

Yinhui Zhang

List of Publications by Year in descending order

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13
papers

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1937685

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citing authors

#	ARTICLE	IF	CITATIONS
1	Improvement of Impact Toughness of the Welding Heat-Affected Zone in High-Strength Low-Alloy Steels through Ca Deoxidation. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2021, 52, 668-679.	2.2	20
2	The Effect of Ca Content on the Formation Behavior of Inclusions in the Heat Affected Zone of Thick High-Strength Low-Alloy Steel Plates after Large Heat Input Weldings. Metals, 2019, 9, 1328.	2.3	10
3	Effects of Al addition on austenite grain growth, submicrometre and nanometre particles in heat-affected zone of steel plates with Mg deoxidation. Ironmaking and Steelmaking, 2021, 48, 417-427.	2.1	7
4	Microstructure and Fracture Characteristics of Heat-Affected Zone in Shipbuilding Steel Plates with Mg Deoxidation after High Heat Input Welding. Steel Research International, 2021, 92, 2100376.	1.8	7
5	Formation of Nb(C,N) Carbonitride in Cast Austenitic Heat-Resistant Steel during Directional Solidification under Different Withdraw Rates. Materials, 2018, 11, 2397.	2.9	5
6	Relationship between the Microstructure and Impact Toughness of the Coarse-Grained Heat-Affected Zone for Offshore Engineering Steels with Different Mg Contents. Steel Research International, 2021, 92, 2100099.	1.8	5
7	Effect of N/C Ratio on Precipitation Behavior of (Cr,Fe) ₂₃ C ₆ Carbide in Novel Cast Austenitic Heat-Resistant Steels during Directional Solidification. Metals, 2018, 8, 678.	2.3	4
8	Microstructure Evolution in Heat-Affected Zone of Shipbuilding Steel Plates with Mg Deoxidation Containing Different Nb Contents. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2022, 53, 1512-1528.	2.2	4
9	Effect of B Segregation at Prior Austenite Grain Boundaries on Microstructures and Toughness in the Heat-Affected Zone of Mg-Deoxidized Shipbuilding Steel Plates. Steel Research International, 2022, 93, .	1.8	3
10	Effect of Welding Heat Input on the Microstructure and Impact Toughness of HAZ in 420MPa-Grade Offshore Engineering Steel. Frontiers in Materials, 2021, 8, .	2.4	2
11	<i>In-situ</i> Observation of Bainite Transformation in CGHAZ of 420 MPa Grade Offshore Engineering Steel with Different Mo Contents. ISIJ International, 2022, 62, 714-725.	1.4	2
12	Morphology and crystallography of microstructures in Mg-deoxidized offshore engineering steels after simulated welding thermal cycles. Ironmaking and Steelmaking, 0, , 1-13.	2.1	1
13	Toughness and fracture mechanism at low temperature of offshore engineering steel at different welding heat inputs. Metallurgical Research and Technology, 2022, 119, 405.	0.7	1