Chaorun Si

List of Publications by Year
in descending order

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17	256	1163117 8	940533 16
papers	citations	h-index	g-index

17	17	17	192
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of ultrasonic shot peening on microstructure evolution and corrosion resistance of selective laser melted Tiâ€“6Alâ€“4V alloy. Journal of Materials Research and Technology, 2021, 11, 1090-1099.	5.8	61
2	Characteristics of 7055Al alloy powders manufactured by gas-solid two-phase atomization: A comparison with gas atomization process. Materials and Design, 2017, 118, 66-74.	7.0	44
3	Microstructure, corrosion-resistance, and wear-resistance properties of subsonic flame sprayed amorphous Feâ€“Moâ€“Crâ€“Co coating with extremely high amorphous rate. Journal of Materials Research and Technology, 2020, 9, 3292-3303.	5.8	42
4	Microstructure and mechanical properties of particle reinforced metal matrix composites prepared by gas-solid two-phase atomization and deposition technology. Materials Letters, 2017, 201, 78-81.	2.6	17
5	The influence of ultrasonic shot peening on the surface roughness, microstructure, and mechanical properties of TC2 thin-sheet. Journal of Materials Research and Technology, 2021, 15, 384-393.	5.8	17
6	Influence of mechanical alloying on the particle size, microstructure and soft magnetic properties of coarse Fe-based amorphous powders prepared by gas atomization. Journal of Non-Crystalline Solids, 2021, 559, 120675.	3.1	16
7	Excellent corrosion resistant amorphous coating prepared by gas atomization followed by AC-HVAF spray technology. Materials Research Express, 2019, 6, 055202.	1.6	9
8	High response speed microfluidic ice valves with enhanced thermal conductivity and a movable refrigeration source. Scientific Reports, 2017, 7, 40570.	3.3	8
9	Microstructure, Mechanical and Wear Performance of Fe-Based Amorphous Coatings Fabricated by High Velocity Air-Fuel Spraying. Journal of Thermal Spray Technology, 2022, 31, 956-967.	3.1	8
10	Residual stress and microhardness evolution induced by conventional and ultrasonic shot peening. Materials Science and Technology, 2022, 38, 436-443.	1.6	8
11	Microstructure and mechanical properties of low-pressure spray-formed Zn-rich aluminum alloy. Materials Express, 2017, 7, 273-282.	0.5	7
12	Surface repairing and strengthening of TC4 ally with recast layer by ultrasonic shot peening. Materials Letters, 2020, 263, 127272.	2.6	6
13	Microstructure change and corrosion resistance of selective laser melted Ti-6Al-4V alloy subjected to pneumatic shot peening and ultrasonic shot peening. Surface Topography: Metrology and Properties, 2022, 10, 015010.	1.6	6
14	Elastic properties of single-walled carbon nanotube thin film by nanoindentation test. Scientific Reports, 2017, 7, 11438.	3.3	5
15	Effect of Dislocation Magnification and Solute Atoms Concentration Variation on the Electroplastic Effect of 2024 Aluminum Alloy. Science of Advanced Materials, 2017, 9, 1468-1475.	0.7	1
16	Investigation of Electrical Pulse Induced Retrogression and Restoration Effect of Alâ€“Mgâ€“Si Alloy. Science of Advanced Materials, 2017, 9, 1662-1668.	0.7	1
17	A Bilinear Model for Single-Walled Carbon Nanotube Films Characterization Using a Reliability-Based Optimization Method. Science of Advanced Materials, 2018, 10, 739-746.	0.7	0