Weiwei Zhao

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2254732/publications.pdf

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16	771	840585 11	996849 15
papers	citations	h-index	g-index

16	16	16	1047
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Biodegradable and Electroactive Regenerated Bacterial Cellulose/MXene (Ti₃C₂T_x) Composite Hydrogel as Wound Dressing for Accelerating Skin Wound Healing under Electrical Stimulation. Advanced Healthcare Materials, 2020, 9, e2000872.	3.9	184
2	In Situ Synthesized Selenium Nanoparticlesâ€Decorated Bacterial Cellulose/Gelatin Hydrogel with Enhanced Antibacterial, Antioxidant, and Antiâ€Inflammatory Capabilities for Facilitating Skin Wound Healing. Advanced Healthcare Materials, 2021, 10, e2100402.	3.9	149
3	Versatile fabrication of vascularizable scaffolds for large tissue engineering in bioreactor. Biomaterials, 2015, 45, 124-131.	5.7	112
4	Superhydrophobic Liquidâ€“Solid Contact Triboelectric Nanogenerator as a Droplet Sensor for Biomedical Applications. ACS Applied Materials & Interfaces, 2020, 12, 40021-40030.	4.0	79
5	Microstructural and mechanical characteristics of PHEMA-based nanofibre-reinforced hydrogel under compression. Composites Part B: Engineering, 2015, 76, 292-299.	5.9	45
6	Printed hydrogel nanocomposites: fine-tuning nanostructure for anisotropic mechanical and conductive properties. Advanced Composites and Hybrid Materials, 2020, 3, 315-324.	9.9	44
7	Understanding piezoelectric characteristics of PHEMA-based hydrogel nanocomposites as soft self-powered electronics. Advanced Composites and Hybrid Materials, 2018, 1, 320-331.	9.9	34
8	Understanding mechanical characteristics of cellulose nanocrystals reinforced PHEMA nanocomposite hydrogel: in aqueous cyclic test. Cellulose, 2017, 24, 2095-2110.	2.4	31
9	Multifunctional piezoelectric elastomer composites for smart biomedical or wearable electronics. Composites Part B: Engineering, 2019, 160, 595-604.	5.9	29
10	A methodology to analyse and simulate mechanical characteristics of poly(2-hydroxyethyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 Td	1.6	21
11	Self-powered hydrogels induced by ion transport. Nanoscale, 2017, 9, 17080-17090.	2.8	17
12	Mechanical characteristics of tunable uniaxial aligned carbon nanotubes induced by robotic extrusion technique for hydrogel nanocomposite. Composites Part A: Applied Science and Manufacturing, 2020, 129, 105707.	3.8	13
13	Investigation on the mechanical behavior of poly(2â€hydroxyethyl methacrylate) hydrogel membrane under compression in the assembly process of microfluidic system. Journal of Polymer Science, Part B: Polymer Physics, 2014, 52, 485-495.	2.4	8
14	Characterization and Optimization of Elastomeric Electrodes for Dielectric Elastomer Artificial Muscles. Materials, 2020, 13, 5542.	1.3	4
15	Programmable Anisotropic Hydrogel Composites for Soft Bioelectronics. Macromolecular Bioscience, 2022, , 2100467.	2.1	1
16	A novel insect-inspired â€˜clickingâ€™ dielectric elastomer oscillator for soft robotics. , 2021, , .		0