

Sanbao Lin

List of Publications by Year in descending order

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143
papers

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172457

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docs citations

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1698
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of thermal undercooling and thermal cycles on the grain and microstructure evolution of TC17 titanium alloy repaired by wire arc additive manufacturing. <i>International Journal of Advanced Manufacturing Technology</i> , 2023, 124, 3161-3169.	3.0	1
2	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. <i>Journal of Alloys and Compounds</i> , 2022, 893, 162295.	5.5	9
3	In Situ Observation of Microstructural and Inclusions Evolution in High-Strength Steel Deposited Metals with Various Rare Earth Pr Contents. <i>Materials</i> , 2022, 15, 1257.	2.9	4
4	Numerical Analysis of Physical Characteristics and Heat Transfer Decoupling Behavior in Bypass Coupling Variable Polarity Plasma Arc. <i>Materials</i> , 2022, 15, 3174.	2.9	6
5	Gas metal arc welding of high nitrogen stainless steel with N ₂ -O ₂ ternary shielding gas. <i>Defence Technology</i> , 2021, 17, 923-931.	4.2	16
6	Design and evaluation of nitrogen-rich welding wires for high nitrogen stainless steel. <i>Journal of Materials Processing Technology</i> , 2021, 288, 116885.	6.3	20
7	Grain refinement of wire arc additive manufactured titanium alloy by the combined method of boron addition and low frequency pulse arc. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 805, 140557.	5.6	29
8	Numerical simulation on the nonaxisymmetry arc characteristics in narrow gap TIG welding: responses to welding parameters. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 114, 2229-2242.	3.0	5
9	Ultrasonic induces grain refinement in gas tungsten arc cladding AlCoCrFeNi high-entropy alloy coatings. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 821, 141607.	5.6	29
10	Effect of high Fe content on the microstructure, mechanical and corrosion properties of AlCoCrFeNi high-entropy alloy coatings prepared by gas tungsten arc cladding. <i>Surface and Coatings Technology</i> , 2021, 418, 127242.	4.8	30
11	Ultrasonic suppression of element segregation in gas tungsten arc cladding AlCoCuFeNi high-entropy alloy coatings. <i>Surface and Coatings Technology</i> , 2021, 420, 127364.	4.8	25
12	Laser welding-brazing under temporal and spatial power modulation for dissimilar materials AA6061 to Ti6Al4V joints. <i>Manufacturing Letters</i> , 2021, 29, 70-73.	2.2	14
13	Effect of pulse frequency on droplet transfer and weld formation in local dry underwater welding. <i>Journal of Manufacturing Processes</i> , 2021, 68, 1726-1734.	5.9	16
14	Comprehensive Effect of Arc and Ultrasonic Energy on MIG Arc Ultrasonic Welding. <i>Materials</i> , 2021, 14, 4884.	2.9	3
15	Enhanced wetting behavior using femtosecond laser-textured surface in laser welding-brazing of Ti/Al butt joint. <i>Optics and Laser Technology</i> , 2021, 142, 107212.	4.6	17
16	Microstructures and mechanical properties of wire arc additive manufactured 5183-Al: Influences of deposition dimensions. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2021, 35, 744-752.	4.5	9
17	Effects of trace Sn and Cr addition on microstructure and mechanical properties of TC17 titanium alloy repaired by wire arc additive manufacturing. <i>Journal of Alloys and Compounds</i> , 2021, 888, 161473.	5.5	17
18	Grain morphology evolution mechanism of titanium alloy by the combination of pulsed arc and solution element during wire arc additive manufacturing. <i>Journal of Alloys and Compounds</i> , 2021, 888, 161641.	5.5	4

