

Guoxin Tan

List of Publications by Citations

Source: <https://exaly.com/author-pdf/1747836/guoxin-tan-publications-by-citations.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

32
papers

1,256
citations

17
h-index

35
g-index

36
ext. papers

1,796
ext. citations

9.9
avg, IF

4.55
L-index

#	Paper	IF	Citations
32	Nanomaterials as photothermal therapeutic agents. <i>Progress in Materials Science</i> , 2019 , 99, 1-26	42.2	234
31	Soft Conducting Polymer Hydrogels Cross-Linked and Doped by Tannic Acid for Spinal Cord Injury Repair. <i>ACS Nano</i> , 2018 , 12, 10957-10967	16.7	146
30	Electroactive polymers for tissue regeneration: Developments and perspectives. <i>Progress in Polymer Science</i> , 2018 , 81, 144-162	29.6	132
29	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, 1815-22	4	127
28	Directing Induced Pluripotent Stem Cell Derived Neural Stem Cell Fate with a Three-Dimensional Biomimetic Hydrogel for Spinal Cord Injury Repair. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 17742-17753	9.5	83
27	A Tough and Self-Powered Hydrogel for Artificial Skin. <i>Chemistry of Materials</i> , 2019 , 31, 9850-9860	9.6	56
26	Injectable Self-Healing Natural Biopolymer-Based Hydrogel Adhesive with Thermoresponsive Reversible Adhesion for Minimally Invasive Surgery. <i>Advanced Functional Materials</i> , 2021 , 31, 2007457	15.6	54
25	Bone-Inspired Spatially Specific Piezoelectricity Induces Bone Regeneration. <i>Theranostics</i> , 2017 , 7, 3387-3397	12.97	44
24	Surface-Selective Preferential Production of Reactive Oxygen Species on Piezoelectric Ceramics for Bacterial Killing. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 24306-9	9.5	38
23	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	9.5	35
22	Fabrication of Biocompatible Potassium Sodium Niobate Piezoelectric Ceramic as an Electroactive Implant. <i>Materials</i> , 2017 , 10,	3.5	29
21	Palladium nanoparticles entrapped in a self-supporting nanoporous gold wire as sensitive dopamine biosensor. <i>Scientific Reports</i> , 2017 , 7, 7941	4.9	27
20	Elastomeric conductive hybrid hydrogels with continuous conductive networks. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 2389-2397	7.3	26
19	Built-in microscale electrostatic fields induced by anatase-rutile-phase transition in selective areas promote osteogenesis. <i>NPG Asia Materials</i> , 2016 , 8,	10.3	26
18	Polarization of an electroactive functional film on titanium for inducing osteogenic differentiation. <i>Scientific Reports</i> , 2016 , 6, 35512	4.9	23
17	The antibacterial effect of potassium-sodium niobate ceramics based on controlling piezoelectric properties. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 175, 463-468	6	23
16	Polydopamine-Assisted Electrochemical Fabrication of Polypyrrole Nanofibers on Bone Implants to Improve Bioactivity. <i>Macromolecular Materials and Engineering</i> , 2016 , 301, 1288-1294	3.9	20

15	Ultrafast and On-Demand Oil/Water Separation Membrane System Based on Conducting Polymer Nanotip Arrays. <i>Nano Letters</i> , 2020 , 20, 4895-4900	11.5	15
14	Polypyrrole Nanocones and Dynamic Piezoelectric Stimulation-Induced Stem Cell Osteogenic Differentiation. <i>ACS Biomaterials Science and Engineering</i> , 2019 , 5, 4386-4392	5.5	15
13	Wireless Electrochemotherapy by Selenium-Doped Piezoelectric Biomaterials to Enhance Cancer Cell Apoptosis. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 34505-34513	9.5	11
12	Wearable sensors and devices for real-time cardiovascular disease monitoring. <i>Cell Reports Physical Science</i> , 2021 , 2, 100541	6.1	11
11	Chondroitin sulphate-guided construction of polypyrrole nanoarchitectures. <i>Materials Science and Engineering C</i> , 2015 , 48, 172-8	8.3	10
10	A Multifunctional Metallohydrogel with Injectability, Self-Healing, and Multistimulus-Responsiveness for Bioadhesives. <i>Macromolecular Materials and Engineering</i> , 2018 , 303, 1800305	3.9	10
9	A spatially varying charge model for regulating site-selective protein adsorption and cell behaviors. <i>Biomaterials Science</i> , 2019 , 7, 876-888	7.4	9
8	Antimicrobial Peptide Functionalized Conductive Nanowire Array Electrode as a Promising Candidate for Bacterial Environment Application. <i>Advanced Functional Materials</i> , 2019 , 29, 1806353	15.6	8
7	Reversibly Controlling Preferential Protein Adsorption on Bone Implants by Using an Applied Weak Potential as a Switch. <i>Angewandte Chemie</i> , 2014 , 126, 13284-13288	3.6	7
6	0D/1D Heterojunction Implant with Electro-Mechanobiological Coupling Cues Promotes Osteogenesis. <i>Advanced Functional Materials</i> , 2106249	15.6	7
5	Polydopamine-Assisted Immobilization of Copper Ions onto Hemodialysis Membranes for Antimicrobial.. <i>ACS Applied Bio Materials</i> , 2018 , 1, 1236-1243	4.1	5
4	Tough and Highly Efficient Underwater Self-Repairing Hydrogels for Soft Electronics.. <i>Small Methods</i> , 2022 , e2101513	12.8	5
3	Wireless electrical stimulation at the nanoscale interface induces tumor vascular normalization.. <i>Bioactive Materials</i> , 2022 , 18, 399-408	16.7	5
2	Endogenous electric field as a bridge for antibacterial ion transport from implant to bacteria. <i>Science China Materials</i> , 2020 , 63, 1831-1841	7.1	3
1	The innovation of biomaterials: From bioactive to bioelectroactive. <i>Science China Materials</i> , 1	7.1	2