

Abderrazak Traidia

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

354
citations

1163117

8
h-index

1281871

11
g-index

12
all docs

12
docs citations

12
times ranked

330
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical and experimental study of arc and weld pool behaviour for pulsed current GTA welding. International Journal of Heat and Mass Transfer, 2011, 54, 2163-2179.	4.8	108
2	An effective finite element model for the prediction of hydrogen induced cracking in steel pipelines. International Journal of Hydrogen Energy, 2012, 37, 16214-16230.	7.1	64
3	Effect of hydrogen on fracture toughness properties of a pipeline steel under simulated sour service conditions. International Journal of Hydrogen Energy, 2018, 43, 5747-5759.	7.1	46
4	Monitoring and simulations of hydrolysis in epoxy matrix composites during hygrothermal aging. Composites Part A: Applied Science and Manufacturing, 2015, 68, 184-192.	7.6	34
5	Review of hydrogen-assisted cracking models for application to service lifetime prediction and challenges in the oil and gas industry. Corrosion Reviews, 2018, 36, 323-347.	2.0	29
6	A computational investigation of different helium supplying methods for the improvement of GTA welding. Journal of Materials Processing Technology, 2011, 211, 1553-1562.	6.3	25
7	On the effects of gravity and sulfur content on the weld shape in horizontal narrow gap GTAW of stainless steels. Journal of Materials Processing Technology, 2013, 213, 1128-1138.	6.3	23
8	Hybrid 2D-3D modelling of GTA welding with filler wire addition. International Journal of Heat and Mass Transfer, 2012, 55, 3946-3963.	4.8	18
9	Model of Parameters Controlling Resistance of Pipeline Steels to Hydrogen-Induced Cracking. Corrosion, 2014, 70, 87-94.	1.1	4
10	Evaluation of an empirical model to predict maximum pitting corrosion rate in wet sour crude transmission pipelines. Science and Technologies: Oil and Oil Products Pipeline Transportation, 2019, 9, 444-451.	0.2	2
11	Recommended Specimen Dimensions and Boundary Conditions for Measurement of Hydrogen Permeation in Thick Carbon Steel Plates. Corrosion, 2015, 71, 585-597.	1.1	1
12	Novel Specimen Design for Measurement of In-Plane Fracture Toughness of Metals. Journal of Engineering Materials and Technology, Transactions of the ASME, 2020, 142, .	1.4	0