

Elammaran Jayamani

List of Publications by Year in descending order

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563
citing authors

#	ARTICLE	IF	CITATIONS
1	A comprehensive review on dielectric composites: Classification of dielectric composites. Renewable and Sustainable Energy Reviews, 2022, 157, 112075.	16.4	34
2	Recycled polymer and plastic waste and its biocomposites. , 2022, , 81-96.		2
3	Marine-based reinforcing materials for biocomposites. , 2022, , 229-245.		0
4	Impact of recycled plastic biocomposites on the economy and socioenvironment. , 2022, , 247-259.		0
5	Education and awareness of waste and recycled plastic biocomposites. , 2022, , 281-297.		0
6	Effect of chemical treatments on polarization and dielectric properties of Kumpang wood reinforced epoxy composite. Materials Today: Proceedings, 2021, 46, 8887-8894.	1.8	4
7	Characterization study of flax/strontium titanate/polypropylene composite for low dielectric applications. Journal of Applied Polymer Science, 2021, 138, 50577.	2.6	3
8	Effect of Sago Starch Modifications on Polystyrene/Thermoplastic Starch Blends. Materials, 2021, 14, 2867.	2.9	4
9	Comparative study of Fourier transform infrared spectroscopy (FTIR) analysis of natural fibres treated with chemical, physical and biological methods. Polymer Bulletin, 2020, 77, 1605-1629.	3.3	26
10	The effect of palm oil fuel ash (POFA) and polyvinyl alcohol (PVA) on the physico-mechanical, thermal and morphological properties of hybrid bio-composites. Polymer Bulletin, 2020, 77, 3523-3535.	3.3	7
11	Investigating Dielectric Properties in Hybrid PLA-PHA Composites with Sodium Hydroxide Treated Flax Fibers. Lecture Notes in Mechanical Engineering, 2020, , 393-402.	0.4	3
12	Cellulose fiber-reinforced thermosetting composites: impact of cyanoethyl modification on mechanical, thermal and morphological properties. Polymer Bulletin, 2019, 76, 4295-4311.	3.3	15
13	Lignocellulosic Fibres Reinforced Polymer Composites for Acoustical Applications. Springer Series on Polymer and Composite Materials, 2018, , 415-444.	0.7	2
14	Comparative analysis on dielectric properties of polymer composites reinforced with synthetic and natural fibers. Journal of Vinyl and Additive Technology, 2018, 24, E201.	3.4	12
15	Study of dielectric properties of luffa poly-lactide quadratic splint composites: The effect of cyclic absorption and desorption of water. Journal of Vinyl and Additive Technology, 2018, 24, 388-394.	3.4	8
16	Biocomposite Materials and Its Applications in Acoustical Comfort and Noise Control. Green Energy and Technology, 2017, , 247-259.	0.6	5
17	Processing and Characterization of Banana Fiber/Epoxy Composites: Effect of Alkaline Treatment. Materials Today: Proceedings, 2017, 4, 2871-2878.	1.8	40
18	Effect of Layout Sequence on the Integrity of Poly-lactic Acid and Rice Straw Fibre Composites. Materials Today: Proceedings, 2017, 4, 3150-3157.	1.8	1

#	ARTICLE	IF	CITATIONS
19	Comparative Study of Sound Absorption Coefficients of Coir/Kenaf/Sugarcane Bagasse Fiber Reinforced Epoxy Composites. <i>Key Engineering Materials</i> , 2017, 730, 48-53.	0.4	6
20	Acoustical, thermal, and morphological properties of zein reinforced oil palm empty fruit bunch fiber bio-composites. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	18
21	Analysis of natural fiber polymer composites: Effects of alkaline treatment on sound absorption. <i>Journal of Reinforced Plastics and Composites</i> , 2016, 35, 703-711.	3.1	31
22	INVESTIGATION ON DIELECTRIC AND SOUND ABSORPTION PROPERTIES OF BANANA FIBERS REINFORCED EPOXY COMPOSITES. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2016, 78, .	0.4	10
23	An investigation of sound absorption coefficient on sisal fiber poly lactic acid bio-composites. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	18
24	Study of Sound Absorption Coefficients and Characterization of Rice Straw Stem Fibers Reinforced Polypropylene Composites. <i>BioResources</i> , 2015, 10, .	1.0	33
25	Dielectric Properties of Lignocellulosic Fibers Reinforced Polymer Composites: Effect of Fiber Loading and Alkaline Treatment. <i>Materials Today: Proceedings</i> , 2015, 2, 2757-2766.	1.8	30
26	Reinforced Oil Palm Fiber Epoxy Composites: An Investigation on Chemical Treatment of Fibers on Acoustical, Morphological, Mechanical and Spectral Properties. <i>Materials Today: Proceedings</i> , 2015, 2, 2747-2756.	1.8	15
27	Processing and Characterization of Epoxy/Luffa Composites: Investigation on Chemical Treatment of Fibers on Mechanical and Acoustical Properties. <i>BioResources</i> , 2014, 9, .	1.0	22
28	Investigation of Fiber Surface Treatment on Mechanical, Acoustical and Thermal Properties of Betelnut Fiber Polyester Composites. <i>Procedia Engineering</i> , 2014, 97, 545-554.	1.2	75
29	Comparative Study of Dielectric Properties of Hybrid Natural Fiber Composites. <i>Procedia Engineering</i> , 2014, 97, 536-544.	1.2	105
30	Strain Rate Effect on the Mechanical Properties of Recycled Wood Particles/ Epoxy Composites. <i>Applied Mechanics and Materials</i> , 2014, 624, 57-61.	0.2	0
31	Experimental Determination of Sound Absorption Coefficients of Four Types of Malaysian Wood. <i>Applied Mechanics and Materials</i> , 0, 315, 577-581.	0.2	6
32	Investigation on Sound Absorption Coefficients of Betel Nut Fiber Reinforced Polymer Matrix Composites. <i>Applied Mechanics and Materials</i> , 0, 465-466, 901-905.	0.2	0
33	Sound Absorption Coefficients Natural Fibre Reinforced Composites. <i>Advanced Materials Research</i> , 0, 701, 53-58.	0.3	27
34	Fabrication of Chemically Treated Natural Fibre Reinforced Polymer Matrix Composites and Measurement of its Sound Absorption Coefficients to Regulate Industrial Noise. <i>Applied Mechanics and Materials</i> , 0, 465-466, 896-900.	0.2	0
35	Synthesis and Characterization of Epoxy Resin Reinforced with Luffa Fiber Composites for Sound Absorption. <i>Applied Mechanics and Materials</i> , 0, 624, 36-41.	0.2	0
36	Acoustic and Thermal Properties of Polymer Composites Reinforced with Lignocellulosic Fibers. <i>Applied Mechanics and Materials</i> , 0, 624, 25-29.	0.2	11

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37	Sound Absorption Property of Agricultural Lignocellulose Residue Fiber Reinforced Polymer Matrix Composites. Applied Mechanics and Materials, 0, 663, 464-468.	0.2	6
38	Preliminary Study on the Acoustical, Dielectric and Mechanical Properties of Sugarcane Bagasse Reinforced Unsaturated Polyester Composites. Materials Science Forum, 0, 890, 12-15.	0.3	2
39	Dielectric Properties of Pineapple Leaf Fiber Reinforced Epoxy Based Composites. Key Engineering Materials, 0, 730, 42-47.	0.4	6