Xiayi Xu

List of Publications by Year
in descending order

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14 papers	994 citations	759233 12 h-index	1058476 14 g-index
14 all docs	14 docs citations	14 times ranked	1244 citing authors

#	Article	IF	Citations
1	Adhesive Hemostatic Hydrogel with Ultrafast Gelation Arrests Acute Upper Gastrointestinal Hemorrhage in Pigs. Advanced Functional Materials, 2022, 32, .	14.9	48
2	Ultrafast self-gelling powder mediates robust wet adhesion to promote healing of gastrointestinal perforations. Science Advances, 2021, 7, .	10.3	118
3	Ultrafast Selfâ€Gelling and Wet Adhesive Powder for Acute Hemostasis and Wound Healing. Advanced Functional Materials, 2021, 31, 2102583.	14.9	146
4	Enhanced mechanosensing of cells in synthetic 3D matrix with controlled biophysical dynamics. Nature Communications, 2021, 12, 3514.	12.8	92
5	Nanoparticleâ€Assembled Vacuolated Coacervates Control Macromolecule Spatiotemporal Distribution to Provide a Stable Segregated Cell Microenvironment. Advanced Materials, 2021, 33, 2007209.	21.0	9
6	Nanoparticle-assembled bioadhesive coacervate coating with prolonged gastrointestinal retention for inflammatory bowel disease therapy. Nature Communications, 2021, 12, 7162.	12.8	70
7	Bioadhesive hydrogels demonstrating pH-independent and ultrafast gelation promote gastric ulcer healing in pigs. Science Translational Medicine, 2020, 12, .	12.4	147
8	Effective Phototheranostics of Brain Tumor Assisted by Near-Infrared-II Light-Responsive Semiconducting Polymer Nanoparticles. ACS Applied Materials & Interfaces, 2020, 12, 33492-33499.	8.0	100
9	Efficient catechol functionalization of biopolymeric hydrogels for effective multiscale bioadhesion. Materials Science and Engineering C, 2019, 103, 109835.	7.3	34
10	Facile methacrylation of cellulose via alkaline aqueous esterification for thiolâ€“ene click functionalization. Materials Letters, 2019, 245, 18-21.	2.6	8
11	Citrate-based fluorophores in polymeric matrix by easy and green in situ synthesis for full-band UV shielding and emissive transparent display. Journal of Materials Science, 2019, 54, 1236-1247.	3.7	13
12	An In Situ Reversible Heterodimeric Nanoswitch Controlled by Metalâ€Ionâ€“Ligand Coordination Regulates the Mechanosensing and Differentiation of Stem Cells. Advanced Materials, 2018, 30, e1803591.	21.0	44
13	Citric Acid/Cysteine-Modified Cellulose-Based Materials: Green Preparation and Their Applications in Anticounterfeiting, Chemical Sensing, and UV Shielding. ACS Sustainable Chemistry and Engineering, 2017, 5, 11387-11394.	6.7	55
14	Selfâ€Assembled Injectable Nanocomposite Hydrogels Stabilized by Bisphosphonateâ€Magnesium (Mg²⁺) Coordination Regulates the Differentiation of Encapsulated Stem Cells via Dual Crosslinking. Advanced Functional Materials, 2017, 27, 1701642.	14.9	110