

Chandramohan Devarajan

List of Publications by Year in descending order

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26
papers

1,383
citations

394421

19
h-index

552781

26
g-index

29
all docs

29
docs citations

29
times ranked

453
citing authors

#	ARTICLE	IF	CITATIONS
1	A comparative study on surface strengthening characterisation and residual stresses of dental alloys using laser shock peening. International Journal of Ambient Energy, 2021, 42, 1740-1745.	2.5	61
2	Characterization of hybrid Aloe Vera/Bamboo/Palm/Kevlar fibers for better mechanical properties. Materials Today: Proceedings, 2021, 37, 2223-2227.	1.8	6
3	Experimental investigation on stacking sequence of Kevlar and natural fibres/epoxy polymer composites. Polimeros, 2021, 31, .	0.7	4
4	Optimal hydraulic and thermal constrain for plate heat exchanger using multi objective wale optimization. Materials Today: Proceedings, 2020, 21, 876-881.	1.8	97
5	Strengthening mechanism of Nd: Yag laser shock peening for commercially pure titanium (CP-Ti) on surface integrity and residual stresses. Materials Today: Proceedings, 2020, 21, 981-987.	1.8	89
6	ANN-AGCS for the prediction of temperature distribution and required energy in hot forging process using finite element analysis. Materials Today: Proceedings, 2020, 21, 263-267.	1.8	90
7	Flower Pollination Algorithm for the optimization of stair casting parameter for the preparation of AMC. Materials Today: Proceedings, 2020, 21, 882-886.	1.8	85
8	Experimental investigation on single point incremental forming of IS513Cr3 using response surface method. Materials Today: Proceedings, 2020, 21, 902-907.	1.8	45
9	Optimal prediction of process parameters by GWO-KNN in stirring-squeeze casting of AA2219 reinforced metal matrix composites. Materials Today: Proceedings, 2020, 21, 1000-1007.	1.8	119
10	A novel technique to design and production of coil spring in centre lathe. Materials Today: Proceedings, 2020, 33, 2521-2523.	1.8	23
11	Effect of inter-facial coupled contact forces in the multilayered pacemaker lead cable. AIP Conference Proceedings, 2020, , .	0.4	22
12	Mechanical and thermal properties of jute/aloevera hybrid natural fiber reinforced composites. AIP Conference Proceedings, 2020, , .	0.4	51
13	Numerical analysis of cardiac lead due to internal cable motion. AIP Conference Proceedings, 2020, , .	0.4	1
14	Teaching learning optimization and neural network for the effective prediction of heat transfer rates in tube heat exchangers. Thermal Science, 2020, 24, 575-581.	1.1	98
15	Larvicidal and enzyme inhibition of essential oil from Spheranthus amaranthroids (Burm.) against lepidopteran pest Spodoptera litura (Fab.) and their impact on non-target earthworms. Biocatalysis and Agricultural Biotechnology, 2019, 21, 101324.	3.1	60
16	Mechanical properties of boehmeria nivea reinforced polymer composite. Materials Today: Proceedings, 2019, 16, 883-888.	1.8	41
17	Free Vibrational Analysis of Cortical / Hard Cancellous Bone By Using of FEA. Materials Today: Proceedings, 2019, 16, 744-749.	1.8	28
18	Mechanical, Moisture Absorption, and Abrasion Resistance Properties of Bamboo“Jute“Glass Fiber Composites. Journal of Bio- and Tribo-Corrosion, 2019, 5, 1.	2.6	68

#	ARTICLE	IF	CITATIONS
19	Aspergillus flavus (Link) toxins reduces the fitness of dengue vector Aedes aegypti (Linn.) and their non-target toxicity against aquatic predator. Microbial Pathogenesis, 2019, 128, 281-287.	2.9	61
20	Machining Characteristics of Natural Fiber Particle Reinforced Polymer Composite Material using Artificial Neural Network. International Journal of Innovative Technology and Exploring Engineering, 2019, 8, 3350-3354.	0.3	1
21	Experimental data on the properties of natural fiber particle reinforced polymer composite material. Data in Brief, 2017, 13, 460-468.	1.0	131
22	Fibre Reinforced Composites: a Promising Material for Artificial Limb. Data-Enabled Discovery and Applications, 2017, 1, 1.	1.2	5
23	PROGRESS OF BIOMATERIALS IN THE FIELD OF ORTHOPAEDICS. American Journal of Applied Sciences, 2014, 11, 623-630.	0.2	45
24	NATURAL FIBER REINFORCED POLYMER COMPOSITES FOR AUTOMOBILE ACCESSORIES. American Journal of Environmental Sciences, 2013, 9, 494-504.	0.5	119
25	Applications of natural fiber composites for replacement of orthopaedic alloys. , 2011, , .		18
26	Characterization of natural fibers and their application in bone grafting substitutes. Acta of Bioengineering and Biomechanics, 2011, 13, 77-84.	0.4	3