

David Raja Selvam Jebaraj

List of Publications by Year in descending order

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papers

945
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566801

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26
docs citations

26
times ranked

740
citing authors

#	ARTICLE	IF	CITATIONS
1	Microstructure and some mechanical properties of fly ash particulate reinforced AA6061 aluminum alloy composites prepared by compocasting. <i>Materials & Design</i> , 2013, 49, 28-34.	5.1	171
2	Synthesis and Characterization of Al6061-Fly Ashp-SiCp Composites by Stir Casting and Compocasting Methods. <i>Energy Procedia</i> , 2013, 34, 637-646.	1.8	113
3	Microstructure and mechanical characterization of in situ synthesized AA6061/(TiB ₂ +Al ₂ O ₃) hybrid aluminum matrix composites. <i>Journal of Alloys and Compounds</i> , 2018, 740, 529-535.	2.8	96
4	Production and characterization of rich husk ash particulate reinforced AA6061 aluminum alloy composites by compocasting. <i>Transactions of Nonferrous Metals Society of China</i> , 2015, 25, 683-691.	1.7	78
5	Dry sliding wear behavior of AA6061 aluminum alloy composites reinforced rice husk ash particulates produced using compocasting. <i>Journal of Asian Ceramic Societies</i> , 2017, 5, 127-135.	1.0	64
6	Microstructural characterization and tensile behavior of friction stir processed AA6061/Al ₂ Cu cast aluminum matrix composites. <i>Journal of Alloys and Compounds</i> , 2019, 781, 270-279.	2.8	63
7	Microstructure and mechanical properties characterization of AA6061/TiC aluminum matrix composites synthesized by in situ reaction of silicon carbide and potassium fluotitanate. <i>Transactions of Nonferrous Metals Society of China</i> , 2016, 26, 1791-1800.	1.7	57
8	In situ formation of ZrB ₂ particulates and their influence on microstructure and tensile behavior of AA7075 aluminum matrix composites. <i>Engineering Science and Technology, an International Journal</i> , 2017, 20, 187-196.	2.0	42
9	Microstructure evolution and mechanical characterization of friction stir welded titanium alloy Ti-6Al-4V using lanthanated tungsten tool. <i>Materials Characterization</i> , 2018, 139, 328-336.	1.9	42
10	Microstructural characterization of vanadium particles reinforced AA6063 aluminum matrix composites via friction stir processing with improved tensile strength and appreciable ductility. <i>Composites Communications</i> , 2019, 12, 54-58.	3.3	36
11	High temperature sliding wear behavior of AA6061/fly ash aluminum matrix composites prepared using compocasting process. <i>Tribology - Materials, Surfaces and Interfaces</i> , 2017, 11, 39-46.	0.6	33
12	Turning characteristics of in situ formed TiB ₂ ceramic particulate reinforced AA7075 aluminum matrix composites using polycrystalline diamond cutting tool. <i>Measurement: Journal of the International Measurement Confederation</i> , 2018, 121, 39-46.	2.5	33
13	Microstructural Characterization and Tensile Behavior of Rutile (TiO ₂)-Reinforced AA6063 Aluminum Matrix Composites Prepared by Friction Stir Processing. <i>Acta Metallurgica Sinica (English Letters)</i> , 2019, 32, 52-62.	1.5	29
14	Dry sliding wear behaviour of in-situ fabricated TiC particulate reinforced AA6061 aluminium alloy. <i>Tribology - Materials, Surfaces and Interfaces</i> , 2019, 13, 1-11.	0.6	16
15	Predicting the effect of machining parameters on turning characteristics of AA7075/TiB ₂ in situ aluminum matrix composites using empirical relationships. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2018, 40, 1.	0.8	15
16	Experimental Investigation on the Friction and Wear Characteristics of Palm Seed Powder Reinforced Brake Pad Friction Composites. <i>Journal of the Institution of Engineers (India): Series D</i> , 2020, 101, 61-69.	0.6	13
17	Role of zirconium diboride particles on microstructure and wear behaviour of AA7075 <i>in situ</i> aluminium matrix composites at elevated temperature. <i>Tribology - Materials, Surfaces and Interfaces</i> , 2019, 13, 230-238.	0.6	8
18	Microstructure and sliding wear behavior of fly ash reinforced dual phase brass surface composites synthesized through friction stir processing. <i>Materials Chemistry and Physics</i> , 2021, 263, 124430.	2.0	8

#	ARTICLE	IF	CITATIONS
19	Microstructure and mechanical characterization of Nd:YAG laser beam welded AA6061/10wt% ZrB ₂ aluminum matrix composites. Optics and Laser Technology, 2021, 140, 107084.	2.2	8
20	Microstructure Characterization of in-situ formed Al ₂ O ₃ -TiB ₂ AMCs particles on AA6061 aluminium matrix composites. Materials Today: Proceedings, 2019, 16, 574-578.	0.9	7
21	Electromagnetic interference shielding effectiveness of in situ-synthesized ultrafine SiC- and Al ₂ O ₃ -reinforced AA6061 aluminum matrix composites. Journal of Materials Science: Materials in Electronics, 2022, 33, 3774-3785.	1.1	4
22	Influence of turning parameters on the machinability of Al6061/ZrB ₂ & ZrC hybrid in-situ Aluminium Matrix Composite. Australian Journal of Mechanical Engineering, 2023, 21, 1218-1229.	1.5	3
23	Experimental investigation and characterization of <i>in situ</i> synthesized sub micron ZrB ₂ -ZrC particles reinforced hybrid AA6061 aluminium composite. Materials Research Express, 2019, 6, 1050e1.	0.8	2
24	In-situ synthesis and microstructural characterization of AA6061/(TiB ₂ +TiC) particles in AA6061 aluminium composite. Materials Today: Proceedings, 2021, 43, 2255-2258.	0.9	2
25	Effect of Dry Sliding Wear Behaviour of AA6061/ZrB ₂ /SiC Hybrid Composite. International Journal of Vehicle Structures and Systems, 2016, 8, .	0.1	1