

# Qianli Huang

## List of Publications by Citations

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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	Effects of hierarchical micro/nano-topographies on the morphology, proliferation and differentiation of osteoblast-like cells. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2016</b> , 145, 37-45	6	100
54	A novel thermo-sensitive hydrogel based on thiolated chitosan/hydroxyapatite/beta-glycerophosphate. <i>Carbohydrate Polymers</i> , <b>2014</b> , 110, 62-9	10.3	69
53	All-in-One Nanoparticles for Trimodality Imaging-Guided Intracellular Photo-magnetic Hyperthermia Therapy under Intravenous Administration. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1705710	15.6	66
52	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> , <b>2019</b> , 100, 415-426	10.8	53
51	Specific heat treatment of selective laser melted Ti6Al4V for biomedical applications. <i>Frontiers of Materials Science</i> , <b>2015</b> , 9, 373-381	2.5	51
50	Novel micro/nanostructured TiO2/ZnO coating with antibacterial capacity and cytocompatibility. <i>Ceramics International</i> , <b>2018</b> , 44, 9711-9719	5.1	44
49	Surface Chemical Gradient Affects the Differentiation of Human Adipose-Derived Stem Cells via ERK1/2 Signaling Pathway. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 18473-82	9.5	41
48	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> , <b>2018</b> , 13, 71-81	10.1	37
47	Targeted delivery of hesperetin to cartilage attenuates osteoarthritis by bimodal imaging with Gd(CO)@PDA nanoparticles via TLR-2/NF- $\kappa$ B/Akt signaling. <i>Biomaterials</i> , <b>2019</b> , 205, 50-63	15.6	36
46	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> , <b>2018</b> , 170, 242-250	6	36
45	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> , <b>2019</b> , 785, 38-45	5.7	35
44	A novel titania/calcium silicate hydrate hierarchical coating on titanium. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2015</b> , 134, 169-77	6	34
43	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> , <b>2017</b> , 7, 1072-1087	12.1	34
42	In vitro BMP-2 peptide release from thiolated chitosan based hydrogel. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 93, 314-321	7.9	29
41	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> , <b>2018</b> , 106, 2863-2870	5.4	29
40	Preparation and characterization of TiO2/silicate hierarchical coating on titanium surface for biomedical applications. <i>Materials Science and Engineering C</i> , <b>2016</b> , 60, 308-316	8.3	28
39	Reduced inflammatory response by incorporating magnesium into porous TiO coating on titanium substrate. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2018</b> , 171, 276-284	6	25

38	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> , <b>2018</b> , 5, 229-238	5.3	24
37	Enhanced SaOS-2 cell adhesion, proliferation and differentiation on Mg-incorporated micro/nano-topographical TiO <sub>2</sub> coatings. <i>Applied Surface Science</i> , <b>2018</b> , 447, 767-776	6.7	23
36	The negative effect of silica nanoparticles on adipogenic differentiation of human mesenchymal stem cells. <i>Materials Science and Engineering C</i> , <b>2017</b> , 81, 341-348	8.3	22
35	Powder metallurgical Ti-Mg metal-metal composites facilitate osteoconduction and osseointegration for orthopedic application. <i>Bioactive Materials</i> , <b>2019</b> , 4, 37-42	16.7	20
34	The immunomodulatory effects of Zn-incorporated micro/nanostructured coating in inducing osteogenesis. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , <b>2018</b> , 46, 1123-1130	6.1	17
33	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> , <b>2018</b> , 169, 49-59	6	17
32	Effects of Environmental pH on Macrophage Polarization and Osteoimmunomodulation. <i>ACS Biomaterials Science and Engineering</i> , <b>2019</b> , 5, 5548-5557	5.5	16
31	3D scaffold of PLLA/pearl and PLLA/nacre powder for bone regeneration. <i>Biomedical Materials (Bristol)</i> , <b>2013</b> , 8, 065001	3.5	16
30	SaOS-2 cell response to macro-porous boron-incorporated TiO <sub>2</sub> coating prepared by micro-arc oxidation on titanium. <i>Materials Science and Engineering C</i> , <b>2016</b> , 67, 195-204	8.3	16
29	The development of Cu-incorporated micro/nano-topographical bio-ceramic coatings for enhanced osteoblast response. <i>Applied Surface Science</i> , <b>2019</b> , 465, 575-583	6.7	16
28	Enhanced hydrophilicity and in vitro bioactivity of porous TiO <sub>2</sub> film through the incorporation of boron. <i>Ceramics International</i> , <b>2015</b> , 41, 4452-4459	5.1	14
27	Comparing the regeneration potential between PLLA/Aragonite and PLLA/Vaterite pearl composite scaffolds in rabbit radius segmental bone defects. <i>Bioactive Materials</i> , <b>2020</b> , 5, 980-989	16.7	14
26	A dual-layer macro/mesoporous structured TiO surface improves the initial adhesion of osteoblast-like cells. <i>Materials Science and Engineering C</i> , <b>2017</b> , 78, 443-451	8.3	13
25	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> , <b>2020</b> , 15, 543-554	10.1	12
24	Effects of the hierarchical macro/mesoporous structure on the osteoblast-like cell response. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2018</b> , 106, 1896-1902	5.4	12
23	Effect of composition on in vitro degradability of Ti-Mg metal-metal composites. <i>Materials Science and Engineering C</i> , <b>2020</b> , 107, 110327	8.3	12
22	Calcium carbonate nanoparticles promote osteogenesis compared to adipogenesis in human bone-marrow mesenchymal stem cells. <i>Progress in Natural Science: Materials International</i> , <b>2018</b> , 28, 598-608	3.6	12
21	Microstructure and inclusion of Ti <sub>3</sub> Al <sub>2</sub> V fabricated by selective laser melting. <i>Frontiers of Materials Science</i> , <b>2016</b> , 10, 428-431	2.5	11

