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List of Publications by Year
in descending order

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49 papers	534 citations	840119 11 h-index	713013 21 g-index
51 all docs	51 docs citations	51 times ranked	449 citing authors

#	Article	IF	Citations
1	A COMPARISON OF DIFFERENT NUMERICAL APPROACHES FOR FSW WELDS OF API 5L - X80 STEEL. Revista Mundi Engenharia Tecnologia E GestÃ£o (ISSN 2525-4782), 2023, 5, .	0.0	0
2	Influence of welding gases and filler metals on hybrid laser-GMAW and Laser-FCAW welds. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2021, 235, 2754-2767.	1.1	4
3	Banding and microstructural features in laser cladding of a 304 substrate using 316 powder. International Journal of Advanced Manufacturing Technology, 2021, 112, 2327-2339.	1.5	5
4	Microstructural Evaluation of Copper Brazed Joints Using Silver-Based Filler Metal. Metallography, Microstructure, and Analysis, 2021, 10, 174-183.	0.5	5
5	Influence of Laser Beam Power and Scanning Speed on the Macrostructural Characteristics of AISI 316L and AISI 431 Stainless Steel Depositions Produced by Laser Cladding Process. Journal of Materials Engineering and Performance, 2021, 30, 3298-3312.	1.2	16
6	Creep and Aging Evaluation of Phenolâ€“Formaldehyde Carbon Fiber Composites in Overhead Transmission Lines. Applied Composite Materials, 2021, 28, 1697.	1.3	1
7	Effect of Laser Parameters on the Characteristics of a Laser Clad AISI 431 Stainless Steel Coating on Carbon Steel Substrate. Jom, 2021, 73, 2868-2877.	0.9	4
8	Rapid precipitation of intermetallic phases during isothermal treatment of duplex stainless steel joints produced by friction stir welding. Journal of Alloys and Compounds, 2020, 820, 153170.	2.8	17
9	Investigation of transverse shrinkage and angular distortion caused by hybrid laser-arc welding. International Journal of Advanced Manufacturing Technology, 2020, 107, 4705-4711.	1.5	4
10	Predominant Solidification Modes of 316 Austenitic Stainless Steel Coatings Deposited by Laser Cladding on 304 Stainless Steel Substrates. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2019, 50, 3617-3628.	1.1	15
11	Effect of high anodic polarization on the passive layer properties of superduplex stainless steel friction stir welds at different chloride electrolyte pH values and temperatures. International Journal of Minerals, Metallurgy and Materials, 2019, 26, 710-721.	2.4	10
12	Study of the high temperature oxidation and Kirkendall porosity in dissimilar welding joints between FE-CR-AL alloy and stainless steel AISI 310 after isothermal heat treatment at 1150 Â°C in air. Journal of Materials Research and Technology, 2019, 8, 1636-1644.	2.6	10
13	Corrosion Evaluation of Duplex and Superduplex Stainless Steel Friction Stir Welds Using Potentiodynamic Measurements and Immersion Tests in Chloride Environments. Metallography, Microstructure, and Analysis, 2019, 8, 32-44.	0.5	8
14	Nucleation and growth of graphite particles in ductile cast iron. Journal of Alloys and Compounds, 2019, 775, 1230-1234.	2.8	26
15	Evaluation of Abrasive Wear in UNS S32101 and S32750 Duplex Stainless Steels Submitted to Friction Stir Processing. Materials Research, 2019, 22, .	0.6	2
16	Evaluation of two-step transformation in Ni-rich titanium-nickel alloys using thermal and internal friction analyses. Revista Materia, 2019, 24, .	0.1	0
17	Microstructural Evolution of HSLA ISO 3183 X80M (API 5L X80) Friction Stir Welded Joints. Metals and Materials International, 2018, 24, 1120-1132.	1.8	12
18	Friction stir welding of duplex stainless steels. Welding International, 2018, 32, 103-111.	0.3	12

