

Arivazhagan Natarajan

List of Publications by Year in descending order

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170
papers

3,521
citations

136885

32
h-index

197736

49
g-index

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all docs

170
docs citations

170
times ranked

1845
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation on AISI 304 austenitic stainless steel to AISI 4140 low alloy steel dissimilar joints by gas tungsten arc, electron beam and friction welding. <i>Materials & Design</i> , 2011, 32, 3036-3050.	5.1	206
2	Numerical and experimental investigations on laser melting of stainless steel 316L metal powders. <i>Journal of Manufacturing Processes</i> , 2014, 16, 345-355.	2.8	143
3	Influence of filler metals and welding techniques on the structure-property relationships of Inconel 718 and AISI 316L dissimilar weldments. <i>Materials & Design</i> , 2014, 62, 175-188.	5.1	107
4	Studies on Friction Stir Welding of AA 2024 and AA 6061 Dissimilar Metals. <i>Procedia Engineering</i> , 2014, 75, 145-149.	1.2	89
5	Microstructure and mechanical properties of alloy C-276 weldments fabricated by continuous and pulsed current gas tungsten arc welding techniques. <i>Journal of Manufacturing Processes</i> , 2014, 16, 563-572.	2.8	84
6	Investigations on the microstructure, tensile strength and high temperature corrosion behaviour of Inconel 625 and Inconel 718 dissimilar joints. <i>Journal of Manufacturing Processes</i> , 2017, 25, 306-322.	2.8	84
7	Effect of filler materials on the performance of gas tungsten arc welded AISI 304 and Monel 400. <i>Materials & Design</i> , 2012, 40, 70-79.	5.1	82
8	Microstructural characterization of dissimilar welds between Incoloy 800H and 321 Austenitic Stainless Steel. <i>Materials Characterization</i> , 2015, 102, 180-188.	1.9	82
9	Characterization of weld strength and impact toughness in the multi-pass welding of super-duplex stainless steel UNS 32750. <i>Materials & Design</i> , 2014, 60, 125-135.	5.1	76
10	Metallurgical and mechanical characterization of dissimilar welds of austenitic stainless steel and super-duplex stainless steel - A comparative study. <i>Journal of Manufacturing Processes</i> , 2015, 19, 212-232.	2.8	72
11	Investigations on the microstructure and mechanical properties of dissimilar welds of inconel 718 and sulphur rich martensitic stainless steel, AISI 416. <i>Journal of Manufacturing Processes</i> , 2018, 32, 685-698.	2.8	69
12	Effect of optimal weld parameters in the microstructure and mechanical properties of autogeneous gas tungsten arc weldments of super-duplex stainless steel UNS S32750. <i>Materials & Design</i> , 2015, 66, 356-365.	5.1	67
13	Characterization of Microstructure, Strength, and Toughness of Dissimilar Weldments of Inconel 625 and Duplex Stainless Steel SAF 2205. <i>Acta Metallurgica Sinica (English Letters)</i> , 2014, 27, 1018-1030.	1.5	63
14	Metallurgical and mechanical properties of laser welded high strength low alloy steel. <i>Journal of Advanced Research</i> , 2016, 7, 463-472.	4.4	60
15	Investigations on the structure - Property relationships of electron beam welded Inconel 625 and UNS 32205. <i>Materials & Design</i> , 2015, 68, 158-166.	5.1	59
16	Improvement of Microstructure and Mechanical Behavior of Gas Tungsten Arc Weldments of Alloy C-276 by Current Pulsing. <i>Acta Metallurgica Sinica (English Letters)</i> , 2015, 28, 208-215.	1.5	59
17	Effects of filler metals on the segregation, mechanical properties and hot corrosion behaviour of pulsed current gas tungsten arc welded super-austenitic stainless steel. <i>Journal of Manufacturing Processes</i> , 2016, 24, 46-61.	2.8	57
18	Studies on the weldability, microstructure and mechanical properties of activated flux TIG weldments of Inconel 718. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 639, 234-244.	2.6	56

