

Fenggui Lu

List of Publications by Year in descending order

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papers

3,534
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126708

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#	ARTICLE	IF	CITATIONS
1	Effect of Carbon Migration on Interface Fatigue Crack Growth Behavior in 9Cr/CrMoV Dissimilar Welded Joint. <i>Acta Metallurgica Sinica (English Letters)</i> , 2022, 35, 714-726.	1.5	3
2	In-Situ DIC Study on LCF Behavior of Retired Weld Joint Subjected to Prolonged Service at Elevated Temperature. <i>Acta Metallurgica Sinica (English Letters)</i> , 2022, 35, 1317-1328.	1.5	4
3	Contact-induced vibration tool in incremental sheet forming for formability improvement of aluminum sheets. <i>Journal of Materials Research and Technology</i> , 2022, 17, 1363-1379.	2.6	6
4	Crack branching behavior and amorphous film formation mechanism during SCC expanding test for multi-layers weld metal of NiCrMoV steels. <i>Materials and Design</i> , 2022, 216, 110520.	3.3	2
5	Dynamic behavior of keyhole and molten pool under different oscillation paths for galvanized steel laser welding. <i>International Journal of Heat and Mass Transfer</i> , 2022, 192, 122947.	2.5	4
6	The evaporation behavior of zinc and its effect on spattering in laser overlap welding of galvanized steels. <i>Journal of Materials Processing Technology</i> , 2022, 306, 117625.	3.1	6
7	Effect of solidified grain boundary on interfacial creep failure behavior for steel/nickel dissimilar metal welded joint. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 803, 140482.	2.6	17
8	Weld bead characteristics for full-penetration laser welding of aluminum alloy under electromagnetic field support. <i>Journal of Materials Processing Technology</i> , 2021, 288, 116896.	3.1	23
9	Formation mechanism of liquid metal embrittlement in laser lap welding of zinc-coated GEN3 steels. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 800, 140229.	2.6	12
10	Mechanism study of thermal fluid flow and weld root hump suppression in full penetration laser welding of Al alloy with alternating magnetic field support. <i>International Journal of Heat and Mass Transfer</i> , 2021, 166, 120759.	2.5	24
11	The correlated mechanism of creep fracture and microstructure evolution for precipitated Nimonic 263 superalloy welding joint. <i>Science and Technology of Welding and Joining</i> , 2021, 26, 37-46.	1.5	5
12	Investigation of the Residual Stress in a Multi-Pass T-Welded Joint Using Low Transformation Temperature Welding Wire. <i>Materials</i> , 2021, 14, 325.	1.3	11
13	Study on the Laves phase precipitation behavior and its effect on toughness of 10Cr-1Mo steel weld joint after thermal aging. <i>Journal of Manufacturing Processes</i> , 2021, 64, 1287-1295.	2.8	6
14	Thermal Exposure Effect on the Microstructural and Mechanical Properties of a Laser-Welded Inconel 617 Joint in an Air Environment. <i>Journal of Materials Engineering and Performance</i> , 2021, 30, 4328-4340.	1.2	2
15	Effects of Active Gases on Droplet Transfer and Weld Morphology in Pulsed-Current NG-GMAW of Mild Steel. <i>Chinese Journal of Mechanical Engineering (English Edition)</i> , 2021, 34, .	1.9	8
16	In-situ DIC investigation on local stress-strain behavior in creep-fatigue test of dissimilar steel welded joint. <i>International Journal of Fatigue</i> , 2021, 152, 106464.	2.8	12
17	Effect of zinc vapor forces on spattering in partial penetration laser welding of zinc-coated steels. <i>Journal of Materials Processing Technology</i> , 2021, 298, 117282.	3.1	9
18	Migration behavior of IMC layer in twin-spot laser welding-brazing of aluminum to steel. <i>Materials and Design</i> , 2020, 188, 108489.	3.3	26

