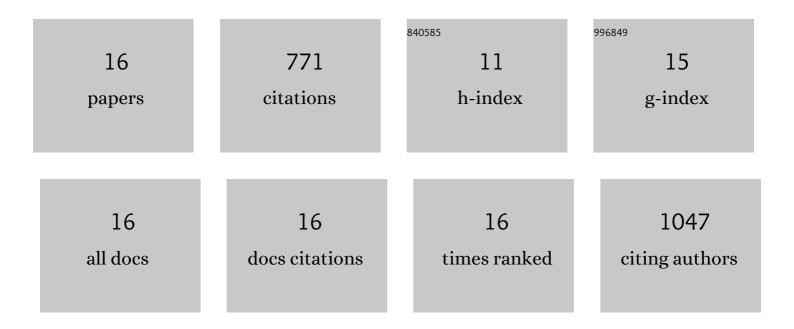
Weiwei Zhao

List of Publications by Year in descending order

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| # | Article | IF | CITATIONS |
|---|---|-----|-----------|
| 1 | Biodegradable and Electroactive Regenerated Bacterial Cellulose/MXene (Ti ₃ C ₂ T <i>_x</i>) 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 Liquid–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 |
| | | | |

A methodology to analyse and simulate mechanical characteristics of poly(2-hydroxyethyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 Td

| 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€~clicking' dielectric elastomer oscillator for soft robotics. , 2021, , . | | 0 |