

# Mohammad Javad Sohrabi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/12053692/publications.pdf>

Version: 2024-02-01

15  
papers

421  
citations

1040056

9  
h-index

996975

15  
g-index

15  
all docs

15  
docs citations

15  
times ranked

273  
citing authors

#	ARTICLE	IF	CITATIONS
1	Deformation-induced martensite in austenitic stainless steels: A review. Archives of Civil and Mechanical Engineering, 2020, 20, 1.	3.8	127
2	Solidification behavior and Laves phase dissolution during homogenization heat treatment of Inconel 718 superalloy. Vacuum, 2018, 154, 235-243.	3.5	94
3	Homogenization kinetics of a typical nickel-based superalloy. Journal of Alloys and Compounds, 2019, 793, 277-282.	5.5	35
4	Significance of Martensite Reversion and Austenite Stability to the Mechanical Properties and Transformation-Induced Plasticity Effect of Austenitic Stainless Steels. Journal of Materials Engineering and Performance, 2020, 29, 3233-3242.	2.5	29
5	Interdiffusion coefficients of alloying elements in a typical Ni-based superalloy. Vacuum, 2019, 169, 108875.	3.5	26
6	Revisiting the Diffusion of Niobium in an As-Cast Nickel-Based Superalloy During Annealing at Elevated Temperatures. Metals and Materials International, 2020, 26, 326-332.	3.4	25
7	Unexpected formation of delta ( $\delta$ ) phase in as-cast niobium-bearing superalloy at solution annealing temperatures. Materials Letters, 2020, 261, 127008.	2.6	16
8	Revealing the As-Cast and Homogenized Microstructures of Niobium-Bearing Nickel-Based Superalloy. International Journal of Metalcasting, 2019, 13, 320-330.	1.9	12
9	Thermodynamics basis of saturation of martensite content during reversion annealing of cold rolled metastable austenitic steel. Vacuum, 2020, 174, 109220.	3.5	12
10	Elucidating the effects of microsegregation on the precipitation phenomena in as-cast Nb-bearing superalloy. Materials Letters, 2020, 266, 127481.	2.6	9
11	Phase Transformation Kinetics During Annealing of Cold-Rolled AISI 309Si Stainless Steel. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2020, 51, 1955-1959.	2.2	9
12	Synergistic Investigations of Post-Deformation Annealing and Initial Microstructure on the Mechanical Properties of High Strength Low Alloy (HSLA) $\sigma$ 100 Steel. Steel Research International, 2021, 92, 2000627.	1.8	8
13	Detailed Hall-Petch Analysis of Cold Rolled and Annealed Duplex 2205 Stainless Steel. Steel Research International, 2022, 93, .	1.8	8
14	Estimation of homogenisation time for superalloys based on a new diffusional model. Materials Science and Technology, 2020, 36, 380-384.	1.6	7
15	Numerical and analytical solutions for determination of interdiffusion coefficients in superalloys during homogenization. Materials Today Communications, 2019, 21, 100631.	1.9	4