20	Rubidium Chloride Targets Jnk/p38-Mediated NF- $\kappa$ B Activation to Attenuate Osteoclastogenesis and Facilitate Osteoblastogenesis. <i>Frontiers in Pharmacology</i> , <b>2019</b> , 10, 584	5.6	10
19	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> , <b>2021</b> , 197, 111360	6	8
18	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> , <b>2021</b> , 118, 111458	8.3	8
17	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> , <b>2020</b> , 110, 110722	8.3	7
16	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> , <b>2021</b> , 119, 111399	8.3	7
15	The effect of hydroxyapatite nanoparticles on adipogenic differentiation of human mesenchymal stem cells. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2018</b> , 106, 1822-1831	5.4	6
14	Synthesis and characterization of rubidium-containing bioactive glass nanoparticles. <i>Materials Letters</i> , <b>2020</b> , 273, 127920	3.3	6
13	The design, development, and in vivo performance of intestinal anastomosis ring fabricated by magnesium-zinc-strontium alloy. <i>Materials Science and Engineering C</i> , <b>2020</b> , 106, 110158	8.3	6
12	A facile way to prepare mesoporous spherical calcites controlled by chondroitin sulfate for shape and carboxymethyl chitosan for size. <i>CrystEngComm</i> , <b>2016</b> , 18, 8582-8586	3.3	5
11	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> , <b>2020</b> , 6, 3005-3014	5.5	5
10	The response of macrophages and their osteogenic potential modulated by micro/nano-structured Ti surfaces. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2021</b> , 205, 111848	6	4
9	Microstructure and Corrosion Behavior of Ti-Nb Coatings on NiTi Substrate Fabricated by Laser Cladding. <i>Coatings</i> , <b>2021</b> , 11, 597	2.9	3
8	Microstructure and properties of FeCoCrNiMoSix high-entropy alloys fabricated by spark plasma sintering. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 884, 161070	5.7	3
7	A cyclo-trimer of acetonitrile combining fluorescent property with ability to induce osteogenesis and its potential as multifunctional biomaterial. <i>Acta Biomaterialia</i> , <b>2018</b> , 65, 163-173	10.8	2
6	ZnO nanostructures enhance the osteogenic capacity of SaOS-2 cells on acid-etched pure Ti. <i>Materials Letters</i> , <b>2018</b> , 215, 173-175	3.3	2
5	Boron-containing micro/nano-structured TiO <sub>2</sub> /bioceramics coatings with modulatory effects on SaOS-2 cell response. <i>Materials Letters</i> , <b>2018</b> , 228, 29-32	3.3	2
4	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> , <b>2022</b> , 96, 167-178	9.1	1
3	Sequential activation of M1 and M2 phenotypes in macrophages by Mg degradation from Ti-Mg alloy for enhanced osteogenesis.. <i>Biomaterials Research</i> , <b>2022</b> , 26, 17	16.8	1

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| 2 | Microstructure and tribological behaviors of FeCoCrNiMoSix high-entropy alloy coatings prepared by laser cladding. <i>Surface and Coatings Technology</i> , <b>2022</b> , 432, 128009   | 4.4 | ○ |
| 1 | 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> , <b>2021</b> , 130, 112442 | 8.3 | ○ |