Lei Wang

List of Publications by Year
in descending order

14 papers	4,934 citations	758635 12 h-index	940134 16 g-index
18 all docs	18 docs citations	18 times ranked	7523 citing authors

#	Article	IF	Citations
1	Bacterial anti-adhesion surface design: Surface patterning, roughness and wettability: A review. Journal of Materials Science and Technology, 2022, 99, 82-100.	5.6	119
2	A double-crosslinked self-healing antibacterial hydrogel with enhanced mechanical performance for wound treatment. Acta Biomaterialia, 2021, 124, 139-152.	4.1	61
3	A Novel Doubleâ€Crosslinkingâ€Doubleâ€Network Design for Injectable Hydrogels with Enhanced Tissue Adhesion and Antibacterial Capability for Wound Treatment. Advanced Functional Materials, 2020, 30, 1904156.	7.8	256
4	Oxygen/nitrogen-related surface states controlled carbon nanodots with tunable full-color luminescence: Mechanism and bio-imaging. Carbon, 2020, 160, 298-306.	5.4	49
5	Visual inÂvivo degradation of injectable hydrogel by real-time and non-invasive tracking using carbon nanodots as fluorescent indicator. Biomaterials, 2017, 145, 192-206.	5.7	89
6	Ultrahigh-yield synthesis of N-doped carbon nanodots that down-regulate ROS in zebrafish. Journal of Materials Chemistry B, 2017, 5, 7848-7860.	2.9	31
7	UV-crosslinkable and thermo-responsive chitosan hybrid hydrogel for NIR-triggered localized on-demand drug delivery. Carbohydrate Polymers, 2017, 174, 904-914.	5.1	66
8	High-yield synthesis of strong photoluminescent N-doped carbon nanodots derived from hydrosoluble chitosan for mercury ion sensing via smartphone APP. Biosensors and Bioelectronics, 2016, 79, 1-8.	5.3	143
9	Visualization of in situ hydrogels by MRI in vivo. Journal of Materials Chemistry B, 2016, 4, 1343-1353.	2.9	47
10	Ultraviolet-Crosslinkable and Injectable Chitosan/Hydroxyapatite Hybrid Hydrogel for Critical Size Calvarial Defect Repair In Vivo. Journal of Nanotechnology in Engineering and Medicine, 2015, 6, .	0.8	4
11	Hydrosoluble, UV-crosslinkable and injectable chitosan for patterned cell-laden microgel and rapid transdermal curing hydrogel in vivo. Acta Biomaterialia, 2015, 22, 59-69.	4.1	139
12	Cell laden and patterned chitosan microgel for micro-scale tissue engineering. Journal of Controlled Release, 2015, 213, e9.	4.8	2
13	Highly Photoluminescent Carbon Dots for Multicolor Patterning, Sensors, and Bioimaging. Angewandte Chemie - International Edition, 2013, 52, 3953-3957.	7.2	2,907
14	Surface Chemistry Routes to Modulate the Photoluminescence of Graphene Quantum Dots: From Fluorescence Mechanism to Upâ€Conversion Bioimaging Applications. Advanced Functional Materials, 2012, 22, 4732-4740.	7.8	1,019