

# Xufeng Niu

## List of Publications by Year in descending order

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Version: 2024-02-01

39  
papers

1,123  
citations

430874

18  
h-index

395702

33  
g-index

39  
all docs

39  
docs citations

39  
times ranked

1481  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biomimetic delivery of signals for bone tissue engineering. <i>Bone Research</i> , 2018, 6, 25.	11.4	178
2	Bioinspired mineralized collagen scaffolds for bone tissue engineering. <i>Bioactive Materials</i> , 2021, 6, 1491-1511.	15.6	161
3	Biodegradable Magnesium-Incorporated Poly(L-lactic acid) Microspheres for Manipulation of Drug Release and Alleviation of Inflammatory Response. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 23546-23557.	8.0	59
4	In vitro immunomodulation of magnesium on monocytic cell toward anti-inflammatory macrophages. <i>International Journal of Energy Production and Management</i> , 2020, 7, 391-401.	3.7	45
5	An electrically conductive 3D scaffold based on a nonwoven web of poly(L-lactic acid) and conductive poly(3,4-ethylenedioxythiophene). <i>Journal of Biomedical Materials Research - Part A</i> , 2015, 103, 2635-2644.	4.0	43
6	Calcium concentration dependent collagen mineralization. <i>Materials Science and Engineering C</i> , 2017, 73, 137-143.	7.3	43
7	Hydrolytic conversion of amorphous calcium phosphate into apatite accompanied by sustained calcium and orthophosphate ions release. <i>Materials Science and Engineering C</i> , 2017, 70, 1120-1124.	7.3	42
8	Crosslinking induces high mineralization of apatite minerals on collagen fibers. <i>International Journal of Biological Macromolecules</i> , 2018, 113, 450-457.	7.5	42
9	Highly aligned hierarchical intrafibrillar mineralization of collagen induced by periodic fluid shear stress. <i>Journal of Materials Chemistry B</i> , 2020, 8, 2562-2572.	5.8	38
10	Shear-mediated crystallization from amorphous calcium phosphate to bone apatite. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2016, 54, 131-140.	3.1	35
11	Sustained delivery of calcium and orthophosphate ions from amorphous calcium phosphate and poly(L-lactic acid)-based electrospinning nanofibrous scaffold. <i>Scientific Reports</i> , 2017, 7, 45655.	3.3	34
12	Simultaneous nano- and microscale structural control of injectable hydrogels via the assembly of nanofibrous protein microparticles for tissue regeneration. <i>Biomaterials</i> , 2019, 223, 119458.	11.4	34
13	Shear-mediated orientational mineralization of bone apatite on collagen fibrils. <i>Journal of Materials Chemistry B</i> , 2017, 5, 9141-9147.	5.8	31
14	Synergistically Detachable Microneedle Dressing for Programmed Treatment of Chronic Wounds. <i>Advanced Healthcare Materials</i> , 2022, 11, e2102180.	7.6	30
15	Apatite minerals derived from collagen phosphorylation modification induce the hierarchical intrafibrillar mineralization of collagen fibers. <i>Journal of Biomedical Materials Research - Part A</i> , 2019, 107, 2403-2413.	4.0	28
16	Time-reversed magnetically controlled perturbation (TRMCP) optical focusing inside scattering media. <i>Scientific Reports</i> , 2018, 8, 2927.	3.3	25
17	Homogeneous Chitosan/Poly(L-Lactide) Composite Scaffolds Prepared by Emulsion Freeze-Drying. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2012, 23, 391-404.	3.5	23
18	Immune response of bovine sourced cross-linked collagen sponge for hemostasis. <i>Journal of Biomaterials Applications</i> , 2018, 32, 920-931.	2.4	21

