

Xiaohong Zhan

List of Publications by Year in descending order

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129
papers

1,983
citations

257357

24
h-index

377752

34
g-index

129
all docs

129
docs citations

129
times ranked

762
citing authors

#	ARTICLE	IF	CITATIONS
1	Microstructure and porosity characteristics of 5A06 aluminum alloy joints using laser-MIG hybrid welding. <i>Journal of Manufacturing Processes</i> , 2018, 35, 437-445.	2.8	76
2	Cellular automaton simulation of grain growth with different orientation angles during solidification process. <i>Journal of Materials Processing Technology</i> , 2008, 208, 1-8.	3.1	74
3	Modeling and simulation of the columnar-to-equiaxed transition during laser melting deposition of Invar alloy. <i>Journal of Alloys and Compounds</i> , 2018, 755, 123-134.	2.8	51
4	The influence of heat input on microstructure and porosity during laser cladding of Invar alloy. <i>Optics and Laser Technology</i> , 2019, 113, 453-461.	2.2	50
5	Microstructure and magnesium burning loss behavior of AA6061 electron beam welding joints. <i>Materials and Design</i> , 2016, 99, 449-458.	3.3	49
6	The influence of the pre-placed powder layers on the morphology, microscopic characteristics and microhardness of Ti-6Al-4V/WC MMC coatings during laser cladding. <i>Optics and Laser Technology</i> , 2019, 119, 105572.	2.2	47
7	Comparison between hybrid laser-MIG welding and MIG welding for the invar36 alloy. <i>Optics and Laser Technology</i> , 2016, 85, 75-84.	2.2	44
8	Crack defects and formation mechanism of FeCoCrNi high entropy alloy coating on TC4 titanium alloy prepared by laser cladding. <i>Journal of Alloys and Compounds</i> , 2022, 903, 163905.	2.8	44
9	Effect of laser heat input on the interface morphology during laser joining of CFRTP and 6061 aluminum alloy. <i>Journal of Manufacturing Processes</i> , 2020, 50, 366-379.	2.8	43
10	Effect of infrared laser surface treatment on the microstructure and properties of adhesively CFRP bonded joints. <i>Optics and Laser Technology</i> , 2018, 106, 398-409.	2.2	40
11	Investigate on the porosity morphology and formation mechanism in laser-MIG hybrid welded joint for 5A06 aluminum alloy with Y-shaped groove. <i>Journal of Manufacturing Processes</i> , 2020, 57, 847-856.	2.8	39
12	The effect of temperature alternating load on residual stresses for Al-Li alloy T-joints welded by dual laser beam bilateral synchronous welding. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 107, 1-13.	1.5	37
13	Melt flow and thermal transfer during magnetically supported laser beam welding of thick aluminum alloy plates. <i>Journal of Materials Processing Technology</i> , 2018, 254, 325-337.	3.1	36
14	Influence of magnetic field orientation on molten pool dynamics during magnet-assisted laser butt welding of thick aluminum alloy plates. <i>Optics and Laser Technology</i> , 2018, 104, 148-158.	2.2	35
15	Experimental and simulation study on the microstructure of TA15 titanium alloy laser beam welded joints. <i>Optics and Laser Technology</i> , 2017, 94, 279-289.	2.2	34
16	Quantitative research on microstructure and thermal physical mechanism in laser melting deposition for Invar alloy. <i>Journal of Manufacturing Processes</i> , 2018, 31, 221-231.	2.8	33
17	Experimental and numerical analysis on the strength of 2060 Al-Li alloy adhesively bonded T joints. <i>International Journal of Adhesion and Adhesives</i> , 2016, 65, 79-87.	1.4	31
18	Study on keyhole coupling and melt flow dynamic behaviors simulation of 2219 aluminum alloy T-joint during the dual laser beam bilateral synchronous welding. <i>Journal of Manufacturing Processes</i> , 2020, 60, 200-212.	2.8	31

