5	Polystyrene Hybrid-Vitrimer Based on the Hemiacetal Ester Exchange Reaction. Macromolecules, 2021, 54, 6772-6779.	4.8	12
6	A Synthetic Overview of Preparation Protocols of Nonmetallic, Contactâ€Active Antimicrobial Quaternary Surfaces on Polymer Substrates. Macromolecular Rapid Communications, 2021, 42, 2100437.	3.9	5
7	Elastomers without Covalent Cross-Linking: Concatenated Rings Giving Rise to Elasticity. ACS Macro Letters, 2020, 9, 1458-1463.	4.8	26
8	Hemiacetal Ester Exchanges, Study of Reaction Conditions and Mechanistic Pathway. Reactions, 2020, 1, 89-101.	2.1	9
9	Improvement of Mechanical Properties of Anisotropic Glassy Polystyrene by Introducing Heat-Labile Reversible Bonds. Macromolecules, 2019, 52, 9261-9271.	4.8	6
10	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.	1.0	29
11	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.	7.4	26
12	Highly Anisotropic Glassy Polystyrenes Are Flexible. ACS Macro Letters, 2018, 7, 1126-1130.	4.8	24
13	Enhancing the electro-mechanical properties of polydimethylsiloxane elastomers through blending with poly(dimethylsiloxane-co-methylphenylsiloxane) copolymers. RSC Advances, 2018, 8, 23077-23088.	3.6	17
14	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.	3.9	13
15	Blob Size Controls Diffusion of Free Polymer in a Chemically Identical Brush in Semidilute Solution. Macromolecules, 2018, 51, 6312-6317.	4.8	5
16	Micrometre and nanometre scale patterning of binary polymer brushes, supported lipid bilayers and proteins. Chemical Science, 2017, 8, 4517-4526.	7.4	20
17	Influence of salt on the solution dynamics of a phosphorylcholine-based polyzwitterion. European Polymer Journal, 2017, 87, 449-457.	5.4	12
18	Singleâ€Molecule Encapsulation: A Straightforward Route to Highly Stable and Printable Enzymes. Small, 2016, 12, 1716-1722.	10.0	32

#	Article	IF	Citations
19	Antimicrobial Graft Copolymer Gels. Biomacromolecules, 2016, 17, 2710-2718.	5.4	13
20	Frequent mechanical stress suppresses proliferation of mesenchymal stem cells from human bone marrow without loss of multipotency. Scientific Reports, 2016, 6, 24264.	3.3	39
21	Fine Adjustment of Interfacial Potential between pH-Responsive Hydrogels and Cell-Sized Particles. Langmuir, 2015, 31, 8689-8696.	3.5	11
22	Characterization of Diblock Copolymer Order-Order Transitions in Semidilute Aqueous Solution Using Fluorescence Correlation Spectroscopy. Macromolecular Rapid Communications, 2015, 36, 1572-1577.	3.9	13
23	LRP-1-mediated intracellular antibody delivery to the Central Nervous System. Scientific Reports, 2015, 5, 11990.	3.3	113
24	Nanoscale detection of metal-labeled copolymers in patchy polymersomes. Polymer Chemistry, 2015, 6, 2065-2068.	3.9	26
25	Disulfide-Functionalized Diblock Copolymer Worm Gels. Biomacromolecules, 2015, 16, 2514-2521.	5.4	41
26	Live cell tracking of symmetry break in actin cytoskeleton triggered by abrupt changes in micromechanical environments. Biomaterials Science, 2015, 3, 1539-1544.	5.4	13
27	Microgel Colloidosomes Based on pH-Responsive Poly(tert-butylaminoethyl methacrylate) Latexes. Langmuir, 2014, 30, 12509-12519.	3.5	27
28	Translocation of flexible polymersomes across pores at the nanoscale. Biomaterials Science, 2014, 2, 680-692.	5.4	20
29	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.	4.6	122
30	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.	13.7	119
