

Xinjian Yuan

List of Publications by Year in descending order

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papers

468
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341
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#	ARTICLE	IF	CITATIONS
1	Formation Mechanisms for (Cr,Co) ₇ C ₃ /(Cr,Co) ₂₃ C ₆ Heterogeneous Precipitates and Stacking Faults Around Carbides in Surfacing Welding of Stellite Alloy on Stainless Steel. <i>Metals and Materials International</i> , 2022, 28, 1639-1649.	3.4	1
2	The study of microstructure, corrosion resistance and mechanical properties of ultrasonic assisted welding-brazing of Ti-Mg. <i>Journal of Materials Research and Technology</i> , 2022, 17, 467-477.	5.8	4
3	Effect of High Energy Shot Peening on the Microstructure and Mechanical Property of AZ31B Mg Alloy/HSLA350 Steel Lap Joints. <i>International Journal of Precision Engineering and Manufacturing</i> , 2021, 22, 831-841.	2.2	2
4	Microstructure and Mechanical Characteristics of Dissimilar TIG Welded 9% Cr Heat-Resistant Steels Joints. <i>International Journal of Precision Engineering and Manufacturing</i> , 2021, 22, 1007-1019.	2.2	7
5	Effect of axial magnetic field on TIG welding-brazing of AA6061 aluminum alloy to HSLA350 steel. <i>Journal of Materials Research and Technology</i> , 2021, 12, 882-893.	5.8	23
6	Application direction of amorphous and nanocrystalline alloy materials and the evaluation of venture capital value. <i>Ferroelectrics</i> , 2021, 581, 17-31.	0.6	0
7	Improvement in Weldment of Dissimilar 9% CR Heat-Resistant Steels by Post-Weld Heat Treatment. <i>Metals</i> , 2020, 10, 1321.	2.3	1
8	Improvement of Al/Steel Tungsten Inert Gas Welding-Brazing Joint by High-Energy Shot Peening. <i>Journal of Materials Engineering and Performance</i> , 2019, 28, 2937-2945.	2.5	5
9	Effect of ultrasonic vibration on TIG welding-brazing joining of aluminum alloy to steel. <i>Journal of Materials Processing Technology</i> , 2019, 266, 230-238.	6.3	28
10	Effect of high energy shot-peening on the microstructure and mechanical properties of Al5052/Ti6Al4V lap joints. <i>Journal of Materials Processing Technology</i> , 2018, 255, 76-85.	6.3	22
11	Microstructure and mechanical properties of high-energy shot-peened Mg/Ti weldments. <i>Science and Technology of Welding and Joining</i> , 2018, 23, 28-34.	3.1	12
12	Dissimilar Resistance Spot Welding of DP 600/A5052/DP 600 Triple Sheets. <i>International Journal of Precision Engineering and Manufacturing</i> , 2018, 19, 1673-1679.	2.2	7
13	Nugget formation and its mechanism of resistance spot welded joints in DP600 dual-phase and DC54D ultralow carbon steel. <i>Metals and Materials International</i> , 2017, 23, 543-553.	3.4	7
14	Improvement of resistance-spot-welded joints for DP 600 steel and A5052 aluminum alloy with Zn slice interlayer. <i>Journal of Manufacturing Processes</i> , 2017, 30, 396-405.	5.9	49
15	Effect of high energy shot peening on the microstructure and mechanical properties of Mg/Ti joints. <i>Journal of Alloys and Compounds</i> , 2017, 695, 1383-1391.	5.5	42
16	Microstructure, mechanical properties and failure mechanisms of resistance spot welding joints between ultra high strength steel 22MnB5 and galvanized steel HSLA350. <i>International Journal of Precision Engineering and Manufacturing</i> , 2016, 17, 1659-1664.	2.2	17
17	Microstructure and mechanical properties of resistance-spot-welded joints for A5052 aluminum alloy and DP 600 steel. <i>Materials Characterization</i> , 2016, 120, 45-52.	4.4	65
18	Microstructure and mechanical property of brazed joints in titanium alloy and aluminum alloy combination with tin foil interlayer. <i>International Journal of Precision Engineering and Manufacturing</i> , 2015, 16, 1293-1297.	2.2	4

#	ARTICLE	IF	CITATIONS
19	Microstructural characteristics in vacuum TLP (Transient Liquid Phase) bonds using a novel iron-based interlayer based on duplex stainless steel base metal alloyed with a melting-point depressant. <i>Vacuum</i> , 2014, 99, 12-16.	3.5	9
20	Microstructures, Mechanical and Chemical Properties of TLP-Bonded Joints in a Duplex Stainless Steel with Amorphous Ni-Based Insert Alloys. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2012, 43, 1989-2001.	2.2	25
21	Solder Characteristics of a Rapidly Solidified Sn-9Zn-0.1Cr Alloy and Mechanical Properties of Cu/Solder/Cu Joints. <i>Journal of Electronic Materials</i> , 2012, 41, 2100-2106.	2.2	13
22	Microstructural Evolution and Bonding Behavior during Transient Liquid-Phase Bonding of a Duplex Stainless Steel using two Different Ni-B-Based Filler Materials. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2011, 42, 1310-1324.	2.2	32
23	Microstructure and XRD analysis of brazing joint for duplex stainless steel using a Ni-Cr-B filler metal. <i>Materials Characterization</i> , 2009, 60, 923-931.	4.4	58
24	Characterization of transient-liquid-phase-bonded joints in a duplex stainless steel with a Ni-Cr-B insert alloy. <i>Materials Characterization</i> , 2009, 60, 1289-1297.	4.4	35