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19	Effect of heat input on the subgrains of laser melting deposited Invar alloy. Optics and Laser Technology, 2019, 109, 577-583.	2.2	30
20	Effect of external applied steady magnetic field on the morphology of laser welding joint of 4-mm 2024 aluminum alloy. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	1.1	29
21	Weld profile, microstructure, and mechanical property of laser-welded butt joints of 5A06 Al alloy with static magnetic field support. International Journal of Advanced Manufacturing Technology, 2017, 92, 1677-1686.	1.5	29
22	Effects of welding parameters on microstructures and mechanical properties of disk laser beam welded 2A14-T6 aluminum alloy joint. Journal of Manufacturing Processes, 2018, 31, 240-246.	2.8	27
23	Study on the shear performance and fracture mechanism of T-joints for 2219 aluminum alloy by dual laser-beam bilateral synchronous welding. Journal of Alloys and Compounds, 2020, 847, 156511.	2.8	27
24	Study on 2219 Al-Cu alloy T-joint used dual laser beam bilateral synchronous welding: Parameters optimization based on the simulation of temperature field and residual stress. Optics and Laser Technology, 2020, 132, 106481.	2.2	25
25	The Numerical and Experimental Investigation of the Multi-layer Laser-MIG Hybrid Welding for Fe36Ni Invar Alloy. Journal of Materials Engineering and Performance, 2015, 24, 4948-4957.	1.2	24
26	Effect of micro morphology in different zones on mechanical properties of 2060 Al-Li alloy laser welded joints. Journal of Manufacturing Processes, 2020, 50, 336-344.	2.8	24
27	Thermoelectric currents and thermoelectric-magnetic effects in full-penetration laser beam welding of aluminum alloy with magnetic field support. International Journal of Heat and Mass Transfer, 2018, 127, 332-344.	2.5	23
28	Study on 2219 aluminum alloy T-joint during dual laser-beam bilateral synchronous welding : Effect of the welding speed and incident beam angle on grain morphology. Optics and Laser Technology, 2019, 119, 105594.	2.2	23
29	Research on the Microstructure Characteristic and Tensile Property of Laser-MIG Hybrid Welded Joint for 5A06 Aluminum Alloy. Metals and Materials International, 2020, 26, 346-359.	1.8	23
30	Study on the intelligent model database modeling the laser welding for aerospace aluminum alloy. Journal of Manufacturing Processes, 2021, 63, 121-129.	2.8	23
31	Microstructure and property characteristics of thick Invar alloy plate joints using weave bead welding. Journal of Materials Processing Technology, 2017, 244, 97-105.	3.1	22
32	Parameter optimisation of laser cladding repair for an Invar alloy mould. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2019, 233, 1859-1871.	1.5	22
33	Strengthening mechanism of Y2O3 nanoparticles on microstructure and mechanical properties of the laser additive manufacturing joint for large thickness TC4 titanium alloy. Journal of Manufacturing Processes, 2021, 71, 37-55.	2.8	22
34	Improving intermetallic compounds inhomogeneity of Ti/Al butt joints by dual laser-beam bilateral synchronous welding-brazing. Optics and Laser Technology, 2022, 146, 107533.	2.2	21
35	Effect of welding parameters on porosity distribution of dual laser beam bilateral synchronous welding in 2219 aluminum alloy T-joint. Journal of Adhesion Science and Technology, 2019, 33, 2595-2614.	1.4	20
36	Research on the stripping performance during dual laser-beam bilateral synchronous welding of 2219 aluminum alloy T-joint for spacecraft. Journal of Manufacturing Processes, 2019, 45, 33-45.	2.8	20