31	Fully synthetic polymer vesicles for intracellular delivery of antibodies in live cells. FASEB Journal, 2013, 27, 98-108.	0.5	67
32	Enhanced drug delivery to melanoma cells using PMPC-PDPA polymersomes. Cancer Letters, 2013, 334, 328-337.	7.2	81
33	Encapsulation of Biomacromolecules within Polymersomes by Electroporation. Angewandte Chemie - International Edition, 2012, 51, 11122-11125.	13.8	101
34	Thiol-Functionalized Block Copolymer Vesicles. ACS Macro Letters, 2012, 1, 1041-1045.	4.8	47
35	(Meth)acrylic stimulus-responsive block copolymer hydrogels. Soft Matter, 2012, 8, 592-605.	2.7	62
36	Controlling Polymersome Surface Topology at the Nanoscale by Membrane Confined Polymer/Polymer Phase Separation. ACS Nano, 2011, 5, 1775-1784.	14.6	154

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37	Quantitative Evaluation of Mechanosensing of Cells on Dynamically Tunable Hydrogels. Journal of the American Chemical Society, 2011, 133, 1367-1374.	13.7	164
38	Mechanistic Insights for Block Copolymer Morphologies: How Do Worms Form Vesicles?. Journal of the American Chemical Society, 2011, 133, 16581-16587.	13.7	708
39	Synthesis of Rhodamine 6G-Based Compounds for the ATRP Synthesis of Fluorescently Labeled Biocompatible Polymers. Biomacromolecules, 2011, 12, 2225-2234.	5.4	33
40	Wet Nanoscale Imaging and Testing of Polymersomes. Small, 2011, 7, 2010-2015.	10.0	25
41	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.	4.1	99
42	Internalization and biodistribution of polymersomes into oral squamous cell carcinoma cells in vitro and in vivo. Nanomedicine, 2010, 5, 1025-1036.	3.3	49
43	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		
44	Antimicrobial activity of novel biocompatible wound dressings based on triblock copolymer hydrogels. Journal of Materials Science, 2009, 44, 6233-6246.	3.7	24
45	Diffusion Studies of Nanometer Polymersomes Across Tissue Engineered Human Oral Mucosa. Pharmaceutical Research, 2009, 26, 1718-1728.	3.5	66
46	Controlling Cellular Uptake by Surface Chemistry, Size, and Surface Topology at the Nanoscale. Small, 2009, 5, 2424-2432.	10.0	220
47	Preparation and Aqueous Solution Properties of Thermoresponsive Biocompatible AB Diblock Copolymers. Biomacromolecules, 2009, 10, 1875-1887.	5.4	62
48	Supercritical fluids applied to the solâ€“gel process for preparation of AEROMOSILS/palladium particle nanocomposite catalyst. Journal of Supercritical Fluids, 2008, 46, 178-184.	3.2	12
49	Biocompatible Wound Dressings Based on Chemically Degradable Triblock Copolymer Hydrogels. Biomacromolecules, 2008, 9, 2265-2275.	5.4	133
50	Facile Synthesis of Well-Defined Hydrophilic Methacrylic Macromonomers Using ATRP and Click Chemistry. Macromolecules, 2008, 41, 9542-9547.	4.8	79
51	Non-cytotoxic polymer vesicles for rapid and efficient intracellular delivery. Faraday Discussions, 2008, 139, 143.	3.2	162
52	Preparation and Aqueous Solution Properties of New Thermoresponsive Biocompatible ABA Triblock Copolymer Gelators. Macromolecules, 2006, 39, 7455-7457.	4.8	77
53	A New Class of Biochemically Degradable, Stimulus-Responsive Triblock Copolymer Gelators. Angewandte Chemie - International Edition, 2006, 45, 3510-3513.	13.8	229
54	Lasing and Narrowing of Spontaneous Emission from Responsive Cholesteric Films. Chemistry of Materials, 2004, 16, 1397-1399.	6.7	44