

Chao Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

134
citations

1162889

8
h-index

1281743

11
g-index

12
all docs

12
docs citations

12
times ranked

113
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphene oxide nanocoating for enhanced corrosion resistance, wear resistance and antibacterial activity of nickel–titanium shape memory alloy. <i>Surface and Coatings Technology</i> , 2022, 431, 128012.	2.2	10
2	Biomechanical analysis of effective mandibular en-masse retraction using Class II elastics with a clear aligner: a finite element study. <i>Progress in Orthodontics</i> , 2022, 23, .	1.3	11
3	Astrocyte responses to nanomaterials: Functional changes, pathological changes and potential applications. <i>Acta Biomaterialia</i> , 2021, 122, 66-81.	4.1	9
4	Biological effects, applications and strategies of nanomodification of dental metal surfaces. <i>Materials and Design</i> , 2021, 207, 109890.	3.3	10
5	Corrosion Behavior and In Vitro Cytotoxicity of Ni–Ti and Stainless Steel Arch Wires Exposed to Lysozyme, Ovalbumin, and Bovine Serum Albumin. <i>ACS Omega</i> , 2020, 5, 18995-19003.	1.6	12
6	The corrosion resistance, cytotoxicity, and antibacterial properties of lysozyme coatings on orthodontic composite arch wires. <i>RSC Advances</i> , 2020, 10, 18131-18137.	1.7	10
7	Effect of Protein and Mechanical Strain on the Corrosion Resistance and Cytotoxicity of the Orthodontic Composite Arch Wire. <i>ACS Omega</i> , 2020, 5, 8992-8998.	1.6	2
8	The effect of mucin, fibrinogen and IgG on the corrosion behaviour of Ni–Ti alloy and stainless steel. <i>BioMetals</i> , 2017, 30, 367-377.	1.8	12
9	Susceptibility to corrosion of laser welding composite arch wire in artificial saliva of salivary amylase and pancreatic amylase. <i>Materials Science and Engineering C</i> , 2015, 55, 267-271.	3.8	8
10	Susceptibility to Corrosion and In Vitro Biocompatibility of a Laser-Welded Composite Orthodontic Arch Wire. <i>Annals of Biomedical Engineering</i> , 2014, 42, 222-230.	1.3	12
11	Corrosion of laser-welded NiTi shape memory alloy and stainless steel composite wires with a copper interlayer upon exposure to fluoride and mechanical stress. <i>Corrosion Science</i> , 2014, 82, 404-409.	3.0	25
12	The Corrosion Resistance of Composite Arch Wire Laser-Welded By NiTi Shape Memory Alloy and Stainless Steel Wires with Cu Interlayer in Artificial Saliva with Protein. <i>International Journal of Medical Sciences</i> , 2013, 10, 1068-1072.	1.1	13