Maren E Buck

List of Publications by Year
in descending order

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	Azlactone-functionalized polymers as reactive platforms for the design of advanced materials: Progress in the last ten years. Polymer Chemistry, 2012, 3, 66-80.	3.9	103
2	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. Biomacromolecules, 2009, 10, 1564-1574.	5.4	75
3	Fabrication and Selective Functionalization of Amine-Reactive Polymer Multilayers on Topographically Patterned Microwell Cell Culture Arrays. Biomacromolecules, 2011, 12, 1998-2007.	5.4	46
4	Functionalization of Fibers Using Azlactone-Containing Polymers: Layer-by-Layer Fabrication of Reactive Thin Films on the Surfaces of Hair and Cellulose-Based Materials. ACS Applied Materials & Interfaces, 2010, 2, 1421-1429.	8.0	45
5	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. Chemical Communications, 2010, 46, 2016.	4.1	39
6	Free-Standing and Reactive Thin Films Fabricated by Covalent Layer-by-Layer Assembly and Subsequent Lift-Off of Azlactone-Containing Polymer Multilayers. Langmuir, 2010, 26, 16134-16140.	3.5	36
7	Proteinâ€“Polymer Conjugates Synthesized Using Water-Soluble Azlactone-Functionalized Polymers Enable Receptor-Specific Cellular Uptake toward Targeted Drug Delivery. Bioconjugate Chemistry, 2019, 30, 1220-1231.	3.6	26
8	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. Biomacromolecules, 2009, 10, 994-1003.	5.4	22
9	Layerâ€byâ€Layer Fabrication of Covalently Crosslinked and Reactive Polymer Multilayers Using Azlactoneâ€Functionalized Copolymers: A Platform for the Design of Functional Biointerfaces. Advanced Engineering Materials, 2011, 13, B343-B352.	3.5	15
10	Literature-Based Problems for Introductory Organic Chemistry Quizzes and Exams. Journal of Chemical Education, 2016, 93, 886-890.	2.3	10
11	Fabrication, chemical modification, and topographical patterning of reactive gels assembled from azlactoneâ€functionalized polymers and a diamine. Journal of Polymer Science Part A, 2017, 55, 3185-3194.	2.3	6
12	Molecular design of polymer coatings capable of photoâ€triggered stress relaxation via dynamic covalent bond exchange. Journal of Polymer Science, 2021, 59, 2719-2729.	3.8	5
13	Photomediated post-fabrication modification of azlactone-functionalized gels for the development of hydrogel actuators. Soft Matter, 2020, 16, 6044-6049.	2.7	1