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19	Molten Pool Behaviors in Double-Sided Pulsed GMAW of T-Joint: A Numerical Study. <i>Metals</i> , 2021, 11, 1594.	2.3	2
20	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. <i>Additive Manufacturing</i> , 2021, 48, 102453.	3.0	10
21	Influence of Ni interlayer width on interfacial reactions and mechanical properties in laser welding/brazing of Al/Mg lap joint. <i>Science and Technology of Welding and Joining</i> , 2020, 25, 37-44.	3.1	16
22	Ultrasonic irradiation induced the microstructure refinement and texture evolution of Ti-6Al-4V TIG weld seam. <i>Science and Technology of Welding and Joining</i> , 2020, 25, 20-27.	3.1	10
23	Microstructure and mechanical properties of Q235 steel welded joint in pulsed and un-pulsed ultrasonic assisted gas tungsten arc welding. <i>Journal of Materials Processing Technology</i> , 2020, 275, 116335.	6.3	25
24	Comparison of microstructure, mechanical properties, and corrosion behavior of Gas Metal Arc (GMA) and Ultrasonic-wave-assisted GMA (U-GMA) welded joints of Al-Zn-Mg alloy. <i>Journal of Materials Processing Technology</i> , 2020, 277, 116470.	6.3	22
25	Microstructure homogenization of 2A14 aluminum alloy weld seam by ultrasonic irradiation in metal inert gas welding. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 108, 1085-1089.	3.0	3
26	Laser induced arc dynamics destabilization in laser-arc hybrid welding. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 075202.	2.8	15
27	Optimization of the microstructure and mechanical properties of the high nitrogen stainless steel weld by adding nitrides to the molten pool. <i>Journal of Manufacturing Processes</i> , 2020, 49, 355-364.	5.9	27
28	Droplet transfer and weld formation of MIG welding with Ar-He alternating gas for aluminum alloy. <i>Journal of Manufacturing Processes</i> , 2020, 49, 94-101.	5.9	10
29	Microstructure and Corrosion Behavior of Friction Stir Welded Al Alloy Coated by In Situ Shot-Peening-Assisted Cold Spray. <i>Acta Metallurgica Sinica (English Letters)</i> , 2020, 33, 172-182.	2.9	7
30	Microstructure and mechanical properties of wire arc additive repairing Ti-5Al-2Sn-2Zr-4Mo-4Cr titanium alloy. <i>Materials Science and Technology</i> , 2020, 36, 1712-1719.	1.6	16
31	Microstructure evolution mechanism and mechanical properties of TC11-TC17 dual alloy after annealing treatment. <i>Journal of Alloys and Compounds</i> , 2020, 842, 155874.	5.5	20
32	Microstructure Evolutions and Properties of Al-Cu Alloy Joint in the Pulsed Power Ultrasonic-Assisted GMAW. <i>Acta Metallurgica Sinica (English Letters)</i> , 2020, 33, 1397-1406.	2.9	8
33	Optimization of shielding gas composition in high nitrogen stainless steel gas metal arc welding. <i>Journal of Manufacturing Processes</i> , 2020, 58, 19-29.	5.9	18
34	Influence of low-pulsed frequency on arc profile and weld formation characteristics in double-pulsed VPTIG welding of aluminium alloys. <i>Journal of Manufacturing Processes</i> , 2020, 58, 1211-1220.	5.9	14
35	Microstructure and tensile properties of Ti/Al dissimilar joint by laser welding-brazing at subatmospheric pressure. <i>Journal of Manufacturing Processes</i> , 2020, 56, 19-27.	5.9	35
36	Microstructures of the pulsed laser welded TiZrBeCuMo composite amorphous alloy joint. <i>Optics and Lasers in Engineering</i> , 2020, 134, 106262.	3.8	7

