

# 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

170  
all docs

170  
docs citations

170  
times ranked

1845  
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal additive manufacturing of commercial aerospace components – A comprehensive review. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2023, 237, 441-454.	1.4	15
2	Assessment of Process, Parameters, Residual Stress Mitigation, Post Treatments and Finite Element Analysis Simulations of Wire Arc Additive Manufacturing Technique. Metals and Materials International, 2022, 28, 54-111.	1.8	34
3	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
4	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
5	Prediction of peak temperature value in friction lap welding of aluminium alloy 7475 and PPS polymer hybrid joint using machine learning approaches. Materials Letters, 2022, 308, 131253.	1.3	11
6	Advances in joining technologies for the innovation of 21 <sup>st</sup> century lightweight aluminium-CFRP hybrid structures. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2022, 236, 1239-1255.	1.4	17
7	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
8	Hot corrosion of alloy 617 OCC in simulated coal ash environment encountered in USC power plants. Materials Today: Proceedings, 2021, 44, 4439-4444.	0.9	0
9	Investigation of Double-Pulsed Gas Metal Arc Welding Technique to Preclude Carbide Precipitates in Aerospace Grade Hastelloy X. Journal of Materials Engineering and Performance, 2021, 30, 661-684.	1.2	22
10	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
11	Development of Biomedical Implants through Additive Manufacturing: A Review. Journal of Materials Engineering and Performance, 2021, 30, 4735-4744.	1.2	44
12	Improvement of hot corrosion resistance of dissimilar weldments by current pulsing in a simulated power plant environment. IOP Conference Series: Materials Science and Engineering, 2021, 1123, 012044.	0.3	0
13	Technology Development for Producing Inconel 625 in Aerospace Application Using Wire Arc Additive Manufacturing Process. Journal of Materials Engineering and Performance, 2021, 30, 5333-5341.	1.2	24
14	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. Journal of Materials Engineering and Performance, 2021, 30, 6050-6067.	1.2	10
15	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
16	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
17	Innovation of thermoplastic polymers and metals hybrid structure using friction stir welding technique: challenges and future perspectives. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2021, 43, 1.	0.8	21
18	Characterization of tensile strength and impact toughness of autogenous PCGTA weldments of aeronautical steel and austenitic stainless steel. Metallic Materials, 2021, 54, 279-288.	0.2	1

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19	Adhesive Joints with Laser Shaped Surface Microstructures. <i>Materials</i> , 2021, 14, 7548.	1.3	6
20	Effect of Frequency on Microstructural and Corrosion Demeanour of Alloy C-276 Weldment. <i>Materials Today: Proceedings</i> , 2020, 22, 3279-3285.	0.9	0
21	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
22	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
23	Effect of hot corrosion demeanour on aerospace-grade Hastelloy X made by pulsed and constant current arc welding in molten salts at 820 Å°C. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 912, 032060.	0.3	2
24	Investigation of Air oxidation and hot corrosion behavior of Boiler grade material Austenitic stainless steel AISI 347. <i>Materials Today: Proceedings</i> , 2020, 22, 1694-1701.	0.9	4
25	COMPARISON OF HOT CORROSION PERFORMANCE OF BARE AND NiCoCrAlY-COATED AUSTENITIC STAINLESS STEEL AISI 347 IN AGGRESSIVE WASTE HEAT INCINERATOR ENVIRONMENT AT 650Å°C. <i>Surface Review and Letters</i> , 2020, 27, 1950168.	0.5	2
26	Influence of pulsed current arc welding to preclude the topological phases in the aerospace grade Alloy X. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2020, 234, 637-653.	0.7	7
27	Effect of Welding Speed on Aspect Ratio of Hastelloy X Weldment by Keyhole Plasma Arc Welding (K-PAW). <i>Materials Today: Proceedings</i> , 2020, 22, 3297-3304.	0.9	4
28	Oxidation studies on nickel-base superalloy 617 OCC. <i>Materials Today: Proceedings</i> , 2020, 27, 2763-2767.	0.9	4
29	Effect of inclusions on microstructure and mechanical behavior of multi-pass welded naval grade steel. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2020, 234, 1071-1083.	0.7	3
30	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
31	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
32	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
33	Effect of hot corrosion on the bimetallic joints employed in the coal-fired boiler. <i>Materials Research Express</i> , 2019, 6, 116511.	0.8	2
34	Studies on the effect of filler wires on micro level segregation of alloying elements in the alloy 617 weld fusion zone. <i>Materials Research Express</i> , 2019, 6, 116579.	0.8	0
35	Hot corrosion behaviour of continuous and pulsed current gas tungsten arc welded Hastelloy X in different molten salts environment. <i>Materials Research Express</i> , 2019, 6, 126553.	0.8	9
36	Investigation of hot corrosion resistance of bare and Ni-20%Cr coated superalloy 825 to Na <sub>2</sub> SO <sub>4</sub> -60%V <sub>2</sub> O <sub>5</sub> environment at 900Å°C. <i>Procedia Structural Integrity</i> , 2019, 14, 290-303.	0.3	13