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19	Soldagem Helicoidal de Tubos Produzida em Campo do AÃ§o ASTM A-1018 e sua CorrelaÃ§Ã£o com CaracterÃsticas MecÃ¢nicas e Microestruturais das Juntas Soldadas. Soldagem E Inspecao, 2018, 23, 364-379.	0.6	1
20	Effect of the energy input on the microstructure and mechanical behavior of AA2024-T351 joint produced by friction stir welding. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2018, 40, 1.	0.8	5
21	Soldagem em campo de tubulaÃ§Ã£o com costura helicoidal por arco submerso. , 2018, , .		0
22	Influence of welding position and parameters in orbital tig welding applied to low-carbon steel pipes. Welding International, 2017, 31, 583-590.	0.3	10
23	Double Kinetics of Intermetallic Phase Precipitation in UNS S32205 Duplex Stainless Steels Submitted to Isothermal Heat Treatment. Materials Research, 2017, 20, 152-158.	0.6	9
24	Desenvolvimento dos ParÃ¢metros do Processo de Soldagem por Atrito com Pino NÃ£o ConsumÃvel para o AÃ§o de Alta ResistÃªncia e Baixa Liga ISO 3183 X80M. Soldagem E Inspecao, 2017, 22, 129-138.	0.6	2
25	Soldagem por Atrito com Pino NÃ£o ConsumÃvel de AÃ§os InoxidÃ¡veis Duplex. Soldagem E Inspecao, 2016, 21, 59-69.	0.6	7
26	Friction stir welding of duplex and superduplex stainless steels and some aspects of microstructural characterization and mechanical performance. Materials Research, 2016, 19, 117-131.	0.6	32
27	Physical Simulation of a Duplex Stainless Steel Friction Stir Welding by the Numerical and Experimental Analysis of Hot Torsion Tests. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2016, 47, 4543-4552.	1.1	9
28	Detailed Microstructural Characterization and Restoration Mechanisms of Duplex and Superduplex Stainless Steel Friction-Stir-Welded Joints. Journal of Materials Engineering and Performance, 2016, 25, 5173-5188.	1.2	28
29	Development of ceramic backing for friction stir welding and processing. Welding International, 2016, 30, 338-347.	0.3	3
30	InfluÃªncia da PosiÃ§Ã£o e dos ParÃ¢metros de Soldagem na Soldagem TIG Orbital Aplicada a TubulaÃ§Ãµes de AÃ§o Baixo Carbono. Soldagem E Inspecao, 2015, 20, 446-455.	0.6	0
31	Suitability of carbon fiber-reinforced polymers as power cable cores: Galvanic corrosion and thermal stability evaluation. Materials & Design, 2015, 65, 780-788.	5.1	49
32	Desenvolvimento de sistema de apoio com depÃ³sito cerÃ¢mico para soldagem e processamento por atrito com pino nÃ£o consumÃvel. Soldagem E Inspecao, 2014, 19, 104-113.	0.6	3
33	Thermal history in UNS S32205 duplex stainless steel friction stir welds. Science and Technology of Welding and Joining, 2014, 19, 150-156.	1.5	47
34	Differential Evolution algorithm applied to FSW model calibration. Journal of Physics: Conference Series, 2014, 490, 012215.	0.3	2
35	An integrity monitoring system for substation connections using ZigBee wireless sensor network. , 2013, , .		0
36	Improvement of cavitation erosion resistance of a duplex stainless steel through friction stir processing (FSP). Wear, 2013, 297, 998-1005.	1.5	59

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37	Friction stir welding of steels for the oil and gas industry. , 2013, , 75-79.		3
38	Microstructure evaluation of UNS S32205 duplex stainless steel friction stir welds. Revista Escola De Minas, 2013, 66, 187-191.	0.1	22
39	Fracture toughness of ISO 3183 X80M (API 5L X80) steel friction stir welds. Engineering Fracture Mechanics, 2010, 77, 2937-2945.	2.0	64
40	Internal Friction on AISI 304 Stainless Steels with Low Tensile Deformations at Temperatures between<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mo>â^'</mml:mo></mml:math>50 and 20<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mtext>C</mml:mtext></mml:mrow></mml:math>. Advances in Materials Science and Engineering, 2010, 2010, 1-8.	1.0	11
41	Efeito da taxa de aquecimento na reversÃ£o da martensita induzida por deformaÃ§Ã£o em um aÃ§o inoxidÃ¡vel austenÃtico do tipo ABNT 304. Revista Escola De Minas, 2009, 62, 53-58.	0.1	3
42	AvaliaÃ§Ã£o dilatomÃ©trica da reversÃ£o das martensitas induzidas por deformaÃ§Ã£o em um aÃ§o inoxidÃ¡vel austenÃtico do tipo ABNT 304. Revista Materia, 2008, 13, 587-596.	0.1	13
43	Robust regression analysis for the relationship between welding parameters and microhardness of 410 NiMo martensitic steel deposits on SAE 1020 steel. Acta Scientiarum - Technology, 0, 43, e49807.	0.4	0
44	CARACTERIZAÃ‡ÃƒO MICROESTRUTURAL DAS CAMADAS PROTETIVAS DE Ã“XIDOS FORMADOS NAS SUPERFÃCIES DE UM AÃ‡O INOXIDÃVEL AUSTENITICO LAMINADO (253 MAÂ®) OXIDADO A ALTAS TEMPERATURAS AO AR. , 0, , .		0
45	POROSIDADE DE KIRKENDALL EM JUNTAS SOLDADAS DISSIMILARES ENTRE LIGA FE-CR-AL E AÃ‡O INOXIDÃVEL AISI 310 APÃ“S TRATAMENTO ISOTÃ‰RMICO A 1150oC AO AR. , 0, , .		0
46	CARACTERIZAÃ‡ÃƒO MICROESTRUTURAL E ANÃLISES QUÃMICAS SEMI-QUANTITATIVAS DAS FASES FERRITA E AUSTENITA EM AÃ‡OS INOXIDÃVEIS DUPLEX. , 0, , .		0
47	CARACTERIZAÃ‡ÃƒO DE UMA JUNTA SOLDADA DE AÃ‡O INOXIDÃVEL DUPLEX PELO PROCESSO TIG NA RAIZ E ENCHIMENTO COM PROCESSO MIG-MAG. , 0, , .		0
48	CINÃ‰TICAS DE OXIDAÃ‡ÃƒO E CÃLCULO DA ENERGIA DE ATIVAÃ‡ÃƒO APARENTE PARA FORMAÃ‡ÃƒO DOS Ã“XIDOS EM AÃ‡O INOXIDÃVEL AUSTENÃTICOS LAMINADO 253 MA A ALTAS TEMPERATURAS AO AR. , 0, , .		0
49	AplicaÃ§Ã£o da Metodologia para QualificaÃ§Ã£o de Procedimentos de Soldagem de TubulaÃ§Ãµes Industriais Conforme ParÃ¢metros dos CÃ³digos ASME B31.3 e ASME SECTION IX*. Soldagem E Inspecao, 0, 24, .	0.6	1