

Ying-chao Zhao

List of Publications by Citations

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Version: 2024-04-10

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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.

17 papers	609 citations	9 h-index	17 g-index
17 ext. papers	701 ext. citations	3.3 avg, IF	3.68 L-index

#	Paper	IF	Citations
17	Influence of the β -phase morphology on the corrosion of the Mg alloy AZ91. <i>Corrosion Science</i> , 2008 , 50, 1939-1953	6.8	437
16	Formation and characteristic corrosion behavior of alternately lamellar arranged β and α in as-cast AZ91 Mg alloy. <i>Journal of Alloys and Compounds</i> , 2019 , 770, 549-558	5.7	37
15	Formation of Bimodal-Sized Structure and Its Tensile Properties in a Warm-Rolled and Annealed Ultrafine-Grained Ferrite/Cementite Steel. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2008 , 39, 1691-1701	2.3	33
14	Lath boundary thin-film martensite in acicular ferrite ultralow carbon pipeline steels. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005 , 395, 327-332	5.3	20
13	Biodegradation Behavior of Coated As-Extruded MgBr Alloy in Simulated Body Fluid. <i>Acta Metallurgica Sinica (English Letters)</i> , 2019 , 32, 1195-1206	2.5	18
12	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
11	Hot Deformation Behavior of a New Nuclear Use Reduced Activation Ferritic/Martensitic Steel. <i>Acta Metallurgica Sinica (English Letters)</i> , 2019 , 32, 825-834	2.5	13
10	Study on Fe-xGO Composites Prepared by Selective Laser Melting: Microstructure, Hardness, Biodegradation and Cytocompatibility. <i>Jom</i> , 2020 , 72, 1163-1174	2.1	12
9	Ultra-high cycle fatigue behavior of a novel 1.9 GPa grade super-high-strength maraging stainless steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019 , 755, 50-56	5.3	9
8	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
7	Influence of Tempering Temperature on the Microstructure and Mechanical Properties of a CrNiMo-Alloyed Steel for Rock Drill Applications. <i>Steel Research International</i> , 2019 , 90, 1900297	1.6	3
6	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
5	A Novel Heat Treatment for Excavator Dipper Teeth Manufactured from Low-Carbon Low-Alloy Steel. <i>Steel Research International</i> , 2013 , 84, 89-93	1.6	2
4	Microstructure and mechanical properties of AZ31 alloy ingot fabricated by semi-continuous casting. <i>Journal of Central South University</i> , 2014 , 21, 2984-2990	2.1	1
3	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
2	Study on a Novel Biodegradable and Antibacterial Fe-Based Alloy Prepared by Microwave Sintering. <i>Materials</i> , 2021 , 14,	3.5	1
1	Elimination of Primary NbC Carbides in HSLA Steels for Oil Industry Tubular Goods. <i>Jom</i> , 1	2.1	1

