

Yinyu Zhang

List of Publications by Year in descending order

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17
papers

2,666
citations

516561

16
h-index

887953

17
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docs citations

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times ranked

3885
citing authors

#	ARTICLE	IF	CITATIONS
1	A Mechanically Strong, Highly Stable, Thermoplastic, and Self-Healable Supramolecular Polymer Hydrogel. <i>Advanced Materials</i> , 2015, 27, 3566-3571.	11.1	684
2	Bioinspired fabrication of high strength hydrogels from non-covalent interactions. <i>Progress in Polymer Science</i> , 2017, 71, 1-25.	11.8	379
3	Paintable and Rapidly Bondable Conductive Hydrogels as Therapeutic Cardiac Patches. <i>Advanced Materials</i> , 2018, 30, e1704235.	11.1	329
4	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.	7.8	296
5	Direct 3D Printing of High Strength Biohybrid Gradient Hydrogel Scaffolds for Efficient Repair of Osteochondral Defect. <i>Advanced Functional Materials</i> , 2018, 28, 1706644.	7.8	243
6	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.	2.6	187
7	Radiopaque Highly Stiff and Tough Shape Memory Hydrogel Microcoils for Permanent Embolization of Arteries. <i>Advanced Functional Materials</i> , 2018, 28, 1705962.	7.8	107
8	Sea Cucumber-Inspired Autolytic Hydrogels Exhibiting Tunable High Mechanical Performances, Repairability, and Reusability. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 8956-8966.	4.0	100
9	A High Strength Self-Healable Antibacterial and Anti-Inflammatory Supramolecular Polymer Hydrogel. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1600695.	2.0	62
10	Hydrogen bonded and ionically crosslinked high strength hydrogels exhibiting Ca ²⁺ -triggered shape memory properties and volume shrinkage for cell detachment. <i>Journal of Materials Chemistry B</i> , 2015, 3, 6347-6354.	2.9	61
11	High-Strength Photoresponsive Hydrogels Enable Surface-Mediated Gene Delivery and Light-Induced Reversible Cell Adhesion/Detachment. <i>Langmuir</i> , 2014, 30, 11823-11832.	1.6	58
12	Hydrogen-Bonding Toughened Hydrogels and Emerging CO ₂ -Responsive Shape Memory Effect. <i>Macromolecular Rapid Communications</i> , 2015, 36, 1585-1591.	2.0	55
13	Methyl matters: An autonomic rapid self-healing supramolecular poly(N-methacryloyl glycinamide) hydrogel. <i>Polymer</i> , 2017, 126, 1-8.	1.8	36
14	A high strength pH responsive supramolecular copolymer hydrogel. <i>Science China Technological Sciences</i> , 2017, 60, 78-83.	2.0	21
15	A pH-Responsive Biodegradable High-Strength Hydrogel as Potential Gastric Resident Filler. <i>Macromolecular Materials and Engineering</i> , 2018, 303, 1800290.	1.7	19
16	Photoactive Self-Shaping Hydrogels as Noncontact 3D Macro/Microscopic Photoprinting Platforms. <i>Macromolecular Rapid Communications</i> , 2015, 36, 2129-2136.	2.0	17
17	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.	1.1	12