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37	Hot Corrosion Studies on Detonation-Gun-Sprayed NiCrAlY and 80Ni-20Cr Coatings on Alloy X22CrMoV12-1 at 600°C. Transactions of the Indian Institute of Metals, 2019, 72, 1639-1642.	0.7	2
38	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
39	Investigations on induced residual stresses, mechanical and metallurgical properties of CO2 laser beam and pulse current gas tungsten arc welded SMO 254. Journal of Manufacturing Processes, 2019, 44, 81-90.	2.8	20
40	Effect of Laser Shock Peening on Commercially Pure Titanium-1 Weldment Fabricated by Gas Tungsten Arc Welding Technique. Transactions of the Indian Institute of Metals, 2019, 72, 1569-1573.	0.7	11
41	Friction based joining process for high strength aerospace aluminium alloy. Materials Research Express, 2019, 6, 0865a3.	0.8	8
42	Investigation on the fusion zone microstructures and mechanical integrity of AISI 904L and Inconel 625 weld joints. Materials Research Express, 2019, 6, 086540.	0.8	10
43	High temperature corrosion of alloy 617 OCC at 700 °C in simulated USC power plant environment. Materials Research Express, 2019, 6, 076557.	0.8	6
44	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
45	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
46	Failure evaluation of SA 210C raffle water wall tubes in 70-MW CFBC boiler. Engineering Failure Analysis, 2019, 95, 239-247.	1.8	16
47	Investigations on the microstructure and mechanical properties of dissimilar welds of inconel 718 and sulphur rich martensitic stainless steel, AISI 416. Journal of Manufacturing Processes, 2018, 32, 685-698.	2.8	69
48	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
49	Investigation on Microstructure, Micro segregation and Mechanical Properties of ATIG welded Alloy C-276. Materials Today: Proceedings, 2018, 5, 6702-6710.	0.9	11
50	Hot Corrosion Studies on Dissimilar Weldments C-22 and AISI 316L in the Molten Salt K2SO4 + 60%wt NaCl Environment. Materials Today: Proceedings, 2018, 5, 13340-13346.	0.9	5
51	Review on friction stir welding of steels. Materials Today: Proceedings, 2018, 5, 13227-13235.	0.9	21
52	Finite Element Analysis of Impression Creep. Materials Today: Proceedings, 2018, 5, 12320-12329.	0.9	3
53	Studies on hot corrosion behaviour of A-TIG welded AISI 316 weldments. Materials Today: Proceedings, 2018, 5, 13334-13339.	0.9	3
54	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

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55	Comparative Studies On Corrosion Of Alloy 617 OCC At 700Å°C In Air And Simulated Coal Ash Environments. Materials Today: Proceedings, 2018, 5, 11452-11459.	0.9	2
56	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
57	Investigations on the Microstructure, Microsegregation and Hardness Properties of Bead on Plasma Arc Welded C-276 Alloy. Materials Today: Proceedings, 2018, 5, 13628-13636.	0.9	2
58	Investigations on Mechanical and Metallurgical Properties of Pulsed GTA Welded Maraging Steel C300. Materials Today: Proceedings, 2018, 5, 13612-13619.	0.9	0
59	Characterization of AA7075 Weldment using CMT Process. Materials Today: Proceedings, 2018, 5, 24024-24032.	0.9	7
60	Hot Corrosion of Alloy 617 OCC in Simulated USC Power Plant Environment. Materials Science Forum, 2018, 941, 1748-1753.	0.3	2
61	Surface modification technique to enhance metallurgical and mechanical properties of alloy C-276 weldment by laser shock peening without coating. Sadhana - Academy Proceedings in Engineering Sciences, 2018, 43, 1.	0.8	2
62	Improvement of Metallurgical and Mechanical Properties of Gas Tungsten arc Weldments of Alloy 686 by Current Pulsing. Transactions of the Indian Institute of Metals, 2018, 71, 2953-2970.	0.7	15
63	Hot Corrosion of Superalloys in Boilers for Ultra-Supercritical Power Plants. , 2018, , .		1
64	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
65	Development of welding technique to suppress the microsegregation in the aerospace grade alloy 80A by conventional current pulsing technique. Journal of Manufacturing Processes, 2018, 34, 579-592.	2.8	15
66	Characterization of microstructure and mechanical properties of nickel based superalloy 617 by pulsed current gas tungsten arc welding technique. Materials Research Express, 2018, 5, 066541.	0.8	11
67	Experimental investigations on the SiO <sub>2</sub> flux-assisted GTA welding of super-austenitic stainless steels. International Journal of Advanced Manufacturing Technology, 2017, 93, 129-140.	1.5	13
68	Investigations on the microstructure, tensile strength and high temperature corrosion behaviour of Inconel 625 and Inconel 718 dissimilar joints. Journal of Manufacturing Processes, 2017, 25, 306-322.	2.8	84
69	Analysis of Metallurgical and Mechanical Properties of Continuous and Pulsed Current Gas Tungsten Arc Welded Alloy C-276 with Duplex Stainless Steel. Transactions of the Indian Institute of Metals, 2017, 70, 661-669.	0.7	21
70	Hot Corrosion Studies on Alloy 617 OCC in the Context of Its Use in Advanced Ultra-Supercritical (A-USC) Power Plants. Transactions of the Indian Institute of Metals, 2017, 70, 775-781.	0.7	12
71	Development of welding technology for improving the metallurgical and mechanical properties of 21st century nickel based superalloy 686. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 691, 126-140.	2.6	45
72	Hot-corrosion resistance of dissimilar AISI 4340 and AISI 304L weldments in the molten salt environment at 600Å°C. Corrosion Engineering Science and Technology, 2017, 52, 114-123.	0.7	23