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19	Effect of filler wires and direct ageing on the microstructure and mechanical properties in the multi-pass welding of Inconel 718. <i>Journal of Manufacturing Processes</i> , 2015, 18, 23-45.	2.8	52
20	A study on the hot corrosion behavior of Ti-6Al-4V alloy. <i>Materials Letters</i> , 2007, 61, 1483-1488.	1.3	51
21	High temperature corrosion studies on friction welded low alloy steel and stainless steel in air and molten salt environment at 650°C. <i>Materials & Design</i> , 2012, 34, 459-468.	5.1	51
22	Characterization of metallurgical and mechanical properties on the multi-pass welding of Inconel 625 and AISI 316L. <i>Journal of Mechanical Science and Technology</i> , 2015, 29, 1039-1047.	0.7	51
23	Comparative studies on the weldability, microstructure and tensile properties of autogeneous TIG welded AISI 430 ferritic stainless steel with and without flux. <i>Journal of Manufacturing Processes</i> , 2015, 20, 54-69.	2.8	51
24	Investigations on the microstructure and mechanical properties of multi-pass pulsed current gas tungsten arc weldments of Monel 400 and Hastelloy C276. <i>Materials & Design</i> , 2014, 64, 775-782.	5.1	47
25	Studies on Effect of Tool Design and Welding Parameters on the Friction Stir Welding of Dissimilar Aluminium Alloys AA 5052 & AA 6061. <i>Procedia Engineering</i> , 2014, 75, 93-97.	1.2	45
26	Development of welding technology for improving the metallurgical and mechanical properties of 21st century nickel based superalloy 686. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 691, 126-140.	2.6	45
27	Development of Biomedical Implants through Additive Manufacturing: A Review. <i>Journal of Materials Engineering and Performance</i> , 2021, 30, 4735-4744.	1.2	44
28	Investigations on Dissimilar Weldments of Inconel 625 and AISI 304. <i>Procedia Engineering</i> , 2014, 75, 66-70.	1.2	43
29	An assessment of hardness, impact strength, and hot corrosion behaviour of friction-welded dissimilar weldments between AISI 4140 and AISI 304. <i>International Journal of Advanced Manufacturing Technology</i> , 2008, 39, 679-689.	1.5	42
30	Investigations on structure-property relationships of activated flux TIG weldments of super-duplex/austenitic stainless steels. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 638, 60-68.	2.6	42
31	Metallurgical and mechanical characterization of electron beam welded super-duplex stainless steel UNS 32750. <i>Journal of Manufacturing Processes</i> , 2014, 16, 527-534.	2.8	39
32	Investigation of Microstructure and Mechanical Properties of Super Alloy C-276 by Continuous Nd:YAG Laser Welding. , 2014, 5, 2233-2241.		38
33	Friction Stir Welded Butt Joints of AA2024 T3 and AA7075 T6 Aluminum Alloys. <i>Procedia Engineering</i> , 2014, 75, 98-102.	1.2	37
34	Effect of Continuous and Pulsed Current on the Metallurgical and Mechanical Properties of Gas Tungsten Arc Welded AISI 4340 Aeronautical and AISI 304 L Austenitic Stainless Steel Dissimilar Joints. <i>Materials Research</i> , 2015, 18, 59-77.	0.6	35
35	Assessment of Process, Parameters, Residual Stress Mitigation, Post Treatments and Finite Element Analysis Simulations of Wire Arc Additive Manufacturing Technique. <i>Metals and Materials International</i> , 2022, 28, 54-111.	1.8	34
36	Characterization of Microstructure and Mechanical Properties of Inconel 625 and AISI 304 Dissimilar Weldments. <i>ISIJ International</i> , 2014, 54, 900-908.	0.6	33

