

Jae Sang Lee

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Kinetic Model to Investigate the Effect of Cooling Rate on $\hat{\gamma}$ -Ferrite Behavior and Its Application in Continuous Casting of AISI 304 Stainless Steel. <i>Metals and Materials International</i> , 2022, 28, 2263-2276.	3.4	5
2	Prediction of Retained Austenite Fraction in Quenching-and-Partitioning (Q&P) Steels Using the Gibbs Energy Balance Approach. <i>Metals and Materials International</i> , 2022, 28, 2059-2067.	3.4	3
3	Interplay of Nb addition and annealing temperature and its influence on microstructure and tensile properties of multiphase steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022, 833, 142555.	5.6	5
4	Improved hot ductility of an as-cast high Mn TWIP steel by direct implementation of an MnS-containing master alloy. <i>Scripta Materialia</i> , 2022, 215, 114685.	5.2	8
5	Influence of Microstructure Constituents on the Hydrogen-Induced Mechanical Degradation in Ultra-High Strength Sheet Steels. <i>Metals and Materials International</i> , 2021, 27, 3959-3967.	3.4	13
6	The effect of Ni depletion on athermal martensitic transformation in 304 austenitic stainless steel. <i>Materials Characterization</i> , 2021, 175, 111063.	4.4	10
7	Role of the annealing twin boundary on the athermal $\hat{\gamma}$ -martensite formation in a 304 austenitic stainless steel. <i>Materialia</i> , 2021, 20, 101218.	2.7	6
8	Analysis of transformation stasis by the Gibbs energy balance (GEB) approach modified to consider carbon redistribution into remaining austenite. <i>Calphad: Computer Coupling of Phase Diagrams and Thermochemistry</i> , 2020, 70, 101804.	1.6	2
9	Quenching and partitioning (Q&P) processed medium Mn steel starting from heterogeneous microstructure. <i>Materialia</i> , 2020, 12, 100757.	2.7	11
10	Numerical modelling of moving interfaces under local equilibrium conditions. <i>Calphad: Computer Coupling of Phase Diagrams and Thermochemistry</i> , 2017, 59, 164-170.	1.6	2
11	3D simulations of grain growth in polycrystalline sheets and rods: Effects of free surface and shape of specimen. <i>Scripta Materialia</i> , 2016, 110, 113-116.	5.2	7
12	Effect of Boron Precipitation Behavior on the Hot Ductility of Boron Containing Steel. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2010, 41, 1421-1428.	2.2	31