

# Suk Chun Moon

## List of Publications by Year in descending order

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10  
papers

105  
citations

1478505

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1372567

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docs citations

11  
times ranked

80  
citing authors

#	ARTICLE	IF	CITATIONS
1	New insights of the peritectic phase transition in steel through in-situ measurement of thermal response in a high-temperature confocal microscope. <i>Materials Characterization</i> , 2021, 172, 110841.	4.4	9
2	Exploring the Ti-5553 phase transformations utilizing in-situ high-temperature laser-scanning confocal microscopy. <i>Materials Characterization</i> , 2020, 159, 110013.	4.4	5
3	In situ characterisation of MnS precipitation in high carbon steel. <i>Scientific Reports</i> , 2019, 9, 10096.	3.3	16
4	Quantitative Thermal Analysis of Solidification in a High-Temperature Laser-Scanning Confocal Microscope. <i>Minerals, Metals and Materials Series</i> , 2019, , 131-141.	0.4	2
5	Experimental evidence of liquid feeding during solidification of a steel. <i>Scripta Materialia</i> , 2018, 146, 105-109.	5.2	28
6	Engulfment Behavior of Inclusions in High-Carbon Steel: Theoretical and Experimental Investigation. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2018, 49, 2986-2997.	2.1	3
7	In-situ microstructural observation of Ti-Cu alloys for semi-solid processing. <i>Materials Characterization</i> , 2018, 145, 10-19.	4.4	15
8	Solidification and the $\delta/\beta$ phase transformation of steels in relation to casting defects. <i>IOP Conference Series: Materials Science and Engineering</i> , 2012, 27, 012061.	0.6	3
9	Development of healing control technology for reducing breakout in thin slab casters. <i>Control Engineering Practice</i> , 2009, 17, 3-13.	5.5	12
10	Re-start Technology for Reducing Sticking-type Breakout in Thin Slab Caster. <i>ISIJ International</i> , 2008, 48, 48-57.	1.4	10