

# Abdelali Oudriss

## List of Publications by Year in descending order

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

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#	ARTICLE	IF	CITATIONS
1	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
2	On the estimation of the diffusion coefficient and distribution of hydrogen in stainless steel. Scripta Materialia, 2020, 186, 282-286.	2.6	18
3	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
4	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
5	Segregation energy of the hydrogen at Ni $\gamma$ grain boundaries: some implications of the atomic volume and the interstitial self-stress. Journal of Materials Science, 2018, 53, 5356-5363.	1.7	17
6	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
7	The diffusion and trapping of hydrogen along the grain boundaries in polycrystalline nickel. Scripta Materialia, 2012, 66, 37-40.	2.6	123