Sanbao Lin

List of Publications by Year
in descending order

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143 papers	3,518 citations	172457 29 h-index	189892 50 g-index
143 all docs	143 docs citations	143 times ranked	1698 citing authors

#	Article	IF	Citations
1	Effects of Si additions on intermetallic compound layer of aluminumâ€“steel TIG weldingâ€“brazing joint. Journal of Alloys and Compounds, 2009, 488, 217-222.	5.5	193
2	The influence of pin geometry on bonding and mechanical properties in friction stir weld 2014 Al alloy. Materials Letters, 2005, 59, 2948-2952.	2.6	164
3	Spreading behavior and microstructure characteristics of dissimilar metals TIG weldingâ€“brazing of aluminum alloy to stainless steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2009, 509, 31-40.	5.6	145
4	Influence of processing parameters on the characteristics of stainless steel/copper laser welding. Journal of Materials Processing Technology, 2015, 222, 43-51.	6.3	141
5	Brazability of dissimilar metals tungsten inert gas butt weldingâ€“brazing between aluminum alloy and stainless steel with Alâ€“Cu filler metal. Materials & Design, 2010, 31, 2637-2642.	5.1	110
6	Defects formation procedure and mathematic model for defect free friction stir welding of magnesium alloy. Materials & Design, 2006, 27, 805-809.	5.1	98
7	Influence of pin geometry on material flow in friction stir welding process. Materials Science and Technology, 2006, 22, 45-50.	1.6	94
8	Penetration increase of AISI 304 using ultrasonic assisted tungsten inert gas welding. Science and Technology of Welding and Joining, 2009, 14, 765-767.	3.1	80
9	Mechanical properties of 2219-Al components produced by additive manufacturing with TIG. International Journal of Advanced Manufacturing Technology, 2016, 86, 479-485.	3.0	80
10	Analysis of intermetallic layer in dissimilar TIG weldingâ€“brazing butt joint of aluminium alloy to stainless steel. Science and Technology of Welding and Joining, 2010, 15, 213-218.	3.1	71
11	Prediction and optimization of weld bead geometry in oscillating arc narrow gap all-position GMA welding. International Journal of Advanced Manufacturing Technology, 2015, 79, 183-196.	3.0	63
12	Grain fragmentation in ultrasonic-assisted TIG weld of pure aluminum. Ultrasonics Sonochemistry, 2017, 39, 403-413.	8.2	61
13	Prediction of particle motion in a two-dimensional bubbling fluidized bed using discrete hard-sphere model. Chemical Engineering Science, 2005, 60, 3217-3231.	3.8	58
14	Mechanical Properties and Fracture Behaviors of GTA-Additive Manufactured 2219-Al After an Especial Heat Treatment. Journal of Materials Engineering and Performance, 2017, 26, 1808-1816.	2.5	58
15	Effects of thermal cycles on microstructure evolution of 2219-Al during GTA-additive manufacturing. International Journal of Advanced Manufacturing Technology, 2016, 87, 2615-2623.	3.0	54
16	Application of rotating arc system to horizontal narrow gap welding. Science and Technology of Welding and Joining, 2009, 14, 172-177.	3.1	49
17	Transformation-enhanced strength and ductility in a FeCoCrNiMn dual phase high-entropy alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 780, 139182.	5.6	48
18	Wire arc additive manufacturing of Al-Zn-Mg-Cu alloy: Microstructures and mechanical properties. Additive Manufacturing, 2020, 36, 101447.	3.0	44

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19	Interfacial microstructures and mechanical property of vaporizing foil actuator welding of aluminum alloy to steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 659, 12-21.	5.6	42
