

Fenggui Lu

List of Publications by Year in descending order

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papers

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126708

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136
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136
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136
times ranked

2187
citing authors

#	ARTICLE	IF	CITATIONS
1	Microstructure and corrosion properties of CrMnFeCoNi high entropy alloy coating. Applied Surface Science, 2017, 396, 1420-1426.	3.1	269
2	Dendritic microstructure and hot cracking of laser additive manufactured Inconel 718 under improved base cooling. Journal of Alloys and Compounds, 2016, 670, 312-321.	2.8	206
3	Numerical study of keyhole dynamics and keyhole-induced porosity formation in remote laser welding of Al alloys. International Journal of Heat and Mass Transfer, 2017, 108, 244-256.	2.5	160
4	Improved high-temperature hardness and wear resistance of Inconel 625 coatings fabricated by laser cladding. Journal of Materials Processing Technology, 2017, 243, 82-91.	3.1	145
5	Formation and influence mechanism of keyhole-induced porosity in deep-penetration laser welding based on 3D transient modeling. International Journal of Heat and Mass Transfer, 2015, 90, 1143-1152.	2.5	92
6	Analysis of Al-steel resistance spot welding process by developing a fully coupled multi-physics simulation model. International Journal of Heat and Mass Transfer, 2015, 89, 1061-1072.	2.5	83
7	Numerical simulation on interaction between TIG welding arc and weld pool. Computational Materials Science, 2006, 35, 458-465.	1.4	77
8	Arc profile characteristics of Al alloy in double-pulsed GMAW. International Journal of Advanced Manufacturing Technology, 2013, 65, 1-7.	1.5	68
9	Interface characterization and mechanical properties of dual beam laser welding-brazing Al/steel dissimilar metals. Journal of Manufacturing Processes, 2019, 40, 37-45.	2.8	67
10	Modeling and finite element analysis on GTAW arc and weld pool. Computational Materials Science, 2004, 29, 371-378.	1.4	65
11	Creep behavior and microstructure evaluation of welded joint in dissimilar modified 9Cr-1Mo steels. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 644, 337-346.	2.6	62
12	Laser synthesis and microstructure of micro- and nano-structured WC reinforced Co-based cladding layers on titanium alloy. Journal of Alloys and Compounds, 2018, 749, 10-22.	2.8	56
13	Laser powder deposition of carbon nanotube reinforced nickel-based superalloy Inconel 718. Carbon, 2016, 107, 361-370.	5.4	54
14	Effect of preheating on the defects and microstructure in NG-GMA welding of 5083 Al-alloy. Journal of Materials Processing Technology, 2018, 251, 214-224.	3.1	54
15	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
16	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
17	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
18	Liquation cracking in fiber laser welded joints of inconel 617. Journal of Materials Processing Technology, 2015, 226, 214-220.	3.1	48

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19	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
20	Effect of subatmospheric pressure on plasma plume in fiber laser welding. <i>Journal of Materials Processing Technology</i> , 2015, 215, 219-224.	3.1	46
21	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
22	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
23	Gleeble simulation of the HAZ in Inconel 617 welding. <i>Journal of Materials Processing Technology</i> , 2015, 225, 221-228.	3.1	43
24	Role of butter layer in low-cycle fatigue behavior of modified 9Cr and CrMoV dissimilar rotor welded joint. <i>Materials & Design</i> , 2014, 59, 165-175.	5.1	40
25	Research on narrow-gap GMAW with swing arc system in horizontal position. <i>International Journal of Advanced Manufacturing Technology</i> , 2014, 74, 297-305.	1.5	38
26	Dramatically enhanced impact toughness in welded 10%Cr rotor steel by high temperature post-weld heat treatment. <i>Materials Characterization</i> , 2014, 92, 149-158.	1.9	38
27	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
28	Corrosion resistance and electrical properties of carbon/chromium-titanium-nitride multilayer coatings on stainless steel. <i>Journal of Power Sources</i> , 2014, 249, 299-305.	4.0	36
29	Analysis of energy flow in gas metal arc welding processes through self-consistent three-dimensional process simulation. <i>International Journal of Heat and Mass Transfer</i> , 2014, 68, 215-223.	2.5	35
30	Microstructure characteristics and temperature-dependent high cycle fatigue behavior of advanced 9% Cr/CrMoV dissimilarly welded joint. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 615, 98-106.	2.6	35
31	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
32	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
33	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
34	Phase transitions and nucleation mechanisms in metals studied by nanocalorimetry: A review. <i>Thermochimica Acta</i> , 2015, 603, 2-23.	1.2	34
35	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
36	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

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37	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
38	Weld pool profile characteristics of Al alloy in double-pulsed GMAW. <i>International Journal of Advanced Manufacturing Technology</i> , 2013, 68, 2015-2023.	1.5	30
39	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
40	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
41	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
42	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
43	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
44	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
45	Analysis of solidification cracking susceptibility in side-by-side dual-beam laser welding of aluminum alloys. <i>International Journal of Advanced Manufacturing Technology</i> , 2014, 73, 73-85.	1.5	23
46	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
47	Experimental study on deep penetrated laser welding under local subatmospheric pressure. <i>International Journal of Advanced Manufacturing Technology</i> , 2014, 73, 699-706.	1.5	22
48	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
49	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
50	Numerical simulation of laser tungsten inert arc deep penetration welding between WC-Co cemented carbide and invar alloys. <i>International Journal of Advanced Manufacturing Technology</i> , 2011, 53, 1049-1062.	1.5	21
51	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
52	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
53	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
54	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

