

Rachel AuzÃ©ly-Velty

List of Publications by Year in descending order

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23
papers

723
citations

471509

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642732

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1267
citing authors

#	ARTICLE	IF	CITATIONS
1	Readily Prepared Dynamic Hydrogels by Combining Phenyl Boronic Acid and Maltose-Modified Anionic Polysaccharides at Neutral pH. <i>Macromolecular Rapid Communications</i> , 2014, 35, 2089-2095.	3.9	72
2	Modification of polysaccharides via thiol-ene chemistry: A versatile route to functional biomaterials. <i>Journal of Polymer Science Part A</i> , 2012, 50, 4019-4028.	2.3	69
3	Injectable Self-Healing Hydrogels Based on Boronate Ester Formation between Hyaluronic Acid Partners Modified with Benzoxaborin Derivatives and Saccharides. <i>Biomacromolecules</i> , 2020, 21, 230-239.	5.4	67
4	Novel Hyaluronic Acid Based Supramolecular Assemblies Stabilized by Multivalent Specific Interactions: Rheological Behavior in Aqueous Solution. <i>Macromolecules</i> , 2007, 40, 9555-9563.	4.8	55
5	Thermoresponsive hyaluronic acid nanogels as hydrophobic drug carrier to macrophages. <i>Acta Biomaterialia</i> , 2014, 10, 4750-4758.	8.3	50
6	Dihydrocaffeic Acid Prevents UVB-Induced Oxidative Stress Leading to the Inhibition of Apoptosis and MMP-1 Expression via p38 Signaling Pathway. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-14.	4.0	47
7	Photochemical crosslinking of hyaluronic acid confined in nanoemulsions: towards nanogels with a controlled structure. <i>Journal of Materials Chemistry B</i> , 2013, 1, 3369.	5.8	46
8	Coumarin-containing thermoresponsive hyaluronic acid-based nanogels as delivery systems for anticancer chemotherapy. <i>Nanoscale</i> , 2017, 9, 12150-12162.	5.6	35
9	Tunable self-assembled nanogels composed of well-defined thermoresponsive hyaluronic acid-polymer conjugates. <i>Journal of Materials Chemistry B</i> , 2013, 1, 3883.	5.8	31
10	Rheological properties of binary associating polymers. <i>Rheologica Acta</i> , 2007, 46, 541-568.	2.4	28
11	Boronic acid and diol-containing polymers: how to choose the correct couple to form strong hydrogels at physiological pH. <i>Soft Matter</i> , 2020, 16, 3628-3641.	2.7	27
12	Type, Density, and Presentation of Grafted Adhesion Peptides on Polysaccharide-Based Hydrogels Control Preosteoblast Behavior and Differentiation. <i>Biomacromolecules</i> , 2015, 16, 715-722.	5.4	23
13	Catechol-modified hyaluronic acid: in situ-forming hydrogels by auto-oxidation of catechol or photo-oxidation using visible light. <i>Polymer Bulletin</i> , 2017, 74, 4069-4085.	3.3	23
14	Liposome-based nanocarrier loaded with a new quinoxaline derivative for the treatment of cutaneous leishmaniasis. <i>Materials Science and Engineering C</i> , 2020, 110, 110720.	7.3	21
15	Boronate-ester crosslinked hyaluronic acid hydrogels for dihydrocaffeic acid delivery and fibroblasts protection against UVB irradiation. <i>Carbohydrate Polymers</i> , 2020, 247, 116845.	10.2	19
16	Design of Soft Nanocarriers Combining Hyaluronic Acid with Another Functional Polymer for Cancer Therapy and Other Biomedical Applications. <i>Pharmaceutics</i> , 2019, 11, 338.	4.5	18
17	Heparosan as a potential alternative to hyaluronic acid for the design of biopolymer-based nanovectors for anticancer therapy. <i>Biomaterials Science</i> , 2019, 7, 2850-2860.	5.4	18
18	Hydrogel-Colloid Composite Bioinks for Targeted Tissue-Printing. <i>Biomacromolecules</i> , 2020, 21, 2949-2965.	5.4	17

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19	A versatile method for the selective core-crosslinking of hyaluronic acid nanogels <i>via</i> ketone-hydrazide chemistry: from chemical characterization to <i>in vivo</i> biodistribution. <i>Biomaterials Science</i> , 2018, 6, 1754-1763.	5.4	16
20	Self-crosslinking smart hydrogels through direct complexation between benzoxaborole derivatives and diols from hyaluronic acid. <i>Polymer Chemistry</i> , 2020, 11, 3800-3811.	3.9	16
21	Dynamic Covalent Chemistry Enables Reconfigurable All- α -Polysaccharide Nanogels. <i>Macromolecular Rapid Communications</i> , 2020, 41, e2000213.	3.9	12
22	β -CD-Functionalized Microdevice for Rapid Capture and Release of Bacteria. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 13928-13938.	8.0	9
23	Synthesis and magnetic manipulation of hybrid nanobeads based on Fe ₃ O ₄ nanoclusters and hyaluronic acid grafted with an ethylene glycol-based copolymer. <i>Applied Surface Science</i> , 2020, 510, 145354.	6.1	4