

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