John Rotella

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/12080571/publications.pdf

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10 papers	250 citations	1684188 5 h-index	1372567 10 g-index
11 all docs	11 docs citations	11 times ranked	300 citing authors

#	Article	IF	Citations
1	Fatigue behavior of IN718 microtrusses produced via additive manufacturing. Materials and Design, 2016, 105, 278-289.	7.0	86
2	Role of heat treatment and build orientation in the microstructure sensitive deformation characteristics of IN718 produced via SLM additive manufacturing. Additive Manufacturing, 2018, 22, 479-496.	3.0	58
3	Grain boundary engineering of powder processed Ni-base superalloy RR1000: Influence of the deformation parameters. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 627, 95-105.	5.6	48
4	A complete grain-level assessment of the stress-strain evolution and associated deformation response in polycrystalline alloys. Acta Materialia, 2020, 201, 36-54.	7.9	27
5	Tailoring the Properties of a Ni-Based Superalloy via Modification of the Forging Process: an ICME Approach to Fatigue Performance. Integrating Materials and Manufacturing Innovation, 2017, 6, 265-278.	2.6	15
6	Residual Strain Analysis in Linear Friction Welds of Similar and Dissimilar Titanium Alloys Using Energy Dispersive X-ray Diffraction. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2019, 50, 704-718.	2.2	5
7	Microstructuralâ€based strain accumulation during cyclic loading of Niâ€based superalloys: The role of neighboring grains on interconnected slip bands. Fatigue and Fracture of Engineering Materials and Structures, 2020, 43, 2270-2286.	3.4	3
8	Application of ICME to Engineer Fatigue-Resistant Ni-Base Superalloys Microstructures. Jom, 2018, 70, 2485-2492.	1.9	2
9	Dwell-Fatigue of Ni-Based Superalloys with Serrated and Planar Grain Boundary Morphologies: The Role of the Î³â€² Phase on Strain Accumulation and Cavitation. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2021, 52, 5079.	2.2	2
10	Examining the pathways for deformation band formation at the mesoscale. Materials Characterization, 2021, 182, 111552.	4.4	2