

Hongyang Wang

List of Publications by Year in descending order

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141
citing authors

#	ARTICLE	IF	CITATIONS
1	Microstructure and Properties Analysis of Laser Welding and Laser Weld Bonding Mg to Al Joints. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2011, 42, 1044-1050.	2.2	26
2	Laser-arc hybrid welding of high-strength steel and aluminum alloy joints with brass filler. Materials and Manufacturing Processes, 2018, 33, 735-742.	4.7	20
3	The analysis of welding and riveting hybrid bonding joint of aluminum alloy and polyether-ether-ketone composites. Journal of Manufacturing Processes, 2018, 36, 301-308.	5.9	19
4	Research on Laser-TIG Hybrid Welding of 6061-T6 Aluminum Alloys Joint and Post Heat Treatment. Metals, 2020, 10, 130.	2.3	17
5	Influence of adhesive and Ni on the interface between Mg and Fe in the laser-TIG-adhesive hybrid welding joint. International Journal of Precision Engineering and Manufacturing, 2016, 17, 823-827.	2.2	13
6	Riveting-welding hybrid bonding of high-strength steel and aluminum alloy. Materials and Manufacturing Processes, 2019, 34, 1671-1680.	4.7	13
7	Effect of addition of Ce in Sn-30Zn solder on the structure and properties of the Mg/Al-brazed joint. Journal of Materials Science, 2013, 48, 2030-2037.	3.7	9
8	The Analysis on the Formation of Porosity During Pulsed Laser-Induced TIG Hybrid Welding of 6061 Aluminium Alloy at High Welding Speed. International Journal of Precision Engineering and Manufacturing, 2020, 21, 1469-1477.	2.2	9
9	Investigation of the Joining Technology of FRP/AZ31B Magnesium Alloy by Welding and Riveting Hybrid Bonding Method. Materials, 2019, 12, 2167.	2.9	7
10	Welding and Riveting Hybrid Bonding of 6061 Al and Carbon Fiber Reinforced Composites. Polymers, 2022, 14, 99.	4.5	7
11	Study on Microstructure and Properties of AZ31/6061 GTAW Butt Joints According to Mg-Cd-Al Ternary System. Journal of Materials Engineering and Performance, 2018, 27, 5879-5888.	2.5	5
12	Study on weld formation and its mechanism in laser-TIG hybrid welding with filler wire of a titanium alloy. Journal of Laser Applications, 2018, 30, 032004.	1.7	5
13	Influence of Welding Speed on Characteristics of Non-Axisymmetric Laser-Tungsten Inert Gas Hybrid Welded Mg/Al Lap Joints with Zn Filler. Materials, 2020, 13, 3789.	2.9	2
14	Welding assisted riveting hybrid bonding technology of Mg and Al. Materials and Manufacturing Processes, 2022, 37, 933-941.	4.7	2
15	Effects of different Ti content in Zn-30Al filler metals on the microstructure and mechanical properties of Mg-Al butt joints. International Journal of Precision Engineering and Manufacturing, 2015, 16, 2321-2326.	2.2	1
16	The research on laser welding-riveting hybrid bonding of titanium alloy and carbon fiber reinforced composites. Optics and Laser Technology, 2022, 155, 108405.	4.6	1