

Deng-Feng Yin

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

19
papers

180
citations

8
h-index

13
g-index

19
ext. papers

282
ext. citations

4.1
avg, IF

3.39
L-index

#	Paper	IF	Citations
19	Enhanced initial biodegradation resistance of the biomedical Mg-Cu alloy by surface nanomodification. <i>Journal of Magnesium and Alloys</i> , 2022 ,	8.8	1
18	Biodegradation, Antibacterial Performance, and Cytocompatibility of a Novel ZK30-Cu-Mn Biomedical Alloy Produced by Selective Laser Melting. <i>International Journal of Bioprinting</i> , 2021 , 7, 300	6.2	3
17	Biodegradation behaviour of hydroxyapatite-containing self-sealing micro-arc-oxidation coating on pure Mg. <i>Surface Engineering</i> , 2021 , 37, 942-952	2.6	4
16	Comparison on Tensile Characteristics of Plain C-Mn Steel with Ultrafine Grained Ferrite/Cementite Microstructure and Coarse Grained Ferrite/Pearlite Microstructure. <i>Materials</i> , 2021 , 14,	3.5	1
15	Corrosion and antibacterial performance of novel selective-laser-melted (SLMed) Ti-xCu biomedical alloys. <i>Journal of Alloys and Compounds</i> , 2021 , 864, 158415	5.7	11
14	Study on a Novel Biodegradable and Antibacterial Fe-Based Alloy Prepared by Microwave Sintering. <i>Materials</i> , 2021 , 14,	3.5	1
13	In Vitro Corrosion Resistance and Antibacterial Performance of Novel Fe-Cu Biomedical Alloys Prepared by Selective Laser Melting. <i>Advanced Engineering Materials</i> , 2021 , 23, 2001000	3.5	3
12	Comparison of the biodegradation of ZK30 subjected to solid solution treating and selective laser melting. <i>Journal of Materials Research and Technology</i> , 2021 , 10, 722-729	5.5	3
11	Microstructural evolution upon heat treatments and its effect on corrosion in Al-Zn-Mg alloys containing Sc and Zr. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 5077-5089	5.5	14
10	Effect of bottom micro-crystalline diamond (MCD) layer and top nano-crystalline diamond (NCD) layer onto the tribological behavior of (MCD/NCD) bilayer film. <i>Materials Research Express</i> , 2020 , 7, 026412	1.7	1
9	Corrosion behavior of a self-sealing coating containing CeO ₂ particles on pure Mg produced by micro-arc oxidation. <i>Surface and Coatings Technology</i> , 2020 , 386, 125456	4.4	26
8	Effect of Alloying Mn by Selective Laser Melting on the Microstructure and Biodegradation Properties of Pure Mg. <i>Metals</i> , 2020 , 10, 1527	2.3	1
7	Influence of graphene oxide (GO) on microstructure and biodegradation of ZK30-xGO composites prepared by selective laser melting. <i>Journal of Magnesium and Alloys</i> , 2020 , 8, 952-962	8.8	12
6	Influence of Tempering Temperature on the Microstructure and Mechanical Properties of a Cr-Ni-Mo-Alloyed Steel for Rock Drill Applications. <i>Steel Research International</i> , 2019 , 90, 1900297	1.6	3
5	Improvement of biodegradable and antibacterial properties by solution treatment and micro-arc oxidation (MAO) of a magnesium alloy with a trace of copper. <i>Corrosion Science</i> , 2019 , 156, 125-138	6.8	39
4	Biodegradation Behavior of Coated As-Extruded Mg-Bi Alloy in Simulated Body Fluid. <i>Acta Metallurgica Sinica (English Letters)</i> , 2019 , 32, 1195-1206	2.5	18
3	Correlation of grain boundary extra free volume with vacancy and solute segregation at grain boundaries: a case study for Al. <i>Philosophical Magazine</i> , 2018 , 98, 464-483	1.6	21

2	Characterization of Hot Deformation Behavior of a Novel AlCuLi Alloy Using Processing Maps. <i>Acta Metallurgica Sinica (English Letters)</i> , 2015 , 28, 817-825	2.5	14
1	Effects of solution treatment on mechanical properties and microstructures of Al-Li-Cu-Mg-Ag alloy. <i>Journal of Central South University</i> , 2013 , 20, 2083-2089	2.1	4