

Yanbo Wang

List of Publications by Year in descending order

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23
papers

1,536
citations

430442

18
h-index

642321

23
g-index

23
all docs

23
docs citations

23
times ranked

2757
citing authors

#	ARTICLE	IF	CITATIONS
1	Reviving rechargeable lithium metal batteries: enabling next-generation high-energy and high-power cells. <i>Energy and Environmental Science</i> , 2012, 5, 5701-5707.	15.6	273
2	In situ synthesis and biocompatibility of nano hydroxyapatite on pristine and chitosan functionalized graphene oxide. <i>Journal of Materials Chemistry B</i> , 2013, 1, 475-484.	2.9	214
3	Introduction of antibacterial function into biomedical TiNi shape memory alloy by the addition of element Ag. <i>Acta Biomaterialia</i> , 2011, 7, 2758-2767.	4.1	160
4	In vitro and in vivo studies on biodegradable CaMgZnSrYb high-entropy bulk metallic glass. <i>Acta Biomaterialia</i> , 2013, 9, 8561-8573.	4.1	149
5	Biodegradable CaMgZn bulk metallic glass for potential skeletal application. <i>Acta Biomaterialia</i> , 2011, 7, 3196-3208.	4.1	128
6	A glucose/O ₂ biofuel cell base on nanographene platelet-modified electrodes. <i>Electrochemistry Communications</i> , 2010, 12, 869-871.	2.3	55
7	In vitro and in vivo studies on Ti-based bulk metallic glass as potential dental implant material. <i>Materials Science and Engineering C</i> , 2013, 33, 3489-3497.	3.8	54
8	Corrosion resistance and cytotoxicity of a MgF ₂ coating on biomedical Mg-Ca alloy via vacuum evaporation deposition method. <i>Surface and Interface Analysis</i> , 2013, 45, 1217-1222.	0.8	52
9	<i>In vitro</i> study on Zr-based bulk metallic glasses as potential biomaterials. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2011, 96B, 34-46.	1.6	50
10	Comparative study on corrosion resistance and in vitro biocompatibility of bulk nanocrystalline and microcrystalline biomedical 304 stainless steel. <i>Dental Materials</i> , 2011, 27, 677-683.	1.6	49
11	Corrosion performances of a Nickel-free Fe-based bulk metallic glass in simulated body fluids. <i>Electrochemistry Communications</i> , 2009, 11, 2187-2190.	2.3	47
12	A novel amperometric hydrogen peroxide biosensor based on immobilized Hb in Pluronic P123-nanographene platelets composite. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 84, 427-432.	2.5	41
13	<i>In vitro</i> and <i>in vivo</i> evaluation of SLA titanium surfaces with further alkali or hydrogen peroxide and heat treatment. <i>Biomedical Materials (Bristol)</i> , 2011, 6, 025001.	1.7	39
14	Effective inhibition of the early copper ion burst release with ultra-fine grained copper and single crystal copper for intrauterine device application. <i>Acta Biomaterialia</i> , 2012, 8, 886-896.	4.1	37
15	Correlation between corrosion performance and surface wettability in ZrTiCuNiBe bulk metallic glasses. <i>Applied Physics Letters</i> , 2010, 96, .	1.5	33
16	Osteoblast response on Ti and Zr-based bulk metallic glass surfaces after sand blasting modification. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2012, 100B, 1721-1728.	1.6	29
17	Development and properties of Ti-In binary alloys as dental biomaterials. <i>Materials Science and Engineering C</i> , 2013, 33, 1601-1606.	3.8	28
18	Study on bio-corrosion and cytotoxicity of a Zr-based bulk metallic glass as potential biodegradable metal. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2012, 100B, 368-377.	1.6	22

#	ARTICLE	IF	CITATIONS
19	Development of TiAgFe ternary titanium alloy for dental application. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2012, 100B, 185-196.	1.6	19
20	Surface characteristics and electrochemical corrosion behavior of NiTi alloy coated with IrO ₂ . Materials Science and Engineering C, 2013, 33, 15-20.	3.8	17
21	Cell response of nanographene platelets to human osteoblast-like MG63 cells. Journal of Biomedical Materials Research - Part A, 2014, 102, 732-742.	2.1	17
22	TiGe binary alloy system developed as potential dental materials. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2012, 100B, 2239-2250.	1.6	13
23	Alkali-heat treatment of a low modulus biomedical Ti27Nb alloy. Biomedical Materials (Bristol), 2009, 4, 044108.	1.7	10