

Vijay S J

List of Publications by Year in descending order

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33
papers

1,471
citations

516215

16
h-index

454577

30
g-index

37
all docs

37
docs citations

37
times ranked

1065
citing authors

#	ARTICLE	IF	CITATIONS
1	Microhardness and Microstructural Behavior of AA7068/SiC Metal Matrix Composites Synthesized by Powder Metallurgy. Lecture Notes in Mechanical Engineering, 2021, , 101-109.	0.3	1
2	Optimization of coating thickness and coating width for friction surfaced Al6061-B4C over Al6061. Materials Today: Proceedings, 2020, 33, 939-945.	0.9	7
3	Ergonomic evaluation of the risk factors causing pain in the upper part of the body among IT professionals in India. Work, 2020, 67, 993-1005.	0.6	4
4	Carbon fiber-reinforced polymer-metal wire mesh hybrid composite for EMI shielding. , 2020, , 237-256.		1
5	Experimental Investigations on the Effect of Wheel Size on an Industrial Trolley. Lecture Notes in Mechanical Engineering, 2020, , 557-564.	0.3	1
6	Effect of tool material, profile and D/d ratio in friction stir welding of aluminium metal matrix composites. Materials Research Express, 2019, 6, 096590.	0.8	13
7	Characterization of electromagnetic interference shielding composed of carbon fibers reinforced plastics and metal wire mesh based composites. Journal of Materials Research and Technology, 2019, 8, 167-172.	2.6	19
8	Numerical simulation and experimental validation of electromagnetic properties for Al-MWCNT-Fe2O3 hybrid nano-composites. Journal of Alloys and Compounds, 2018, 731, 465-470.	2.8	10
9	Investigation of Mechanical and Electromagnetic Interference Shielding Properties of Nickelâ€“CFRP Textile Composites. Journal of Materials Engineering and Performance, 2018, 27, 2255-2262.	1.2	13
10	The evaluation of electromagnetic shielding properties of CFRP/metal mesh hybrid woven laminated composites. Journal of Composite Materials, 2018, 52, 3819-3829.	1.2	8
11	Effect of nano TiO2 particles on microhardness and microstructural behavior of AA7068 metal matrix composites. Ceramics International, 2018, 44, 20774-20781.	2.3	36
12	Comparative study of conventionally sintered Co-Ni-Al alloy with spark plasma sintered alloy. Science of Sintering, 2018, 50, 337-345.	0.5	5
13	Microstructure and mechanical properties characterization of AA6061/TiC aluminum matrix composites synthesized by in situ reaction of silicon carbide and potassium fluotitanate. Transactions of Nonferrous Metals Society of China, 2016, 26, 1791-1800.	1.7	57
14	Microstructure and wear characterization of aluminum matrix composites reinforced with industrial waste fly ash particulates synthesized by friction stir processing. Materials Characterization, 2016, 118, 149-158.	1.9	103
15	Influence of tool rotational speed on microstructure and sliding wear behavior of Cu/B4C surface composite synthesized by friction stir processing. Transactions of Nonferrous Metals Society of China, 2015, 25, 95-102.	1.7	35
16	Synthesis and characterization of titanium carbide particulate reinforced AA6082 aluminium alloy composites via friction stir processing. Archives of Civil and Mechanical Engineering, 2015, 15, 324-334.	1.9	101
17	Microstructural Characterization of Pure Copper Tubes Produced by a Novel Method Friction Stir Back Extrusion. , 2014, 5, 1502-1508.		29
18	Fabrication and Characterization of CU/B4C Surface Dispersion Strengthened Composite using Friction Stir Processing. Archives of Metallurgy and Materials, 2014, 59, 83-87.	0.6	20

#	ARTICLE	IF	CITATIONS
19	Effect of TiB ₂ content and temperature on sliding wear behavior of AA7075/TiB ₂ in situ aluminum cast composites. Archives of Civil and Mechanical Engineering, 2014, 14, 72-79.	1.9	109
20	Prediction of mechanical and wear properties of copper surface composites fabricated using friction stir processing. Materials & Design, 2014, 55, 224-234.	5.1	66
21	Influence of Traverse Speed on Microstructure and Mechanical Properties of AA6082-TiC Surface Composite Fabricated by Friction Stir Processing. , 2014, 5, 2115-2121.		22
22	Development of Al ₃ Ti and Al ₃ Zr intermetallic particulate reinforced aluminum alloy AA6061 in situ composites using friction stir processing. Materials & Design, 2014, 63, 213-222.	5.1	47
23	Characterization of boron carbide particulate reinforced in situ copper surface composites synthesized using friction stir processing. Materials Characterization, 2013, 84, 16-27.	1.9	133
24	Effect of Traverse Speed on Microstructure and Microhardness of Cu/B ₄ C Surface Composite Produced by Friction Stir Processing. Transactions of the Indian Institute of Metals, 2013, 66, 333-337.	0.7	15
25	Synthesis and characterization of in situ formed titanium diboride particulate reinforced AA7075 aluminum alloy cast composites. Materials & Design, 2013, 44, 438-445.	5.1	191
26	Role of friction stir processing parameters on microstructure and microhardness of boron carbide particulate reinforced copper surface composites. Sadhana - Academy Proceedings in Engineering Sciences, 2013, 38, 1433-1450.	0.8	30
27	Design and development of Fly ash reinforced aluminium matrix composite using friction stir process (FSP). , 2013, , .		2
28	Friction Stir Processing Of Intermetallic Particulate Reinforced Aluminum Matrix Composite. Advanced Materials Letters, 2013, 4, 230-234.	0.3	9
29	Microstructure and sliding wear behavior of AA6360/(TiC+B ₄ C) hybrid surface composite layer synthesized by friction stir processing on aluminum substrate. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 552, 336-344.	2.6	148
30	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
31	Microstructure and microhardness of AA1050/TiC surface composite fabricated using friction stir processing. Sadhana - Academy Proceedings in Engineering Sciences, 2012, 37, 579-586.	0.8	33
32	Influence of tool pin profile on the metallurgical and mechanical properties of friction stir welded Al-10wt.% TiB ₂ metal matrix composite. Materials & Design, 2010, 31, 3585-3589.	5.1	153
33	Effect of Tool Rotational Speed on Microstructure and Microhardness of AA6082/TiC Surface Composites using Friction Stir Processing. Applied Mechanics and Materials, 0, 592-594, 234-239.	0.2	7