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37	Grain refinement of additive manufactured Ti-6.5Al-3.5Mo-1.5Zr-0.3Si titanium alloy by the addition of La ₂ O ₃ . <i>Materials Letters</i> , 2020, 275, 128170.	2.6	31
38	Wire arc additive manufacturing of Al-Zn-Mg-Cu alloy: Microstructures and mechanical properties. <i>Additive Manufacturing</i> , 2020, 36, 101447.	3.0	44
39	Transformation-enhanced strength and ductility in a FeCoCrNiMn dual phase high-entropy alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 780, 139182.	5.6	48
40	Numerical analysis of arc physical properties in narrow gap TIG welding. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 106, 5509-5517.	3.0	6
41	Microstructures and mechanical properties of stainless steel clad plate joint with diverse filler metals. <i>Journal of Materials Research and Technology</i> , 2020, 9, 2522-2534.	5.8	24
42	Wire arc additive manufacturing of titanium aluminide alloys using two-wire TOP-TIG welding: Processing, microstructures, and mechanical properties. <i>Additive Manufacturing</i> , 2020, 35, 101344.	3.0	21
43	Characteristics of Arc and Metal Transfer in Pulsed Ultrasonic-Assisted GMAW. <i>Welding Journal</i> , 2020, 99, 203s-208s.	1.7	3
44	Interfacial characteristics of Ti/Al joint by vaporizing foil actuator welding. <i>Journal of Materials Processing Technology</i> , 2019, 263, 73-81.	6.3	25
45	Numerical simulation of arc characteristics in narrow gap TIG welding. <i>International Journal of Mechanical Sciences</i> , 2019, 161-162, 105031.	6.7	11
46	Microstructure and Mechanical Properties of Laser Welded Al-Si Coated Hot-Press-Forming Steel Joints. <i>Materials</i> , 2019, 12, 3294.	2.9	5
47	Investigation of formation and microstructure of Ti-6Al-4V weld bead during pulse ultrasound assisted TIG welding. <i>Journal of Manufacturing Processes</i> , 2019, 46, 241-247.	5.9	33
48	Arc characteristics and weld appearance in pulsed ultrasonic assisted GTAW process. <i>Results in Physics</i> , 2019, 15, 102692.	4.1	22
49	Effects of ultrasonic energy on short-circuiting transfer process in PU-GMA welding. <i>Materials and Manufacturing Processes</i> , 2019, 34, 1225-1231.	4.7	5
50	TIG welding-brazing joints of aluminum-stainless steel with different thickness of base metals. <i>Metallurgical Research and Technology</i> , 2019, 116, 404.	0.7	1
51	Nano-indentation and in-situ investigations of double-sided laser beam welded 2060-T8/2099-T83 Al-Li alloys T-joints. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 756, 291-301.	5.6	29
52	Heat Source Characteristics of Ternary-Gas-Shielded Tandem Narrow-Gap GMAW. <i>Materials</i> , 2019, 12, 1397.	2.9	11
53	Analysis of droplet transfer, weld formation and microstructure in Al-Cu alloy bead welding joint with pulsed ultrasonic-GMAW method. <i>Journal of Materials Processing Technology</i> , 2019, 271, 144-151.	6.3	36
54	The effects of double groove type on the backing weld penetration in swing arc vertical-up MAG welding. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2019, 63, 1133-1143.	2.5	10

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55	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
56	Digitalized automated welding systems for weld quality predictions and reliability. Procedia Manufacturing, 2019, 38, 133-141.	1.9	8
57	Effect of Laser Beam Oscillation on Laser Welding—Brazing of Ti/Al Dissimilar Metals. Materials, 2019, 12, 4165.	2.9	21
58	Characteristics of Periodic Ultrasonic Assisted TIG Welding for 2219 Aluminum Alloys. Materials, 2019, 12, 4081.	2.9	11
59	Pulsed TIG Welding—Brazing of Aluminum—Stainless Steel with an Al-Cu Twin Hot Wire. Journal of Materials Engineering and Performance, 2019, 28, 1180-1189.	2.5	21
60	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
61	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
62	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
63	GTA Weld Brazing a Joint of Aluminum to Stainless Steel. Welding Journal, 2019, 98, 365s-378s.	1.7	4
64	Arc character and droplet transfer of pulsed ultrasonic wave-assisted GMAW. International Journal of Advanced Manufacturing Technology, 2018, 95, 2219-2226.	3.0	19
65	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
66	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
67	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
68	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
69	Gas tungsten arc welding of network structured titanium matrix composite. Science and Technology of Welding and Joining, 2018, 23, 357-364.	3.1	9
70	<i>In situ</i> 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
71	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
72	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

