

Xiaochu Ding

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,045
citations

623188

14
h-index

552369

26
g-index

26
all docs

26
docs citations

26
times ranked

1940
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical and physical aspects of self-healing materials. <i>Progress in Polymer Science</i> , 2015, 49-50, 34-59.	11.8	375
2	Recent Developments in Molecularly Imprinted Nanoparticles by Surface Imprinting Techniques. <i>Macromolecular Materials and Engineering</i> , 2014, 299, 268-282.	1.7	114
3	Weak bond-based injectable and stimuli responsive hydrogels for biomedical applications. <i>Journal of Materials Chemistry B</i> , 2017, 5, 887-906.	2.9	90
4	Nitro-Group Functionalization of Dopamine and its Contribution to the Viscoelastic Properties of Catechol-Containing Nanocomposite Hydrogels. <i>Macromolecular Chemistry and Physics</i> , 2015, 216, 1109-1119.	1.1	50
5	Localized Multi-Component Delivery Platform Generates Local and Systemic Anti-Tumor Immunity. <i>Advanced Functional Materials</i> , 2017, 27, 1604366.	7.8	40
6	Slow degrading poly(glycerol sebacate) derivatives improve vascular graft remodeling in a rat carotid artery interposition model. <i>Biomaterials</i> , 2020, 257, 120251.	5.7	39
7	A shear-thinning hydrogel that extends in-vivo bioactivity of FGF2. <i>Biomaterials</i> , 2016, 111, 80-89.	5.7	37
8	Efficient one-pot synthesis and loading of self-assembled amphiphilic chitosan nanoparticles for low-leaching wood preservation. <i>Carbohydrate Polymers</i> , 2011, 86, 58-64.	5.1	36
9	A biodegradable synthetic graft for small arteries matches the performance of autologous vein in rat carotid arteries. <i>Biomaterials</i> , 2018, 181, 67-80.	5.7	35
10	Dual physical dynamic bond-based injectable and biodegradable hydrogel for tissue regeneration. <i>Journal of Materials Chemistry B</i> , 2016, 4, 1175-1185.	2.9	34
11	Chelation Crosslinking of Biodegradable Elastomers. <i>Advanced Materials</i> , 2020, 32, e2003761.	11.1	32
12	Control the Mechanical Properties and Degradation of Poly(Glycerol Sebacate) by Substitution of the Hydroxyl Groups with Palmitates. <i>Macromolecular Bioscience</i> , 2020, 20, e2000101.	2.1	25
13	Tyramine functionalization of poly(glycerol sebacate) increases the elasticity of the polymer. <i>Journal of Materials Chemistry B</i> , 2017, 5, 6097-6109.	2.9	24
14	Three-Dimensional Printing of Poly(glycerol sebacate) Acrylate Scaffolds via Digital Light Processing. <i>ACS Applied Bio Materials</i> , 2020, 3, 7575-7588.	2.3	24
15	Comparing Leaching of Different Copper Oxide Nanoparticles and Ammoniacal Copper Salt from Wood. <i>Macromolecular Materials and Engineering</i> , 2013, 298, 1335-1343.	1.7	14
16	Imidazoquinoline-Conjugated Degradable Coacervate Conjugate for Local Cancer Immunotherapy. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 4993-5000.	2.6	13
17	Peptide-Directed Self-Assembly of Functionalized Polymeric Nanoparticles Part I: Design and Self-Assembly of Peptide-Copolymer Conjugates into Nanoparticle Fibers and 3D Scaffolds. <i>Macromolecular Bioscience</i> , 2014, 14, 853-871.	2.1	11
18	Citrate Crosslinked Poly(Glycerol Sebacate) with Tunable Elastomeric Properties. <i>Macromolecular Bioscience</i> , 2021, 21, e2000301.	2.1	10

#	ARTICLE	IF	CITATIONS
19	A biocompatible betaine-functionalized polycation for coacervation. <i>Soft Matter</i> , 2018, 14, 387-395.	1.2	9
20	Peptide-Directed Self-Assembly of Functionalized Polymeric Nanoparticles. Part II: Effects of Nanoparticle Composition on Assembly Behavior and Multiple Drug Loading Ability. <i>Macromolecular Bioscience</i> , 2015, 15, 568-582.	2.1	8
21	End group polarity and block symmetry effects on cloud point and hydrodynamic diameter of thermoresponsive block copolymers. <i>Journal of Polymer Science Part A</i> , 2015, 53, 2838-2848.	2.5	7
22	Azido-Functionalized Polyurethane Designed for Making Tunable Elastomers by Click Chemistry. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 852-864.	2.6	5
23	Scale-up synthesis of a polymer designed for protein therapy. <i>European Polymer Journal</i> , 2019, 117, 353-362.	2.6	4
24	Using Solution Electrowriting to Control the Properties of Tubular Fibrous Conduits. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 400-407.	2.6	4
25	Fabrication and electrochemical performance of nanofibrous micro-frameworks of $\hat{I}\pm\text{-MnO}_2$. <i>Particuology</i> , 2014, 17, 54-58.	2.0	3
26	Synthesis and Characterization of Alkyne-Functionalized Photo-Cross-Linkable Polyesters. <i>ACS Omega</i> , 2022, 7, 15540-15546.	1.6	2