Zhenglong Lei

List of Publications by Year
in descending order

18 papers	132 citations	1307594 7 h-index	1281871 11 g-index
18 all docs	18 docs citations	18 times ranked	97 citing authors

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