

Joe Collins

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

588
citations

759233

12
h-index

940533

16
g-index

17
all docs

17
docs citations

17
times ranked

1077
citing authors

#	ARTICLE	IF	CITATIONS
1	The emergence of oxime click chemistry and its utility in polymer science. <i>Polymer Chemistry</i> , 2016, 7, 3812-3826.	3.9	107
2	Biocompatible near-infrared quantum dots delivered to the skin by microneedle patches record vaccination. <i>Science Translational Medicine</i> , 2019, 11, .	12.4	95
3	Doubly Dynamic Self-Healing Materials Based on Oxime Click Chemistry and Boronic Acids. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1600760.	3.9	80
4	Triggered and Tunable Hydrogen Sulfide Release from Photogenerated Thiobenzaldehydes. <i>Chemistry - A European Journal</i> , 2017, 23, 11294-11300.	3.3	56
5	3D-printing of dynamic self-healing cryogels with tuneable properties. <i>Polymer Chemistry</i> , 2018, 9, 1684-1692.	3.9	55
6	High frequency sonoATRP of 2-hydroxyethyl acrylate in an aqueous medium. <i>Polymer Chemistry</i> , 2018, 9, 2562-2568.	3.9	38
7	Sonochemically Initiated RAFT Polymerization in Organic Solvents. <i>Macromolecules</i> , 2019, 52, 185-195.	4.8	38
8	Tunable degradation of polyethylene glycol-like polymers based on imine and oxime bonds. <i>Journal of Polymer Science Part A</i> , 2017, 55, 3826-3831.	2.3	27
9	Dynamic Covalent Hydrogels for Triggered Cell Capture and Release. <i>Bioconjugate Chemistry</i> , 2017, 28, 2235-2240.	3.6	22
10	A heat-stable microparticle platform for oral micronutrient delivery. <i>Science Translational Medicine</i> , 2019, 11, .	12.4	20
11	Extremely rapid and versatile synthesis of high molecular weight step growth polymers via oxime click chemistry. <i>Polymer Chemistry</i> , 2016, 7, 2581-2588.	3.9	19
12	Parallel evolution of polymer chemistry and immunology: Integrating mechanistic biology with materials design. <i>Advanced Drug Delivery Reviews</i> , 2020, 156, 65-79.	13.7	15
13	Self-deoxygenating glassware. <i>Chemical Communications</i> , 2019, 55, 8544-8547.	4.1	7
14	A Scalable and Versatile Synthesis of Oxime-Based Hormone Dimers and Gels for Sustained Release. <i>Chemistry - an Asian Journal</i> , 2017, 12, 1456-1460.	3.3	6
15	Spatial control of flocculation via light. <i>Journal of Polymer Science Part A</i> , 2016, 54, 3407-3410.	2.3	2
16	CHAPTER 13. New Approaches Towards the Design of Tough Amphiphilic Polymeric Co-networks. <i>RSC Polymer Chemistry Series</i> , 2020, , 277-308.	0.2	1