

Duo Liu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Fabrication of Si ₃ N ₄ /Cu direct-bonded heterogeneous interface assisted by laser irradiation. Journal of Materials Science and Technology, 2022, 99, 169-177.	10.7	12
2	Interfacial characteristics in CNTs-AgCuTi systems. Chinese Journal of Aeronautics, 2022, 35, 450-460.	5.3	3
3	Comparative Evaluation of Self-Shielded Flux-Cored Wires Designed for High Strength Low Alloy Steel in Underwater Wet Welding: Arc Stability, Slag Characteristics, and Joints' Quality. Journal of Materials Engineering and Performance, 2022, 31, 5231-5244.	2.5	6
4	Nanosecond laser-induced surface modification to strengthen Cu/Si ₃ N ₄ AMB joints. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 850, 143573.	5.6	4
5	Wetting behavior of AgCu-4.5Ti filler reinforced by carbon nanotubes on C/C composite. Chinese Journal of Aeronautics, 2021, 34, 205-213.	5.3	9
6	Joining of nanosecond laser irradiation modified-AlN and Cu. Ceramics International, 2021, 47, 27979-27986.	4.8	7
7	Nanosecond laser-induced contact reactive brazing of Si ₃ N ₄ ceramic to Al. Materials Letters, 2021, 304, 130684.	2.6	4
8	Investigation of Process Stability and Weld Quality of Underwater Wet Flux-Cored Arc Welding of Low-Alloy High-Strength Steel with Oxy-Rutile Wire. Polish Maritime Research, 2021, 28, 100-109.	1.9	5
9	Investigation of arc stability, microstructure evolution and corrosion resistance in underwater wet FCAW of duplex stainless steel. Journal of Materials Research and Technology, 2021, 15, 5482-5495.	5.8	11
10	Effect of bonding time on the microstructure and mechanical properties of graphite/Cu-bonded joints. Reviews on Advanced Materials Science, 2021, 60, 957-965.	3.3	2
11	Joining of SiO ₂ ceramic and TC4 alloy by nanoparticles modified brazing filler metal. Chinese Journal of Aeronautics, 2020, 33, 383-390.	5.3	31
12	Microstructure and mechanical properties of Cf/SiC composite/GH99 joints brazed with BNi ₂ -Ti composite filler. Journal of Manufacturing Processes, 2020, 58, 905-913.	5.9	29
13	Laser-induced metallization of porous Si ₃ N ₄ ceramic and its brazing to TiAl alloy. Journal of the American Ceramic Society, 2019, 102, 32-36.	3.8	21
14	Microstructure and mechanical properties of dissimilar welds between 16Mn and 304L in underwater wet welding. Science and Technology of Welding and Joining, 2019, 24, 1-7.	3.1	26
15	Microstructure and Mechanical Properties of a SiO ₂ Ceramic and TC4 Alloy Joint Brazed with a Nanocomposite Filler. Journal of Materials Engineering and Performance, 2019, 28, 4427-4433.	2.5	5
16	Effect of introducing carbon fiber into AgCuTi filler on interfacial microstructure and mechanical property of C/C-TC4 brazed joints. Materials Characterization, 2019, 157, 109890.	4.4	33
17	Graphene nanoplatelets reinforced AgCuTi composite filler for brazing SiC ceramic. Journal of the European Ceramic Society, 2019, 39, 696-704.	5.7	54
18	Brazing of metallized SiC ceramic to GH99 superalloy using graphene nanoplatelets reinforced AgCuTi composite filler. Ceramics International, 2019, 45, 8962-8970.	4.8	39

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19	In-situ synthesis of TiC nanoparticles during joining of SiC ceramic and GH99 superalloy. Journal of the American Ceramic Society, 2019, 102, 6529-6541.	3.8	14
20	Vacuum brazing of GH99 superalloy using graphene reinforced BNi-2 composite filler. Journal of Materials Science and Technology, 2018, 34, 1843-1850.	10.7	47
21	Effects of heat input on arc stability and weld quality in underwater wet flux-cored arc welding of E40 steel. Journal of Manufacturing Processes, 2018, 31, 833-843.	5.9	31
22	Brazing of C/C composite and Ti-6Al-4V with graphene strengthened AgCuTi filler: Effects of graphene on wettability, microstructure and mechanical properties. Chinese Journal of Aeronautics, 2018, 31, 1602-1608.	5.3	40
23	An Analysis of Microstructure and Microhardness Distribution in Underwater Wet Welding of 304L Austenitic Stainless Steel to Low Alloy Steel 16Mn. , 2018, , .		0
24	Microstructure and mechanical properties of underwater wet welded high-carbon-equivalent steel Q460 using austenitic consumables. Journal of Materials Processing Technology, 2017, 249, 149-157.	6.3	28
25	Interfacial microstructure and mechanical property of brazed copper/SiO ₂ ceramic joint. Vacuum, 2017, 141, 116-123.	3.5	29
26	Effects of Mo, Ti and B on Microstructure and Mechanical Properties of Underwater Wet Welding Joints. Journal of Materials Engineering and Performance, 2017, 26, 2350-2358.	2.5	13
27	Characterization of carbon/carbon composite/Ti6Al4V joints brazed with graphene nanosheets strengthened AgCuTi filler. Ceramics International, 2017, 43, 16600-16610.	4.8	27
28	Effect of processing parameters on the formation of Cf/LAS composites/Ag Cu Ti/TC4 brazed joint. Materials Characterization, 2016, 120, 249-256.	4.4	15
29	Effect of Ni on microstructure and mechanical properties of underwater wet welding joint. Materials & Design, 2015, 77, 25-31.	5.1	40
30	Microstructure and fracture behavior of SiO ₂ glass ceramic and TC4 alloy joint brazed with TiZrNiCu alloy. Central South University, 2009, 16, 713-718.	0.5	8