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37	Simulated and experimental studies of laser-MIG hybrid welding for plate-pipe dissimilar steel. International Journal of Advanced Manufacturing Technology, 2019, 101, 1611-1622.	1.5	20
38	Numerical simulation optimization for laser welding parameter of 5A90 Al-Li alloy and its experiment verification. Journal of Adhesion Science and Technology, 2019, 33, 137-155.	1.4	20
39	Investigation of laser joining process of CFRTP and aluminum alloy. Materials and Manufacturing Processes, 2020, 35, 1251-1258.	2.7	20
40	Research on the microstructure and properties of laser-MIG hybrid welded joint of Invar alloy. Optics and Laser Technology, 2017, 97, 124-136.	2.2	19
41	Influence of laser power on molten pool flow field of laser-MIG hybrid welded Invar alloy. Optics and Laser Technology, 2021, 133, 106539.	2.2	19
42	Effect of Scanning Speed with UV Laser Cleaning on Adhesive Bonding Tensile Properties of CFRP. Applied Composite Materials, 2019, 26, 1087-1099.	1.3	17
43	Effect of beam oscillating frequency on the microstructure and mechanical properties of dissimilar laser welding of AA2060 and AA6061 alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 832, 142431.	2.6	17
44	Microstructure and element distribution characteristics of Y2O3 modulated WC reinforced coating on Invar alloys by laser cladding. Optics and Laser Technology, 2022, 153, 108205.	2.2	17
45	Comparison between weave bead welding and multi-layer multi-pass welding for thick plate Invar steel. International Journal of Advanced Manufacturing Technology, 2017, 88, 2211-2225.	1.5	16
46	Temperature field simulation and grain morphology on laser welding-brazing between Ti-6Al-4V and 1050 aluminum alloy. Materials Research Express, 2019, 6, 056551.	0.8	16
47	Microstructure and stress distribution of TC4 titanium alloy joint using laser-multi-pass-narrow-gap welding. International Journal of Advanced Manufacturing Technology, 2020, 108, 3725-3735.	1.5	16
48	Effect of porosity morphology and elements characteristics on mechanical property in T-joints during dual laser-beam bilateral synchronous welding of 2060/2099 Al-Li alloys. Optics and Laser Technology, 2021, 140, 107019.	2.2	16
49	The porosity formation mechanism in the laser-MIG hybrid welded joint of Invar alloy. Optics and Laser Technology, 2017, 95, 86-93.	2.2	14
50	Effect of heat accumulation on the microstructure of Invar alloy manufactured by multi-layer multi-pass laser melting deposition. Optics and Laser Technology, 2021, 144, 107407.	2.2	14
51	Study on effects of pre-treatment and surface roughness on tensile-shear strength of 2060 Al-Li alloy adhesive joints. Journal of Adhesion, 2017, 93, 613-625.	1.8	13
52	Numerical simulation on backward deformation of MIG multi-layer and multi-pass welding of thick Invar alloy. International Journal of Advanced Manufacturing Technology, 2017, 92, 1001-1012.	1.5	13
53	Numerical simulation of flow field in the Invar alloy laser-MIG hybrid welding pool based on different heat source models. International Journal of Numerical Methods for Heat and Fluid Flow, 2018, 28, 909-926.	1.6	13
54	Numerical simulation of keyhole behaviors and droplet transfer in laser-MIG hybrid welding of Invar alloy. International Journal of Numerical Methods for Heat and Fluid Flow, 2018, 28, 1974-1993.	1.6	13

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55	Microstructure and texture evolution of Ti-6Al-4V alloy T-joint fabricated by dual laser beam bilateral synchronous welding. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 822, 141426.	2.6	13
56	Parameter optimization of multi-pass multi-layer MIG welded joint for invar alloy. <i>International Journal of Advanced Manufacturing Technology</i> , 2016, 87, 601-613.	1.5	12
57	Investigation on parameter optimization for laser welded butt joint of TA15 alloy. <i>International Journal of Advanced Manufacturing Technology</i> , 2016, 84, 2697-2706.	1.5	12
58	Numerical simulation of resistance welding of solar cell using a thermal-electrical-mechanical coupled model. <i>Journal of Mechanical Science and Technology</i> , 2018, 32, 269-276.	0.7	12
59	Effect of surface cold ablation on shear strength of CFRP adhesively bonded joint after UV laser treatment. <i>International Journal of Adhesion and Adhesives</i> , 2019, 94, 13-23.	1.4	12
60	Comparative study of infrared laser surface treatment and ultraviolet laser surface treatment of CFRP laminates. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 102, 4059-4071.	1.5	12
61	The porosity formation mechanism in the laser welded joint of TA15 titanium alloy. <i>Materials Research Express</i> , 2019, 6, 076558.	0.8	12
62	The influence of thermal distribution on macro profile and dendrites morphology based on temperature field simulation of 6061 aluminum alloy laser welded joint. <i>Journal of Adhesion Science and Technology</i> , 2020, 34, 2144-2160.	1.4	12
63	Effect of droplet transition on the dynamic behavior of the keyhole during 6061 aluminum alloy laser-MIG hybrid welding. <i>International Journal of Advanced Manufacturing Technology</i> , 2022, 119, 897-909.	1.5	12
64	Influence of different micro-pattern types on interface characteristic and mechanical property of CFRTP/aluminum alloy laser bonding joint. <i>International Journal of Advanced Manufacturing Technology</i> , 2022, 120, 3543-3557.	1.5	12
65	Effect of clamping pressure on interfacial fusion morphology and fracture mechanism of CFRTP/Ti6Al4V laser bonding joint featuring blind hole surface microtextures. <i>Optics and Laser Technology</i> , 2022, 153, 108192.	2.2	12
66	Morphology and formation mechanism of equiaxed grains along the fusion boundary in Al-Li alloy weld seam. <i>Materials Research Express</i> , 2018, 5, 116523.	0.8	11
67	The effect of cryogenic applications on tensile strength of aluminum 2219-T87 T-joint welded by dual laser-beam bilateral synchronous welding. <i>Journal of Manufacturing Processes</i> , 2020, 56, 777-785.	2.8	11
68	Comparative investigation between fiber laser and disk laser: Microstructure feature of 2219 aluminum alloy welded joint using different laser power and welding speed. <i>Optics and Laser Technology</i> , 2021, 141, 107121.	2.2	11
69	Temperature variation and mass transport simulations of invar alloy during continuous-wave laser melting deposition. <i>Optics and Laser Technology</i> , 2022, 152, 108163.	2.2	11
70	Investigation of welding parameters on microstructure and mechanical properties of laser beam-welded joint of 2060 Al-Cu-Li alloy. <i>International Journal of Advanced Manufacturing Technology</i> , 2017, 91, 771-780.	1.5	10
71	A comparative study on laser beam and electron beam welding of 5A06 aluminum alloy. <i>Materials Research Express</i> , 2019, 6, 056563.	0.8	10
72	Analysis of Elements Non-Uniform Distribution of FeCoCrNi High-Entropy Alloy Coatings on Ti-6Al-4V Surface by Laser Cladding. <i>Metals and Materials International</i> , 2021, 27, 467-480.	1.8	10