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19	Effect of Trace Element on Microstructure and Fracture Toughness of Weld Metal. <i>Acta Metallurgica Sinica (English Letters)</i> , 2020, 33, 425-436.	1.5	4
20	Failure competition behavior of 9Cr/617 dissimilar welded joint during LCF test at elevated temperature. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 773, 138810.	2.6	10
21	Microstructure, wear, and oxidation resistance of nanostructured carbide-strengthened cobalt-based composite coatings on Invar alloys by laser cladding. <i>Surface and Coatings Technology</i> , 2020, 381, 125188.	2.2	33
22	Study of molten pool dynamics and porosity formation mechanism in full penetration fiber laser welding of Al-alloy. <i>International Journal of Heat and Mass Transfer</i> , 2020, 148, 119089.	2.5	46
23	Efficient analysis of welding thermal conduction using the Newton-Raphson method, implicit method, and their combination. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 111, 1929-1940.	1.5	18
24	Numerical investigation on the fracture driving force of laser welds and arc welds. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2020, 64, 2075-2082.	1.3	0
25	A design method of tensile triangles and low transformation temperature weld metal for reduction of stress concentration and residual stress of welded joints. <i>Marine Structures</i> , 2020, 72, 102759.	1.6	11
26	Influence of interwire angle on undercutting formation and arc behavior in pulsed tandem narrow-gap GMAW. <i>Materials and Design</i> , 2020, 193, 108795.	3.3	14
27	Role of tempering cooling rate on impact toughness of 2CrMoV weld metal. <i>Journal of Materials Research</i> , 2020, 35, 1612-1621.	1.2	0
28	Study on fracture toughness of 617 Ni-based alloy welded joint under different elevated temperatures. <i>Journal of Materials Research</i> , 2020, 35, 1790-1802.	1.2	2
29	Numerical investigation of CTOD estimation methods for laser welds. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2020, 64, 1185-1193.	1.3	1
30	The segregation control of coating element for pulse fiber laser welding of Al-Si coated 22MnB5 steel. <i>Journal of Materials Processing Technology</i> , 2020, 286, 116833.	3.1	12
31	Clarification of the false liquation crack existed in 9% Cr/CrMoV dissimilar welded joint by comparative etching process and in situ laser scanning confocal microscope. <i>Journal of Materials Research and Technology</i> , 2020, 9, 6048-6058.	2.6	5
32	Mechanism of Zn Coating on the Wettability, Spreadability, and Microstructure of Al/Steel with the Laser Welding-Brazing Method. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2020, 51, 1677-1688.	1.1	12
33	Characterization of Multi-layer Weld Metal and Creep-Rupture Behavior of Modified 10Cr-1Mo Welded Joint. <i>Acta Metallurgica Sinica (English Letters)</i> , 2020, 33, 808-820.	1.5	3
34	Effectiveness of pre-scanning on zinc evaporation in laser spot welding of zinc-coated steels. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 106, 4423-4436.	1.5	1
35	Numerical Investigation on Fracture Initiation Properties of Interface Crack in Dissimilar Steel Welded Joints. <i>Chinese Journal of Mechanical Engineering (English Edition)</i> , 2020, 33, .	1.9	3
36	Investigation on LCF Behavior of Welded Joint at Different Temperatures for Bainite Steel. <i>Chinese Journal of Mechanical Engineering (English Edition)</i> , 2019, 32, .	1.9	3