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73	The Effect of Martensitic Phase Transformation Dilation on Microstructure, Strain Stress and Mechanical Properties for Welding of High-Strength Steel. Crystals, 2018, 8, 293.	2.2	10
74	Study on the arc behaviors under the condition of argon and helium supply alternately. Modern Physics Letters B, 2018, 32, 1850318.	1.9	0
75	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
76	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
77	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
78	A new discovery of arc shape in pulsed ultrasonic wave assisted TIG welding. Physics of Plasmas, 2018, 25, 080703.	1.9	11
79	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
80	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
81	Adaptive Welding of S960QC UHSS for Arctic Structural Applications. International Review of Mechanical Engineering, 2018, 12, 371.	0.2	0
82	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
83	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
84	Grain fragmentation in ultrasonic-assisted TIG weld of pure aluminum. Ultrasonics Sonochemistry, 2017, 39, 403-413.	8.2	61
85	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
86	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
87	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
88	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
89	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
90	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

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91	Study on Pores in Ultrasonic-Assisted TIG Weld of Aluminum Alloy. <i>Metals</i> , 2017, 7, 53.	2.3	31
92	Research on New Heat Source Model of Variable Polarity Plasma Arc and Welding Forming in Horizontal Position. <i>Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering</i> , 2017, 53, 156.	0.5	1
93	Effect of Ultrasonic Impact on the Microstructure of Welded Joint of 2195 Al-Li Alloy. <i>Acta Metallurgica Sinica (English Letters)</i> , 2016, 29, 367-372.	2.9	11
94	Effects of thermal cycles on microstructure evolution of 2219-Al during GTA-additive manufacturing. <i>International Journal of Advanced Manufacturing Technology</i> , 2016, 87, 2615-2623.	3.0	54
95	Interfacial microstructures and mechanical property of vaporizing foil actuator welding of aluminum alloy to steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 659, 12-21.	5.6	42
96	Molten pool behaviors and weld forming characteristics of all-position tandem narrow gap GMAW. <i>International Journal of Advanced Manufacturing Technology</i> , 2016, 87, 2437-2444.	3.0	25
97	Effect of Ultrasound on Heterogeneous Nucleation in TIG Welding of Al-Li Alloy. <i>Acta Metallurgica Sinica (English Letters)</i> , 2016, 29, 1081-1088.	2.9	24
98	Mechanical properties of 2219-Al components produced by additive manufacturing with TIG. <i>International Journal of Advanced Manufacturing Technology</i> , 2016, 86, 479-485.	3.0	80
99	Molten pool behaviour and weld forming mechanism of tandem narrow gap vertical GMAW. <i>Science and Technology of Welding and Joining</i> , 2016, 21, 124-130.	3.1	21
100	Effect of acoustic field parameters on arc acoustic binding during ultrasonic wave-assisted arc welding. <i>Ultrasonics Sonochemistry</i> , 2016, 29, 476-484.	8.2	36
101	Research on Ultrasonic Characteristics during Ultrasonic Assisted MIG Welding. <i>Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering</i> , 2016, 52, 19.	0.5	1
102	Model for Multi-beads Overlapping Calculation in GTA-additive Manufacturing. <i>Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering</i> , 2016, 52, 97.	0.5	4
103	Prediction and optimization of weld bead geometry in oscillating arc narrow gap all-position GMA welding. <i>International Journal of Advanced Manufacturing Technology</i> , 2015, 79, 183-196.	3.0	63
104	Soft variable polarity plasma arc horizontal welding technology and weld asymmetry. <i>Science and Technology of Welding and Joining</i> , 2015, 20, 297-306.	3.1	18
105	Influence of processing parameters on the characteristics of stainless steel/copper laser welding. <i>Journal of Materials Processing Technology</i> , 2015, 222, 43-51.	6.3	141
106	Research on Novel Soft Variable Polarity Plasma Arc Welding Technology for Aluminum Alloys in Horizontal Position. <i>Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering</i> , 2015, 51, 75.	0.5	2
107	Characteristics of acoustic-controlled arc in ultrasonic wave-assisted arc. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2015, 64, 095201.	0.5	4
108	Strength Prediction of Aluminum-Stainless Steel-Pulsed TIG Welding-Brazing Joints with RSM and ANN. <i>Acta Metallurgica Sinica (English Letters)</i> , 2014, 27, 1012-1017.	2.9	12

