

Senthil Muthu Kumar Thiagamani

List of Publications by Year in Descending Order

Source:

<https://exaly.com/author-pdf/7871901/senthil-muthu-kumar-thiagamani-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

44
papers

548
citations

14
h-index

23
g-index

55
ext. papers

793
ext. citations

3.6
avg, IF

4.34
L-index

#	Paper	IF	Citations
44	Thermal Characterization of the Natural Fiber-Based Hybrid Composites: An Overview 2022 , 1-15		0
43	Effect of CNT Fillers on Thermal Properties of the Bamboo Fiber-Based Hybrid Composites 2022 , 255-272		
42	Thermal Properties of Sugar Palm Fiber-Based Hybrid Composites 2022 , 53-83		
41	Thermal Properties of the Natural Fiber-Reinforced Hybrid Polymer Composites: An Overview 2022 , 31-51		1
40	Thermal Properties of the Banana Fiber-Based Hybrid Composites 2022 , 153-165		
39	Emerging Developments on Nanocellulose as Liquid Crystals: A Biomimetic Approach.. <i>Polymers</i> , 2022 , 14,	4.5	4
38	Mechanical, Interfacial and Thermal Properties of Silica Aerogel-Infused Flax/Epoxy Composites. <i>International Polymer Processing</i> , 2021 , 36, 53-59	1	3
37	Dynamic Mechanical Behavior of Hybrid Flax/Basalt Fiber Polymer Composites 2021 , 305-312		
36	Mechanical Behaviors of Natural Fiber-Reinforced Polymer Hybrid Composites 2021 , 1-26		
35	Influence of Fiber Loading on the Mechanical Properties and Moisture Absorption of the Sisal Fiber-Reinforced Epoxy Composites 2021 , 265-273		
34	Fracture Toughness of the Natural Fiber-Reinforced Composites: A Review 2021 , 293-304		2
33	Performance of Sisal/Hemp Bio-based Epoxy Composites Under Accelerated Weathering. <i>Journal of Polymers and the Environment</i> , 2021 , 29, 624-636	4.5	18
32	Influence of Titanium Dioxide Particles on the Filtration of 1,4-Dioxane and Antibacterial Properties of Electrospun Cellulose Acetate and Polyvinylidene Fluoride Nanofibrous Membranes. <i>Journal of Polymers and the Environment</i> , 2021 , 29, 775-784	4.5	4
31	Characterization, Thermal and Antimicrobial Properties of Hybrid Cellulose Nanocomposite Films with in-Situ Generated Copper Nanoparticles in Tamarindus indica Nut Powder. <i>Journal of Polymers and the Environment</i> , 2021 , 29, 1134-1142	4.5	18
30	Effect of adding sisal fiber on the sliding wear behavior of the coconut sheath fiber-reinforced composite 2021 , 115-125		1
29	Graphene and Silver Nanoparticle Based Hybrid Nanocomposites for Anti-bacterial Applications. <i>Composites Science and Technology</i> , 2021 , 183-196		
28	Tribological characterization of cellulose fiber-reinforced polymer composites 2021 , 95-113		0

