Jae Sang Lee

List of Publications by Year
in descending order

12 papers	103 citations	1478505 6 h-index	1372567 10 g-index
12 all docs	12 docs citations	12 times ranked	41 citing authors

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