

Stephen Liu

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

277
citations

1307594

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1199594

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16
all docs

16
docs citations

16
times ranked

224
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of a numerical model for simulating stress corrosion cracking in spent nuclear fuel canisters. <i>Npj Materials Degradation</i> , 2021, 5, .	5.8	2
2	Performance comparison of Al-Si-Ti and Co-Si-V-Ti braze alloys in the vacuum brazing of reaction-bonded silicon carbide. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2019, 63, 1851-1860.	2.5	4
3	Effect of Prestrain on Hydrogen Embrittlement Susceptibility of EH 36 Steels Using In Situ Slow-Strain-Rate Testing. <i>Metals and Materials International</i> , 2019, 25, 584-593.	3.4	30
4	Oxygen Effects on Solidification Behavior of Gas Tungsten Arc-Welded Laser Powder Bed Fusion-Fabricated 304L Stainless Steel. <i>Materials Performance and Characterization</i> , 2019, 8, 20180115.	0.3	0
5	Effect of processing parameters on the microstructure and mechanical properties of wide-gap braze repairs on nickel-superalloy RenÅ© 108. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2017, 61, 391-404.	2.5	14
6	02.08: The influence of plate thickness on the welding residual stresses from submerged arc welding in offshore steel structures. <i>Ce/Papers</i> , 2017, 1, 499-504.	0.3	1
7	Effect of grain size on the resistance to hydrogen embrittlement of API 2W Grade 60 steels using in situ slow-strain-rate testing. <i>Corrosion Science</i> , 2017, 128, 33-41.	6.6	92
8	Study of intermetallic compounds (IMC) that form between indium-enriched SAC solder alloys and copper substrate. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2017, 61, 603-611.	2.5	3
9	Fiber laser welding of high-n, High-Mn austenitic stainless steel. , 2014, , .		0
10	Spreading and solidification behavior of nickel wide-gap brazes. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2014, 58, 593-600.	2.5	11
11	Welding of Materials for Energy Applications. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2013, 44, 3385-3410.	2.2	24
12	Efeito do teor de carbono do metal de base e da alma do eletrodo revestido sobre a porosidade em soldas molhadas. <i>Soldagem E Inspecao</i> , 2010, 15, 156-164.	0.6	3
13	The Effect of Base Metal and Core Rod Carbon Content on Underwater Wet Weld Porosity. , 2010, , .		0
14	Porosity variation along multipass underwater wet welds and its influence on mechanical properties. <i>Journal of Materials Processing Technology</i> , 2006, 179, 239-243.	6.3	74
15	Effects of nitrogen content and weld cooling time on the simulated heat-affected zone toughness in a Ti-containing steel. <i>Journal of Materials Science</i> , 2006, 41, 5994-6000.	3.7	19