

# Kun Liu

## List of Publications by Year in descending order

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17  
papers

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#	ARTICLE	IF	CITATIONS
1	Investigation on cored-eutectic structure in Ni60/WC composite coatings fabricated by wide-band laser cladding. <i>Journal of Alloys and Compounds</i> , 2015, 645, 151-157.	5.5	72
2	Effect of high dilution on the in situ synthesis of Niâ€“Zr/Zrâ€“Si(B, C) reinforced composite coating on zirconium alloy substrate by laser cladding. <i>Materials and Design</i> , 2015, 87, 66-74.	7.0	49
3	In-situ reactive fabrication and effect of phosphorus on microstructure evolution of Ni/Niâ€“Al intermetallic composite coating by laser cladding. <i>Materials and Design</i> , 2016, 105, 171-178.	7.0	42
4	Susceptibility of magnesium alloys to solidification cracking. <i>Science and Technology of Welding and Joining</i> , 2020, 25, 251-257.	3.1	37
5	Microstructural evolution and properties of TLP diffusion bonding super-Ni/NiCr laminated composite to Ti-6Al-4V alloy with Cu interlayer. <i>Materials and Design</i> , 2017, 135, 184-196.	7.0	28
6	In-situ synthesized Niâ€“Zr intermetallic/ceramic reinforced composite coatings on zirconium substrate by high power diode laser. <i>Journal of Alloys and Compounds</i> , 2015, 624, 234-240.	5.5	24
7	Homogenization of Carbides in Ni60/WC Composite Coatings Made by Fiber Laser Remelting. <i>Materials and Manufacturing Processes</i> , 2015, 30, 1417-1424.	4.7	22
8	Improving the Interfacial Microstructure Evolution of Ti/Stainless Steel GTA Welding Joint by Employing Cu Filler Metal. <i>Materials and Manufacturing Processes</i> , 2016, 31, 2165-2173.	4.7	22
9	Vacuum diffusion bonding TC4 to Ni80Cr20: Interfacial microstructure, segregation, cracking and properties. <i>Vacuum</i> , 2018, 158, 218-222.	3.5	20
10	Interfacial Microstructural Characterization of Ti/Al Joints by Gas Tungsten Arc Welding. <i>Materials and Manufacturing Processes</i> , 2014, 29, 969-974.	4.7	16
11	Use of Weldingâ€“Brazing Technology on Microstructural Development of Titanium/Aluminum Dissimilar Joints. <i>Materials and Manufacturing Processes</i> , 2014, 29, 961-968.	4.7	15
12	Influence of Welding Heat Input on Microstructure of Ti/Al Joint During Pulsed Gas Metal Arc Welding. <i>Materials and Manufacturing Processes</i> , 2014, 29, 954-960.	4.7	15
13	Microstructure and Low-Temperature Mechanical Properties of 304 Stainless Steel Joints by PAW+GTAW Combined Welding. <i>Journal of Materials Engineering and Performance</i> , 2016, 25, 4561-4573.	2.5	15
14	Formation of Brittle Phases During Pulsed Current Gas Tungsten Arc Welding of Titanium to Aluminum Alloys. <i>Journal of Materials Engineering and Performance</i> , 2014, 23, 1451-1457.	2.5	12
15	Effect of bonding time on interfacial microstructure and shear strength of vacuum diffusion bonding super-Ni/NiCr laminated composite to Ti-6Al-4V joint without interlayer. <i>Vacuum</i> , 2017, 143, 195-198.	3.5	12
16	Preparation, microstructural evolution and properties of Niâ€“Zr intermetallic/Zrâ€“Si ceramic reinforced composite coatings on zirconium alloy by laser cladding. <i>Journal of Alloys and Compounds</i> , 2015, 647, 41-49.	5.5	7
17	Microstructure Characteristics of Transient Liquid Phase Diffusion Bonding Super-Ni/NiCr Laminated Composite to TC4 Alloy. <i>Science of Advanced Materials</i> , 2019, 11, 1252-1258.	0.7	0