

Kalaiselvan K

List of Publications by Year in descending order

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22
papers

942
citations

687220

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docs citations

24
times ranked

764
citing authors

#	ARTICLE	IF	CITATIONS
1	Microstructure and mechanical properties of Cu/RHA composites fabricated by friction stir processing. <i>Materials Today: Proceedings</i> , 2021, 45, 879-883.	0.9	1
2	Assessment of Microstructure and Tensile Behavior of Hot Wire Gas Tungsten Arc Welded Pure Nickel Tubes. <i>Transactions of the Indian Institute of Metals</i> , 2021, 74, 355-368.	0.7	1
3	Friction stir processing of Al3Ni intermetallic particulate reinforced cast aluminum matrix composites: Microstructure and tensile properties. <i>Journal of Materials Research and Technology</i> , 2020, 9, 4356-4367.	2.6	37
4	Optimization of CNC-WEDM Parameters for AA2024/ZrB2 in situ Stir Cast Composites Using Response Surface Methodology with Desirability Function Technique. <i>Arabian Journal for Science and Engineering</i> , 2020, 45, 5563-5579.	1.7	9
5	Fabrication, characterization and analysis of improvements in mechanical properties of AA7075/ZrB2 in-situ composites. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019, 136, 356-366.	2.5	27
6	Microstructure and mechanical behavior of AA2024 aluminum matrix composites reinforced with in situ synthesized ZrB2 particles. <i>Journal of Alloys and Compounds</i> , 2018, 735, 2167-2174.	2.8	76
7	Experimental Investigation on Mechanical and Distortion Characteristics of Titanium/Aluminium Dissimilar Metal Joint Using Laser Beam Welding. <i>Journal of Advanced Manufacturing Systems</i> , 2018, 17, 569-579.	0.4	1
8	Studies on Characteristics of Ti6Al4V/AA2024 Dissimilar Weld Joint Using Laser Beam Focusing from AA2024 Side. <i>Transactions of the Indian Institute of Metals</i> , 2017, 70, 2147-2153.	0.7	4
9	Influence of rice husk ash particles on microstructure and tensile behavior of AA6061 aluminum matrix composites produced using friction stir processing. <i>Composites Communications</i> , 2017, 3, 42-46.	3.3	74
10	Microstructure and wear characterization of rice husk ash reinforced copper matrix composites prepared using friction stir processing. <i>Journal of Alloys and Compounds</i> , 2017, 718, 150-160.	2.8	60
11	Assessment of microstructure and wear behavior of aluminum nitrate reinforced surface composite layers synthesized using friction stir processing on copper substrate. <i>Surface and Coatings Technology</i> , 2017, 322, 51-58.	2.2	23
12	Microstructure and sliding wear characterization of Cu/TiB ₂ copper matrix composites fabricated via friction stir processing. <i>Journal of Asian Ceramic Societies</i> , 2017, 5, 295-303.	1.0	57
13	Characterization of AA6063/SiC-Gr Surface Composites Produced by FSP Technique. <i>Procedia Engineering</i> , 2014, 97, 625-631.	1.2	29
14	Characterization of friction stir welded boron carbide particulate reinforced AA6061 aluminum alloy stir cast composite. <i>Materials & Design</i> , 2014, 55, 176-182.	5.1	86
15	Role of friction stir welding parameters on tensile strength of AA6061/B4C composite joints. <i>Transactions of Nonferrous Metals Society of China</i> , 2013, 23, 616-624.	1.7	71
16	Dry sliding wear behaviour of friction stir welded aluminum (6061)-B ₄ C composite. <i>International Journal of Microstructure and Materials Properties</i> , 2013, 8, 239.	0.1	3
17	Optimization of Wear Rate of Friction Stir Welded AL-B4C Composite. , 2013, , 271-276.		2
18	Optimizations of Friction Stir Welding Process Parameters for the Welding of Al-B4C Composite Plates using Generalized Reduced Gradient Method. <i>Procedia Engineering</i> , 2012, 38, 49-55.	1.2	22

#	ARTICLE	IF	CITATIONS
19	Effect of material location and tool rotational speed on microstructure and tensile strength of dissimilar friction stir welded aluminum alloys. Archives of Civil and Mechanical Engineering, 2012, 12, 446-454.	1.9	38
20	Production and characterization of AA6061/B4C stir cast composite. Materials & Design, 2011, 32, 4004-4009.	5.1	314
21	Synthesis and Characteristic of AA6061/SiC Sand Cast Composite. Applied Mechanics and Materials, 0, 591, 43-46.	0.2	1
22	CNC wire-cut EDM input variables analysis on Ni -based superalloy (MONEL K-500). Materials and Manufacturing Processes, 0, , 1-10.	2.7	4