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73	Numerical simulation of thermal distribution and residual stress characteristic for laser wobble joining of CFRTP and Ti-6Al-4V alloy. <i>Journal of Manufacturing Processes</i> , 2022, 79, 562-575.	2.8	10
74	Simulated investigation on the deformation of double laser beam bilateral and simultaneous welding for aircraft panel. <i>Journal of Laser Applications</i> , 2015, 27, 022011.	0.8	9
75	Effect of welding direction on deformation of Ti6Al4V alloy coplanar double lap-joint produced by dual laser beam bilateral synchronous welding. <i>Optics and Laser Technology</i> , 2020, 131, 106447.	2.2	9
76	The influence of heat input on the microstructure and solute segregation mechanism of invar alloy laser melting deposition process. <i>Materials Research Express</i> , 2018, 5, 116530.	0.8	8
77	Grain growth and texture evolution of weld seam during solidification in laser beam deep penetration welding of 2219 aluminum alloy. <i>Materials Research Express</i> , 2019, 6, 1165e3.	0.8	8
78	Fracture mechanism on Al-Li alloy T-joint welded by dual laser-beam bilateral synchronous welding. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2019, 233, 2074-2088.	1.5	8
79	Comparative study on the morphology and mechanical strength of induction welding joint of polyetheretherketone under different currents. <i>Polymer Engineering and Science</i> , 2020, 60, 2908-2917.	1.5	8
80	Optimization of dilution rate of laser cladding repair based on deep learning. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 110, 1471-1484.	1.5	8
81	Comparative Study on Microstructure and Aluminum Distribution Between Laser Beam Welding and Electron Beam Welding of Ti-6Al-4V Alloy Plates. <i>Metals and Materials International</i> , 2021, 27, 3449-3461.	1.8	8
82	Effect of heat input on macro morphology and porosity of laser-MIG hybrid welded joint for 5A06 aluminum alloy. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 115, 4035-4045.	1.5	8
83	Effect of vapor/plasma-liquid flow behavior on the keyhole oscillation in laser-MIG hybrid welding of Invar alloy. <i>Optics and Laser Technology</i> , 2021, 140, 107054.	2.2	8
84	Thermal behavior and microstructure evolution mechanism of Ti6Al4V 80Åmm thick plates jointed by laser melting deposition. <i>Journal of Manufacturing Processes</i> , 2021, 71, 12-26.	2.8	8
85	The tensile properties of 2219 aluminum alloy plate butt joint welded by novel laser mirror welding. <i>Optics and Laser Technology</i> , 2022, 149, 107796.	2.2	8
86	Effect of power distribution on the temperature evolution in laser-MIG hybrid welding for Q235 Steel. <i>Modern Physics Letters B</i> , 2019, 33, 1950405.	1.0	7
87	Comparative study on experimental and numerical investigations of laser beam and electron beam welded joints for Ti6Al4V alloy. <i>Journal of Laser Applications</i> , 2017, 29, .	0.8	6
88	X-ray online detection for laser welding T-joint of Al-Li alloy. <i>Modern Physics Letters B</i> , 2017, 31, 1750154.	1.0	6
89	Effect of Solute Diffusion on Dendrite Growth in the Molten Pool of Al-Cu Alloy. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2017, 48, 2685-2694.	1.0	6
90	The pores formation mechanism in the laser-MIG hybrid welded joint of mild steel. <i>Materials Research Express</i> , 2019, 6, 095803.	0.8	6