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37	Pitting behavior of welded joint and the role of carbon ring in improving corrosion resistance. <i>Materials and Design</i> , 2019, 183, 108120.	3.3	10
38	Investigation of spatter occurrence in remote laser spiral welding of zinc-coated steels. <i>International Journal of Heat and Mass Transfer</i> , 2019, 140, 269-280.	2.5	19
39	Fracture toughness evaluation for dissimilar steel joints by Charpy impact test. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2019, 63, 1243-1254.	1.3	7
40	Stress corrosion crack growth rate of welded joint used for low-pressure rotor of nuclear turbine in oxygenated pure water at 180°C. <i>Journal of Nuclear Materials</i> , 2019, 523, 276-290.	1.3	3
41	The evolution behavior of second phases during long-term creep rupture process for modified 9Cr-1.5Mo-1Co steel welded joint. <i>Materials Characterization</i> , 2019, 151, 318-331.	1.9	17
42	Research on the coarsening mechanism of precipitations and its effect on toughness for nickel-based weld metal during thermal aging. <i>Journal of Materials Research</i> , 2019, 34, 2705-2713.	1.2	2
43	Investigation of intrinsic correlation between microstructure evolution and mechanical properties for nickel-based weld metal. <i>Materials and Design</i> , 2019, 165, 107595.	3.3	7
44	Interface characterization and mechanical properties of dual beam laser welding-brazing Al/steel dissimilar metals. <i>Journal of Manufacturing Processes</i> , 2019, 40, 37-45.	2.8	67
45	Characterization on the gradient microstructure near the fusion interface of dissimilar metal between high Cr heat-resistant steel and Ni-based Alloy 617. <i>Materials Characterization</i> , 2019, 151, 227-236.	1.9	44
46	Quantitative relationship between weld defect characteristic and fatigue crack initiation life for high-cycle fatigue property. <i>International Journal of Fatigue</i> , 2019, 123, 238-247.	2.8	29
47	Bead formation characteristics in laser welding of high-strength steel under subatmospheric pressures. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2019, 63, 401-407.	1.3	4
48	Numerical simulation on fracture resistance and factors affecting toughness for welded joint of low-alloy steel. <i>Advances in Engineering Software</i> , 2019, 127, 8-16.	1.8	5
49	Characterization and formation mechanism of periodic solidification defects in deep-penetration laser welding of NiCrMoV steel with heavy section. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 100, 2857-2866.	1.5	3
50	Investigation on the resistance to fatigue crack growth for weld metals with different Ti addition in near-threshold regime. <i>International Journal of Fatigue</i> , 2019, 120, 1-11.	2.8	12
51	Effect of interlayer thickness on the microstructure and strength of WC-Co/Invar/316L steel joints prepared by fibre laser welding. <i>Journal of Materials Processing Technology</i> , 2018, 255, 319-332.	3.1	20
52	Effect of swing arc on molten pool behaviors in narrow-gap GMAW of 5083 Al-alloy. <i>Journal of Materials Processing Technology</i> , 2018, 259, 243-258.	3.1	22
53	Characterization of high-gradient welded microstructure and its failure mode in fatigue test. <i>International Journal of Fatigue</i> , 2018, 113, 1-10.	2.8	10
54	Laser synthesis and microstructure of micro- and nano-structured WC reinforced Co-based cladding layers on titanium alloy. <i>Journal of Alloys and Compounds</i> , 2018, 749, 10-22.	2.8	56

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55	Transition and fracture shift behavior in LCF test of dissimilar welded joint at elevated temperature. <i>Journal of Materials Science and Technology</i> , 2018, 34, 720-731.	5.6	20
56	Role of misorientation in fatigue crack growth behavior for NG-TIG welded joint of Ni-based alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 710, 151-163.	2.6	21
57	Effect of preheating on the defects and microstructure in NG-GMA welding of 5083 Al-alloy. <i>Journal of Materials Processing Technology</i> , 2018, 251, 214-224.	3.1	54
58	Effect of holding time and interlayer's thickness on the crack initiation and propagation and the dissolving behavior of the heat-treated facet WC grains. <i>International Journal of Refractory Metals and Hard Materials</i> , 2018, 71, 45-60.	1.7	5
59	Role of ambient pressure in keyhole dynamics based on beam transmission path method for laser welding on Al alloy. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 99, 1639-1651.	1.5	13
60	Microstructure characterization and HCF fracture mode transition for modified 9Cr-1Mo dissimilarly welded joint at different elevated temperatures. <i>Journal of Materials Science and Technology</i> , 2017, 33, 1610-1620.	5.6	15
61	Effects of the long-time thermal exposure on the microstructure and mechanical properties of laser weldings of Inconel 617. <i>Journal of Materials Processing Technology</i> , 2017, 247, 296-305.	3.1	18
62	Microstructure and corrosion properties of CrMnFeCoNi high entropy alloy coating. <i>Applied Surface Science</i> , 2017, 396, 1420-1426.	3.1	269
63	Investigation on the weakest zone in toughness of 9Cr/NiCrMoV dissimilar welded joint and its enhancement. <i>Journal of Materials Research</i> , 2017, 32, 3117-3127.	1.2	15
64	Enhancement of high-temperature strength of Ni-based films by addition of nano-multilayers and incorporation of W. <i>Acta Materialia</i> , 2017, 133, 55-67.	3.8	19
65	Numerical study of keyhole dynamics and keyhole-induced porosity formation in remote laser welding of Al alloys. <i>International Journal of Heat and Mass Transfer</i> , 2017, 108, 244-256.	2.5	160
66	Improved high-temperature hardness and wear resistance of Inconel 625 coatings fabricated by laser cladding. <i>Journal of Materials Processing Technology</i> , 2017, 243, 82-91.	3.1	145
67	The characteristics and reduction of porosity in high-power laser welds of thick AISI 304 plate. <i>International Journal of Advanced Manufacturing Technology</i> , 2017, 93, 3517-3530.	1.5	9
68	Study on insufficient fusion of NG-GMAW for 5083 Al alloy. <i>International Journal of Advanced Manufacturing Technology</i> , 2017, 92, 4303-4313.	1.5	25
69	Evolution of carbides and its characterization in HAZ during NG-TIG welding of Alloy 617B. <i>Materials Characterization</i> , 2017, 130, 270-277.	1.9	33
70	Study on arc characteristics and their influences on weld bead geometry in narrow gap GMAW of 5083 Al-alloy. <i>International Journal of Advanced Manufacturing Technology</i> , 2017, 90, 2513-2525.	1.5	22
71	The Microstructural Evolution of Vacuum Brazed 1Cr18Ni9Ti Using Various Filler Metals. <i>Materials</i> , 2017, 10, 385.	1.3	9
72	Special zone in multi-layer and multi-pass welded metal and its role in the creep behavior of 9Cr 1Mo welded joint. <i>Materials and Design</i> , 2016, 108, 195-206.	3.3	31

