

Yinyu Zhang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

17
papers

1,981
citations

15
h-index

17
g-index

17
ext. papers

2,292
ext. citations

10.3
avg, IF

5.12
L-index

#	Paper	IF	Citations
17	Paintable and Rapidly Bondable Conductive Hydrogels as Therapeutic Cardiac Patches. <i>Advanced Materials</i> , 2018 , 30, e1704235	24	198
16	Direct 3D Printing of High Strength Biohybrid Gradient Hydrogel Scaffolds for Efficient Repair of Osteochondral Defect. <i>Advanced Functional Materials</i> , 2018 , 28, 1706644	15.6	159
15	Radiopaque Highly Stiff and Tough Shape Memory Hydrogel Microcoils for Permanent Embolization of Arteries. <i>Advanced Functional Materials</i> , 2018 , 28, 1705962	15.6	71
14	A pH-Responsive Biodegradable High-Strength Hydrogel as Potential Gastric Resident Filler. <i>Macromolecular Materials and Engineering</i> , 2018 , 303, 1800290	3.9	14
13	A high strength pH responsive supramolecular copolymer hydrogel. <i>Science China Technological Sciences</i> , 2017 , 60, 78-83	3.5	19
12	A High Strength Self-Healable Antibacterial and Anti-Inflammatory Supramolecular Polymer Hydrogel. <i>Macromolecular Rapid Communications</i> , 2017 , 38, 1600695	4.8	48
11	Bioinspired fabrication of high strength hydrogels from non-covalent interactions. <i>Progress in Polymer Science</i> , 2017 , 71, 1-25	29.6	269
10	3D-Printed High Strength Bioactive Supramolecular Polymer/Clay Nanocomposite Hydrogel Scaffold for Bone Regeneration. <i>ACS Biomaterials Science and Engineering</i> , 2017 , 3, 1109-1118	5.5	133
9	Methyl matters: An autonomic rapid self-healing supramolecular poly(N-methacryloyl glycinamide) hydrogel. <i>Polymer</i> , 2017 , 126, 1-8	3.9	28
8	Sea Cucumber-Inspired Autolytic Hydrogels Exhibiting Tunable High Mechanical Performances, Repairability, and Reusability. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 8956-66	9.5	78
7	Hydrogen bonded and ionically crosslinked high strength hydrogels exhibiting Ca-triggered shape memory properties and volume shrinkage for cell detachment. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 6347-6354	7.3	51
6	A Mechanically Strong, Highly Stable, Thermoplastic, and Self-Healable Supramolecular Polymer Hydrogel. <i>Advanced Materials</i> , 2015 , 27, 3566-71	24	542
5	Hydrogen-Bonding Toughened Hydrogels and Emerging CO ₂ -Responsive Shape Memory Effect. <i>Macromolecular Rapid Communications</i> , 2015 , 36, 1585-91	4.8	50
4	Photoactive Self-Shaping Hydrogels as Noncontact 3D Macro/Microscopic Photoprinting Platforms. <i>Macromolecular Rapid Communications</i> , 2015 , 36, 2129-36	4.8	16
3	The Unusual Mechanical Evolution of Biodegradable Double Hydrogen Bonding Strengthened Hydrogels in Response to pH Change. <i>Macromolecular Chemistry and Physics</i> , 2015 , 216, 164-171	2.6	11
2	Dipole-Dipole and H-Bonding Interactions Significantly Enhance the Multifaceted Mechanical Properties of Thermoresponsive Shape Memory Hydrogels. <i>Advanced Functional Materials</i> , 2015 , 25, 471-480	15.6	242
1	High-strength photoresponsive hydrogels enable surface-mediated gene delivery and light-induced reversible cell adhesion/detachment. <i>Langmuir</i> , 2014 , 30, 11823-32	4	52