20	Metallurgical and mechanical investigations of aluminium-steel butt joint made by tungsten inert gas weldingâ€“brazing. Science and Technology of Welding and Joining, 2009, 14, 636-639.	3.1	37
21	Dissimilar metals TIG welding-brazing of aluminum alloy to galvanized steel. Frontiers of Materials Science in China, 2009, 3, 78-83.	0.5	37
22	Research on short circuiting transfer mode of ultrasonic assisted GMAW method. Science and Technology of Welding and Joining, 2012, 17, 186-191.	3.1	37
23	Statistical modelling of weld bead geometry in oscillating arc narrow gap all-position GMA welding. International Journal of Advanced Manufacturing Technology, 2014, 72, 1705-1716.	3.0	36
24	Novel soft variable polarity plasma arc and its influence on keyhole in horizontal welding of aluminium alloys. Science and Technology of Welding and Joining, 2014, 19, 493-499.	3.1	36
25	Effect of acoustic field parameters on arc acoustic binding during ultrasonic wave-assisted arc welding. Ultrasonics Sonochemistry, 2016, 29, 476-484.	8.2	36
26	Analysis of droplet transfer, weld formation and microstructure in Al-Cu alloy bead welding joint with pulsed ultrasonic-GMAW method. Journal of Materials Processing Technology, 2019, 271, 144-151.	6.3	36
27	Microstructure and tensile properties of Ti/Al dissimilar joint by laser welding-brazing at subatmospheric pressure. Journal of Manufacturing Processes, 2020, 56, 19-27.	5.9	35
28	Investigation of formation and microstructure of Ti-6Al-4V weld bead during pulse ultrasound assisted TIG welding. Journal of Manufacturing Processes, 2019, 46, 241-247.	5.9	33
29	Metal transfer characteristics of rotating arc narrow gap horizontal GMAW. Science and Technology of Welding and Joining, 2009, 14, 760-764.	3.1	31
30	Evaluation on microstructure and mechanical properties of high-strength low-alloy steel joints with oscillating arc narrow gap GMA welding. International Journal of Advanced Manufacturing Technology, 2014, 75, 1439-1446.	3.0	31
31	Study on Pores in Ultrasonicâ€Assisted TIG Weld of Aluminum Alloy. Metals, 2017, 7, 53.	2.3	31
32	Process characteristics and properties of AA2219 aluminum alloy welded by double pulsed VPTIG welding. Journal of Materials Processing Technology, 2019, 266, 255-263.	6.3	31
33	Grain refinement of additive manufactured Ti-6.5Al-3.5Mo-1.5Zr-0.3Si titanium alloy by the addition of La2O3. Materials Letters, 2020, 275, 128170.	2.6	31
34	Effect of high Fe content on the microstructure, mechanical and corrosion properties of AlCoCrFeNi high-entropy alloy coatings prepared by gas tungsten arc cladding. Surface and Coatings Technology, 2021, 418, 127242.	4.8	30
35	Nano-indentation and in-situ investigations of double-sided laser beam welded 2060-T8/2099-T83 Al-Li alloys T-joints. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 756, 291-301.	5.6	29
36	Grain refinement of wire arc additive manufactured titanium alloy by the combined method of boron addition and low frequency pulse arc. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 805, 140557.	5.6	29

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37	Ultrasonic induces grain refinement in gas tungsten arc cladding AlCoCrFeNi high-entropy alloy coatings. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 821, 141607.	5.6	29
38	Optimization of the microstructure and mechanical properties of the high nitrogen stainless steel weld by adding nitrides to the molten pool. Journal of Manufacturing Processes, 2020, 49, 355-364.	5.9	27
39	Effects of shielding gas composition on arc behaviors and weld formation in narrow gap tandem GMAW. International Journal of Advanced Manufacturing Technology, 2017, 91, 3449-3456.	3.0	26
