

Zhengnan Zhou

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

804
citations

687363

13
h-index

752698

20
g-index

20
all docs

20
docs citations

20
times ranked

1153
citing authors

#	ARTICLE	IF	CITATIONS
1	Wireless electrical stimulation at the nanoscale interface induces tumor vascular normalization. <i>Bioactive Materials</i> , 2022, 18, 399-408.	15.6	19
2	Programmable biological state-switching photoelectric nanosheets for the treatment of infected wounds. <i>Materials Today Bio</i> , 2022, 15, 100292.	5.5	2
3	Piezoelectric Hydrogel for Prophylaxis and Early Treatment of Pressure Injuries/Pressure Ulcers. <i>ACS Biomaterials Science and Engineering</i> , 2022, 8, 3078-3086.	5.2	12
4	OD/1D Heterojunction Implant with Electro-Mechanobiological Coupling Cues Promotes Osteogenesis. <i>Advanced Functional Materials</i> , 2021, 31, 2106249.	14.9	26
5	Endogenous electric field as a bridge for antibacterial ion transport from implant to bacteria. <i>Science China Materials</i> , 2020, 63, 1831-1841.	6.3	5
6	Polypyrrole Nanocones and Dynamic Piezoelectric Stimulation-Induced Stem Cell Osteogenic Differentiation. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 4386-4392.	5.2	29
7	Antimicrobial Peptide Functionalized Conductive Nanowire Array Electrode as a Promising Candidate for Bacterial Environment Application. <i>Advanced Functional Materials</i> , 2019, 29, 1806353.	14.9	13
8	A built-in electric field with nanoscale distinction for cell behavior regulation. <i>Journal of Materials Chemistry B</i> , 2018, 6, 2723-2727.	5.8	8
9	Tunable Mechanical, Antibacterial, and Cytocompatible Hydrogels Based on a Functionalized Dual Network of Metal Coordination Bonds and Covalent Crosslinking. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 6190-6198.	8.0	61
10	Polydopamine-Assisted Immobilization of Copper Ions onto Hemodialysis Membranes for Antimicrobial. <i>ACS Applied Bio Materials</i> , 2018, 1, 1236-1243.	4.6	14
11	Electroactive polymers for tissue regeneration: Developments and perspectives. <i>Progress in Polymer Science</i> , 2018, 81, 144-162.	24.7	225
12	Polarization of an electroactive functional film on titanium for inducing osteogenic differentiation. <i>Scientific Reports</i> , 2016, 6, 35512.	3.3	38
13	Polydopamine-Assisted Electrochemical Fabrication of Polypyrrole Nanofibers on Bone Implants to Improve Bioactivity. <i>Macromolecular Materials and Engineering</i> , 2016, 301, 1288-1294.	3.6	30
14	Controllable Protein Adsorption and Bacterial Adhesion on Polypyrrole Nanocone Arrays. <i>Journal of Materials Science and Technology</i> , 2016, 32, 950-955.	10.7	9
15	Concentration Ranges of Antibacterial Cations for Showing the Highest Antibacterial Efficacy but the Least Cytotoxicity against Mammalian Cells: Implications for a New Antibacterial Mechanism. <i>Chemical Research in Toxicology</i> , 2015, 28, 1815-1822.	3.3	217
16	Chondroitin sulphate-guided construction of polypyrrole nanoarchitectures. <i>Materials Science and Engineering C</i> , 2015, 48, 172-178.	7.3	13
17	Reversibly Controlling Preferential Protein Adsorption on Bone Implants by Using an Applied Weak Potential as a Switch. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 13068-13072.	13.8	40
18	Taurine-Induced Fabrication of Nano-Structured Conducting Polypyrrole on Biomedical Titanium. <i>Macromolecular Rapid Communications</i> , 2014, 35, 574-578.	3.9	14

#	ARTICLE	IF	CITATIONS
19	Nanostructured Conducting Polymers as Intelligent Implant Surface: Fabricated on Biomedical Titanium with a Potential-Induced Reversible Switch in Wettability. ChemPhysChem, 2013, 14, 3891-3894.	2.1	19