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109	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
110	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
111	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
112	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
113	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
114	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
115	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
116	Modeling of friction stir welding process for tools design. Frontiers of Materials Science, 2011, 5, 236-245.	2.2	5
117	Characteristic of Arc Pressure in Ultrasonic-TIG Hybrid Welding. Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering, 2011, 47, 53.	0.5	9
118	Brazability of dissimilar metals tungsten inert gas butt welding—brazing between aluminum alloy and stainless steel with Al—Cu filler metal. Materials & Design, 2010, 31, 2637-2642.	5.1	110
119	Analysis of intermetallic layer in dissimilar TIG welding—brazing butt joint of aluminium alloy to stainless steel. Science and Technology of Welding and Joining, 2010, 15, 213-218.	3.1	71
120	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
121	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
122	Metallurgical and mechanical investigations of aluminium-steel butt joint made by tungsten inert gas welding—brazing. Science and Technology of Welding and Joining, 2009, 14, 636-639.	3.1	37
123	Application of rotating arc system to horizontal narrow gap welding. Science and Technology of Welding and Joining, 2009, 14, 172-177.	3.1	49
124	Metal transfer characteristics of rotating arc narrow gap horizontal GMAW. Science and Technology of Welding and Joining, 2009, 14, 760-764.	3.1	31
125	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
126	Dissimilar metals TIG welding-brazing of aluminum alloy to galvanized steel. Frontiers of Materials Science in China, 2009, 3, 78-83.	0.5	37

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127	Effect of pulse current on microstructure and mechanical properties of variable polarity arc weld bead of 2219-T6 aluminium alloy. <i>Materials Science and Technology</i> , 2009, 25, 739-742.	1.6	10
128	Prediction of Radial Distribution Function of Particles in a Gas-Solid Fluidized Bed Using Discrete Hard-Sphere Model. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 1343-1352.	3.7	14
129	Effects of Si additions on intermetallic compound layer of aluminum-steel TIG welding-brazing joint. <i>Journal of Alloys and Compounds</i> , 2009, 488, 217-222.	5.5	193
130	Spreading behavior and microstructure characteristics of dissimilar metals TIG welding-brazing of aluminum alloy to stainless steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009, 509, 31-40.	5.6	145
131	Effect of welding speed on the material flow patterns in friction stir welding of AZ31 magnesium alloy. <i>Rare Metals</i> , 2007, 26, 158-162.	7.1	18
132	Influence of pin geometry on material flow in friction stir welding process. <i>Materials Science and Technology</i> , 2006, 22, 45-50.	1.6	94
133	Defects formation procedure and mathematic model for defect free friction stir welding of magnesium alloy. <i>Materials & Design</i> , 2006, 27, 805-809.	5.1	98
134	Study of keyhole closure and analysis of microstructure and mechanical performance of weld joints for variable polarity vertical up plasma arc welding process. <i>Science and Technology of Welding and Joining</i> , 2006, 11, 315-325.	3.1	20
135	Microhardness prediction in friction stir welding of 2014 aluminium alloy. <i>Science and Technology of Welding and Joining</i> , 2006, 11, 178-182.	3.1	17
136	Integral and layered mechanical properties of friction stir welded joints of 2014 aluminium alloy. <i>Materials Science and Technology</i> , 2006, 22, 995-998.	1.6	12
137	Temperature simulation of the preheating period in friction stir welding based on the finite element method. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2006, 220, 1097-1106.	2.4	15
138	NUMERICAL SIMULATION OF 2014 ALUMINIUM ALLOY FRICTION STIR WELDING PROCESS. <i>Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering</i> , 2006, 42, 92.	0.5	14
139	Ultrasonic extraction followed by sulfuric acid silica gel cleanup for the determination of α -hexachlorocyclohexane enantiomers in biota samples. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 381, 1248-1252.	3.7	11
140	Prediction of particle motion in a two-dimensional bubbling fluidized bed using discrete hard-sphere model. <i>Chemical Engineering Science</i> , 2005, 60, 3217-3231.	3.8	58
141	The influence of pin geometry on bonding and mechanical properties in friction stir weld 2014 Al alloy. <i>Materials Letters</i> , 2005, 59, 2948-2952.	2.6	164
142	Keyhole TIG welding of 3-mm-thick 10MnNiCr steel plates. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 0, , .	2.5	2
143	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. <i>Advanced Engineering Materials</i> , 0, , 2200126.	3.5	1