

Tuomo Nyysäjänen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1942619/publications.pdf>

Version: 2024-02-01

16
papers

508
citations

1040056

9
h-index

1058476

14
g-index

16
all docs

16
docs citations

16
times ranked

397
citing authors

#	ARTICLE	IF	CITATIONS
1	Parent grain reconstruction from partially or fully transformed microstructures in <i>MTEX</i>. Journal of Applied Crystallography, 2022, 55, 180-194.	4.5	116
2	Iterative Determination of the Orientation Relationship Between Austenite and Martensite from a Large Amount of Grain Pair Misorientations. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2016, 47, 2587-2590.	2.2	103
3	Crystallography, Morphology, and Martensite Transformation of Prior Austenite in Intercritically Annealed High-Aluminum Steel. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2018, 49, 6426-6441.	2.2	67
4	Uncoupling the effects of strain rate and adiabatic heating on strain induced martensitic phase transformations in a metastable austenitic steel. Acta Materialia, 2019, 176, 134-144.	7.9	47
5	Diversity of TiO ₂ : Controlling the Molecular and Electronic Structure of Atomic-Layer-Deposited Black TiO ₂ . ACS Applied Materials & Interfaces, 2019, 11, 2758-2762.	8.0	38
6	The effect of initial microstructure on the final properties of press hardened 22MnB5 steels. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 676, 109-120.	5.6	34
7	The variant graph approach to improved parent grain reconstruction. Materialia, 2022, 22, 101399.	2.7	33
8	Computational Design of a Novel Medium-Carbon, Low-Alloy Steel Microalloyed with Niobium. Journal of Materials Engineering and Performance, 2018, 27, 2978-2992.	2.5	23
9	Observations on the Relationship between Crystal Orientation and the Level of Auto-Tempering in an As-Quenched Martensitic Steel. Metals, 2019, 9, 1255.	2.3	16
10	The effect of microstructure and lead content on the tribological properties of bearing alloys. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2013, 227, 878-887.	1.8	9
11	Quenching and Partitioning of Multiphase Aluminum-Added Steels. Metals, 2019, 9, 373.	2.3	7
12	Crystallography and mechanical properties of intercritically annealed quench and partitioned high-aluminum steel. Materials Characterization, 2019, 148, 71-80.	4.4	7
13	Tribological Behavior of Bronze Alloys with Solid Lubricants. Key Engineering Materials, 0, 527, 205-210.	0.4	5
14	Cavitation Erosion Resistance Assessment and Comparison of Three Francis Turbine Runner Materials. Materials Performance and Characterization, 2018, 7, 20180015.	0.3	2
15	Temperature and Strain Rate Effects on the Mechanical Behavior of Ferritic Stainless Steels. Conference Proceedings of the Society for Experimental Mechanics, 2014, , 161-166.	0.5	1
16	Microstructural Response of High Aluminum Steels to Quenching and Partitioning Treatment. , 2013, , .		0