

# Fang Wu

## List of Publications by Year in descending order

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35  
papers

781  
citations

516710

16  
h-index

526287

27  
g-index

35  
all docs

35  
docs citations

35  
times ranked

1231  
citing authors

#	ARTICLE	IF	CITATIONS
1	MSC spheroids-loaded collagen hydrogels simultaneously promote neuronal differentiation and suppress inflammatory reaction through PI3K-Akt signaling pathway. <i>Biomaterials</i> , 2021, 265, 120448.	11.4	83
2	Electrospun PCL/Gelatin composite fibrous scaffolds: mechanical properties and cellular responses. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2016, 27, 824-838.	3.5	77
3	Collagen-infiltrated porous hydroxyapatite coating and its osteogenic properties: <i>in vitro</i> and <i>in vivo</i> study. <i>Journal of Biomedical Materials Research - Part A</i> , 2012, 100A, 1706-1715.	4.0	54
4	Modulating cationicity of chitosan hydrogel to prevent hypertrophic scar formation during wound healing. <i>International Journal of Biological Macromolecules</i> , 2020, 154, 835-843.	7.5	52
5	The effect of form of carboxymethyl-chitosan dressings on biological properties in wound healing. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 194, 111191.	5.0	51
6	Hydroxyapatite coatings deposited by liquid precursor plasma spraying: controlled dense and porous microstructures and osteoblastic cell responses. <i>Biofabrication</i> , 2010, 2, 045003.	7.1	47
7	Zn and Sr incorporated 64S bioglasses: Material characterization, in-vitro bioactivity and mesenchymal stem cell responses. <i>Materials Science and Engineering C</i> , 2015, 52, 242-250.	7.3	45
8	Nanostructured Si, Mg, CO <sub>3</sub> <sup>2-</sup> Substituted Hydroxyapatite Coatings Deposited by Liquid Precursor Plasma Spraying: Synthesis and Characterization. <i>Journal of Thermal Spray Technology</i> , 2011, 20, 829-836.	3.1	35
9	Antibacterial hydroxyapatite/chitosan complex coatings with superior osteoblastic cell response. <i>Materials Letters</i> , 2011, 65, 974-977.	2.6	31
10	Characterization and formation mechanism of nano-structured hydroxyapatite coatings deposited by the liquid precursor plasma spraying process. <i>Biomedical Materials (Bristol)</i> , 2010, 5, 054113.	3.3	29
11	Thermosensitive polymer hydrogel as a physical shield on colonic mucosa for colitis treatment. <i>Journal of Materials Chemistry B</i> , 2021, 9, 3874-3884.	5.8	27
12	Regulation of the osteoblastic and chondrocytic differentiation of stem cells by the extracellular matrix and subsequent bone formation modes. <i>Biomaterials</i> , 2013, 34, 6580-6588.	11.4	25
13	Modulation of osteogenic and haemostatic activities by tuning cationicity of genipin-crosslinked chitosan hydrogels. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 166, 29-36.	5.0	19
14	Migration critically mediates osteoblastic differentiation of bone mesenchymal stem cells through activating canonical Wnt signal pathway. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 171, 205-213.	5.0	19
15	Bioactive Glass-Ceramic Coatings Synthesized by the Liquid Precursor Plasma Spraying Process. <i>Journal of Thermal Spray Technology</i> , 2011, 20, 560-568.	3.1	18
16	Directing the osteoblastic and chondrocytic differentiations of mesenchymal stem cells: matrix vs. induction media. <i>International Journal of Energy Production and Management</i> , 2017, 4, 269-279.	3.7	17
17	Synthesis, characterization and isothermal crystallization behavior of poly(butylene Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 107 Technologies, 2015, 26, 1003-1013.	3.2	15
18	Effects of material and surface functional group on collagen self-assembly and subsequent cell adhesion behaviors. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 116, 303-308.	5.0	14

#	ARTICLE	IF	CITATIONS
19	Composition dependence of physical properties of biodegradable poly(ethylene succinate) urethane ionenes. <i>RSC Advances</i> , 2014, 4, 54175-54186.	3.6	13
20	The regulating effect of trace elements Si, Zn and Sr on mineralization of gelatin-hydroxyapatite electrospun fiber. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 204, 111822.	5.0	13
21	The essential role of inorganic substrate in the migration and osteoblastic differentiation of mesenchymal stem cells. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2016, 59, 353-365.	3.1	12
22	Covalent immobilization of DJK-5 peptide on porous titanium for enhanced antibacterial effects and restrained inflammatory osteoclastogenesis. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 202, 111697.	5.0	12
23	Antibacterial coordination polymer hydrogels composed of silver( $\langle \text{scp} \rangle$ )-PEGylated bisimidazolylbenzyl alcohol. <i>RSC Advances</i> , 2018, 8, 20829-20835.	3.6	11
24	Synthesis and characterization of a polyurethane ionene/zinc chloride complex with antibacterial properties. <i>RSC Advances</i> , 2015, 5, 12423-12433.	3.6	9
25	Effect of zinc substitution in hydroxyapatite coating on osteoblast and osteoclast differentiation under osteoblast/osteoclast co-culture. <i>International Journal of Energy Production and Management</i> , 2019, 6, 349-359.	3.7	9
26	Terminal Acetylated/Acrylated Poly(ethylene glycol) Fabricated Drug Carriers: Design, Synthesis, and Biological Evaluation. <i>Biomacromolecules</i> , 2017, 18, 1956-1964.	5.4	8
27	Dopamine enhances the mechanical and biological properties of enzyme-induced mineralized hydrogels. <i>Journal of Materials Chemistry B</i> , 2020, 8, 9052-9061.	5.8	8
28	DJK-5 incorporated porous titanium alloy with combined superior antibacterial efficacy and enhanced osteoblastic cell responses. <i>Materials Letters</i> , 2019, 251, 161-164.	2.6	5
29	Tuning the gelation behavior and cellular response of thermo-sensitive chitosan hydrogels. <i>Materials Letters</i> , 2020, 260, 126903.	2.6	5
30	Dopamine assisted incorporation of Sr ions in porous titanium alloy and its in-vitro bioactivity and cellular responses. <i>Materials Letters</i> , 2021, 287, 129308.	2.6	5
31	Control of MSC Differentiation by Tuning the Alkyl Chain Length of Phenylboronic Acid Based Low-molecular-weight Gelators. <i>Journal of Bionic Engineering</i> , 2018, 15, 682-692.	5.0	4
32	Enhancing the mechanical and thermal properties of polypropylene composite by encapsulating styrene acrylonitrile with ammonium polyphosphate. <i>BMC Chemistry</i> , 2019, 13, 9.	3.8	3
33	Surface Characteristics and Biological Responses of Si, Mg and CO <sub>3</sub> Substituted Nano-Hydroxyapatite Coatings. <i>Journal of Biomaterials and Tissue Engineering</i> , 2015, 5, 822-832.	0.1	3
34	Regulating the crystallizing and rheological behaviors of poly(butylene succinate) by incorporating novel macromolecular ionomers. <i>Journal of Applied Polymer Science</i> , 2018, 135, 45545.	2.6	2
35	Critical Role of Silicon in Directing the Bio-inspired Mineralization of Gelatin in the Presence of Hydroxyapatite. <i>Journal of Bionic Engineering</i> , 2021, 18, 1413-1429.	5.0	1