

# Xinying Cheng

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5894508/publications.pdf>

Version: 2024-02-01

12  
papers

283  
citations

1040056

9  
h-index

1281871

11  
g-index

12  
all docs

12  
docs citations

12  
times ranked

276  
citing authors

#	ARTICLE	IF	CITATIONS
1	Functional Ultra-High Molecular Weight Polyethylene Composites for Ligament Reconstructions and Their Targeted Applications in the Restoration of the Anterior Cruciate Ligament. <i>Polymers</i> , 2022, 14, 2189.	4.5	4
2	Surface Functionalization of Electrodes and Synthesis of Dual-Phase Solid Electrolytes for Structural Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 30857-30871.	8.0	12
3	Hierarchically structured electrodes for moldable supercapacitors by synergistically hybridizing vertical graphene nanosheets and MnO <sub>2</sub> . <i>Carbon</i> , 2021, 172, 272-282.	10.3	59
4	Carbon fiber reinforced Zn-MnO <sub>2</sub> structural composite batteries. <i>Composites Science and Technology</i> , 2021, 209, 108787.	7.8	49
5	High-performance hierarchical MnO <sub>2</sub> /CNT electrode for multifunctional supercapacitors. <i>Carbon</i> , 2021, 184, 504-513.	10.3	54
6	Enabling contactless rapid on-demand debonding and rebonding using hysteresis heating of ferrimagnetic nanoparticles. <i>Materials and Design</i> , 2021, 210, 110076.	7.0	6
7	Multi-material design of a vehicle body considering crashworthiness safety and social effects. <i>International Journal of Crashworthiness</i> , 2020, 25, 517-526.	1.9	11
8	Failure characteristics and multi-objective optimisation of CF/EP composite sandwich panels under edgewise crushing. <i>International Journal of Mechanical Sciences</i> , 2020, 183, 105829.	6.7	16
9	Bending shape memory behaviours of carbon fibre reinforced polyurethane-type shape memory polymer composites under relatively small deformation: Characterisation and computational simulation. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019, 100, 103372.	3.1	20
10	Enhanced biocompatibility of polyurethane-type shape memory polymers modified by plasma immersion ion implantation treatment and collagen coating: An in vivo study. <i>Materials Science and Engineering C</i> , 2019, 99, 863-874.	7.3	19
11	Plasma immersion ion implantation of polyurethane shape memory polymer: Surface properties and protein immobilization. <i>Applied Surface Science</i> , 2017, 416, 686-695.	6.1	30
12	An effective method to optimise plasma immersion ion implantation: Sensitivity analysis and design based on low-density polyethylene. <i>Plasma Processes and Polymers</i> , 0, , .	3.0	3