Yinyu Zhang

List of Publications by Citations

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	A Mechanically Strong, Highly Stable, Thermoplastic, and Self-Healable Supramolecular Polymer Hydrogel. *Advanced Materials*, **2015**, 27, 3566-71	24	542
16	Bioinspired fabrication of high strength hydrogels from non-covalent interactions. *Progress in Polymer Science*, **2017**, 71, 1-25	29.6	269
15	DipoleDipole and H-Bonding Interactions Significantly Enhance the Multifaceted Mechanical Properties of Thermoresponsive Shape Memory Hydrogels. *Advanced Functional Materials*, **2015**, 25, 471-480	15.6	242
14	Paintable and Rapidly Bondable Conductive Hydrogels as Therapeutic Cardiac Patches. *Advanced Materials*, **2018**, 30, e1704235	24	198
13	Direct 3D Printing of High Strength Biohybrid Gradient Hydrogel Scaffolds for Efficient Repair of Osteochondral Defect. *Advanced Functional Materials*, **2018**, 28, 1706644	15.6	159
12	3D-Printed High Strength Bioactive Supramolecular Polymer/Clay Nanocomposite Hydrogel Scaffold for Bone Regeneration. *ACS Biomaterials Science and Engineering*, **2017**, 3, 1109-1118	5.5	133
11	Sea Cucumber-Inspired Autolytic Hydrogels Exhibiting Tunable High Mechanical Performances, Repairability, and Reusability. *ACS Applied Materials & Interfaces*, **2016**, 8, 8956-66	9.5	78
10	Radiopaque Highly Stiff and Tough Shape Memory Hydrogel Microcoils for Permanent Embolization of Arteries. *Advanced Functional Materials*, **2018**, 28, 1705962	15.6	71
9	High-strength photoresponsive hydrogels enable surface-mediated gene delivery and light-induced reversible cell adhesion/detachment. *Langmuir*, **2014**, 30, 11823-32	4	52
8	Hydrogen bonded and ionically crosslinked high strength hydrogels exhibiting Ca-triggered shape memory properties and volume shrinkage for cell detachment. *Journal of Materials Chemistry B*, **2015**, 3, 6347-6354	7.3	51
7	Hydrogen-Bonding Toughened Hydrogels and Emerging CO2-Responsive Shape Memory Effect. *Macromolecular Rapid Communications*, **2015**, 36, 1585-91	4.8	50
6	A High Strength Self-Healable Antibacterial and Anti-Inflammatory Supramolecular Polymer Hydrogel. *Macromolecular Rapid Communications*, **2017**, 38, 1600695	4.8	48
5	Methyl matters: An autonomic rapid self-healing supramolecular poly(N-methacryloyl glycinamide) hydrogel. *Polymer*, **2017**, 126, 1-8	3.9	28
4	A high strength pH responsive supramolecular copolymer hydrogel. *Science China Technological Sciences*, **2017**, 60, 78-83	3.5	19
3	Photoactive Self-Shaping Hydrogels as Noncontact 3D Macro/Microscopic Photoprinting Platforms. *Macromolecular Rapid Communications*, **2015**, 36, 2129-36	4.8	16
2	A pH-Responsive Biodegradable High-Strength Hydrogel as Potential Gastric Resident Filler. *Macromolecular Materials and Engineering*, **2018**, 303, 1800290	3.9	14
1	The Unusual Mechanical Evolution of Biodegradable Double Hydrogen Bonding Strengthened Hydrogels in Response to pH Change. *Macromolecular Chemistry and Physics*, **2015**, 216, 164-171	2.6	11