40	Molten pool behaviors and weld forming characteristics of all-position tandem narrow gap GMAW. International Journal of Advanced Manufacturing Technology, 2016, 87, 2437-2444.	3.0	25
41	Process Stability of Ultrasonic-Wave-Assisted Gas Metal Arc Welding. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2017, 48, 4615-4621.	2.2	25
42	Interfacial characteristics of Ti/Al joint by vaporizing foil actuator welding. Journal of Materials Processing Technology, 2019, 263, 73-81.	6.3	25
43	Microstructure and mechanical properties of Q235 steel welded joint in pulsed and un-pulsed ultrasonic assisted gas tungsten arc welding. Journal of Materials Processing Technology, 2020, 275, 116335.	6.3	25
44	Ultrasonic suppression of element segregation in gas tungsten arc cladding AlCoCuFeNi high-entropy alloy coatings. Surface and Coatings Technology, 2021, 420, 127364.	4.8	25
45	Combination Effects of Nocolok Flux with Ni Powder on Properties and Microstructures of Aluminum-Stainless Steel TIG Welding-Brazing Joint. Journal of Materials Engineering and Performance, 2013, 22, 3315-3323.	2.5	24
46	Effect of Ultrasound on Heterogeneous Nucleation in TIG Welding of Alâ€“Li Alloy. Acta Metallurgica Sinica (English Letters), 2016, 29, 1081-1088.	2.9	24
47	Microstructures and mechanical properties of stainless steel clad plate joint with diverse filler metals. Journal of Materials Research and Technology, 2020, 9, 2522-2534.	5.8	24
48	Effects of shielding gas composition on arc properties and wire melting characteristics in narrow gap MAG welding. Journal of Materials Processing Technology, 2017, 244, 225-230.	6.3	23
49	Interfacial ferrite band formation to suppress intergranular liquid copper penetration of solid steel. Journal of Alloys and Compounds, 2019, 773, 719-729.	5.5	23
50	Arc characteristics and weld appearance in pulsed ultrasonic assisted GTAW process. Results in Physics, 2019, 15, 102692.	4.1	22
51	Comparison of microstructure, mechanical properties, and corrosion behavior of Gas Metal Arc (GMA) and Ultrasonic-wave-assisted GMA (U-GMA) welded joints of Alâ€“Znâ€“Mg alloy. Journal of Materials Processing Technology, 2020, 277, 116470.	6.3	22
52	Molten pool behaviour and weld forming mechanism of tandem narrow gap vertical GMAW. Science and Technology of Welding and Joining, 2016, 21, 124-130.	3.1	21
53	Effect of Laser Beam Oscillation on Laser Weldingâ€“Brazing of Ti/Al Dissimilar Metals. Materials, 2019, 12, 4165.	2.9	21
54	Pulsed TIG Weldingâ€“Brazing of Aluminumâ€“Stainless Steel with an Al-Cu Twin Hot Wire. Journal of Materials Engineering and Performance, 2019, 28, 1180-1189.	2.5	21

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55	Wire arc additive manufacturing of titanium aluminide alloys using two-wire TOP-TIG welding: Processing, microstructures, and mechanical properties. Additive Manufacturing, 2020, 35, 101344.	3.0	21
56	Study of keyhole closure and analysis of microstructure and mechanical performance of weld joints for variable polarity vertical up plasma arc welding process. Science and Technology of Welding and Joining, 2006, 11, 315-325.	3.1	20
57	A new measurement of stimulated Brillouin scattering phase conjugation fidelity for high pump energies. Laser and Particle Beams, 2009, 27, 297-302.	1.0	20
58	Microstructure evolution mechanism and mechanical properties of TC11-TC17 dual alloy after annealing treatment. Journal of Alloys and Compounds, 2020, 842, 155874.	5.5	20
59	Design and evaluation of nitrogen-rich welding wires for high nitrogen stainless steel. Journal of Materials Processing Technology, 2021, 288, 116885.	6.3	20
60	Study on elimination of interlayer defects in horizontal joints made by rotating arc narrow gap welding. Science and Technology of Welding and Joining, 2009, 14, 584-588.	3.1	19