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73	The microstructure evolution and element segregation of Inconel 617 alloy tungsten inert gas welded joint. <i>Journal of Materials Research</i> , 2016, 31, 435-442.	1.2	15
74	Study on the microstructure and toughness of dissimilarly welded joints of advanced 9Cr/CrMoV. <i>Journal of Materials Research</i> , 2016, 31, 3597-3609.	1.2	10
75	Role of stress in the high cycle fatigue behavior of advanced 9Cr/CrMoV dissimilarly welded joint. <i>Journal of Materials Research</i> , 2016, 31, 292-301.	1.2	11
76	Tungsten Carbide Grain Size Computation for WC-Co Dissimilar Welds. <i>Journal of Materials Engineering and Performance</i> , 2016, 25, 2500-2510.	1.2	8
77	Characteristics and formation mechanism of sidewall pores in NG-GMAW of 5083 Al-alloy. <i>Journal of Materials Processing Technology</i> , 2016, 238, 274-283.	3.1	48
78	Laser powder deposition of carbon nanotube reinforced nickel-based superalloy Inconel 718. <i>Carbon</i> , 2016, 107, 361-370.	5.4	54
79	Microstructure and mechanical properties of sputter deposited Ni/Ni ₃ Al multilayer films at elevated temperature. <i>Applied Surface Science</i> , 2016, 378, 408-417.	3.1	15
80	Microstructure correlation and fatigue crack growth behavior in dissimilar 9Cr/CrMoV welded joint. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 651, 1018-1030.	2.6	35
81	Investigation on the effects of parameters on hot cracking and tensile shear strength of overlap joint in laser welding dissimilar Al alloys. <i>International Journal of Advanced Manufacturing Technology</i> , 2016, 86, 2895-2904.	1.5	16
82	Self-passivating carbon film as bipolar plate protective coating in polymer electrolyte membrane fuel cell. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 5783-5792.	3.8	28
83	Dendritic microstructure and hot cracking of laser additive manufactured Inconel 718 under improved base cooling. <i>Journal of Alloys and Compounds</i> , 2016, 670, 312-321.	2.8	206
84	Failure transition mechanism in creep rupture of modified casting 9Cr-1.5Mo-1Co welded joint. <i>Materials and Design</i> , 2016, 97, 268-278.	3.3	27
85	Micro-scale model based study of solidification cracking formation mechanism in Al fiber laser welds. <i>Journal of Materials Processing Technology</i> , 2016, 231, 18-26.	3.1	20
86	Dynamic coupling between molten pool and metallic vapor ejection for fiber laser welding under subatmospheric pressure. <i>Journal of Materials Processing Technology</i> , 2016, 229, 431-438.	3.1	21
87	Microstructural characterization and wide temperature range mechanical properties of NiCrMoV steel welded joint with heavy section. <i>Journal of Materials Research</i> , 2015, 30, 2108-2116.	1.2	9
88	Liquid film migration in laser welded joint of Inconel 617. <i>Journal of Materials Research</i> , 2015, 30, 2340-2347.	1.2	0
89	Investigation on effects of process parameters on porosity in dissimilar Al alloy lap fillet welds. <i>International Journal of Advanced Manufacturing Technology</i> , 2015, 81, 843-849.	1.5	13
90	Reduced hot cracking susceptibility by controlling the fusion ratio in laser welding of dissimilar Al alloys joints. <i>Journal of Materials Research</i> , 2015, 30, 993-1001.	1.2	13

