

Qianli Huang

List of Publications by Year in Descending Order

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

55
papers

1,120
citations

20
h-index

31
g-index

56
ext. papers

1,507
ext. citations

7.2
avg, IF

4.65
L-index

#	Paper	IF	Citations
55	Microstructure and tribological behaviors of FeCoCrNiMoSix high-entropy alloy coatings prepared by laser cladding. <i>Surface and Coatings Technology</i> , 2022 , 432, 128009	4.4	0
54	Engineering nano-structures with controllable dimensional features on micro-topographical titanium surfaces to modulate the activation degree of M1 macrophages and their osteogenic potential. <i>Journal of Materials Science and Technology</i> , 2022 , 96, 167-178	9.1	1
53	Sequential activation of M1 and M2 phenotypes in macrophages by Mg degradation from Ti-Mg alloy for enhanced osteogenesis.. <i>Biomaterials Research</i> , 2022 , 26, 17	16.8	1
52	Microstructure and Corrosion Behavior of Ti-Nb Coatings on NiTi Substrate Fabricated by Laser Cladding. <i>Coatings</i> , 2021 , 11, 597	2.9	3
51	Stimulation of in vitro and in vivo osteogenesis by Ti-Mg alloys with the sustained-release function of magnesium ions. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021 , 197, 111360	6	8
50	Using MgO nanoparticles as a potential platform to precisely load and steadily release Ag ions for enhanced osteogenesis and bacterial killing. <i>Materials Science and Engineering C</i> , 2021 , 119, 111399	8.3	7
49	Multi-scale nacre-inspired lamella-structured Ti-Ta composites with high strength and low modulus for load-bearing orthopedic and dental applications. <i>Materials Science and Engineering C</i> , 2021 , 118, 111458	8.3	8
48	The response of macrophages and their osteogenic potential modulated by micro/nano-structured Ti surfaces. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021 , 205, 111848	6	4
47	Facile synthesis of multi-functional nano-composites by precise loading of Cu onto MgO nano-particles for enhanced osteoblast differentiation, inhibited osteoclast formation and effective bacterial killing. <i>Materials Science and Engineering C</i> , 2021 , 130, 112442	8.3	0
46	Microstructure and properties of FeCoCrNiMoSix high-entropy alloys fabricated by spark plasma sintering. <i>Journal of Alloys and Compounds</i> , 2021 , 884, 161070	5.7	3
45	Effect of volumetric energy density on microstructure and tribological properties of FeCoNiCuAl high-entropy alloy produced by laser powder bed fusion. <i>Virtual and Physical Prototyping</i> , 2020 , 15, 543-554	10.1	12
44	Evaluating the osteoimmunomodulatory properties of micro-arc oxidized titanium surface at two different biological stages using an optimized in vitro cell culture strategy. <i>Materials Science and Engineering C</i> , 2020 , 110, 110722	8.3	7
43	Synthesis and characterization of rubidium-containing bioactive glass nanoparticles. <i>Materials Letters</i> , 2020 , 273, 127920	3.3	6
42	Effect of composition on in vitro degradability of Ti-Mg metal-metal composites. <i>Materials Science and Engineering C</i> , 2020 , 107, 110327	8.3	12
41	Comparing the regeneration potential between PLLA/Aragonite and PLLA/Vaterite pearl composite scaffolds in rabbit radius segmental bone defects. <i>Bioactive Materials</i> , 2020 , 5, 980-989	16.7	14
40	The design, development, and in vivo performance of intestinal anastomosis ring fabricated by magnesium-zinc-strontium alloy. <i>Materials Science and Engineering C</i> , 2020 , 106, 110158	8.3	6
39	MgO Nanoparticles Protect against Titanium Particle-Induced Osteolysis in a Mouse Model Because of Their Positive Immunomodulatory Effect. <i>ACS Biomaterials Science and Engineering</i> , 2020 , 6, 3005-3014	5.5	5