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73	Effect of Continuous and Pulsed Current GTA Welding on the Performance of Dissimilar Welds Involving Aerospace Grade Alloys. Transactions of the Indian Institute of Metals, 2017, 70, 729-739.	0.7	14
74	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
75	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
76	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
77	The residual stress distribution of CO2 laser beam welded AISI 316 austenitic stainless steel and the effect of vibratory stress relief. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 703, 227-235.	2.6	32
78	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
79	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
80	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
81	Investigation on microstructure and mechanical properties on pulsed current gas tungsten arc welded super alloy 617. IOP Conference Series: Materials Science and Engineering, 2017, 263, 062032.	0.3	0
82	Microstructural evolution and precipitation behavior in heat affected zone of Inconel 625 and AISI 904L dissimilar welds. IOP Conference Series: Materials Science and Engineering, 2017, 263, 062073.	0.3	16
83	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
84	Effect of post weld heat treatment on the microstructure and tensile properties of activated flux TIG welds of Inconel X750. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 658, 326-338.	2.6	33
85	Effects of filler metals on the segregation, mechanical properties and hot corrosion behaviour of pulsed current gas tungsten arc welded super-austenitic stainless steel. Journal of Manufacturing Processes, 2016, 24, 46-61.	2.8	57
86	Metallurgical and mechanical properties of laser welded high strength low alloy steel. Journal of Advanced Research, 2016, 7, 463-472.	4.4	60
87	Development of pulsed current gas tungsten arc welding technique for dissimilar joints of marine grade alloys. Journal of Manufacturing Processes, 2016, 21, 201-213.	2.8	21
88	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
89	Studies on microstructure and mechanical properties of keyhole mode Nd:YAG laser welded Inconel 625 and duplex stainless steel, SAF 2205. Journal of Materials Research, 2015, 30, 3288-3298.	1.2	25
90	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. Materials Research, 2015, 18, 59-77.	0.6	35



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91	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
92	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
93	Structure–property relationships of PCGTA welds of Inconel X750 in as-welded and post-weld heat treated conditions – A comparative study. <i>Journal of Manufacturing Processes</i> , 2015, 20, 1-14.	2.8	14
94	Investigations on the structure – Property relationships of electron beam welded Inconel 625 and UNS 32205. <i>Materials &amp; Design</i> , 2015, 68, 158-166.	5.1	59
95	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
96	Investigations on Structure–Property Relationships of Inconel 718 and AISI 430 Dissimilar Weldments. <i>Metallography, Microstructure, and Analysis</i> , 2015, 4, 305-321.	0.5	5
97	Microstructural characterization of dissimilar welds between Incoloy 800H and 321 Austenitic Stainless Steel. <i>Materials Characterization</i> , 2015, 102, 180-188.	1.9	82
98	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
99	Studies on the weldability, microstructure and mechanical properties of activated flux TIG weldments of Inconel 718. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 639, 234-244.	2.6	56
100	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
101	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
102	Investigations on structure–property relationships of activated flux TIG weldments of super-duplex/austenitic stainless steels. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 638, 60-68.	2.6	42
103	Effect of autogeneous GTA welding with and without flux addition on the microstructure and mechanical properties of AISI 904L joints. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 636, 1-9.	2.6	18
104	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
105	Investigations on the microstructure and mechanical properties of multi-pass PCGTA welding of super-duplex stainless steel. <i>Bulletin of Materials Science</i> , 2015, 38, 837-846.	0.8	5
106	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
107	Characterization of weld strength and toughness in the multi-pass welding of Inconel 625 and Super-duplex stainless steel UNS S32750. <i>Ciência &amp; Tecnologia Dos Materiais</i> , 2015, 27, 41-52.	0.5	21
108	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