61	Arc character and droplet transfer of pulsed ultrasonic wave-assisted GMAW. International Journal of Advanced Manufacturing Technology, 2018, 95, 2219-2226.	3.0	19
62	Effect of welding speed on the material flow patterns in friction stir welding of AZ31 magnesium alloy. Rare Metals, 2007, 26, 158-162.	7.1	18
63	Soft variable polarity plasma arc horizontal welding technology and weld asymmetry. Science and Technology of Welding and Joining, 2015, 20, 297-306.	3.1	18
64	Effect of ultrasonic pattern on weld appearance and droplet transfer in ultrasonic assisted MIG welding process. Journal of Manufacturing Processes, 2018, 35, 368-372.	5.9	18
65	Optimization of shielding gas composition in high nitrogen stainless steel gas metal arc welding. Journal of Manufacturing Processes, 2020, 58, 19-29.	5.9	18
66	Microhardness prediction in friction stir welding of 2014 aluminium alloy. Science and Technology of Welding and Joining, 2006, 11, 178-182.	3.1	17
67	Keyhole welding of AA2219 aluminum alloy with double-pulsed variable polarity gas tungsten arc welding. Journal of Manufacturing Processes, 2018, 34, 179-186.	5.9	17
68	Enhanced wetting behavior using femtosecond laser-textured surface in laser welding-brazing of Ti/Al butt joint. Optics and Laser Technology, 2021, 142, 107212.	4.6	17
69	Effects of trace Sn and Cr addition on microstructure and mechanical properties of TC17 titanium alloy repaired by wire arc additive manufacturing. Journal of Alloys and Compounds, 2021, 888, 161473.	5.5	17
70	Influence of Ni interlayer width on interfacial reactions and mechanical properties in laser welding/brazing of Al/Mg lap joint. Science and Technology of Welding and Joining, 2020, 25, 37-44.	3.1	16
71	Microstructure and mechanical properties of wire arc additive repairing Tiâ€“5Alâ€“2Snâ€“2Zrâ€“4Moâ€“4Cr titanium alloy. Materials Science and Technology, 2020, 36, 1712-1719.	1.6	16
72	Gas metal arc welding of high nitrogen stainless steel with Arâ€“N2-O2 ternary shielding gas. Defence Technology, 2021, 17, 923-931.	4.2	16

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73	Effect of pulse frequency on droplet transfer and weld formation in local dry underwater welding. Journal of Manufacturing Processes, 2021, 68, 1726-1734.	5.9	16
74	Temperature simulation of the preheating period in friction stir welding based on the finite element method. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2006, 220, 1097-1106.	2.4	15
75	Laser induced arc dynamics destabilization in laser-arc hybrid welding. Journal Physics D: Applied Physics, 2020, 53, 075202.	2.8	15
76	Prediction of Radial Distribution Function of Particles in a Gasâ^'Solid Fluidized Bed Using Discrete Hard-Sphere Model. Industrial & Engineering Chemistry Research, 2009, 48, 1343-1352.	3.7	14
77	Effects of post-deposition heat treatment on microstructures of GTA-additive manufactured 2219-Al. Science and Technology of Welding and Joining, 2019, 24, 474-483.	3.1	14
78	Influence of low-pulsed frequency on arc profile and weld formation characteristics in double-pulsed VPTIG welding of aluminium alloys. Journal of Manufacturing Processes, 2020, 58, 1211-1220.	5.9	14
79	Laser welding-brazing under temporal and spatial power modulation for dissimilar materials AA6061 to Ti6Al4V joints. Manufacturing Letters, 2021, 29, 70-73.	2.2	14
80	NUMERICAL SIMULATION OF 2014 ALUMINIUM ALLOY FRICTION STIR WELDING PROCESS. Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering, 2006, 42, 92.	0.5	14
81	Flux modification for AC-TIG braze welding of aluminium to stainless steel. Science and Technology of Welding and Joining, 2014, 19, 527-533.	3.1	13
