

Niels Skat Tiedje

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/94983/publications.pdf>

Version: 2024-02-01

10
papers

114
citations

1478505

6
h-index

1588992

8
g-index

10
all docs

10
docs citations

10
times ranked

132
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent trends in X-ray based characterization of nodular cast iron. <i>Material Design and Processing Communications</i> , 2021, 3, e212.	0.9	0
2	Micromechanical impact of solidification regions in ductile iron revealed via a 3D strain partitioning analysis method. <i>Scripta Materialia</i> , 2020, 178, 463-467.	5.2	11
3	Creep of the Matrix During Coalescence and Overgrowth of Graphite Precipitates in a High-Silicon Spheroidal Graphite Iron Submitted to Thermal Cycling in the Ferritic Domain. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2020, 51, 2685-2688.	2.2	0
4	Distance map based micromechanical analysis of the impact of matrix heterogeneities on the yield stress of nodular cast iron. <i>Mechanics of Materials</i> , 2020, 148, 103414.	3.2	4
5	Microstructure and residual elastic strain at graphite nodules in ductile cast iron analyzed by synchrotron X-ray microdiffraction. <i>Acta Materialia</i> , 2019, 167, 221-230.	7.9	26
6	Geometric Form of Gating System Elements and Its Influence on the Initial Filling Phase. <i>Journal of Materials Engineering and Performance</i> , 2019, 28, 3922-3928.	2.5	9
7	Using sol-gel component as additive to foundry coatings to improve casting quality. <i>International Journal of Cast Metals Research</i> , 2012, 25, 176-187.	1.0	3
8	Feeding and Distribution of Porosity in Cast Al-Si Alloys as Function of Alloy Composition and Modification. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2012, 43, 4846-4858.	2.2	30
9	Investigation of the Stability of Melt Flow in Gating Systems. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2011, 42, 189-201.	2.1	6
10	Emission of organic compounds from mould and core binders used for casting iron, aluminium and bronze in sand moulds. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2010, 45, 1866-1876.	1.7	25