Ying-chao Zhao

List of Publications by Year in Descending Order

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	Biodegradation behaviour of hydroxyapatite-containing self-sealing micro-arc-oxidation coating on pure Mg. *Surface Engineering*, **2021**, 37, 942-952	2.6	4
16	Study on a Novel Biodegradable and Antibacterial Fe-Based Alloy Prepared by Microwave Sintering. *Materials*, **2021**, 14,	3.5	1
15	In Vitro Corrosion Resistance and Antibacterial Performance of Novel Fe□Cu Biomedical Alloys Prepared by Selective Laser Melting. *Advanced Engineering Materials*, **2021**, 23, 2001000	3.5	3
14	Microstructural evolution upon heat treatments and its effect on corrosion in Al-Zn-Mg alloys containing Sc and Zr. *Journal of Materials Research and Technology*, **2020**, 9, 5077-5089	5.5	14
13	Effect of Alloying Mn by Selective Laser Melting on the Microstructure and Biodegradation Properties of Pure Mg. *Metals*, **2020**, 10, 1527	2.3	1
12	Study on Fe-xGO Composites Prepared by Selective Laser Melting: Microstructure, Hardness, Biodegradation and Cytocompatibility. *Jom*, **2020**, 72, 1163-1174	2.1	12
11	Influence of Tempering Temperature on the Microstructure and Mechanical Properties of a Cr□Ni□Mo-Alloyed Steel for Rock Drill Applications. *Steel Research International*, **2019**, 90, 1900297	1.6	3
10	Biodegradation Behavior of Coated As-Extruded Mg□r Alloy in Simulated Body Fluid. *Acta Metallurgica Sinica (English Letters)*, **2019**, 32, 1195-1206	2.5	18
9	Ultra-high cycle fatigue behavior of a novel 1.9 GPa grade super-high-strength maraging stainless steel. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2019**, 755, 50-56	5.3	9
8	Formation and characteristic corrosion behavior of alternately lamellar arranged □ and □ in as-cast AZ91 Mg alloy. *Journal of Alloys and Compounds*, **2019**, 770, 549-558	5.7	37
7	Hot Deformation Behavior of a New Nuclear Use Reduced Activation Ferritic/Martensitic Steel. *Acta Metallurgica Sinica (English Letters)*, **2019**, 32, 825-834	2.5	13
6	Microstructure and mechanical properties of AZ31 alloy ingot fabricated by semi-continuous casting. *Journal of Central South University*, **2014**, 21, 2984-2990	2.1	1
5	A Novel Heat Treatment for Excavator Dipper Teeth Manufactured from Low-Carbon Low-Alloy Steel. *Steel Research International*, **2013**, 84, 89-93	1.6	2
4	Influence of the □phase morphology on the corrosion of the Mg alloy AZ91. *Corrosion Science*, **2008**, 50, 1939-1953	6.8	437
3	Formation of Bimodal-Sized Structure and Its Tensile Properties in a Warm-Rolled and Annealed Ultrafine-Grained Ferrite/Cementite Steel. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2008**, 39, 1691-1701	2.3	33
2	Lath boundary thin-film martensite in acicular ferrite ultralow carbon pipeline steels. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2005**, 395, 327-332	5.3	20
1	Elimination of Primary NbC Carbides in HSLA Steels for Oil Industry Tubular Goods. *Jom*,1	2.1	1