Xiao-Bo Huang

List of Publications by Year
in descending order

38 papers	1,655 citations	394421 19 h-index	330143 37 g-index
38 all docs	38 docs citations	38 times ranked	2222 citing authors

#	Article	IF	Citations
1	Enhancement of Antibacterial and Mechanical Properties of Photocurable Îµ-Poly-<scp>l</scp>-lysine Hydrogels by Tannic Acid Treatment. ACS Applied Bio Materials, 2021, 4, 2713-2722.	4.6	20
2	Mechanical, Electrochemical, and Osteoblastic Properties of Gradient Tantalum Coatings on Ti6Al4V by Prepared Plasma Alloying Technique. Coatings, 2021, 11, 631.	2.6	8
3	Three-Dimensional Printing Chitosan-Based Bolus Used for Radiotherapy. ACS Applied Bio Materials, 2021, 4, 7094-7102.	4.6	4
4	A scalelike micro/nano-textured structure on Ti-based implants with enhanced cytocompatibility and osteogenic activities. Surface and Coatings Technology, 2021, 422, 127497.	4.8	10
5	3D Printing Polymer-based Bolus Used for Radiotherapy. International Journal of Bioprinting, 2021, 7, 414.	3.4	10
6	Dual light-induced in situ antibacterial activities of biocompatibleTiO₂/MoS₂/PDA/RGD nanorod arrays on titanium. Biomaterials Science, 2020, 8, 391-404.	5.4	44
7	In vitro biodegradability of Mgâ€“2Gdâ€“xZn alloys with different Zn contents and solution treatments. Rare Metals, 2019, 38, 620-628.	7.1	15
8	A high current anodization to fabricate a nano-porous structure on the surface of Ti-based implants. Journal of Materials Science: Materials in Medicine, 2019, 30, 2.	3.6	12
9	Preparation, characterization, corrosion behavior and cytocompatibility of NiTiO3 nanosheets hydrothermally synthesized on biomedical NiTi alloy. Materials Science and Engineering C, 2019, 97, 715-722.	7.3	16
10	Electrochemical corrosion, wear and cell behavior of ZrO2/TiO2 alloyed layer on Ti-6Al-4V. Bioelectrochemistry, 2018, 121, 105-114.	4.6	34
11	A multifaceted coating on titanium dictates osteoimmunomodulation and osteo/angio-genesis towards ameliorative osseointegration. Biomaterials, 2018, 162, 154-169.	11.4	206
12	AgCl/Ag3PO4: A stable Ag-Based nanocomposite photocatalyst with enhanced photocatalytic activity for the degradation of parabens. Journal of Colloid and Interface Science, 2018, 515, 10-17.	9.4	64
13	Cellular response to nano-structured Zr and ZrO2 alloyed layers on Ti-6Al-4V. Materials Science and Engineering C, 2018, 90, 523-530.	7.3	20
14	Length-dependent corrosion behavior, Ni2+ release, cytocompatibility, and antibacterial ability of Ni-Ti-O nanopores anodically grown on biomedical NiTi alloy. Materials Science and Engineering C, 2018, 89, 1-7.	7.3	28
15	Effects of copper nanoparticles in porous TiO2 coatings on bacterial resistance and cytocompatibility of osteoblasts and endothelial cells. Materials Science and Engineering C, 2018, 82, 110-120.	7.3	96
16	Effect of a biomimetic titania mesoporous coating doped with Sr on the osteogenic activity. Materials Science and Engineering C, 2018, 91, 153-162.	7.3	16
17	Titanium-based implant comprising a porous microstructure assembled with nanoleaves and controllable silicon-ion release for enhanced osseointegration. Journal of Materials Chemistry B, 2018, 6, 5100-5114.	5.8	18
18	Differential effect of hydroxyapatite nano-particle versus nano-rod decorated titanium micro-surface on osseointegration. Acta Biomaterialia, 2018, 76, 344-358.	8.3	93

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19	Synthesis and biological properties of Zn-incorporated micro/nano-textured surface on Ti by high current anodization. Materials Science and Engineering C, 2017, 78, 175-184.	7.3	18
20	Antibacterial, osteogenic, and angiogenic activities of SrTiO 3 nanotubes embedded with Ag 2 O nanoparticles. Materials Science and Engineering C, 2017, 75, 1049-1058.	7.3	45
21	A cytocompatible micro/nano-textured surface with Si-doped titania mesoporous arrays fabricated by a one-step anodization. Materials Science and Engineering C, 2017, 73, 120-129.	7.3	14
22	Biocompatibility, corrosion resistance and antibacterial activity of TiO2/CuO coating on titanium. Ceramics International, 2017, 43, 16185-16195.	4.8	109
23	A hybrid co-culture model with endothelial cells designed for the hepatic tissue engineering. Journal of Materials Science: Materials in Medicine, 2017, 28, 139.	3.6	3
24	Antibacterial ability and angiogenic activity of Cu-Ti-O nanotube arrays. Materials Science and Engineering C, 2017, 71, 93-99.	7.3	60
25	Osteogenic and angiogenic activities of silicon-incorporated TiO2 nanotube arrays. Journal of Materials Chemistry B, 2016, 4, 5548-5559.	5.8	39
26	One-step fabrication of cytocompatible micro/nano-textured surface with TiO2 mesoporous arrays on titanium by high current anodization. Electrochimica Acta, 2016, 199, 116-125.	5.2	12
27	High-current anodization: A novel strategy to functionalize titanium-based biomaterials. Electrochimica Acta, 2015, 173, 345-353.	5.2	52
28	Highly ordered Niâ€“Tiâ€“O nanotubes for non-enzymatic glucose detection. Materials Science and Engineering C, 2015, 51, 37-42.	7.3	31
29	Failure Behavior Characterization of Mo-Modified Ti Surface by Impact Test and Finite Element Analysis. Journal of Materials Engineering and Performance, 2015, 24, 2678-2687.	2.5	2
30	A self-regulating antimicrobial model based on the ion-exchange stimuli. Journal of Materials Science: Materials in Medicine, 2015, 26, 208.	3.6	5
31	The effects of titania nanotubes with embedded silver oxide nanoparticles on bacteria and osteoblasts. Biomaterials, 2014, 35, 4223-4235.	11.4	305
32	Microstructure and cytotoxicity evaluation of duplex-treated silver-containing antibacterial TiO2 coatings. Materials Science and Engineering C, 2014, 45, 402-410.	7.3	58
33	A nano-silver composite based on the ion-exchange response for the intelligent antibacterial applications. Materials Science and Engineering C, 2014, 41, 134-141.	7.3	43
34	Modulating the behaviors of C3A cells via surface charges of polyelectrolyte multilayers. Carbohydrate Polymers, 2013, 92, 1064-1070.	10.2	6
35	Matrix Stiffness in Threeâ€Dimensional Systems Effects on the Behavior of C3A Cells. Artificial Organs, 2013, 37, 166-174.	1.9	21
36	INVESTIGATION ON ANTIBACTERIAL PROPERTY OF Cu-COATING ON PURE TITANIUM FABRICATED VIA PLASMA SURFACE ALLOYING. Modern Physics Letters B, 2013, 27, 1341017.	1.9	0

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37	Antibacterial Property of Cu Modified Stainless Steel by Plasma Surface Alloying. Journal of Iron and Steel Research International, 2012, 19, 75-79.	2.8	22
38	Microenvironment of alginate-based microcapsules for cell culture and tissue engineering. Journal of Bioscience and Bioengineering, 2012, 114, 1-8.	2.2	96