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91	Effect of welding sequence on stress and deformation field of Invar alloy multi-layer and multi-pass welding: A simulation study. <i>Modern Physics Letters B</i> , 2020, 34, 2050129.	1.0	6
92	Influence of Laser Power on Grain Size and Tensile Strength of 5A90 Al-Li Alloy T-joint Fabricated by Dual Laser-Beam Bilateral Synchronous Welding. <i>Metals and Materials International</i> , 2021, 27, 1671-1685.	1.8	6
93	Study on the grain morphology and fracture performance of T-joints for Ti6Al4V alloy manufactured by dual laser beam bilateral synchronous welding. <i>Optics and Laser Technology</i> , 2021, 141, 107153.	2.2	6
94	Research on microstructure evolution and tensile characteristics of Ti6Al4V double lap-fillet joints fabricated by dual laser-beam bilateral synchronous welding. <i>Optics and Laser Technology</i> , 2022, 145, 107472.	2.2	6
95	Research on the cryogenic axial tensile fracture mechanism for 2219 aluminum alloy T-joint by dual laser-beam bilateral synchronous welding. <i>Optics and Laser Technology</i> , 2022, 148, 107706.	2.2	6
96	Simulation of the Effect of Keyhole Instability on Porosity during the Deep Penetration Laser Welding Process. <i>Metals</i> , 2022, 12, 1200.	1.0	6
97	The feasibility of intelligent welding procedure qualification system for Q345R SMAW. <i>International Journal of Advanced Manufacturing Technology</i> , 2016, 83, 765-777.	1.5	5
98	Porosity-grain growth relationships in the laser beam deep penetration welding of 6061 aluminum alloy. <i>Journal of Adhesion Science and Technology</i> , 2021, 35, 1372-1392.	1.4	5
99	Droplet Transfer Induced Keyhole Fluctuation and Its Influence Regulation on Porosity Rate during Hybrid Laser Arc Welding of Aluminum Alloys. <i>Metals</i> , 2021, 11, 1510.	1.0	5
100	Numerical simulation to study the effects of different laser cladding sequences on residual stress and deformation of Ti-6Al-4V/WC. <i>Journal of Materials Research</i> , 2021, 36, 3214-3225.	1.2	5
101	Effect of heat input on microstructure and corrosion resistance in heat affected zone of 304 stainless steel joint by laser welding. <i>Materials Today Communications</i> , 2022, 30, 103054.	0.9	5
102	A comparative study between pulsed metal inert gas welding and continuous metal inert gas welding on thin Invar alloy. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2019, 233, 527-538.	1.5	4
103	Effect of Laser Power on Tensile Performance of TA15 Laser-Welded Lock Bottom Joint. <i>Metals and Materials International</i> , 2021, 27, 4645-4656.	1.8	4
104	The influence of energy distribution factor during laser-MIG hybrid welding of Invar alloy. <i>International Journal of Advanced Manufacturing Technology</i> , 2017, 93, 4305-4316.	1.5	3
105	Research on X-ray image processing technology for laser welded joints of aluminum alloy. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 99, 683-694.	1.5	3
106	Microstructure and mechanical properties of the MLMPW on Invar alloy. <i>Materials Research Express</i> , 2019, 6, 046529.	0.8	3
107	Study on the formation mechanism of fine equiaxed grain ribbons along the fusion lines during 2060/2099 Al-Li alloys dual laser-beam synchronous welding process. <i>Materials Research Express</i> , 2019, 6, 1265a6.	0.8	3
108	The porosity formation mechanism in the laser-welded butt joint of 8 mm thickness Ti-6Al-4V alloy: Effect of welding speed on the metallurgical pore formation. <i>Modern Physics Letters B</i> , 2020, 34, 2050056.	1.0	3