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37	Effect of post weld heat treatment on the microstructure and tensile properties of activated flux TIG welds of Inconel X750. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 658, 326-338.	2.6	33
38	Effect of flux addition on the microstructure and tensile strength of dissimilar weldments involving Inconel 718 and AISI 416. <i>Materials and Design</i> , 2015, 87, 663-674.	3.3	32
39	The residual stress distribution of CO2 laser beam welded AISI 316 austenitic stainless steel and the effect of vibratory stress relief. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 703, 227-235.	2.6	32
40	Preclusion of carbide precipitates in the Hastelloy X weldment using the current pulsing technique. <i>Journal of Manufacturing Processes</i> , 2019, 45, 9-21.	2.8	26
41	Studies on microstructure and mechanical properties of keyhole mode Nd:YAG laser welded Inconel 625 and duplex stainless steel, SAF 2205. <i>Journal of Materials Research</i> , 2015, 30, 3288-3298.	1.2	25
42	Hot Corrosion Behavior of Friction Welded AISI 4140 and AISI 304 in K2SO4-60% NaCl Mixture. <i>Journal of Materials Science and Technology</i> , 2012, 28, 895-904.	5.6	24
43	Tribological Behaviour of Graphite-Reinforced FeNiCrCuMo High-Entropy Alloy Self-Lubricating Composites for Aircraft Braking Energy Applications. <i>Tribology Letters</i> , 2019, 67, 1.	1.2	24
44	Technology Development for Producing Inconel 625 in Aerospace Application Using Wire Arc Additive Manufacturing Process. <i>Journal of Materials Engineering and Performance</i> , 2021, 30, 5333-5341.	1.2	24
45	Hot-corrosion resistance of dissimilar AISI 4340 and AISI 304L weldments in the molten salt environment at 600°C. <i>Corrosion Engineering Science and Technology</i> , 2017, 52, 114-123.	0.7	23
46	Investigations on Mechanical and Metallurgical Properties of Dissimilar Continuous GTA Welds of Monel 400 and C-276. <i>Procedia Engineering</i> , 2014, 75, 61-65.	1.2	22
47	Investigation of Double-Pulsed Gas Metal Arc Welding Technique to Preclude Carbide Precipitates in Aerospace Grade Hastelloy X. <i>Journal of Materials Engineering and Performance</i> , 2021, 30, 661-684.	1.2	22
48	High temperature corrosion studies on friction-welded dissimilar metals. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2006, 132, 222-227.	1.7	21
49	Characterization of weld strength and toughness in the multi-pass welding of Inconel 625 and Super-duplex stainless steel UNS S32750. <i>Ciência & Tecnologia Dos Materiais</i> , 2015, 27, 41-52.	0.5	21
50	Development of pulsed current gas tungsten arc welding technique for dissimilar joints of marine grade alloys. <i>Journal of Manufacturing Processes</i> , 2016, 21, 201-213.	2.8	21
51	Analysis of Metallurgical and Mechanical Properties of Continuous and Pulsed Current Gas Tungsten Arc Welded Alloy C-276 with Duplex Stainless Steel. <i>Transactions of the Indian Institute of Metals</i> , 2017, 70, 661-669.	0.7	21
52	Review on friction stir welding of steels. <i>Materials Today: Proceedings</i> , 2018, 5, 13227-13235.	0.9	21
53	Innovation of thermoplastic polymers and metals hybrid structure using friction stir welding technique: challenges and future perspectives. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2021, 43, 1.	0.8	21
54	Characterization of microstructure and mechanical properties of Super Ni 718 alloy and AISI 316L dissimilar weldments. <i>Journal of Materials Research</i> , 2014, 29, 3011-3023.	1.2	20