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19	Three-dimensional silk fibroin scaffolds incorporated with graphene for bone regeneration. <i>Journal of Biomedical Materials Research - Part A</i> , 2021, 109, 515-523.	4.0	19
20	Effects of hydroxyapatite/collagen composite on osteogenic differentiation of rat bone marrow derived mesenchymal stem cells. <i>Journal of Composite Materials</i> , 2014, 48, 1971-1980.	2.4	16
21	Fabrication and antibacterial properties of cefuroxime-loaded TiO <sub>2</sub> nanotubes. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 2947-2955.	3.6	16
22	Microencapsulation of mechano growth factor E peptide for sustained delivery and bioactivity maintenance. <i>International Journal of Pharmaceutics</i> , 2014, 469, 214-221.	5.2	15
23	Terminal Group Modification of Carbon Nanotubes Determines Covalently Bound Osteogenic Peptide Performance. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 865-878.	5.2	15
24	Electrospraying magnetic-fluorescent bifunctional Janus PLGA microspheres with dual rare earth ions fluorescent-labeling drugs. <i>RSC Advances</i> , 2016, 6, 99034-99043.	3.6	14
25	Orthophosphate and alkaline phosphatase induced the formation of apatite with different multilayered structures and mineralization balance. <i>Nanoscale</i> , 2022, 14, 1814-1825.	5.6	13
26	Influence of Fe <sub>3</sub> O <sub>4</sub> Nanoparticles on the Preparation of Aligned PLGA Electrospun Fibers Induced by Magnetic Field. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-9.	2.7	12
27	Study on the formation and properties of red blood cell-like Fe <sub>3</sub> O <sub>4</sub> /TbLa <sub>3</sub> (Bim) <sub>12</sub> /PLGA composite particles. <i>RSC Advances</i> , 2018, 8, 12503-12516.	3.6	12
28	Emulsion Self-Assembly Synthesis of Chitosan/Poly(lactic acid-glycolic acid) Stimuli-Responsive Amphiphiles. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 700-706.	2.2	11
29	Combined Effects of Mechanical Strain and Hydroxyapatite/Collagen Composite on Osteogenic Differentiation of Rat Bone Marrow Derived Mesenchymal Stem Cells. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-7.	2.7	10
30	Raloxifene improves TNF $\alpha$ -induced osteogenic differentiation inhibition of bone marrow mesenchymal stem cells and alleviates osteoporosis. <i>Experimental and Therapeutic Medicine</i> , 2020, 20, 309-314.	1.8	9
31	Potential effect of mechano growth factor E-domain peptide on axonal guidance growth in primary cultured cortical neurons of rats. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018, 12, 70-79.	2.7	8
32	Evaluation of Osteogenic Potentials of Titanium Dioxide Nanoparticles with Different Sizes and Shapes. <i>Journal of Nanomaterials</i> , 2020, 2020, 1-13.	2.7	8
33	Electrospinning of a sandwich-structured membrane with sustained release capability and long-term anti-inflammatory effects for dental pulp regeneration. <i>Bio-Design and Manufacturing</i> , 2022, 5, 305-317.	7.7	8
34	Numerical analysis of mineral crystals on mechanical properties of mineralized collagen fibers. <i>International Journal of Applied Ceramic Technology</i> , 2018, 15, 980-990.	2.1	7
35	Research on the Structure of Fish Collagen Nanofibers Influenced Cell Growth. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-6.	2.7	6
36	Physical and Chemical Characterization of Biomineralized Collagen with Different Microstructures. <i>Journal of Functional Biomaterials</i> , 2022, 13, 57.	4.4	6

#	ARTICLE	IF	CITATIONS
37	Drug Delivery System with Multiple Rare Earth Ions Fluorescent-Labeling Drugs and Magnetic Nanoparticles. Journal of Nanoscience and Nanotechnology, 2019, 19, 3288-3292.	0.9	4
38	A Multidisciplined Teaching Reform of Biomaterials Course for Undergraduate Students. Journal of Science Education and Technology, 2015, 24, 735-746.	3.9	2
39	New developments of biomaterials course for biomedical engineering education. , 2011, , .		0