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91	Soft zone formation by carbon migration and its effect on the high-cycle fatigue in 9% Cr–CrMoV dissimilar welded joint. <i>Materials Letters</i> , 2015, 141, 242-244.	1.3	35
92	Investigation on creep behavior of welded joint of advanced 9%Cr steels. <i>Journal of Materials Research</i> , 2015, 30, 197-205.	1.2	17
93	Investigation on thermal inertia of GMAW-P welding on Al alloy. <i>Science and Technology of Welding and Joining</i> , 2015, 20, 106-114.	1.5	5
94	Investigation on Mechanical Properties of 9%Cr/CrMoV Dissimilar Steels Welded Joint. <i>Journal of Materials Engineering and Performance</i> , 2015, 24, 1434-1440.	1.2	13
95	Modelling the crack propagation behavior in 9Cr/CrMoV welds. <i>Journal of Materials Processing Technology</i> , 2015, 226, 125-133.	3.1	15
96	Liquation cracking in fiber laser welded joints of inconel 617. <i>Journal of Materials Processing Technology</i> , 2015, 226, 214-220.	3.1	48
97	Formation and influence mechanism of keyhole-induced porosity in deep-penetration laser welding based on 3D transient modeling. <i>International Journal of Heat and Mass Transfer</i> , 2015, 90, 1143-1152.	2.5	92
98	Creep behavior and microstructure evaluation of welded joint in dissimilar modified 9Cr–1Mo steels. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 644, 337-346.	2.6	62
99	Gleeble simulation of the HAZ in Inconel 617 welding. <i>Journal of Materials Processing Technology</i> , 2015, 225, 221-228.	3.1	43
100	Analysis of Al-steel resistance spot welding process by developing a fully coupled multi-physics simulation model. <i>International Journal of Heat and Mass Transfer</i> , 2015, 89, 1061-1072.	2.5	83
101	Investigation on the effects of shielding gas on porosity in fiber laser welding of T-joint steels. <i>International Journal of Advanced Manufacturing Technology</i> , 2015, 77, 1881-1888.	1.5	21
102	Study on the effect of laser-induced plasma plume on penetration in fiber laser welding under subatmospheric pressure. <i>International Journal of Advanced Manufacturing Technology</i> , 2015, 78, 331-339.	1.5	16
103	Correlation of microstructure and fracture toughness of advanced 9Cr/CrMoV dissimilarly welded joint. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 638, 240-250.	2.6	35
104	Experimental and numerical analysis of solidification cracking behaviour in fibre laser welding of 6013 aluminium alloy. <i>Science and Technology of Welding and Joining</i> , 2015, 20, 58-67.	1.5	11
105	Effects of isothermal heat treatment on nanostructured bainite morphology and microstructures in laser clad coatings. <i>Applied Surface Science</i> , 2015, 357, 309-316.	3.1	15
106	Mechanical constraint intensity effects on solidification cracking during laser welding of aluminum alloys. <i>Journal of Materials Processing Technology</i> , 2015, 218, 62-70.	3.1	17
107	Phase transitions and nucleation mechanisms in metals studied by nanocalorimetry: A review. <i>Thermochimica Acta</i> , 2015, 603, 2-23.	1.2	34
108	Statistical analysis of process parameters to eliminate hot cracking of fiber laser welded aluminum alloy. <i>Optics and Laser Technology</i> , 2015, 66, 15-21.	2.2	38

