

Santos, Tiago Fa

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Fracture toughness of ISO 3183 X80M (API 5L X80) steel friction stir welds. <i>Engineering Fracture Mechanics</i> , 2010, 77, 2937-2945.	2.0	64
2	Improvement of cavitation erosion resistance of a duplex stainless steel through friction stir processing (FSP). <i>Wear</i> , 2013, 297, 998-1005.	1.5	59
3	Suitability of carbon fiber-reinforced polymers as power cable cores: Galvanic corrosion and thermal stability evaluation. <i>Materials & Design</i> , 2015, 65, 780-788.	5.1	49
4	Thermal history in UNS S32205 duplex stainless steel friction stir welds. <i>Science and Technology of Welding and Joining</i> , 2014, 19, 150-156.	1.5	47
5	Friction stir welding of duplex and superduplex stainless steels and some aspects of microstructural characterization and mechanical performance. <i>Materials Research</i> , 2016, 19, 117-131.	0.6	32
6	Detailed Microstructural Characterization and Restoration Mechanisms of Duplex and Superduplex Stainless Steel Friction-Stir-Welded Joints. <i>Journal of Materials Engineering and Performance</i> , 2016, 25, 5173-5188.	1.2	28
7	Nucleation and growth of graphite particles in ductile cast iron. <i>Journal of Alloys and Compounds</i> , 2019, 775, 1230-1234.	2.8	26
8	Microstructure evaluation of UNS S32205 duplex stainless steel friction stir welds. <i>Revista Escola De Minas</i> , 2013, 66, 187-191.	0.1	22
9	Rapid precipitation of intermetallic phases during isothermal treatment of duplex stainless steel joints produced by friction stir welding. <i>Journal of Alloys and Compounds</i> , 2020, 820, 153170.	2.8	17
10	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. <i>Journal of Materials Engineering and Performance</i> , 2021, 30, 3298-3312.	1.2	16
11	Predominant Solidification Modes of 316 Austenitic Stainless Steel Coatings Deposited by Laser Cladding on 304 Stainless Steel Substrates. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2019, 50, 3617-3628.	1.1	15
12	Avaliaço dilatomtrica da reverso das martensitas induzidas por deformaço em um ao inoxidvel austentico do tipo ABNT 304. <i>Revista Materia</i> , 2008, 13, 587-596.	0.1	13
13	Microstructural Evolution of HSLA ISO 3183 X80M (API 5L X80) Friction Stir Welded Joints. <i>Metals and Materials International</i> , 2018, 24, 1120-1132.	1.8	12
14	Friction stir welding of duplex stainless steels. <i>Welding International</i> , 2018, 32, 103-111.	0.3	12
15	Internal Friction on AISI 304 Stainless Steels with Low Tensile Deformations at Temperatures between 50 and 200 °C. <i>Advances in Materials Science and Engineering</i> , 2010, 2010, 1-8.	1.0	11
16	Influence of welding position and parameters in orbital tig welding applied to low-carbon steel pipes. <i>Welding International</i> , 2017, 31, 583-590.	0.3	10
17	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. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2019, 26, 710-721.	2.4	10
18	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 °C in air. <i>Journal of Materials Research and Technology</i> , 2019, 8, 1636-1644.	2.6	10

