

Nicholas T Kirkland

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

2,884
citations

471509

17
h-index

752698

20
g-index

22
all docs

22
docs citations

22
times ranked

3075
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of amino acids and proteins on the in vitro performance of coated magnesium for biomedical applications. , 2015, , 205-230.		0
2	Magnesium Biomaterials. SpringerBriefs in Materials, 2014, , .	0.3	30
3	Introduction to Magnesium Biomaterials. SpringerBriefs in Materials, 2014, , 1-12.	0.3	8
4	The influence of biodegradable magnesium alloys on the osteogenic differentiation of human mesenchymal stem cells. Journal of Biomedical Materials Research - Part A, 2014, 102, n/a-n/a.	4.0	42
5	Developments in Mg-based Alloys for Biomaterials. SpringerBriefs in Materials, 2014, , 73-94.	0.3	6
6	Magnesium Biocorrosion Experiments. SpringerBriefs in Materials, 2014, , 13-37.	0.3	2
7	Influence of Environmental Variables on In Vitro Performance. SpringerBriefs in Materials, 2014, , 39-72.	0.3	0
8	<i>In vitro</i> corrosion survey of Mg-Ca and Mg-3Zn-Ca alloys with and without calcium phosphate conversion coatings. Corrosion Engineering Science and Technology, 2012, 47, 365-373.	1.4	27
9	Magnesium biomaterials: past, present and future. Corrosion Engineering Science and Technology, 2012, 47, 322-328.	1.4	111
10	Exploring graphene as a corrosion protection barrier. Corrosion Science, 2012, 56, 1-4.	6.6	515
11	Observations of the galvanostatic dissolution of pure magnesium. Corrosion Science, 2012, 65, 5-9.	6.6	71
12	Magnesium alloys: Predicting <i>in vivo</i> corrosion with <i>in vitro</i> immersion testing. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2012, 100B, 1134-1141.	3.4	178
13	Assessing the corrosion of biodegradable magnesium implants: A critical review of current methodologies and their limitations. Acta Biomaterialia, 2012, 8, 925-936.	8.3	692
14	Ca-Mg-Zn bulk metallic glasses as bioresorbable metals. Acta Biomaterialia, 2012, 8, 2375-2383.	8.3	85
15	Buffer-regulated biocorrosion of pure magnesium. Journal of Materials Science: Materials in Medicine, 2012, 23, 283-291.	3.6	70
16	Synthesis and properties of topologically ordered porous magnesium. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2011, 176, 1666-1672.	3.5	60
17	Performance-driven design of Biocompatible Mg alloys. Jom, 2011, 63, 28-34.	1.9	96
18	Electrochemical Properties of Intermetallic Phases and Common Impurity Elements in Magnesium Alloys. Electrochemical and Solid-State Letters, 2011, 14, C5.	2.2	205

#	ARTICLE	IF	CITATIONS
19	Synthesis of topologically-ordered open-cell porous magnesium. <i>Materials Letters</i> , 2010, 64, 2572-2574.	2.6	66
20	<i>In vitro</i> dissolution of magnesium-calcium binary alloys: Clarifying the unique role of calcium additions in bioresorbable magnesium implant alloys. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2010, 95B, 91-100.	3.4	180
21	A survey of bio-corrosion rates of magnesium alloys. <i>Corrosion Science</i> , 2010, 52, 287-291.	6.6	414
22	PROCESSING-PROPERTY RELATIONSHIPS OF AS-CAST MAGNESIUM FOAMS WITH CONTROLLABLE ARCHITECTURE. <i>International Journal of Modern Physics B</i> , 2009, 23, 1002-1008.	2.0	26