

Bing Zhang

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.

15
papers

732
citations

7
h-index

16
g-index

16
ext. papers

827
ext. citations

3.8
avg. IF

3.81
L-index

#	Paper	IF	Citations
15	Cavitation erosion behavior of high-nitrogen austenitic stainless steel: Effect and design of grain-boundary characteristics. <i>Materials and Design</i> , 2021 , 201, 109496	8.1	5
14	Influence of niobium and yttrium on plastic deformation energy and plasticity of Ti-based amorphous alloys. <i>China Foundry</i> , 2021 , 18, 60-67	0.8	0
13	In-situ study on cavitation erosion behavior of super ferritic stainless steel. <i>Wear</i> , 2021 , 482-483, 2039863	3.5	3
12	Significant Improvement the Mechanical Properties of CoCrNi Alloy by Tailoring a Dual FCC-Phase Structure. <i>Materials</i> , 2020 , 13,	3.5	1
11	Mechanical and Damping Behavior of Age-Hardened and Non-age-hardened Al Alloys After Friction Stir Processing. <i>Acta Metallurgica Sinica (English Letters)</i> , 2019 , 32, 1135-1141	2.5	17
10	Effects of Sc and Zr microalloying on the microstructure and mechanical properties of high Cu content 7xxx Al alloy. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2019 , 26, 1559-1569	3.1	5
9	Diffusion-controlled alloying of single-phase multi-principal transition metal carbides with high toughness and low thermal diffusivity. <i>Applied Physics Letters</i> , 2019 , 114, 011905	3.4	28
8	Facile synthesis of a ZnO-BiOI p-n nano-heterojunction with excellent visible-light photocatalytic activity. <i>Beilstein Journal of Nanotechnology</i> , 2018 , 9, 789-800	3	16
7	Double glow plasma carburization on zirconium to improve surface hardness and wear resistance. <i>Rare Metals</i> , 2017 , 36, 569-573	5.5	7
6	Corrosion property of copperized layer on Zr formed by double glow plasma surface alloying technique. <i>Rare Metals</i> , 2016 , 35, 711-717	5.5	3
5	Effect of Ag ⁺ and PO ₄ ³⁻ ratios on the microstructure and photocatalytic activity of Ag ₃ PO ₄ . <i>Functional Materials Letters</i> , 2016 , 09, 1650063	1.2	10
4	Effect of aspect ratio and surface defects on the photocatalytic activity of ZnO nanorods. <i>Scientific Reports</i> , 2014 , 4, 4596	4.9	624
3	NiB coating on AZ31 magnesium alloy and its crystallization. <i>Rare Metals</i> , 2013 , 32, 465-468	5.5	2
2	Crystallization and thermal fatigue of ZrTiCuNiBe bulk amorphous alloys heated by laser pulses. <i>Science China: Physics, Mechanics and Astronomy</i> , 2010 , 53, 419-423	3.6	7
1	Electrochemical corrosion and oxidation resistances of Zr ₆₀ Ni ₂₁ Al ₁₉ bulk amorphous alloys. <i>Science China: Physics, Mechanics and Astronomy</i> , 2010 , 53, 2223-2226	3.6	4