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19	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
20	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
21	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
22	Soldagem por Atrito com Pino Não Consumível de Aços Inoxidáveis Duplex. Soldagem E Inspecao, 2016, 21, 59-69.	0.6	7
23	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
24	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
25	Microstructural Evaluation of Copper Brazed Joints Using Silver-Based Filler Metal. Metallography, Microstructure, and Analysis, 2021, 10, 174-183.	0.5	5
26	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
27	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
28	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
29	Efeito da taxa de aquecimento na reversão da martensita induzida por deformação em um aço inoxidável austenítico do tipo ABNT 304. Revista Escola De Minas, 2009, 62, 53-58.	0.1	3
30	Friction stir welding of steels for the oil and gas industry. , 2013, , 75-79.		3
31	Desenvolvimento de sistema de apoio com depósito cerâmico para soldagem e processamento por atrito com pino não consumível. Soldagem E Inspecao, 2014, 19, 104-113.	0.6	3
32	Development of ceramic backing for friction stir welding and processing. Welding International, 2016, 30, 338-347.	0.3	3
33	Differential Evolution algorithm applied to FSW model calibration. Journal of Physics: Conference Series, 2014, 490, 012215.	0.3	2
34	Desenvolvimento dos Parâmetros do Processo de Soldagem por Atrito com Pino Não Consumível para o Aço de Alta Resistência e Baixa Liga ISO 3183 X80M. Soldagem E Inspecao, 2017, 22, 129-138.	0.6	2
35	Evaluation of Abrasive Wear in UNS S32101 and S32750 Duplex Stainless Steels Submitted to Friction Stir Processing. Materials Research, 2019, 22, .	0.6	2
36	Soldagem Helicoidal de Tubos Produzida em Campo do Aço ASTM A-1018 e sua Correlação com Características Mecânicas e Microestruturais das Juntas Soldadas. Soldagem E Inspecao, 2018, 23, 364-379.	0.6	1

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37	Creep and Aging Evaluation of Phenolâ€“Formaldehyde Carbon Fiber Composites in Overhead Transmission Lines. Applied Composite Materials, 2021, 28, 1697.	1.3	1
38	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
39	An integrity monitoring system for substation connections using ZigBee wireless sensor network. , 2013, , .		0
40	InfluÃªncia da PosiÃ§Ã£o e dos ParÃ¢metros de Soldagem na Soldagem TIG Orbital Aplicada a TubulaÃ§Ãµes de AÃ§Ã£o Baixo Carbono. Soldagem E Inspecao, 2015, 20, 446-455.	0.6	0
41	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
42	CARACTERIZAÃ§Ã£o MICROESTRUTURAL DAS CAMADAS PROTETIVAS DE Ã“XIDOS FORMADOS NAS SUPERFÃCIES DE UM AÃ§Ã£o INOXIDÃVEL AUSTENITICO LAMINADO (253 MAÃ©) OXIDADO A ALTAS TEMPERATURAS AO AR. , 0, , .		0
43	POROSIDADE DE KIRKENDALL EM JUNTAS SOLDADAS DISSIMILARES ENTRE LIGA FE-CR-AL E AÃ§Ã£o INOXIDÃVEL AISI 310 APÃ“S TRATAMENTO ISOTÃ©RMICO A 1150oC AO AR. , 0, , .		0
44	CARACTERIZAÃ§Ã£o MICROESTRUTURAL E ANÃLISES QUÃMICAS SEMI-QUANTITATIVAS DAS FASES FERRITA E AUSTENITA EM AÃ§ÃOS INOXIDÃVEIS DUPLEX. , 0, , .		0
45	CARACTERIZAÃ§Ã£o DE UMA JUNTA SOLDADA DE AÃ§Ã£o INOXIDÃVEL DUPLEX PELO PROCESSO TIG NA RAIZ E ENCHIMENTO COM PROCESSO MIG-MAG. , 0, , .		0
46	CINÃ%TICAS DE OXIDAÃ§Ã£o E CÃLCULO DA ENERGIA DE ATIVAÃ§Ã£o APARENTE PARA FORMAÃ§Ã£o DOS Ã“XIDOS EM AÃ§Ã£o INOXIDÃVEL AUSTENÃTICOS LAMINADO 253 MA A ALTAS TEMPERATURAS AO AR. , 0, , .		0
47	Soldagem em campo de tubulaÃ§Ã£o com costura helicoidal por arco submerso. , 2018, , .		0
48	Evaluation of two-step transformation in Ni-rich titanium-nickel alloys using thermal and internal friction analyses. Revista Materia, 2019, 24, .	0.1	0
49	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