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55	Assessment of Mechanical Properties of AISI 4140 and AISI 316 Dissimilar Weldments. <i>Procedia Engineering</i> , 2014, 75, 29-33.	1.2	20
56	Role of pulsed current on metallurgical and mechanical properties of dissimilar metal gas tungsten arc welding of maraging steel to low alloy steel. <i>Materials & Design</i> , 2014, 63, 69-82.	5.1	20
57	Argon and argon-hydrogen shielding gas effects on the laves phase formation and corrosion behavior of Inconel 718 gas tungsten arc welds. <i>Journal of Materials Processing Technology</i> , 2019, 263, 374-384.	3.1	20
58	Investigations on induced residual stresses, mechanical and metallurgical properties of CO2 laser beam and pulse current gas tungsten arc welded SMO 254. <i>Journal of Manufacturing Processes</i> , 2019, 44, 81-90.	2.8	20
59	Mechanical Characterization of Monel 400 and 316 Stainless Steel Weldments. <i>Procedia Engineering</i> , 2014, 75, 24-28.	1.2	19
60	Effect of autogeneous GTA welding with and without flux addition on the microstructure and mechanical properties of AISI 904L joints. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 636, 1-9.	2.6	18
61	Characterization of microstructure and mechanical properties of continuous and pulsed current gas tungsten arc welded superaustenitic stainless steel. <i>Journal of Materials Research</i> , 2015, 30, 1727-1746.	1.2	17
62	Development of Pulsed Current Arc Welding to Preclude Carbide Precipitates in Hastelloy X Weldment Using ERNiCr-3. <i>Journal of Materials Engineering and Performance</i> , 2020, 29, 5395-5408.	1.2	17
63	Advances in joining technologies for the innovation of 21 st century lightweight aluminium-CFRP hybrid structures. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 2022, 236, 1239-1255.	1.4	17
64	Comparative Studies of High and Low Frequency Pulsing on the Aspect Ratio of Weld Bead in Gas Tungsten Arc Welded AISI 304L Plates. <i>Procedia Engineering</i> , 2014, 97, 871-880.	1.2	16
65	Microstructural evolution and precipitation behavior in heat affected zone of Inconel 625 and AISI 904L dissimilar welds. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 263, 062073.	0.3	16
66	Failure evaluation of SA 210C raffle water wall tubes in 70â€MW CFBC boiler. <i>Engineering Failure Analysis</i> , 2019, 95, 239-247.	1.8	16
67	Improvement of Metallurgical and Mechanical Properties of Gas Tungsten arc Weldments of Alloy 686 by Current Pulsing. <i>Transactions of the Indian Institute of Metals</i> , 2018, 71, 2953-2970.	0.7	15
68	Development of welding technique to suppress the microsegregation in the aerospace grade alloy 80A by conventional current pulsing technique. <i>Journal of Manufacturing Processes</i> , 2018, 34, 579-592.	2.8	15
69	Metal additive manufacturing of commercial aerospace components â€A comprehensive review. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 2023, 237, 441-454.	1.4	15
70	Hot corrosion studies on dissimilar friction welded low alloy steel and austenitic stainless steel under chlorine containing salt deposits under cyclic conditions. <i>Corrosion Engineering Science and Technology</i> , 2009, 44, 369-380.	0.7	14
71	Hot corrosion behavior of monel 400 and AISI 304 dissimilar weldments exposed in the molten salt environment containing Na2SO4 + 60% V2O5 at 600 Â°C. <i>Materials Research</i> , 2014, 17, 1273-1284.	0.6	14
72	Structureâ€property relationships of PCGTA welds of Inconel X750 in as-welded and post-weld heat treated conditionsâ€A comparative study. <i>Journal of Manufacturing Processes</i> , 2015, 20, 1-14.	2.8	14

