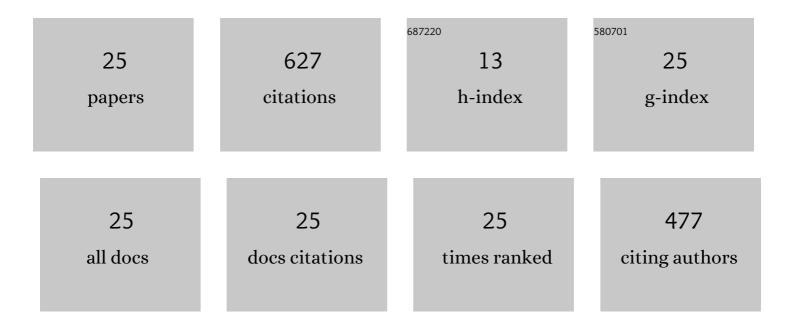


## List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	An electron backscattered diffraction study on the dynamic recrystallization behavior of a nickel–chromium alloy (800H) during hot deformation. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 585, 71-85.	2.6	182
2	Hot deformation behavior of Ti-15-3 titanium alloy: a study using processing maps, activation energy map, and Zener–Hollomon parameter map. Journal of Materials Science, 2012, 47, 4000-4011.	1.7	114
3	On the hot deformation behavior of AISI 420 stainless steel based on constitutive analysis and CSL model. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 593, 111-119.	2.6	45
4	Characteristic and mechanism of dynamic recrystallization in a newly developed Fe-Cr-Ni-Al-Nb superalloy during hot deformation. Journal of Alloys and Compounds, 2021, 865, 158601.	2.8	31
5	Grain boundary character distribution during the post-deformation recrystallization of Incoloy 800H at elevated temperature. Materials Letters, 2016, 163, 24-27.	1.3	26
6	Dynamic behavior and modified artificial neural network model for predicting flow stress during hot deformation of Alloy 925. Materials Today Communications, 2020, 25, 101329.	0.9	26
7	Thermal deformation behavior and microstructure evolution of GH4169 superalloy under the shear-compression deformation conditions. Materials and Design, 2021, 212, 110195.	3.3	22
8	Influence of dynamic strain aging on the mechanical properties and microstructural evolution for Alloy 800H during hot deformation. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 724, 37-44.	2.6	21
9	Investigation on microstructure and localized corrosion behavior in the stir zone of dissimilar friction-stir-welded AA2024/7075 joint. Journal of Materials Science, 2020, 55, 15005-15032.	1.7	18
10	Optimization of Tensile and Corrosion Properties of Dissimilar Friction Stir Welded AA2024-7075 Joints. Journal of Materials Engineering and Performance, 2019, 28, 183-199.	1.2	16
11	Research on the hot deformation behavior of a Fe–Ni–Cr alloy (800H) at temperatures above 1000°C. Journal of Nuclear Materials, 2015, 465, 104-115.	1.3	15
12	Texture and microstructure evolution of Incoloy 800H superalloy during hot rolling and solution treatment. Journal of Alloys and Compounds, 2017, 698, 304-316.	2.8	15
13	A quantitative study on planar mechanical anisotropy of a Mg-2Zn-1Ca alloy. Journal of Materials Science and Technology, 2022, 109, 30-48.	5.6	15
14	RESEARCH ON HOT DEFORMATION BEHAVIOR ANDHOT WORKABILITY OF ALLOY 800H. Jinshu Xuebao/Acta Metallurgica Sinica, 2013, 49, 811.	0.3	14
15	Effect of dynamic strain aging and precipitation on the hot deformation behavior of 253MA heat-resistant alloy. Journal of Materials Science, 2019, 54, 1716-1727.	1.7	12
16	Three-dimensional hot processing map of a nickel-based superalloy (Alloy 925) established by modified artificial neural network model. Intermetallics, 2022, 141, 107433.	1.8	11
17	On the grain boundary character distribution of Incoloy 800H during dynamic recrystallization. Journal of Nuclear Materials, 2017, 486, 21-25.	1.3	10
18	Plastic thermal deformation behavior and microstructure evolution of solid solution strengthened Ni-based superalloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 819, 141533.	2.6	7

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#	Article	IF	CITATIONS
19	An Improved Constitutive Model Based on BP Artificial Neural Network and 3D Processing Maps of a Spray-Formed Al–Cu–Li Alloy. Transactions of the Indian Institute of Metals, 2021, 74, 1809.	0.7	6
20	Microstructure and Texture of an Aluminum Plate Produced by Multipass Cold Rolling and Graded Annealing Process. Metals, 2022, 12, 260.	1.0	6
21	Orientation-Dependent Characteristics for Residual Grains during Hot Deformation of Nickel-Based Alloy 925. Acta Metallurgica Sinica (English Letters), 2021, 34, 1296-1306.	1.5	4
22	Evolution of strain-induced precipitates in Inconel 617B alloy and their effect on flow behavior. Journal of Alloys and Compounds, 2022, 891, 161992.	2.8	4
23	Hot Deformation Characteristics and Dynamic Recrystallization Mechanisms of a Newly Developed Austenitic Heat-Resistant Alloy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2021, 52, 5409-5428.	1.1	3
24	On the critical strain of thermal-mechanical processing to tailor grain boundary character distribution in INCOLOY 925 alloy. Intermetallics, 2022, 148, 107635.	1.8	3
25	Effect of Residual Deformation Energy and Critical Heating Rate on Cubic Texture and Grain Growth Behavior of Severely Deformed Aluminum Foil. Materials, 2022, 15, 1395.	1.3	1