

# Santosh Kumar

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4171740/publications.pdf>

Version: 2024-02-01

11  
papers

97  
citations

1684188

5  
h-index

1588992

8  
g-index

11  
all docs

11  
docs citations

11  
times ranked

80  
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of nitrogen on kinetics of dynamic recrystallization in Fe-Cr-Ni-Mo steel. Vacuum, 2018, 156, 20-29.	3.5	39
2	Dependency of rate sensitive DRX behaviour on interstitial content of a Fe-Cr-Ni-Mo alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 743, 148-158.	5.6	19
3	Flow Softening Index for Assessment of Dynamic Recrystallization in an Austenitic Stainless Steel. Journal of Materials Engineering and Performance, 2017, 26, 3531-3547.	2.5	17
4	Assessing Constitutive Models for Prediction of High-Temperature Flow Behavior with a Perspective of Alloy Development. Journal of Materials Engineering and Performance, 2018, 27, 2024-2037.	2.5	8
5	Analysis of Elevated Temperature Flow Behavior of 316LN Stainless Steel Under Compressive Loading. Transactions of the Indian Institute of Metals, 2017, 70, 1857-1867.	1.5	5
6	Plastic deformation of SS 316LN: Thermo-mechanical and microstructural aspects. Procedia Engineering, 2017, 207, 1785-1790.	1.2	4
7	Hot Deformation and Microstructural Characteristics of Nitrogen Enhanced 316L Stainless Steel. Key Engineering Materials, 0, 716, 317-322.	0.4	3
8	Microstructure Mapping: An Approach to Quantitative Interpretation of Microstructural Evolution in Indian Fast Reactor Advanced Clad Material during Hot Forging. Materials Science Forum, 2015, 830-831, 350-353.	0.3	1
9	Integrated Experimental-Modelling Strategy to Understand Dislocation-Defect Interactions During Hot Working of Face-Centred Cubic Alloys. Jom, 2019, 71, 2705-2710.	1.9	1
10	Atypical transitions in material response during constant strain rate, hot deformation of austenitic steel. AIP Conference Proceedings, 2017, , .	0.4	0
11	Formation of Deformation Bands in Hot-Worked SS 316LN. Jom, 2020, 72, 1395-1405.	1.9	0