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73	Influence of Filler Metals in the Control of Deleterious Phases During the Multi-pass Welding of Inconel 718 Plates. <i>Acta Metallurgica Sinica (English Letters)</i> , 2015, 28, 196-207.	1.5	14
74	Effect of Continuous and Pulsed Current GTA Welding on the Performance of Dissimilar Welds Involving Aerospace Grade Alloys. <i>Transactions of the Indian Institute of Metals</i> , 2017, 70, 729-739.	0.7	14
75	Development of Pulsed Cold Metal Transfer and Gas Metal Arc Welding Techniques on High-Strength Aerospace-Grade AA7475-T761. <i>Journal of Materials Engineering and Performance</i> , 2020, 29, 7270-7290.	1.2	14
76	Optimization of the Pulsed Current Gas Tungsten Arc Welding Process Parameters for alloy C-276 using the Taguchi Method. <i>Procedia Engineering</i> , 2014, 97, 767-774.	1.2	13
77	Effect of Filler Metals on the Structure–Property Relationships of Continuous and Pulsed Current GTA Welds of AISI 430 and AISI 904L. <i>Metallography, Microstructure, and Analysis</i> , 2015, 4, 525-541.	0.5	13
78	Effect of Filler Metals on the Weldability and Mechanical Properties of Multi-pass PCGTA Weldments of AISI 316L. <i>Journal of Materials Engineering and Performance</i> , 2015, 24, 1602-1613.	1.2	13
79	Experimental investigations on the SiO ₂ flux-assisted GTA welding of super-austenitic stainless steels. <i>International Journal of Advanced Manufacturing Technology</i> , 2017, 93, 129-140.	1.5	13
80	Investigation of hot corrosion resistance of bare and Ni-20%Cr coated superalloy 825 to Na ₂ SO ₄ -60%V ₂ O ₅ environment at 900°C. <i>Procedia Structural Integrity</i> , 2019, 14, 290-303.	0.3	13
81	Wear, Hardness and Corrosion Resistance Characteristics of Tungsten Sulfide Incorporated Electroless Ni-P Coatings. <i>Procedia Engineering</i> , 2013, 64, 720-726.	1.2	12
82	Hot Corrosion Studies on Alloy 617 OCC in the Context of Its Use in Advanced Ultra-Supercritical (A-USC) Power Plants. <i>Transactions of the Indian Institute of Metals</i> , 2017, 70, 775-781.	0.7	12
83	Investigation on Microstructure, Micro segregation and Mechanical Properties of ATIG welded Alloy C-276. <i>Materials Today: Proceedings</i> , 2018, 5, 6702-6710.	0.9	11
84	Characterization of microstructure and mechanical properties of nickel based superalloy 617 by pulsed current gas tungsten arc welding technique. <i>Materials Research Express</i> , 2018, 5, 066541.	0.8	11
85	Effect of Laser Shock Peening on Commercially Pure Titanium-1 Weldment Fabricated by Gas Tungsten Arc Welding Technique. <i>Transactions of the Indian Institute of Metals</i> , 2019, 72, 1569-1573.	0.7	11
86	Prediction of peak temperature value in friction lap welding of aluminium alloy 7475 and PPS polymer hybrid joint using machine learning approaches. <i>Materials Letters</i> , 2022, 308, 131253.	1.3	11
87	Studies on Welding of Maraging Steels. <i>Procedia Engineering</i> , 2014, 75, 83-87.	1.2	10
88	Investigation on the fusion zone microstructures and mechanical integrity of AISI 904L and Inconel 625 weld joints. <i>Materials Research Express</i> , 2019, 6, 086540.	0.8	10
89	Influence of Filler Wire and Welding Process to Mitigate the Microsegregation of Alloy C-2000 Using Continuous and Pulsed Current Gas Tungsten Arc Welding Techniques. <i>Journal of Materials Engineering and Performance</i> , 2021, 30, 6050-6067.	1.2	10
90	Performance of Al ₂ O ₃ -3%TiO ₂ Detonation gun coated ferritic steels in coal fired boiler. <i>International Journal of Surface Science and Engineering</i> , 2009, 3, 145.	0.4	9

