

Tuomo Nyysäjänen

List of Publications by Year in descending order

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16
papers

508
citations

1040056

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1058476

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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	The variant graph approach to improved parent grain reconstruction. Materialia, 2022, 22, 101399.	2.7	33
3	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
4	Quenching and Partitioning of Multiphase Aluminum-Added Steels. Metals, 2019, 9, 373.	2.3	7
5	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
6	Crystallography and mechanical properties of intercritically annealed quench and partitioned high-aluminum steel. Materials Characterization, 2019, 148, 71-80.	4.4	7
7	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
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	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
10	Cavitation Erosion Resistance Assessment and Comparison of Three Francis Turbine Runner Materials. Materials Performance and Characterization, 2018, 7, 20180015.	0.3	2
11	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
12	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
13	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
14	Microstructural Response of High Aluminum Steels to Quenching and Partitioning Treatment. , 2013, , .		0
15	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
16	Tribological Behavior of Bronze Alloys with Solid Lubricants. Key Engineering Materials, 0, 527, 205-210.	0.4	5