Fang Wu

List of Publications by Year
in descending order

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. Biomaterials, 2021, 265, 120448.	11.4	83
2	Thermosensitive polymer hydrogel as a physical shield on colonic mucosa for colitis treatment. Journal of Materials Chemistry B, 2021, 9, 3874-3884.	5.8	27
3	Dopamine assisted incorporation of Sr ions in porous titanium alloy and its in-vitro bioactivity and cellular responses. Materials Letters, 2021, 287, 129308.	2.6	5
4	Covalent immobilization of DJK-5 peptide on porous titanium for enhanced antibacterial effects and restrained inflammatory osteoclastogenesis. Colloids and Surfaces B: Biointerfaces, 2021, 202, 111697.	5.0	12
5	The regulating effect of trace elements Si, Zn and Sr on mineralization of gelatin-hydroxyapatite electrospun fiber. Colloids and Surfaces B: Biointerfaces, 2021, 204, 111822.	5.0	13
6	Critical Role of Silicon in Directing the Bio-inspired Mineralization of Gelatin in the Presence of Hydroxyapatite. Journal of Bionic Engineering, 2021, 18, 1413-1429.	5.0	1
7	Tuning the gelation behavior and cellular response of thermo-sensitive chitosan hydrogels. Materials Letters, 2020, 260, 126903.	2.6	5
8	Dopamine enhances the mechanical and biological properties of enzyme-induced mineralized hydrogels. Journal of Materials Chemistry B, 2020, 8, 9052-9061.	5.8	8
9	The effect of form of carboxymethyl-chitosan dressings on biological properties in wound healing. Colloids and Surfaces B: Biointerfaces, 2020, 194, 111191.	5.0	51
10	Modulating cationicity of chitosan hydrogel to prevent hypertrophic scar formation during wound healing. International Journal of Biological Macromolecules, 2020, 154, 835-843.	7.5	52
11	DJK-5 incorporated porous titanium alloy with combined superior antibacterial efficacy and enhanced osteoblastic cell responses. Materials Letters, 2019, 251, 161-164.	2.6	5
12	Enhancing the mechanical and thermal properties of polypropylene composite by encapsulating styrene acrylonitrile with ammonium polyphosphate. BMC Chemistry, 2019, 13, 9.	3.8	3
13	Effect of zinc substitution in hydroxyapatite coating on osteoblast and osteoclast differentiation under osteoblast/osteoclast co-culture. International Journal of Energy Production and Management, 2019, 6, 349-359.	3.7	9
14	Modulation of osteogenic and haemostatic activities by tuning cationicity of genipin-crosslinked chitosan hydrogels. Colloids and Surfaces B: Biointerfaces, 2018, 166, 29-36.	5.0	19
15	Regulating the crystallizing and rheological behaviors of poly(butylene succinate) by incorporating novel macromolecular ionomers. Journal of Applied Polymer Science, 2018, 135, 45545.	2.6	2
16	Migration critically meditates osteoblastic differentiation of bone mesenchymal stem cells through activating canonical Wnt signal pathway. Colloids and Surfaces B: Biointerfaces, 2018, 171, 205-213.	5.0	19
17	Control of MSC Differentiation by Tuning the Alkyl Chain Length of Phenylboroinc Acid Based Low-molecular-weight Gelators. Journal of Bionic Engineering, 2018, 15, 682-692.	5.0	4
18	Antibacterial coordination polymer hydrogels composed of silver(<scp>i</scp>)-PEGylated bisimidazolylbenzyl alcohol. RSC Advances, 2018, 8, 20829-20835.	3.6	11

#	Article	IF	Citations
19	Terminal Acetylated/Acrylated Poly(ethylene glycol) Fabricated Drug Carriers: Design, Synthesis, and Biological Evaluation. Biomacromolecules, 2017, 18, 1956-1964.	5.4	8
20	Directing the osteoblastic and chondrocytic differentiations of mesenchymal stem cells: matrix vs. induction media. International Journal of Energy Production and Management, 2017, 4, 269-279.	3.7	17
21	Electrospun PCL/Gelatin composite fibrous scaffolds: mechanical properties and cellular responses. Journal of Biomaterials Science, Polymer Edition, 2016, 27, 824-838.	3.5	77
22	The essential role of inorganic substrate in the migration and osteoblastic differentiation of mesenchymal stem cells. Journal of the Mechanical Behavior of Biomedical Materials, 2016, 59, 353-365.	3.1	12
23	Synthesis, characterization and isothermal crystallization behavior of poly(butylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 587 Technologies, 2015, 26, 1003-1013.	3.2	15
24	Synthesis and characterization of a polyurethane ionene/zinc chloride complex with antibacterial properties. RSC Advances, 2015, 5, 12423-12433.	3.6	9
25	Zn and Sr incorporated 64S bioglasses: Material characterization, in-vitro bioactivity and mesenchymal stem cell responses. Materials Science and Engineering C, 2015, 52, 242-250.	7.3	45
26	Surface Characteristics and Biological Responses of Si, Mg and CO₃ Substituted Nano-Hydroxyapatite Coatings. Journal of Biomaterials and Tissue Engineering, 2015, 5, 822-832.	0.1	3
27	Composition dependence of physical properties of biodegradable poly(ethylene succinate) urethane ionenes. RSC Advances, 2014, 4, 54175-54186.	3.6	13
28	Effects of material and surface functional group on collagen self-assembly and subsequent cell adhesion behaviors. Colloids and Surfaces B: Biointerfaces, 2014, 116, 303-308.	5.0	14
29	Regulation of the osteoblastic and chondrocytic differentiation of stem cells by the extracellular matrix and subsequent bone formation modes. Biomaterials, 2013, 34, 6580-6588.	11.4	25
30	Collagenâ€infiltrated porous hydroxyapatite coating and its osteogenic properties: In vitro and in vivo study. Journal of Biomedical Materials Research - Part A, 2012, 100A, 1706-1715.	4.0	54
31	Antibacterial hydroxyapatite/chitosan complex coatings with superior osteoblastic cell response. Materials Letters, 2011, 65, 974-977.	2.6	31
32	Bioactive Glass-Ceramic Coatings Synthesized by the Liquid Precursor Plasma Spraying Process. Journal of Thermal Spray Technology, 2011, 20, 560-568.	3.1	18
33	Nanostructured Si, Mg, CO3 2â" Substituted Hydroxyapatite Coatings Deposited by Liquid Precursor Plasma Spraying: Synthesis and Characterization. Journal of Thermal Spray Technology, 2011, 20, 829-836.	3.1	35
34	Characterization and formation mechanism of nano-structured hydroxyapatite coatings deposited by the liquid precursor plasma spraying process. Biomedical Materials (Bristol), 2010, 5, 054113.	3.3	29
35	Hydroxyapatite coatings deposited by liquid precursor plasma spraying: controlled dense and porous microstructures and osteoblastic cell responses. Biofabrication, 2010, 2, 045003.	7.1	47