82	Integral and layered mechanical properties of friction stir welded joints of 2014 aluminium alloy. Materials Science and Technology, 2006, 22, 995-998.	1.6	12
83	Strength Prediction of Aluminumâ€“Stainless Steel-Pulsed TIG Weldingâ€“Brazing Joints with RSM and ANN. Acta Metallurgica Sinica (English Letters), 2014, 27, 1012-1017.	2.9	12
84	Effects of shielding gas composition on arc characteristics and droplet transfer in tandem narrow gap GMA welding. Science and Technology of Welding and Joining, 2017, 22, 446-453.	3.1	12
85	Stereo analysis on the keyhole and weld pool behaviors in K-PAW with triple CCD cameras. Journal of Manufacturing Processes, 2018, 32, 754-762.	5.9	12
86	Ultrasonic extraction followed by sulfuric acid silica gel cleanup for the determination of ?-hexachlorocyclohexane enantiomers in biota samples. Analytical and Bioanalytical Chemistry, 2005, 381, 1248-1252.	3.7	11
87	Effect of Ultrasonic Impact on the Microstructure of Welded Joint of 2195 Alâ€“Li Alloy. Acta Metallurgica Sinica (English Letters), 2016, 29, 367-372.	2.9	11
88	Effect of long-term aging on the microstructure and mechanical properties of T23 steel weld metal without post-weld heat treatment. Journal of Materials Processing Technology, 2018, 252, 618-627.	6.3	11
89	Influence of helium content on a ternary-gas-shielded GMAW process. Welding in the World, Le Soudage Dans Le Monde, 2018, 62, 973-984.	2.5	11
90	A new discovery of arc shape in pulsed ultrasonic wave assisted TIG welding. Physics of Plasmas, 2018, 25, 080703.	1.9	11

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91	Numerical simulation of arc characteristics in narrow gap TIG welding. International Journal of Mechanical Sciences, 2019, 161-162, 105031.	6.7	11
92	Heat Source Characteristics of Ternary-Gas-Shielded Tandem Narrow-Gap GMAW. Materials, 2019, 12, 1397.	2.9	11
93	Characteristics of Periodic Ultrasonic Assisted TIG Welding for 2219 Aluminum Alloys. Materials, 2019, 12, 4081.	2.9	11
94	Effect of pulse current on microstructure and mechanical properties of variable polarity arc weld bead of 2219-T6 aluminium alloy. Materials Science and Technology, 2009, 25, 739-742.	1.6	10
95	Optimization of shielding gas composition in narrow gap GMA welding based on response surface methodology. International Journal of Advanced Manufacturing Technology, 2018, 95, 2405-2412.	3.0	10
96	The Effect of Martensitic Phase Transformation Dilation on Microstructure, Strainâ€“Stress and Mechanical Properties for Welding of High-Strength Steel. Crystals, 2018, 8, 293.	2.2	10
97	The effects of double groove type on the backing weld penetration in swing arc vertical-up MAG welding. Welding in the World, Le Soudage Dans Le Monde, 2019, 63, 1133-1143.	2.5	10
98	Ultrasonic irradiation induced the microstructure refinement and texture evolution of Tiâ€“6Alâ€“4V TIG weld seam. Science and Technology of Welding and Joining, 2020, 25, 20-27.	3.1	10
99	Droplet transfer and weld formation of MIG welding with Ar-He alternating gas for aluminum alloy. Journal of Manufacturing Processes, 2020, 49, 94-101.	5.9	10
100	Effects of interlayer temperature on the microstructures of wire arc additive manufactured Al-Zn-Mg-Cu alloy: Insights into texture responses and dynamic precipitation behaviors. Additive Manufacturing, 2021, 48, 102453.	3.0	10
101	Gas tungsten arc welding of network structured titanium matrix composite. Science and Technology of Welding and Joining, 2018, 23, 357-364.	3.1	9
102	In situ observation and electron backscattered diffraction analysis of granular bainite in simulated heat-affected zone of high-strength low-alloy steel. Science and Technology of Welding and Joining, 2018, 23, 158-163.	3.1	9
