

# Chaorun Si

## List of Publications by Year in descending order

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17  
papers

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citations

1163117

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940533

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docs citations

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times ranked

192  
citing authors

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