

# Elammaran Jayamani

## List of Publications by Year in descending order

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39  
papers

587  
citations

759233

12  
h-index

677142

22  
g-index

39  
all docs

39  
docs citations

39  
times ranked

563  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative Study of Dielectric Properties of Hybrid Natural Fiber Composites. <i>Procedia Engineering</i> , 2014, 97, 536-544.	1.2	105
2	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
3	Processing and Characterization of Banana Fiber/Epoxy Composites: Effect of Alkaline Treatment. <i>Materials Today: Proceedings</i> , 2017, 4, 2871-2878.	1.8	40
4	A comprehensive review on dielectric composites: Classification of dielectric composites. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 157, 112075.	16.4	34
5	Study of Sound Absorption Coefficients and Characterization of Rice Straw Stem Fibers Reinforced Polypropylene Composites. <i>BioResources</i> , 2015, 10, .	1.0	33
6	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
7	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
8	Sound Absorption Coefficients Natural Fibre Reinforced Composites. <i>Advanced Materials Research</i> , 0, 701, 53-58.	0.3	27
9	Comparative study of Fourier transform infrared spectroscopy (FTIR) analysis of natural fibres treated with chemical, physical and biological methods. <i>Polymer Bulletin</i> , 2020, 77, 1605-1629.	3.3	26
10	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
11	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
12	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
13	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
14	Cellulose fiber-reinforced thermosetting composites: impact of cyanoethyl modification on mechanical, thermal and morphological properties. <i>Polymer Bulletin</i> , 2019, 76, 4295-4311.	3.3	15
15	Comparative analysis on dielectric properties of polymer composites reinforced with synthetic and natural fibers. <i>Journal of Vinyl and Additive Technology</i> , 2018, 24, E201.	3.4	12
16	Acoustic and Thermal Properties of Polymer Composites Reinforced with Lignocellulosic Fibers. <i>Applied Mechanics and Materials</i> , 0, 624, 25-29.	0.2	11
17	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
18	Study of dielectric properties of luffa-poly lactide quadratic splint composites: The effect of cyclic absorption and desorption of water. <i>Journal of Vinyl and Additive Technology</i> , 2018, 24, 388-394.	3.4	8

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19	The effect of palm oil fuel ash (POFA) and polyvinyl alcohol (PVA) on the physico-mechanical, thermal and morphological properties of hybrid bio-composites. <i>Polymer Bulletin</i> , 2020, 77, 3523-3535.	3.3	7
20	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
21	Sound Absorption Property of Agricultural Lignocellulose Residue Fiber Reinforced Polymer Matrix Composites. <i>Applied Mechanics and Materials</i> , 0, 663, 464-468.	0.2	6
22	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
23	Dielectric Properties of Pineapple Leaf Fiber Reinforced Epoxy Based Composites. <i>Key Engineering Materials</i> , 0, 730, 42-47.	0.4	6
24	Biocomposite Materials and Its Applications in Acoustical Comfort and Noise Control. <i>Green Energy and Technology</i> , 2017, , 247-259.	0.6	5
25	Effect of chemical treatments on polarization and dielectric properties of Kumpang wood reinforced epoxy composite. <i>Materials Today: Proceedings</i> , 2021, 46, 8887-8894.	1.8	4
26	Effect of Sago Starch Modifications on Polystyrene/Thermoplastic Starch Blends. <i>Materials</i> , 2021, 14, 2867.	2.9	4
27	Characterization study of flax/strontium titanate/polypropylene composite for low dielectric applications. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50577.	2.6	3
28	Investigating Dielectric Properties in Hybrid PLA-PHA Composites with Sodium Hydroxide Treated Flax Fibers. <i>Lecture Notes in Mechanical Engineering</i> , 2020, , 393-402.	0.4	3
29	Preliminary Study on the Acoustical, Dielectric and Mechanical Properties of Sugarcane Bagasse Reinforced Unsaturated Polyester Composites. <i>Materials Science Forum</i> , 0, 890, 12-15.	0.3	2
30	Lignocellulosic Fibres Reinforced Polymer Composites for Acoustical Applications. <i>Springer Series on Polymer and Composite Materials</i> , 2018, , 415-444.	0.7	2
31	Recycled polymer and plastic waste and its biocomposites. , 2022, , 81-96.		2
32	Effect of Layout Sequence on the Integrity of Poly-lactic Acid and Rice Straw Fibre Composites. <i>Materials Today: Proceedings</i> , 2017, 4, 3150-3157.	1.8	1
33	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
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	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
36	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

#	ARTICLE	IF	CITATIONS
37	Marine-based reinforcing materials for biocomposites. , 2022, , 229-245.		0
38	Impact of recycled plastic biocomposites on the economy and socioenvironment. , 2022, , 247-259.		0
39	Education and awareness of waste and recycled plastic biocomposites. , 2022, , 281-297.		0