38	Activating macrophages for enhanced osteogenic and bactericidal performance by Cu ion release from micro/nano-topographical coating on a titanium substrate. <i>Acta Biomaterialia</i> , 2019 , 100, 415-426	10.8	53
37	Effects of Environmental pH on Macrophage Polarization and Osteoimmunomodulation. <i>ACS Biomaterials Science and Engineering</i> , 2019 , 5, 5548-5557	5.5	16
36	Rubidium Chloride Targets Jnk/p38-Mediated NF- κ B Activation to Attenuate Osteoclastogenesis and Facilitate Osteoblastogenesis. <i>Frontiers in Pharmacology</i> , 2019 , 10, 584	5.6	10
35	Targeted delivery of hesperetin to cartilage attenuates osteoarthritis by bimodal imaging with Gd(CO) ₂ @PDA nanoparticles via TLR-2/NF- κ B/Akt signaling. <i>Biomaterials</i> , 2019 , 205, 50-63	15.6	36
34	Powder metallurgical Ti-Mg metal-metal composites facilitate osteoconduction and osseointegration for orthopedic application. <i>Bioactive Materials</i> , 2019 , 4, 37-42	16.7	20
33	In vitro degradation behavior and cytocompatibility of ZK30/bioactive glass composites fabricated by selective laser melting for biomedical applications. <i>Journal of Alloys and Compounds</i> , 2019 , 785, 38-45	5.7	35
32	The development of Cu-incorporated micro/nano-topographical bio-ceramic coatings for enhanced osteoblast response. <i>Applied Surface Science</i> , 2019 , 465, 575-583	6.7	16
31	Novel micro/nanostructured TiO ₂ /ZnO coating with antibacterial capacity and cytocompatibility. <i>Ceramics International</i> , 2018 , 44, 9711-9719	5.1	44
30	The effect of hydroxyapatite nanoparticles on adipogenic differentiation of human mesenchymal stem cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2018 , 106, 1822-1831	5.4	6
29	The immunomodulatory effects of Zn-incorporated micro/nanostructured coating in inducing osteogenesis. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018 , 46, 1123-1130	6.1	17
28	Effects of the hierarchical macro/mesoporous structure on the osteoblast-like cell response. <i>Journal of Biomedical Materials Research - Part A</i> , 2018 , 106, 1896-1902	5.4	12
27	Enhanced SaOS-2 cell adhesion, proliferation and differentiation on Mg-incorporated micro/nano-topographical TiO ₂ coatings. <i>Applied Surface Science</i> , 2018 , 447, 767-776	6.7	23
26	All-in-One Nanoparticles for Trimodality Imaging-Guided Intracellular Photo-magnetic Hyperthermia Therapy under Intravenous Administration. <i>Advanced Functional Materials</i> , 2018 , 28, 1705710	15.6	66
25	Novel Mg-based alloys by selective laser melting for biomedical applications: microstructure evolution, microhardness and in vitro degradation behaviour. <i>Virtual and Physical Prototyping</i> , 2018 , 13, 71-81	10.1	37
24	A cyclo-trimer of acetonitrile combining fluorescent property with ability to induce osteogenesis and its potential as multifunctional biomaterial. <i>Acta Biomaterialia</i> , 2018 , 65, 163-173	10.8	2
23	The Cu-containing TiO coatings with modulatory effects on macrophage polarization and bactericidal capacity prepared by micro-arc oxidation on titanium substrates. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 170, 242-250	6	36
22	Reduced inflammatory response by incorporating magnesium into porous TiO coating on titanium substrate. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 171, 276-284	6	25
21	The osteogenic, inflammatory and osteo-immunomodulatory performances of biomedical Ti-Ta metal-metal composite with Ca- and Si-containing bioceramic coatings. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 169, 49-59	6	17

