

Kalaiselvan K

List of Publications by Year in descending order

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22
papers

942
citations

687220

13
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794469

19
g-index

24
all docs

24
docs citations

24
times ranked

764
citing authors

#	ARTICLE	IF	CITATIONS
1	Production and characterization of AA6061/B4C stir cast composite. Materials & Design, 2011, 32, 4004-4009.	5.1	314
2	Characterization of friction stir welded boron carbide particulate reinforced AA6061 aluminum alloy stir cast composite. Materials & Design, 2014, 55, 176-182.	5.1	86
3	Microstructure and mechanical behavior of AA2024 aluminum matrix composites reinforced with in situ synthesized ZrB ₂ particles. Journal of Alloys and Compounds, 2018, 735, 2167-2174.	2.8	76
4	Influence of rice husk ash particles on microstructure and tensile behavior of AA6061 aluminum matrix composites produced using friction stir processing. Composites Communications, 2017, 3, 42-46.	3.3	74
5	Role of friction stir welding parameters on tensile strength of AA6061/B4C composite joints. Transactions of Nonferrous Metals Society of China, 2013, 23, 616-624.	1.7	71
6	Microstructure and wear characterization of rice husk ash reinforced copper matrix composites prepared using friction stir processing. Journal of Alloys and Compounds, 2017, 718, 150-160.	2.8	60
7	Microstructure and sliding wear characterization of Cu/TiB ₂ copper matrix composites fabricated via friction stir processing. Journal of Asian Ceramic Societies, 2017, 5, 295-303.	1.0	57
8	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
9	Friction stir processing of Al ₃ Ni intermetallic particulate reinforced cast aluminum matrix composites: Microstructure and tensile properties. Journal of Materials Research and Technology, 2020, 9, 4356-4367.	2.6	37
10	Characterization of AA6063/SiC-Gr Surface Composites Produced by FSP Technique. Procedia Engineering, 2014, 97, 625-631.	1.2	29
11	Fabrication, characterization and analysis of improvements in mechanical properties of AA7075/ZrB ₂ in-situ composites. Measurement: Journal of the International Measurement Confederation, 2019, 136, 356-366.	2.5	27
12	Assessment of microstructure and wear behavior of aluminum nitrate reinforced surface composite layers synthesized using friction stir processing on copper substrate. Surface and Coatings Technology, 2017, 322, 51-58.	2.2	23
13	Optimizations of Friction Stir Welding Process Parameters for the Welding of Al-B4C Composite Plates using Generalized Reduced Gradient Method. Procedia Engineering, 2012, 38, 49-55.	1.2	22
14	Optimization of CNC-WEDM Parameters for AA2024/ZrB ₂ in situ Stir Cast Composites Using Response Surface Methodology with Desirability Function Technique. Arabian Journal for Science and Engineering, 2020, 45, 5563-5579.	1.7	9
15	Studies on Characteristics of Ti6Al4V/AA2024 Dissimilar Weld Joint Using Laser Beam Focusing from AA2024 Side. Transactions of the Indian Institute of Metals, 2017, 70, 2147-2153.	0.7	4
16	CNC wire-cut EDM input variables analysis on Ni -based superalloy (MONEL K-500). Materials and Manufacturing Processes, 0, , 1-10.	2.7	4
17	Dry sliding wear behaviour of friction stir welded aluminum (6061)-B ₄ C composite. International Journal of Microstructure and Materials Properties, 2013, 8, 239.	0.1	3
18	Optimization of Wear Rate of Friction Stir Welded AL-B4C Composite. , 2013, , 271-276.		2

#	ARTICLE	IF	CITATIONS
19	Synthesis and Characteristic of AA6061/SiC Sand Cast Composite. Applied Mechanics and Materials, 0, 591, 43-46.	0.2	1
20	Experimental Investigation on Mechanical and Distortion Characteristics of Titanium/Aluminium Dissimilar Metal Joint Using Laser Beam Welding. Journal of Advanced Manufacturing Systems, 2018, 17, 569-579.	0.4	1
21	Microstructure and mechanical properties of Cu/RHA composites fabricated by friction stir processing. Materials Today: Proceedings, 2021, 45, 879-883.	0.9	1
22	Assessment of Microstructure and Tensile Behavior of Hot Wire Gas Tungsten Arc Welded Pure Nickel Tubes. Transactions of the Indian Institute of Metals, 2021, 74, 355-368.	0.7	1