

Jun Dai

List of Publications by Year in descending order

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31
papers

396
citations

858243

12
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31
all docs

31
docs citations

31
times ranked

409
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of different interlayers on the microstructure and properties of Mg/Cu dissimilar alloy welded joints. <i>Journal of Laser Applications</i> , 2021, 33, 012055.	0.8	1
2	Corrosion Behavior and Mechanism of Carbon Ion-Implanted Magnesium Alloy. <i>Coatings</i> , 2020, 10, 734.	1.2	7
3	Effect of Powder Interlayer on Copper Alloy Lap Joint by Laser Welding. <i>Transactions of the Indian Institute of Metals</i> , 2020, 73, 2577-2585.	0.7	0
4	Improvement of the Laser-Welded Lap Joint of Dissimilar Mg Alloy and Cu by Incorporation of a Zn Interlayer. <i>Materials</i> , 2020, 13, 2053.	1.3	7
5	Effects of Ti, Ni, and Dual Ti/Ni Plasma Immersion Ion Implantation on the Corrosion and Wear Properties of Magnesium Alloy. <i>Coatings</i> , 2020, 10, 313.	1.2	12
6	Laser Welding of Dissimilar Metal Joint of 6061 Al Alloy and Al Matrix Composite. <i>Advances in Materials Science and Engineering</i> , 2019, 2019, 1-6.	1.0	6
7	Study on pulsed laser welding of AZ31B Mg and 6061 Al alloys using Cu interlayer. <i>Materials Research Express</i> , 2019, 6, 046553.	0.8	8
8	Interfacial IMC Layer and Tensile Properties of Ni-Reinforced Cu/Sn-0.7Cu-0.05Ni/Cu Solder Joint: Effect of Aging Temperature. <i>Transactions of the Indian Institute of Metals</i> , 2017, 70, 2429-2439.	0.7	5
9	Electromigration reliability for Al ₂ O ₃ -reinforced Cu/Sn-58Bi/Cu composite solder joints. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 3004-3012.	1.1	10
10	Tribological Behavior of IN718 Superalloy Coating Fabricated by Laser Additive Manufacturing. <i>Lasers in Manufacturing and Materials Processing</i> , 2017, 4, 153-167.	1.2	4
11	Investigation on the optimized heat treatment procedure for laser fabricated IN718 alloy. <i>Optics and Laser Technology</i> , 2017, 97, 172-179.	2.2	39
12	Effect of Heat Treatment on Microstructure and Properties of Laser Welded Joint of 304 Stainless Steel Plate. , 2017, , .		0
13	Investigation on the Microstructure, Interfacial IMC Layer, and Mechanical Properties of Cu/Sn-0.7Cu-xNi/Cu Solder Joints. <i>Journal of Electronic Materials</i> , 2016, 45, 3766-3775.	1.0	9
14	Grain growth of Ni-based superalloy IN718 coating fabricated by pulsed laser deposition. <i>Optics and Laser Technology</i> , 2016, 80, 220-226.	2.2	32
15	Influence of BaTiO ₃ Nanoparticle Addition on Microstructure and Mechanical Properties of Sn-58Bi Solder. <i>Journal of Electronic Materials</i> , 2015, 44, 2473-2478.	1.0	21
16	Effect of aluminum concentration on the microstructure and mechanical properties of Sn-Cu-Al solder alloy. <i>Microelectronics Reliability</i> , 2015, 55, 596-601.	0.9	23
17	Effect of BaTiO ₃ on the microstructure and mechanical properties of Sn _{1.0} Ag _{0.5} Cu lead-free solder. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 613-619.	1.1	16
18	Study on the Indentation Creep Behavior of Mg-4Al-RE-0.8Ca Magnesium Alloy. <i>Journal of Materials Engineering and Performance</i> , 2015, 24, 4290-4296.	1.2	4

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19	Microstructure, interfacial IMC and mechanical properties of Sn ^{0.7} Cu ^x Al (x=0~0.075) lead-free solder alloy. <i>Materials & Design</i> , 2015, 67, 209-216.	5.1	53
20	Study of plasma in laser welding of magnesium alloy. <i>International Journal of Advanced Manufacturing Technology</i> , 2014, 73, 443-447.	1.5	12
21	Effect of Ca and Sr on the compressive creep behavior of Mg ⁴ Al ^{RE} based magnesium alloys. <i>Materials & Design</i> , 2014, 63, 439-445.	5.1	40
22	Effect of Ca and Sr on microstructure and compressive creep property of Mg ⁴ Al ^{RE} alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 610, 309-314.	2.6	23
23	Effect of nanosized graphite on properties of Sn ^{Bi} solder. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 4180-4185.	1.1	31
24	Effects of Heat Input on Microstructure and Mechanical Properties of Laser-Welded Mg-Rare Earth Alloy. <i>Journal of Materials Engineering and Performance</i> , 2013, 22, 64-70.	1.2	5
25	Precipitate morphology and effects on strength of laser welded Mg Nd Zn ^{Zr} after aging treatment. <i>Materials Science and Technology</i> , 2013, 29, 1478-1483.	0.8	1
26	Effects of Aging Treatment on Laser-Welded Mg-Rare Earth Alloy NZ30K. <i>Advances in Materials Science and Engineering</i> , 2013, 2013, 1-7.	1.0	4
27	Research on Laser Welding of Mg-Rare Earth Alloy Mg-3Nd-0.2Zn-0.4Zr. <i>Journal of Materials Engineering and Performance</i> , 2012, 21, 208-212.	1.2	5
28	Investigations on laser welding of magnesium alloys. <i>International Journal of Materials Research</i> , 2012, 103, 1218-1222.	0.1	1
29	Effects of heat treatments on laser welded Mg-rare earth alloy NZ30K. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011, 529, 401-405.	2.6	14
30	Microstructure and mechanical properties of high power CO ₂ laser welded joint of Mg-Rare earth alloy NZ30K. <i>Physics Procedia</i> , 2010, 5, 511-516.	1.2	3
31	Laser Hybrid Welding Processing of Mg-Rare Earth Alloy. <i>Advanced Materials Research</i> , 0, 311-313, 2367-2370.	0.3	0