20	Incorporation of silica nanoparticles to PLGA electrospun fibers for osteogenic differentiation of human osteoblast-like cells. <i>International Journal of Energy Production and Management</i> , 2018 , 5, 229-238	5.3	24
19	ZnO nanostructures enhance the osteogenic capacity of SaOS-2 cells on acid-etched pure Ti. <i>Materials Letters</i> , 2018 , 215, 173-175	3.3	2
18	Hydroxyapatite/collagen coating on PLGA electrospun fibers for osteogenic differentiation of bone marrow mesenchymal stem cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2018 , 106, 2863-2870	5.4	29
17	Calcium carbonate nanoparticles promote osteogenesis compared to adipogenesis in human bone-marrow mesenchymal stem cells. <i>Progress in Natural Science: Materials International</i> , 2018 , 28, 598-608	3.6	12
16	Boron-containing micro/nano-structured TiO ₂ /bioceramics coatings with modulatory effects on SaOS-2 cell response. <i>Materials Letters</i> , 2018 , 228, 29-32	3.3	2
15	A dual-layer macro/mesoporous structured TiO surface improves the initial adhesion of osteoblast-like cells. <i>Materials Science and Engineering C</i> , 2017 , 78, 443-451	8.3	13
14	The negative effect of silica nanoparticles on adipogenic differentiation of human mesenchymal stem cells. <i>Materials Science and Engineering C</i> , 2017 , 81, 341-348	8.3	22
13	Zero-order controlled release of BMP2-derived peptide P24 from the chitosan scaffold by chemical grafting modification technique for promotion of osteogenesis vitro and enhancement of bone repair. <i>Theranostics</i> , 2017 , 7, 1072-1087	12.1	34
12	In vitro BMP-2 peptide release from thiolated chitosan based hydrogel. <i>International Journal of Biological Macromolecules</i> , 2016 , 93, 314-321	7.9	29
11	Microstructure and inclusion of Ti ₆ Al ₄ V fabricated by selective laser melting. <i>Frontiers of Materials Science</i> , 2016 , 10, 428-431	2.5	11
10	Preparation and characterization of TiO ₂ /silicate hierarchical coating on titanium surface for biomedical applications. <i>Materials Science and Engineering C</i> , 2016 , 60, 308-316	8.3	28
9	Effects of hierarchical micro/nano-topographies on the morphology, proliferation and differentiation of osteoblast-like cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016 , 145, 37-45	6	100
8	SaOS-2 cell response to macro-porous boron-incorporated TiO ₂ coating prepared by micro-arc oxidation on titanium. <i>Materials Science and Engineering C</i> , 2016 , 67, 195-204	8.3	16
7	A facile way to prepare mesoporous spherical calcites controlled by chondroitin sulfate for shape and carboxymethyl chitosan for size. <i>CrystEngComm</i> , 2016 , 18, 8582-8586	3.3	5
6	A novel titania/calcium silicate hydrate hierarchical coating on titanium. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015 , 134, 169-77	6	34
5	Surface Chemical Gradient Affects the Differentiation of Human Adipose-Derived Stem Cells via ERK1/2 Signaling Pathway. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 18473-82	9.5	41
4	Specific heat treatment of selective laser melted Ti ₆ Al ₄ V for biomedical applications. <i>Frontiers of Materials Science</i> , 2015 , 9, 373-381	2.5	51
3	Enhanced hydrophilicity and in vitro bioactivity of porous TiO ₂ film through the incorporation of boron. <i>Ceramics International</i> , 2015 , 41, 4452-4459	5.1	14

- 2 A novel thermo-sensitive hydrogel based on thiolated chitosan/hydroxyapatite/beta-glycerophosphate. *Carbohydrate Polymers*, **2014**, 110, 62-9 10.3 69
- 1 3D scaffold of PLLA/pearl and PLLA/nacre powder for bone regeneration. *Biomedical Materials (Bristol)*, **2013**, 8, 065001 3.5 16