

Zhenglong Lei

List of Publications by Year in descending order

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18
papers

132
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1307594

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docs citations

18
times ranked

97
citing authors

#	ARTICLE	IF	CITATIONS
1	Online monitoring of resistance spot welding electrode wear state based on dynamic resistance. <i>Journal of Intelligent Manufacturing</i> , 2022, 33, 91-101.	7.3	7
2	Investigation of Weld Root Defects in High-Power Full-Penetration Laser Welding of High-Strength Steel. <i>Materials</i> , 2022, 15, 1095.	2.9	7
3	Monitoring of resistance spot welding expulsion based on machine learning. <i>Science and Technology of Welding and Joining</i> , 2022, 27, 292-300.	3.1	9
4	Numerical investigation of asymmetric weld fusion geometry in laser welding of aluminium alloy with beam oscillation. <i>Science and Technology of Welding and Joining</i> , 2022, 27, 595-605.	3.1	14
5	Hybrid laser cleaning characteristic of marine barnacles fouling attached on Al alloys. <i>Journal of Laser Applications</i> , 2021, 33, .	1.7	4
6	Effects of Different Types of Interlayers on the Interfacial Reaction Mechanism at the Cu Side of Al/Cu Lap Joints Obtained by Laser Welding/Brazing. <i>Materials</i> , 2021, 14, 7797.	2.9	2
7	The Microstructure and Mechanical Properties of Dual-Spot Laser Welded-Brazed Ti/Al Butt Joints with Different Groove Shapes. <i>Materials</i> , 2020, 13, 5105.	2.9	6
8	Experiment and Numerical Simulation for the Compressive Buckling Behavior of Double-Sided Laser-Welded Al-Li Alloy Aircraft Fuselage Panel. <i>Materials</i> , 2020, 13, 3599.	2.9	7
9	Inhibition Effectiveness of Laser-Cleaned Nanostructured Aluminum Alloys to Sulfate-reducing Bacteria Based on Superwetting and Ultraslippery Surfaces. <i>ACS Applied Bio Materials</i> , 2020, 3, 6131-6144.	4.6	10
10	Analysis of the influence of a new type of buccal tube base mesh design on the adhesive layer stress distribution and bond strength. <i>Journal of Adhesion Science and Technology</i> , 2020, 34, 2011-2030.	2.6	3
11	High-temperature Tensile Behavior of Laser Welded Ti-22Al-25Nb Joints at Different Temperatures. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2020, 35, 1116-1121.	1.0	3
12	A Comparative Study of Deformation Behaviors Between Laser-Welded Joints and Base Metal of Ti-22Al-24.5Nb-0.5Mo Alloy. <i>Journal of Materials Engineering and Performance</i> , 2019, 28, 5009-5020.	2.5	6
13	Microstructure and Mechanical Properties of Laser Welded Al-Si Coated Hot-Press-Forming Steel Joints. <i>Materials</i> , 2019, 12, 3294.	2.9	5
14	Effect of Laser Beam Oscillation on Laser Welding-Brazing of Ti/Al Dissimilar Metals. <i>Materials</i> , 2019, 12, 4165.	2.9	21
15	Microstructure and tensile properties of laser welded dissimilar Ti-22Al-27Nb and TA15 joints. <i>International Journal of Advanced Manufacturing Technology</i> , 2016, 87, 1685-1692.	3.0	11
16	Improvement of Weld Characteristics by Laser-Arc Double-Sided Welding Compared to Single Arc Welding. <i>Journal of Materials Engineering and Performance</i> , 2015, 24, 4518-4526.	2.5	6
17	Microstructure Evolution and Tensile Properties of Laser-TIG Hybrid Welds of Ti2AlNb-Based Titanium Aluminide. <i>Journal of Materials Engineering and Performance</i> , 2014, 23, 3778-3785.	2.5	11
18	Study on welding characteristics of combining laser welding and resistance seam welding joined Ti-6Al-4V lap joints. , 2008, , .		0