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109	Effect of subatmospheric pressure on plasma plume in fiber laser welding. Journal of Materials Processing Technology, 2015, 215, 219-224.	3.1	46
110	MICROSTRUCTURE AND WEAR RESISTANCE OF CHROMIUM CARBIDE COATING <i>IN SITU</i> SYNTHESIZED BY VEB. Surface Review and Letters, 2014, 21, 1450065.	0.5	2
111	Corrosion resistance and electrical properties of carbon/chromium-titanium-nitride multilayer coatings on stainless steel. Journal of Power Sources, 2014, 249, 299-305.	4.0	36
112	Numerical modeling on the formation process of keyhole-induced porosity for laser welding steel with T-joint. International Journal of Advanced Manufacturing Technology, 2014, 72, 241-254.	1.5	52
113	Porosity formation mechanism and its prevention in laser lap welding for T-joints. Journal of Materials Processing Technology, 2014, 214, 1658-1664.	3.1	50
114	Analysis of energy flow in gas metal arc welding processes through self-consistent three-dimensional process simulation. International Journal of Heat and Mass Transfer, 2014, 68, 215-223.	2.5	35
115	Analysis of solidification cracking susceptibility in side-by-side dual-beam laser welding of aluminum alloys. International Journal of Advanced Manufacturing Technology, 2014, 73, 73-85.	1.5	23
116	Migration behavior of solidification nuclei in pure Al melt under effect of electric current pulse. Transactions of Nonferrous Metals Society of China, 2014, 24, 192-198.	1.7	12
117	Experimental study on deep penetrated laser welding under local subatmospheric pressure. International Journal of Advanced Manufacturing Technology, 2014, 73, 699-706.	1.5	22
118	Role of butter layer in low-cycle fatigue behavior of modified 9Cr and CrMoV dissimilar rotor welded joint. Materials & Design, 2014, 59, 165-175.	5.1	40
119	Investigation of C/Al-Cr-N multilayer coatings for stainless steel bipolar plate in polymer electrolyte membrane fuel cells. Surface and Coatings Technology, 2014, 258, 1068-1074.	2.2	14
120	Microstructure characteristics and temperature-dependent high cycle fatigue behavior of advanced 9% Cr/CrMoV dissimilarly welded joint. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 615, 98-106.	2.6	35
121	Research on narrow-gap GMAW with swing arc system in horizontal position. International Journal of Advanced Manufacturing Technology, 2014, 74, 297-305.	1.5	38
122	Dramatically enhanced impact toughness in welded 10%Cr rotor steel by high temperature post-weld heat treatment. Materials Characterization, 2014, 92, 149-158.	1.9	38
123	Study on fatigue property and microstructure characteristics of welded nuclear power rotor with heavy section. Journal of Alloys and Compounds, 2014, 584, 430-437.	2.8	48
124	Numerical analysis of Al vapour effects in gas metal arc welding of Al alloys. Science and Technology of Welding and Joining, 2014, 19, 361-368.	1.5	10
125	Weld pool profile characteristics of Al alloy in double-pulsed GMAW. International Journal of Advanced Manufacturing Technology, 2013, 68, 2015-2023.	1.5	30
126	Arc profile characteristics of Al alloy in double-pulsed GMAW. International Journal of Advanced Manufacturing Technology, 2013, 65, 1-7.	1.5	68

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127	Effect of electric current pulse on flow behaviour of Al melt in parallel electrode process. Materials Science and Technology, 2013, 29, 226-233.	0.8	15
128	Reinforcement Behavior in Laser Welding of A356/TiB₂ MMCs. Materials Transactions, 2012, 53, 1644-1647.	0.4	7
129	Numerical simulation of laser tungsten inert arc deep penetration welding between WC-Co cemented carbide and invar alloys. International Journal of Advanced Manufacturing Technology, 2011, 53, 1049-1062.	1.5	21
130	Study of influencing factors and joint performance of laser brazing on zinc-coated steel plate. International Journal of Advanced Manufacturing Technology, 2008, 37, 961-965.	1.5	19
131	Scanning electron beam brazing of thin-wall capillary tube-sheet structure. Journal of Materials Processing Technology, 2008, 203, 301-304.	3.1	4
132	Fabrication of gradient material by electron beam smelting based on scanning track control. Frontiers of Materials Science in China, 2007, 1, 220-224.	0.5	0
133	Numerical simulation on interaction between TIG welding arc and weld pool. Computational Materials Science, 2006, 35, 458-465.	1.4	77
134	Modeling and finite element analysis on GTAW arc and weld pool. Computational Materials Science, 2004, 29, 371-378.	1.4	65
135	The Influence of Heterogeneous Microstructure on Low-Cycle Fatigue Behavior in NiCrMoV Welded Joint. Journal of Materials Engineering and Performance, 0, , 1.	1.2	0