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91	Investigation of metallurgical and mechanical properties of 21st century nickel-based superalloy 686 by electron beam welding technique. Sadhana - Academy Proceedings in Engineering Sciences, 2018, 43, 1.	0.8	9
92	Hot corrosion behaviour of continuous and pulsed current gas tungsten arc welded Hastelloy X in different molten salts environment. Materials Research Express, 2019, 6, 126553.	0.8	9
93	Development of arc welding technique to preclude microsegregation in the dissimilar joint of Alloy C-2000 and C-276. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2021, 235, 1408-1419.	1.4	9
94	Comparative study on metallurgical and mechanical properties of laser and laser-arc-hybrid welding of HSLA steel. Materials Today: Proceedings, 2018, 5, 12693-12705.	0.9	8
95	Effect of post-weld heat treatment on the microstructure and tensile properties of electron-beam-welded 21st century nickel-based super alloy 686. Sadhana - Academy Proceedings in Engineering Sciences, 2019, 44, 1.	0.8	8
96	Friction based joining process for high strength aerospace aluminium alloy. Materials Research Express, 2019, 6, 0865a3.	0.8	8
97	Development of gas tungsten arc welding using current pulsing technique to preclude chromium carbide precipitation in aerospace-grade alloy 80A. International Journal of Minerals, Metallurgy and Materials, 2019, 26, 210-221.	2.4	8
98	Influences of Tool Geometry on Metallurgical and Mechanical Properties of Friction Stir Welded Dissimilar AA 2024 and AA 5052. Procedia Engineering, 2014, 75, 154-158.	1.2	7
99	High Temperature Corrosion studies on Pulsed Current Gas Tungsten Arc Welded Alloy C-276 in Molten Salt Environment. IOP Conference Series: Materials Science and Engineering, 2016, 149, 012020.	0.3	7
100	Characterization of AA7075 Weldment using CMT Process. Materials Today: Proceedings, 2018, 5, 24024-24032.	0.9	7
101	Influence of pulsed current arc welding to preclude the topological phases in the aerospace grade Alloy X. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2020, 234, 637-653.	0.7	7
102	Multi-Performance Optimization in Friction Stir Welding of AA6082/B4C Using Genetic Algorithm and Desirability Function Approach for Aircraft Wing Structures. Journal of Materials Engineering and Performance, 2021, 30, 5845-5857.	1.2	7
103	Technology development for in-situ measurement of residual stress in arc welded joints of MDN 250 by portable Cosi± X-ray diffraction method. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 0, , 095440892110590.	1.4	7
104	Studies on the weldability, microstructure and mechanical properties of flux assisted Nd:YAG laser welds of AISI 904L. Journal of Materials Research, 2015, 30, 2369-2379.	1.2	6
105	Comparative Studies on Metallurgical and Mechanical Properties of Bimetallic Combination on Incoloy 800 and SS 316L Fabricated by Gas Metal and Shield Metal Arc Welding. Transactions of the Indian Institute of Metals, 2017, 70, 749-757.	0.7	6
106	Effect of filler metals on the mechanical properties of Inconel 625 and AISI 904L dissimilar weldments using gas tungsten arc welding. IOP Conference Series: Materials Science and Engineering, 2017, 263, 062072.	0.3	6
107	An Overview of Quasicrystal Reinforced Magnesium Metal Matrix Composites. Materials Science Forum, 0, 969, 218-224.	0.3	6
108	High temperature corrosion of alloy 617 OCC at 700 Å°C in simulated USC power plant environment. Materials Research Express, 2019, 6, 076557.	0.8	6

