

Chengyang Hu

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

181
citations

1307594

7
h-index

1199594

12
g-index

12
all docs

12
docs citations

12
times ranked

68
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of retained austenite on impact toughness and fracture behavior of medium carbon submicron-structured bainitic steel. <i>Journal of Materials Research and Technology</i> , 2021, 14, 1021-1034.	5.8	45
2	Grain refinement strengthening mechanism of an austenitic stainless steel: critically analyze the impacts of grain interior and grain boundary. <i>Journal of Materials Research and Technology</i> , 2022, 17, 2999-3012.	5.8	30
3	Improving the yield strength of an antibacterial 304Cu austenitic stainless steel by the reversion treatment. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 793, 139885.	5.6	22
4	On the impacts of grain refinement and strain-induced deformation on three-body abrasive wear responses of 18Crâ€“8Ni austenitic stainless steel. <i>Wear</i> , 2020, 446-447, 203181.	3.1	16
5	Insight into the impact of microstructure on crack initiation/propagation behavior in carbide-free bainitic steel during tensile deformation. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022, 846, 143175.	5.6	14
6	The significance of phase reversion-induced nanograined/ultrafine-grained structure on the load-controlled deformation response and related mechanism in copper-bearing austenitic stainless steel. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020, 104, 103666.	3.1	12
7	The impact of annealing temperature on the microstructure - Properties relationship of reversion-induced austenitic stainless steels. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022, 843, 143100.	5.6	11
8	Effect of nickel on hardening behavior and mechanical properties of nanostructured bainite-austenite steels. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 817, 141410.	5.6	7
9	The synergistic effect of grain boundary and grain orientation on micro-mechanical properties of austenitic stainless steel. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021, 118, 104473.	3.1	7
10	Insight into the effect of Nb microalloying on the microstructureâ€“property relationship of a novel wire rod. <i>Journal of Materials Research and Technology</i> , 2022, 16, 276-289.	5.8	7
11	Effect of Microadditives on Center Segregation and Mechanical Properties of High-Strength Low-Alloy Steels. <i>Metallurgist</i> , 2016, 60, 888-895.	0.6	5
12	Insight in the impact of pre-deformation on structure - deformation - property relationship in Cr-Mn-N stainless steel. <i>Materials Characterization</i> , 2022, 184, 111689.	4.4	5