103	Feasibility analysis of pulsed ultrasonic for controlling the GMAW process and weld appearance. International Journal of Advanced Manufacturing Technology, 2018, 97, 3619-3624.	3.0	9
104	Microstructures and mechanical properties of wire arc additive manufactured 5183-Al: Influences of deposition dimensions. CIRP Journal of Manufacturing Science and Technology, 2021, 35, 744-752.	4.5	9
105	Characteristic of Arc Pressure in Ultrasonic-TIG Hybrid Welding. Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering, 2011, 47, 53.	0.5	9
106	Effect of diameter and content of zirconium dioxide on the microstructure and mechanical properties of the TC17 titanium alloy repaired by wire arc additive manufacture. Journal of Alloys and Compounds, 2022, 893, 162295.	5.5	9
107	Microstructure and mechanical properties of simulated unaltered coarse grained heat affected zones of 10CrNi3MoV steel by double-sided double arc welding. Journal of Materials Processing Technology, 2018, 251, 225-231.	6.3	8
108	Digitalized automated welding systems for weld quality predictions and reliability. Procedia Manufacturing, 2019, 38, 133-141.	1.9	8

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109	Influence of pulsed ultrasound on short transfer behaviors in gas metal arc welding. Journal of Materials Processing Technology, 2019, 267, 376-383.	6.3	8
110	Microstructure Evolutions and Properties of Alâ€“Cu Alloy Joint in the Pulsed Power Ultrasonic-Assisted GMAW. Acta Metallurgica Sinica (English Letters), 2020, 33, 1397-1406.	2.9	8
111	Horizontal welding of aluminium alloys by soft plasma arc. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2014, 228, 1481-1490.	2.4	7
112	Microstructure and Corrosion Behavior of Friction Stir Welded Al Alloy Coated by In Situ Shot-Peening-Assisted Cold Spray. Acta Metallurgica Sinica (English Letters), 2020, 33, 172-182.	2.9	7
113	Microstructures of the pulsed laser welded TiZrBeCuMo composite amorphous alloy joint. Optics and Lasers in Engineering, 2020, 134, 106262.	3.8	7
114	Experimental Investigation on Acoustic Control Droplet Transfer in Ultrasonic-Wave-Assisted Gas Metal Arc Welding. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2018, 49, 274-281.	2.1	7
115	Thermal cycles and its effect on HAZ microstructure and mechanical properties of 10CrNi3MoV steel in double-sided double arc welding. International Journal of Advanced Manufacturing Technology, 2017, 93, 967-974.	3.0	6
116	Numerical analysis of arc physical properties in narrow gap TIG welding. International Journal of Advanced Manufacturing Technology, 2020, 106, 5509-5517.	3.0	6
117	Numerical Analysis of Physical Characteristics and Heat Transfer Decoupling Behavior in Bypass Coupling Variable Polarity Plasma Arc. Materials, 2022, 15, 3174.	2.9	6
118	Modeling of friction stir welding process for tools design. Frontiers of Materials Science, 2011, 5, 236-245.	2.2	5
119	Thermal processes, microstructure, and mechanical properties near weld toe in double-sided double gas tungsten arc backing welding joint of 10CrNi3MoV steel. International Journal of Advanced Manufacturing Technology, 2018, 96, 677-684.	3.0	5
120	Microstructure and Mechanical Properties of Laser Welded Al-Si Coated Hot-Press-Forming Steel Joints. Materials, 2019, 12, 3294.	2.9	5
121	Effects of ultrasonic energy on short-circuiting transfer process in PU-GMA welding. Materials and Manufacturing Processes, 2019, 34, 1225-1231.	4.7	5