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109	Investigation on laser-MIG hybrid-welded joint for 5A06 aluminum alloy: effect of the laser heat input on grain size and microhardness. <i>Journal of Adhesion Science and Technology</i> , 2022, 36, 437-452.	1.4	3
110	Effect of laser power on the grain morphology and microhardness of dual laser-beam bilateral synchronous welded 2219 aluminium alloy T-joint. <i>Science and Technology of Welding and Joining</i> , 2021, 26, 540-550.	1.5	3
111	Study on the interface morphology in the induction welding joint of PEEK plate at low power. <i>Journal of Polymer Engineering</i> , 2020, 40, 432-439.	0.6	3
112	Study on bubble morphology at interface of laser direct joint between carbon fiber reinforced thermoplastic (CFRTP) and titanium alloy. <i>Journal of Polymer Engineering</i> , 2020, 40, 868-875.	0.6	3
113	Effect of defocusing amount on morphology and microstructure of 8-mm-thick Ti-6Al-4V laser deep penetration welded joint. <i>International Journal of Advanced Manufacturing Technology</i> , 2022, 119, 3747-3756.	1.5	3
114	Influence of the different surface treatments on fracture property of CFRP adhesive joint. <i>Journal of Adhesion Science and Technology</i> , 2023, 37, 961-975.	1.4	3
115	Numerical simulation and experimental investigation of laser joining Ti6Al4V alloy and CFRTP with embedded Ti6Al4V alloy. <i>Optics and Laser Technology</i> , 2022, 156, 108433.	2.2	3
116	The cryogenic shear property and fracture mechanism for 2219 aluminum alloy T-joint fabricated by dual laser-beam bilateral synchronous welding. <i>Materials Letters</i> , 2021, 291, 129555.	1.3	2
117	Three-dimensional forming characteristics and mechanical property of additive manufacturing aluminium-copper alloys. <i>Materials Science and Technology</i> , 2022, 38, 1519-1531.	0.8	2
118	FE analysis of the residual stresses for the laser welded T-joint of Al-Li alloy under service loads. <i>Materials Research Express</i> , 2019, 6, 096515.	0.8	1
119	The influences of different filler metals on the microstructure of Invar Fe-36Ni alloy multi-layer multi-pass MIG welding. <i>Materials Research Express</i> , 2019, 6, 026555.	0.8	1
120	Microstructure and alloy element distribution near the fusion line of aluminum alloy 6061 in laser wire-filling welding. <i>Modern Physics Letters B</i> , 2020, 34, 2050317.	1.0	1
121	Effect of temperature alternating load on stripping performance of Al-Li alloy T-joint manufactured by dual laser beam bilateral synchronous welding. <i>Journal of Adhesion Science and Technology</i> , 2021, 35, 468-484.	1.4	1
122	Comparative study on interface morphology and tensile property of CFRTP/Ti6Al4V laser joining joint under various groove dimensions. <i>Journal of Polymer Engineering</i> , 2021, 41, 442-449.	0.6	1
123	Study on grain size of deposition layer in single-layer laser melting deposition additive manufacturing on Invar alloy. <i>Optical Engineering</i> , 2018, 58, 1.	0.5	1
124	Effect of thermal behavior on the grain morphology and dimension of 80-mm-thick Ti6Al4V plates joined by laser melting deposition. <i>International Journal of Advanced Manufacturing Technology</i> , 2022, 120, 2671-2683.	1.5	1
125	Study on microstructure and composition segregation of laser welded joints of 2A14 aluminum alloy. <i>Materials Research Express</i> , 2019, 6, 026563.	0.8	0
126	Microstructure evolution mechanism of single and multi-pass in laser cladding based on heat accumulation effect for invar alloy. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 117, 3447.	1.5	0

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127	Fracture characteristics of the laser bonding joint between the aluminum alloy and the CFRTP with preset aluminum alloy sheet. International Journal of Advanced Manufacturing Technology, 2022, 120, 251-263.	1.5	0
128	Research on the Microstructure Characteristics and Mechanical Properties of Autogenous and Non-autogenous Laser Beam Welded AA2195 Joints Without Removal of Surface Oxide Layers. Journal of Materials Engineering and Performance, 0, , 1.	1.2	0
129	Effect of Heat Input on LMHMW Joint of Carbon Steel. Applied Sciences (Switzerland), 2022, 12, 301.	1.3	0