

Bing Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

930
citations

1306789

7
h-index

940134

16
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16
all docs

16
docs citations

16
times ranked

2049
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of aspect ratio and surface defects on the photocatalytic activity of ZnO nanorods. Scientific Reports, 2014, 4, 4596.	1.6	761
2	Diffusion-controlled alloying of single-phase multi-principal transition metal carbides with high toughness and low thermal diffusivity. Applied Physics Letters, 2019, 114, .	1.5	48
3	Facile synthesis of a ZnO/BiOI nano-heterojunction with excellent visible-light photocatalytic activity. Beilstein Journal of Nanotechnology, 2018, 9, 789-800.	1.5	27
4	Mechanical and Damping Behavior of Age-Hardened and Non-age-hardened Al Alloys After Friction Stir Processing. Acta Metallurgica Sinica (English Letters), 2019, 32, 1135-1141.	1.5	24
5	Effect of Ag ⁺ and PO ₄ ³⁻ ratios on the microstructure and photocatalytic activity of Ag ₃ PO ₄ . Functional Materials Letters, 2016, 09, 1650063.	0.7	11
6	Effects of Sc and Zr microalloying on the microstructure and mechanical properties of high Cu content 7xxx Al alloy. International Journal of Minerals, Metallurgy and Materials, 2019, 26, 1559-1569.	2.4	11
7	Cavitation erosion behavior of high-nitrogen austenitic stainless steel: Effect and design of grain-boundary characteristics. Materials and Design, 2021, 201, 109496.	3.3	10
8	Crystallization and thermal fatigue of ZrTiCuNiBe bulk amorphous alloys heated by laser pulses. Science China: Physics, Mechanics and Astronomy, 2010, 53, 419-423.	2.0	7
9	Double glow plasma carburization on zirconium to improve surface hardness and wear resistance. Rare Metals, 2017, 36, 569-573.	3.6	7
10	Significant Improvement the Mechanical Properties of CoCrNi Alloy by Tailoring a Dual FCC-Phase Structure. Materials, 2020, 13, 4909.	1.3	5
11	Electrochemical corrosion and oxidation resistances of Zr ₆₀ Ni ₂₁ Al ₁₉ bulk amorphous alloys. Science China: Physics, Mechanics and Astronomy, 2010, 53, 2223-2226.	2.0	4
12	Ni-P coating on AZ31 magnesium alloy and its crystallization. Rare Metals, 2013, 32, 465-468.	3.6	4
13	Corrosion property of copperized layer on Zr formed by double glow plasma surface alloying technique. Rare Metals, 2016, 35, 711-717.	3.6	4
14	In-situ study on cavitation erosion behavior of super ferritic stainless steel. Wear, 2021, 482-483, 203986.	1.5	4
15	Influence of niobium and yttrium on plastic deformation energy and plasticity of Ti-based amorphous alloys. China Foundry, 2021, 18, 60-67.	0.5	2
16	Novel Anisotropic Ductility of a High Strength Annealed Ti-20Zr-6.5Al-4V Alloy. Materials, 2018, 11, 529.	1.3	1