122	Numerical simulation on the nonaxisymmetry arc characteristics in narrow gap TIG welding: responses to welding parameters. International Journal of Advanced Manufacturing Technology, 2021, 114, 2229-2242.	3.0	5
123	Grain morphology evolution mechanism of titanium alloy by the combination of pulsed arc and solution element during wire arc additive manufacturing. Journal of Alloys and Compounds, 2021, 888, 161641.	5.5	4
124	GTA Weld Brazing a Joint of Aluminum to Stainless Steel. Welding Journal, 2019, 98, 365s-378s.	1.7	4
125	Model for Multi-beads Overlapping Calculation in GTA-additive Manufacturing. Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering, 2016, 52, 97.	0.5	4
126	Characteristics of acoustic-controlled arc in ultrasonic wave-assisted arc. Wuli Xuebao/Acta Physica Sinica, 2015, 64, 095201.	0.5	4

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127	In Situ Observation of Microstructural and Inclusions Evolution in High-Strength Steel Deposited Metals with Various Rare Earth Pr Contents. Materials, 2022, 15, 1257.	2.9	4
128	Effect of arc distance on HAZ thermal cycles and microstructural evolution 10CrNi3MoV steel. International Journal of Advanced Manufacturing Technology, 2017, 90, 3387-3395.	3.0	3
129	Numerical Analysis on Stress Evolution During GTA-Additive Manufacturing of Thin-Walled Aluminum Alloys. Journal of Physics: Conference Series, 2018, 1063, 012083.	0.4	3
130	Microstructure homogenization of 2A14 aluminum alloy weld seam by ultrasonic irradiation in metal inert gas welding. International Journal of Advanced Manufacturing Technology, 2020, 108, 1085-1089.	3.0	3
131	Comprehensive Effect of Arc and Ultrasonic Energy on MIG Arc Ultrasonic Welding. Materials, 2021, 14, 4884.	2.9	3
132	Characteristics of Arc and Metal Transfer in Pulsed Ultrasonic-Assisted GMAW. Welding Journal, 2020, 99, 203s-208s.	1.7	3
133	The Properties and Residual Stress of Argon arc Cladding Metal by Low Temperature Martensitic Transformation Powder. Journal of Surface Investigation, 2017, 11, 1329-1337.	0.5	2
134	Molten Pool Behaviors in Double-Sided Pulsed GMAW of T-Joint: A Numerical Study. Metals, 2021, 11, 1594.	2.3	2
135	Research on Novel Soft Variable Polarity Plasma Arc Welding Technology for Aluminum Alloys in Horizontal Position. Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering, 2015, 51, 75.	0.5	2
136	Keyhole TIG welding of 3-mm-thick 10MnNiCr steel plates. Welding in the World, Le Soudage Dans Le Monde, 0, , .	2.5	2
137	TIG welding-brazing joints of aluminum-stainless steel with different thickness of base metals. Metallurgical Research and Technology, 2019, 116, 404.	0.7	1
138	Research on Ultrasonic Characteristics during Ultrasonic Assisted MIG Welding. Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering, 2016, 52, 19.	0.5	1
139	Research on New Heat Source Model of Variable Polarity Plasma Arc and Welding Forming in Horizontal Position. Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering, 2017, 53, 156.	0.5	1
140	Effects of thermal undercooling and thermal cycles on the grain and microstructure evolution of TC17 titanium alloy repaired by wire arc additive manufacturing. International Journal of Advanced Manufacturing Technology, 2023, 124, 3161-3169.	3.0	1
141	Effects of Trace Boron Addition and Different Arc Types on Microstructure and Mechanical Properties of TC11/TC17 Dual Alloy Fabricated by Wire Arc Additive Manufacturing. Advanced Engineering Materials, 0, , 2200126.	3.5	1
142	Study on the arc behaviors under the condition of argon and helium supply alternately. Modern Physics Letters B, 2018, 32, 1850318.	1.9	0
143	Adaptive Welding of S960QC UHSS for Arctic Structural Applications. International Review of Mechanical Engineering, 2018, 12, 371.	0.2	0