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109	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
110	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 &amp; Design</i> , 2015, 66, 356-365.	5.1	67
111	Hot corrosion behavior of monel 400 and AISI 304 dissimilar weldments exposed in the molten salt environment containing Na <sub>2</sub> SO <sub>4</sub> + 60% V <sub>2</sub> O <sub>5</sub> at 600 °C. <i>Materials Research</i> , 2014, 17, 1273-1284.	0.6	14
112	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
113	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
114	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
115	Micro-segregation Studies on the Continuous Nd: YAG Laser Beam Welded AISI 316L. <i>Procedia Engineering</i> , 2014, 97, 892-901.	1.2	1
116	Investigation of Microstructure and Mechanical Properties of Super Alloy C-276 by Continuous Nd: YAG Laser Welding. , 2014, 5, 2233-2241.		38
117	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
118	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
119	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
120	Characterization of weld strength and impact toughness in the multi-pass welding of super-duplex stainless steel UNS 32750. <i>Materials &amp; Design</i> , 2014, 60, 125-135.	5.1	76
121	Investigations on the microstructure and mechanical properties of multi-pass pulsed current gas tungsten arc weldments of Monel 400 and Hastelloy C276. <i>Materials &amp; Design</i> , 2014, 64, 775-782.	5.1	47
122	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
123	Friction Stir Welded Butt Joints of AA2024 T3 and AA7075 T6 Aluminum Alloys. <i>Procedia Engineering</i> , 2014, 75, 98-102.	1.2	37
124	Assessment on the Metallurgical and Mechanical Properties of SA 210 A1 Rifle Tubular Joints. <i>Procedia Engineering</i> , 2014, 75, 108-112.	1.2	3
125	Investigation on the Mechanical Properties of SA 210C Tubular Joints. <i>Procedia Engineering</i> , 2014, 75, 103-107.	1.2	5
126	Investigations on Dissimilar Weldments of Inconel 625 and AISI 304. <i>Procedia Engineering</i> , 2014, 75, 66-70.	1.2	43



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127	Investigations on Mechanical and Metallurgical Properties of Dissimilar Continuous GTA Welds of Monel 400 and C-276. Procedia Engineering, 2014, 75, 61-65.	1.2	22
128	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
129	Assessment of Mechanical Properties of AISI 4140 and AISI 316 Dissimilar Weldments. Procedia Engineering, 2014, 75, 29-33.	1.2	20
130	Mechanical Characterization of Monel 400 and 316 Stainless Steel Weldments. Procedia Engineering, 2014, 75, 24-28.	1.2	19
131	Studies on Welding of Maraging Steels. Procedia Engineering, 2014, 75, 83-87.	1.2	10
132	Studies on Effect of Tool Design and Welding Parameters on the Friction Stir Welding of Dissimilar Aluminium Alloys AA 5052 & AA 6061. Procedia Engineering, 2014, 75, 93-97.	1.2	45
133	Studies on Friction Stir Welding of AA 2024 and AA 6061 Dissimilar Metals. Procedia Engineering, 2014, 75, 145-149.	1.2	89
134	Influence of filler metals and welding techniques on the structure-property relationships of Inconel 718 and AISI 316L dissimilar weldments. Materials & Design, 2014, 62, 175-188.	5.1	107
135	Role of pulsed current on metallurgical and mechanical properties of dissimilar metal gas tungsten arc welding of maraging steel to low alloy steel. Materials & Design, 2014, 63, 69-82.	5.1	20
136	Characterization of Microstructure and Mechanical Properties of Inconel 625 and AISI 304 Dissimilar Weldments. ISIJ International, 2014, 54, 900-908.	0.6	33
137	Wear, Hardness and Corrosion Resistance Characteristics of Tungsten Sulfide Incorporated Electroless Ni-P Coatings. Procedia Engineering, 2013, 64, 720-726.	1.2	12
138	Comparative studies on GTA and PCGTA weldments of AISI 4140 and AISI 316 dissimilar metals. International Journal of Microstructure and Materials Properties, 2013, 8, 413.	0.1	0
139	Metallization of Iron Powders by Autocatalytic Copper Plating Process. Materials and Manufacturing Processes, 2013, , 130715070617001.	2.7	1
140	Assessment of Mechanical and Corrosion Properties of GTA Welded Monel 400 Plates Exposed to Air Oxidation at 700°C. Solid State Phenomena, 2012, 185, 87-89.	0.3	0
141	Hot Corrosion Studies of GTA Welded Monel 400 Exposed to Thin Film of Molten Na <sub>2</sub> SO <sub>4</sub> - 60% V <sub>2</sub> O <sub>5</sub> at 600°C. Advanced Materials Research, 2012, 584, 126-130.	0.3	0
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