

Maren E Buck

List of Publications by Year in descending order

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13
papers

429
citations

1040056

9
h-index

1125743

13
g-index

13
all docs

13
docs citations

13
times ranked

530
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular design of polymer coatings capable of photo-triggered stress relaxation via dynamic covalent bond exchange. <i>Journal of Polymer Science</i> , 2021, 59, 2719-2729.	3.8	5
2	Photomediated post-fabrication modification of azlactone-functionalized gels for the development of hydrogel actuators. <i>Soft Matter</i> , 2020, 16, 6044-6049.	2.7	1
3	Protein-Polymer Conjugates Synthesized Using Water-Soluble Azlactone-Functionalized Polymers Enable Receptor-Specific Cellular Uptake toward Targeted Drug Delivery. <i>Bioconjugate Chemistry</i> , 2019, 30, 1220-1231.	3.6	26
4	Fabrication, chemical modification, and topographical patterning of reactive gels assembled from azlactone-functionalized polymers and a diamine. <i>Journal of Polymer Science Part A</i> , 2017, 55, 3185-3194.	2.3	6
5	Literature-Based Problems for Introductory Organic Chemistry Quizzes and Exams. <i>Journal of Chemical Education</i> , 2016, 93, 886-890.	2.3	10
6	Azlactone-functionalized polymers as reactive platforms for the design of advanced materials: Progress in the last ten years. <i>Polymer Chemistry</i> , 2012, 3, 66-80.	3.9	103
7	Fabrication and Selective Functionalization of Amine-Reactive Polymer Multilayers on Topographically Patterned Microwell Cell Culture Arrays. <i>Biomacromolecules</i> , 2011, 12, 1998-2007.	5.4	46
8	Layer-by-Layer Fabrication of Covalently Crosslinked and Reactive Polymer Multilayers Using Azlactone-Functionalized Copolymers: A Platform for the Design of Functional Biointerfaces. <i>Advanced Engineering Materials</i> , 2011, 13, B343-B352.	3.5	15
9	Functionalization of Fibers Using Azlactone-Containing Polymers: Layer-by-Layer Fabrication of Reactive Thin Films on the Surfaces of Hair and Cellulose-Based Materials. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 1421-1429.	8.0	45
10	Free-Standing and Reactive Thin Films Fabricated by Covalent Layer-by-Layer Assembly and Subsequent Lift-Off of Azlactone-Containing Polymer Multilayers. <i>Langmuir</i> , 2010, 26, 16134-16140.	3.5	36
11	Azlactone-functionalized polymers as reactive templates for parallel polymer synthesis: synthesis and screening of a small library of cationic polymers in the context of DNA delivery. <i>Chemical Communications</i> , 2010, 46, 2016.	4.1	39
12	Nanoimprinted Thin Films of Reactive, Azlactone-Containing Polymers: Combining Methods for the Topographic Patterning of Cell Substrates with Opportunities for Facile Post-Fabrication Chemical Functionalization. <i>Biomacromolecules</i> , 2009, 10, 994-1003.	5.4	22
13	Chemical Modification of Reactive Multilayered Films Fabricated from Poly(2-alkenyl azlactone)s: Design of Surfaces that Prevent or Promote Mammalian Cell Adhesion and Bacterial Biofilm Growth. <i>Biomacromolecules</i> , 2009, 10, 1564-1574.	5.4	75