

Weiwei Zhao

List of Publications by Year in descending order

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16
papers

771
citations

840585

11
h-index

996849

15
g-index

16
all docs

16
docs citations

16
times ranked

1047
citing authors

#	ARTICLE	IF	CITATIONS
1	Programmable Anisotropic Hydrogel Composites for Soft Bioelectronics. <i>Macromolecular Bioscience</i> , 2022, , 2100467.	2.1	1
2	In Situ Synthesized Selenium Nanoparticlesâ€Decorated Bacterial Cellulose/Gelatin Hydrogel with Enhanced Antibacterial, Antioxidant, and Antiâ€Inflammatory Capabilities for Facilitating Skin Wound Healing. <i>Advanced Healthcare Materials</i> , 2021, 10, e2100402.	3.9	149
3	A novel insect-inspired â€clickingâ€™™ dielectric elastomer oscillator for soft robotics. , 2021, , .		0
4	Mechanical characteristics of tunable uniaxial aligned carbon nanotubes induced by robotic extrusion technique for hydrogel nanocomposite. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020, 129, 105707.	3.8	13
5	Superhydrophobic Liquidâ€Solid Contact Triboelectric Nanogenerator as a Droplet Sensor for Biomedical Applications. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 40021-40030.	4.0	79
6	Biodegradable and Electroactive Regenerated Bacterial Cellulose/MXene (Ti₃C₂T_x) Composite Hydrogel as Wound Dressing for Accelerating Skin Wound Healing under Electrical Stimulation. <i>Advanced Healthcare Materials</i> , 2020, 9, e2000872.	3.9	184
7	Printed hydrogel nanocomposites: fine-tuning nanostructure for anisotropic mechanical and conductive properties. <i>Advanced Composites and Hybrid Materials</i> , 2020, 3, 315-324.	9.9	44
8	Characterization and Optimization of Elastomeric Electrodes for Dielectric Elastomer Artificial Muscles. <i>Materials</i> , 2020, 13, 5542.	1.3	4
9	Multifunctional piezoelectric elastomer composites for smart biomedical or wearable electronics. <i>Composites Part B: Engineering</i> , 2019, 160, 595-604.	5.9	29
10	Understanding piezoelectric characteristics of PHEMA-based hydrogel nanocomposites as soft self-powered electronics. <i>Advanced Composites and Hybrid Materials</i> , 2018, 1, 320-331.	9.9	34
11	Understanding mechanical characteristics of cellulose nanocrystals reinforced PHEMA nanocomposite hydrogel: in aqueous cyclic test. <i>Cellulose</i> , 2017, 24, 2095-2110.	2.4	31
12	Self-powered hydrogels induced by ion transport. <i>Nanoscale</i> , 2017, 9, 17080-17090.	2.8	17
13	Versatile fabrication of vascularizable scaffolds for large tissue engineering in bioreactor. <i>Biomaterials</i> , 2015, 45, 124-131.	5.7	112
14	Microstructural and mechanical characteristics of PHEMA-based nanofibre-reinforced hydrogel under compression. <i>Composites Part B: Engineering</i> , 2015, 76, 292-299.	5.9	45
15	Investigation on the mechanical behavior of poly(2â€hydroxyethyl methacrylate) hydrogel membrane under compression in the assembly process of microfluidic system. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2014, 52, 485-495.	2.4	8
16	A methodology to analyse and simulate mechanical characteristics of poly(2-hydroxyethyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf,50 142 Td	1.6	21