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109	Prospects of pulsed current arc welding on aerospace grade Hastelloy X. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2021, 235, 1059-1072.	1.4	6
110	Adhesive Joints with Laser Shaped Surface Microstructures. Materials, 2021, 14, 7548.	1.3	6
111	Application of machine learning approaches to predict joint strength of friction stir welded aluminium alloy 7475 and PPS polymer hybrid joint. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2022, 236, 9003-9011.	1.1	6
112	Development of Defect Free Monel 400 Welds for Marine Application. Advanced Materials Research, 0, 383-390, 4693-4696.	0.3	5
113	Investigation on the Mechanical Properties of SA 210C Tubular Joints. Procedia Engineering, 2014, 75, 103-107.	1.2	5
114	Investigations on Structure-Property Relationships of Inconel 718 and AISI 430 Dissimilar Weldments. Metallography, Microstructure, and Analysis, 2015, 4, 305-321.	0.5	5
115	Investigations on the microstructure and mechanical properties of multi-pass PCGTA welding of super-duplex stainless steel. Bulletin of Materials Science, 2015, 38, 837-846.	0.8	5
116	Effect of fillers on the microstructure, mechanical properties, and hot corrosion behavior of Nb stabilized austenitic stainless steel welds. Journal of Materials Research, 2017, 32, 582-598.	1.2	5
117	Characterization of Microstructure, Tensile Strength and Corrosion Behavior of Autogenous GTA Welds of Inconel X750 With and Without Activated Compound Flux. Metallography, Microstructure, and Analysis, 2017, 6, 407-424.	0.5	5
118	Hot Corrosion Studies on Dissimilar Weldments C-22 and AISI 316L in the Molten Salt K ₂ SO ₄ + 60%wt NaCl Environment. Materials Today: Proceedings, 2018, 5, 13340-13346.	0.9	5
119	Technology Development for Thick Section of Aerospace-Grade MDN 250 Weldment with Higher Weld Strength and Toughness by Suppressing Reverted Austenite Phase. Journal of Materials Engineering and Performance, 2022, 31, 1828-1845.	1.2	5
120	Studies on Microstructure and Mechanical Properties of Weldments Produced in 12 mm Thick Naval Grade High Strength Low Alloy Steel for Sub-Zero Application by Single and Double Pass Hybrid Laser Arc Welding. Journal of Materials Engineering and Performance, 2022, 31, 3234-3248.	1.2	5
121	The effect of post-weld heat treatment on microstructure and tensile properties of alloy C-276 welded joints fabricated by pulsed current gas tungsten arc welding. Ciência & Tecnologia Dos Materiais, 2017, 29, 39-45.	0.5	4
122	Investigation on Microstructure, Micro-segregation and Mechanical Properties of Gas Tungsten Arc Weldment of Alloy 600 by ERNiCrMo-10. Materials Today: Proceedings, 2018, 5, 13244-13250.	0.9	4
123	Behaviour of Alloy 617 OCC Under Hot Corrosion Conditions Encountered in Boilers in A-USC Power Plants. Transactions of the Indian Institute of Metals, 2019, 72, 1511-1514.	0.7	4
124	Investigation of Air oxidation and hot corrosion behavior of Boiler grade material Austenitic stainless steel AISI 347. Materials Today: Proceedings, 2020, 22, 1694-1701.	0.9	4
125	Effect of Welding Speed on Aspect Ratio of Hastelloy X Weldment by Keyhole Plasma Arc Welding (K-PAW). Materials Today: Proceedings, 2020, 22, 3297-3304.	0.9	4
126	Oxidation studies on nickel-base superalloy 617 OCC. Materials Today: Proceedings, 2020, 27, 2763-2767.	0.9	4

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127	Review on the advancements and relevance of emerging joining techniques for aluminium to polymers/carbon fibre-reinforced polymer lightweight hybrid structures. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 0, , 146442072210903.	0.7	4
128	Assessment on the Metallurgical and Mechanical Properties of SA 210 A1 Rifle Tubular Joints. Procedia Engineering, 2014, 75, 108-112.	1.2	3
129	Role of Process Parameters on Bead geometry and Metallurgical Characteristics in autogenous Gas Tungsten Arc Welding of Maraging Steels (250 grade). Materials Today: Proceedings, 2018, 5, 7640-7649.	0.9	3
130	Finite Element Analysis of Impression Creep. Materials Today: Proceedings, 2018, 5, 12320-12329.	0.9	3
131	Studies on hot corrosion behaviour of A-TIG welded AISI 316 weldments. Materials Today: Proceedings, 2018, 5, 13334-13339.	0.9	3
132	Investigation on Microstructure and Mechanical Properties of Corrosion Resistance Alloy C-2000 Fabricated by Conventional Arc Welding Technique. , 0, , .		3
133	Effect of inclusions on microstructure and mechanical behavior of multi-pass welded naval grade steel. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2020, 234, 1071-1083.	0.7	3
134	Characterisation of Microstructure, Mechanical Properties and Corrosion Behaviour on GTA Welded AISI 310 and Inconel 800. Advanced Materials Research, 0, 383-390, 5863-5868.	0.3	2
135	Studies on Thin Film Oxide Formation on GTA Welded AISI 304 & AISI 310S Exposed at 600°C. Advanced Materials Research, 0, 584, 131-135.	0.3	2
136	Influence of Filler Materials on Mechanical and Hot Corrosion Properties of Gas Tungsten Arc Welded AISI 304. Solid State Phenomena, 2012, 185, 113-115.	0.3	2
137	Potentiodynamic corrosion studies on laser beam welded austenitic stainless steel AISI 321. IOP Conference Series: Materials Science and Engineering, 2017, 263, 062031.	0.3	2
138	Comparative Studies On Corrosion Of Alloy 617 OCC At 700°C In Air And Simulated Coal Ash Environments. Materials Today: Proceedings, 2018, 5, 11452-11459.	0.9	2
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