

# Abdelali Oudriss

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7743519/publications.pdf>

Version: 2024-02-01

7  
papers

264  
citations

1307366

7  
h-index

1719901

7  
g-index

7  
all docs

7  
docs citations

7  
times ranked

275  
citing authors

#	ARTICLE	IF	CITATIONS
1	The diffusion and trapping of hydrogen along the grain boundaries in polycrystalline nickel. Scripta Materialia, 2012, 66, 37-40.	2.6	123
2	The role of plasticity and hydrogen flux in the fracture of a tempered martensitic steel: A new design of mechanical test until fracture to separate the influence of mobile from deeply trapped hydrogen. Acta Materialia, 2020, 186, 133-148.	3.8	41
3	Length scales and scaling laws for dislocation cells developed during monotonic deformation of (001) nickel single crystal. International Journal of Plasticity, 2016, 78, 187-202.	4.1	33
4	On the estimation of the diffusion coefficient and distribution of hydrogen in stainless steel. Scripta Materialia, 2020, 186, 282-286.	2.6	18
5	Effect of aging treatment on apparent hydrogen solubility and trapping in a new generation maraging steel. Scripta Materialia, 2020, 183, 144-148.	2.6	18
6	Segregation energy of the hydrogen at Ni $\alpha$ 3 grain boundaries: some implications of the atomic volume and the interstitial self-stress. Journal of Materials Science, 2018, 53, 5356-5363.	1.7	17
7	Experimental and numerical analysis of the heat generated by plastic deformation in quasi-static uniaxial tensile tests. Mechanics of Materials, 2020, 146, 103398.	1.7	14