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55	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
56	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
57	Study of influencing factors and joint performance of laser brazing on zinc-coated steel plate. <i>International Journal of Advanced Manufacturing Technology</i> , 2008, 37, 961-965.	1.5	19
58	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
59	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
60	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
61	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
62	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
63	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
64	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
65	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
66	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
67	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
68	Effect of electric current pulse on flow behaviour of Al melt in parallel electrode process. <i>Materials Science and Technology</i> , 2013, 29, 226-233.	0.8	15
69	Modelling the crack propagation behavior in 9Cr/CrMoV welds. <i>Journal of Materials Processing Technology</i> , 2015, 226, 125-133.	3.1	15
70	Effects of isothermal heat treatment on nanostructured bainite morphology and microstructures in laser cladded coatings. <i>Applied Surface Science</i> , 2015, 357, 309-316.	3.1	15
71	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
72	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

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73	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
74	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
75	Investigation of C/Al ²⁺ Cr ²⁺ N multilayer coatings for stainless steel bipolar plate in polymer electrolyte membrane fuel cells. <i>Surface and Coatings Technology</i> , 2014, 258, 1068-1074.	2.2	14
76	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
77	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
78	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
79	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
80	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
81	Migration behavior of solidification nuclei in pure Al melt under effect of electric current pulse. <i>Transactions of Nonferrous Metals Society of China</i> , 2014, 24, 192-198.	1.7	12
82	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
83	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
84	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
85	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
86	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
87	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
88	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
89	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
90	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

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91	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
92	Study on the microstructure and toughness of dissimilarly welded joints of advanced 9Cr/CrMoV. Journal of Materials Research, 2016, 31, 3597-3609.	1.2	10
93	Characterization of high-gradient welded microstructure and its failure mode in fatigue test. International Journal of Fatigue, 2018, 113, 1-10.	2.8	10
94	Pitting behavior of welded joint and the role of carbon ring in improving corrosion resistance. Materials and Design, 2019, 183, 108120.	3.3	10
95	Failure competition behavior of 9Cr/617 dissimilar welded joint during LCF test at elevated temperature. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 773, 138810.	2.6	10
96	Microstructural characterization and wide temperature range mechanical properties of NiCrMoV steel welded joint with heavy section. Journal of Materials Research, 2015, 30, 2108-2116.	1.2	9
97	The characteristics and reduction of porosity in high-power laser welds of thick AISI 304 plate. International Journal of Advanced Manufacturing Technology, 2017, 93, 3517-3530.	1.5	9
98	The Microstructural Evolution of Vacuum Braze 1Cr18Ni9Ti Using Various Filler Metals. Materials, 2017, 10, 385.	1.3	9
99	Effect of zinc vapor forces on spattering in partial penetration laser welding of zinc-coated steels. Journal of Materials Processing Technology, 2021, 298, 117282.	3.1	9
100	Tungsten Carbide Grain Size Computation for WC-Co Dissimilar Welds. Journal of Materials Engineering and Performance, 2016, 25, 2500-2510.	1.2	8
101	Effects of Active Gases on Droplet Transfer and Weld Morphology in Pulsed-Current NG-GMAW of Mild Steel. Chinese Journal of Mechanical Engineering (English Edition), 2021, 34, .	1.9	8
102	Reinforcement Behavior in Laser Welding of A356/TiB₂ MMCs. Materials Transactions, 2012, 53, 1644-1647.	0.4	7
103	Fracture toughness evaluation for dissimilar steel joints by Charpy impact test. Welding in the World, Le Soudage Dans Le Monde, 2019, 63, 1243-1254.	1.3	7
104	Investigation of intrinsic correlation between microstructure evolution and mechanical properties for nickel-based weld metal. Materials and Design, 2019, 165, 107595.	3.3	7
105	Study on the Laves phase precipitation behavior and its effect on toughness of 10Cr-1Mo steel weld joint after thermal aging. Journal of Manufacturing Processes, 2021, 64, 1287-1295.	2.8	6
106	Contact-induced vibration tool in incremental sheet forming for formability improvement of aluminum sheets. Journal of Materials Research and Technology, 2022, 17, 1363-1379.	2.6	6
107	The evaporation behavior of zinc and its effect on spattering in laser overlap welding of galvanized steels. Journal of Materials Processing Technology, 2022, 306, 117625.	3.1	6
108	Investigation on thermal inertia of GMAW-P welding on Al alloy. Science and Technology of Welding and Joining, 2015, 20, 106-114.	1.5	5

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109	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
110	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
111	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
112	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
113	Scanning electron beam brazing of thin-wall capillary tube "sheet structure. <i>Journal of Materials Processing Technology</i> , 2008, 203, 301-304.	3.1	4
114	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
115	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
116	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
117	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
118	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
119	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
120	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
121	Characterization of Multi-layer Weld Metal and Creep Rupture Behavior of Modified 10Cr1Mo Welded Joint. <i>Acta Metallurgica Sinica (English Letters)</i> , 2020, 33, 808-820.	1.5	3
122	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
123	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
124	MICROSTRUCTURE AND WEAR RESISTANCE OF CHROMIUM CARBIDE COATING <i>IN SITU</i> SYNTHESIZED BY VEB. <i>Surface Review and Letters</i> , 2014, 21, 1450065.	0.5	2
125	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
126	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

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127	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
128	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
129	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
130	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
131	Fabrication of gradient material by electron beam smelting based on scanning track control. <i>Frontiers of Materials Science in China</i> , 2007, 1, 220-224.	0.5	0
132	Liquid film migration in laser welded joint of Inconel 617. <i>Journal of Materials Research</i> , 2015, 30, 2340-2347.	1.2	0
133	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
134	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
135	The Influence of Heterogeneous Microstructure on Low-Cycle Fatigue Behavior in NiCrMoV Welded Joint. <i>Journal of Materials Engineering and Performance</i> , 0, , 1.	1.2	0