27	Influence of Fibre Inter-ply Orientation on the Mechanical and Free Vibration Properties of Banana Fibre Reinforced Polyester Composite Laminates. <i>Journal of Polymers and the Environment</i> , 2020 , 28, 2789-2800	4.5	12
26	Chitosan-Based Hybrid Nanocomposites for Food Packaging Applications 2020 , 327-346		
25	Water Hyacinth for Biocomposites An Overview 2020 , 171-179		1
24	Influence of Fillers on the Thermal and Mechanical Properties of Biocomposites: An Overview 2020 , 111-133		14
23	Dual cantilever creep and recovery behavior of sisal/hemp fibre reinforced hybrid biocomposites: Effects of layering sequence, accelerated weathering and temperature. <i>Journal of Industrial Textiles</i> , 2020 , 152808372096141	1.6	5
22	Investigation into mechanical, absorption and swelling behaviour of hemp/sisal fibre reinforced bioepoxy hybrid composites: Effects of stacking sequences. <i>International Journal of Biological Macromolecules</i> , 2019 , 140, 637-646	7.9	53
21	Recent advances in thermal properties of hybrid cellulosic fiber reinforced polymer composites. <i>International Journal of Biological Macromolecules</i> , 2019 , 141, 1-13	7.9	41
20	Biomedical Applications of Polymer/Layered Double Hydroxide Bionanocomposites 2019 , 315-322		2
19	Thermal and structural characterization of acrylonitrile butadiene styrene (ABS) copolymer blended with polytetrafluoroethylene (PTFE) particulate composite. <i>Materials Research Express</i> , 2019 , 6, 085330	1.7	4
18	Effect of fibre loading and Ca(OH) ₂ treatment on thermal, mechanical, and physical properties of pineapple leaf fibre/polyester reinforced composites. <i>Materials Research Express</i> , 2019 , 6, 085545	1.7	17
17	Influence of Musa acuminate bio-filler on the thermal, mechanical and visco-elastic behavior of poly (propylene) carbonate biocomposites. <i>International Journal of Polymer Analysis and Characterization</i> , 2019 , 24, 439-446	1.7	9
16	Influence of silver nanoparticles on the mechanical, thermal and antimicrobial properties of cellulose-based hybrid nanocomposites. <i>Composites Part B: Engineering</i> , 2019 , 165, 516-525	10	36
15	Antimicrobial properties of poly(propylene) carbonate/Ag nanoparticle-modified tamarind seed polysaccharide with composite films. <i>Ionics</i> , 2019 , 25, 3461-3471	2.7	8
14	Flax and sugar palm reinforced epoxy composites: effect of hybridization on physical, mechanical, morphological and dynamic mechanical properties. <i>Materials Research Express</i> , 2019 , 6, 105331	1.7	33
13	Characterization, thermal and dynamic mechanical properties of poly(propylene carbonate) lignocellulosic Cocos nucifera shell particulate biocomposites. <i>Materials Research Express</i> , 2019 , 6, 096426	1.7	4
12	A comprehensive review of electrospun nanofibers: Food and packaging perspective. <i>Composites Part B: Engineering</i> , 2019 , 175, 107074	10	74
11	Effects of stacking sequences on static, dynamic mechanical and thermal properties of completely biodegradable green epoxy hybrid composites. <i>Materials Research Express</i> , 2019 , 6, 105351	1.7	18
10	Challenges of Biodegradable Polymers: An Environmental Perspective 2019 ,		11

9	Mechanical and thermal properties of spent coffee bean filler/poly(3-hydroxybutyrate-co-3-hydroxyvalerate) biocomposites: Effect of recycling. <i>Chemical Engineering Research and Design</i> , 2019 , 124, 187-195	5.5	13
8	Biodegradable poly(propylene) carbonate using in-situ generated CuNPs coated Tamarindus indica filler for biomedical applications. <i>Materials Today Communications</i> , 2019 , 19, 106-113	2.5	11
7	Improved mechanical and thermal properties of spent coffee bean particulate reinforced poly(propylene carbonate) composites. <i>Particulate Science and Technology</i> , 2019 , 37, 643-650	2	5
6	All-cellulose composite films with cellulose matrix and Napier grass cellulose fibril fillers. <i>International Journal of Biological Macromolecules</i> , 2018 , 112, 1310-1315	7.9	45
5	Preparation and Properties of Cellulose/Tamarind Nut Powder Green Composites. <i>Journal of Natural Fibers</i> , 2018 , 15, 11-20	1.8	27
4	Development and analysis of biodegradable poly(propylene carbonate)/tamarind nut powder composite films. <i>International Journal of Polymer Analysis and Characterization</i> , 2017 , 22, 415-423	1.7	23
3	Utilization of chemically treated municipal solid waste (spent coffee bean powder) as reinforcement in cellulose matrix for packaging applications. <i>Waste Management</i> , 2017 , 69, 445-454	8.6	30
2	Synthesis and characterization of graphene derived from biomass for optical sensing of milk proteins. <i>Biomass Conversion and Biorefinery</i> , 1	2.3	
1	An artificial neural network prediction on physical, mechanical, and thermal characteristics of giant reed fiber reinforced polyethylene terephthalate composite. <i>Journal of Industrial Textiles</i> , 152808372110648	1.6	0