

Sabu Thomas

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8932547/publications.pdf>

Version: 2024-02-01

31
papers

2,476
citations

430874

18
h-index

454955

30
g-index

31
all docs

31
docs citations

31
times ranked

2587
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic mechanical analysis of banana fiber reinforced polyester composites. <i>Composites Science and Technology</i> , 2003, 63, 283-293.	7.8	753
2	Miscibility, morphology, thermal, and mechanical properties of a DGEBA based epoxy resin toughened with a liquid rubber. <i>Polymer</i> , 2008, 49, 278-294.	3.8	418
3	Isolation and characterization of cellulose nanofibrils from <i>Helicteres isora</i> plant. <i>Industrial Crops and Products</i> , 2014, 59, 27-34.	5.2	287
4	Cure kinetics, morphology and miscibility of modified DGEBA-based epoxy resin " Effects of a liquid rubber inclusion. <i>Polymer</i> , 2007, 48, 1695-1710.	3.8	217
5	Viscoelastic Behavior and Reinforcement Mechanism in Rubber Nanocomposites in the Vicinity of Spherical Nanoparticles. <i>Journal of Physical Chemistry B</i> , 2013, 117, 12632-12648.	2.6	165
6	Effect of organically modified nanoclay on the miscibility, rheology, morphology and properties of epoxy/carboxyl-terminated (butadiene-co-acrylonitrile) blend. <i>Soft Matter</i> , 2013, 9, 2899.	2.7	96
7	Morphological and Mechanical Characterization of Nanostructured Thermosets from Epoxy and Styrene- <i>block</i> -Butadiene- <i>block</i> -Styrene Triblock Copolymer. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 9121-9129.	3.7	55
8	PVT Behavior of Thermoplastic Poly(styrene-co-acrylonitrile)-Modified Epoxy Systems: Relating Polymerization-Induced Viscoelastic Phase Separation with the Cure Shrinkage Performance. <i>Journal of Physical Chemistry B</i> , 2008, 112, 14793-14803.	2.6	50
9	A review on the emerging applications of nano-cellulose as advanced coatings. <i>Carbohydrate Polymers</i> , 2022, 282, 119123.	10.2	49
10	High performance HTLNR/epoxy blend "Phase morphology and thermo-mechanical properties. <i>Journal of Applied Polymer Science</i> , 2012, 125, 804-811.	2.6	42
11	Effect of organoclay on the gas barrier properties of natural rubber nanocomposites. <i>Polymer Composites</i> , 2012, 33, 524-531.	4.6	37
12	Preparation and properties of MWCNTs/poly(acrylonitrile-butadiene)/epoxy hybrid composites. <i>Journal of Applied Polymer Science</i> , 2013, 127, 3093-3103.	2.6	37
13	Characteristics of banana fibers and banana fiber reinforced phenol formaldehyde composites "macro scale to nanoscale. <i>Journal of Applied Polymer Science</i> , 2013, 130, 1239-1246.	2.6	33
14	Preparation and properties of multiwalled carbon nanotube/epoxy-amine composites. <i>Journal of Applied Polymer Science</i> , 2013, 127, 3063-3073.	2.6	29
15	An overview of viscoelastic phase separation in epoxy based blends. <i>Soft Matter</i> , 2020, 16, 3363-3377.	2.7	25
16	Toughness augmentation by fibrillation and yielding in nanostructured blends with recycled polyurethane as a modifier. <i>Applied Surface Science</i> , 2018, 442, 403-411.	6.1	22
17	Epoxy/methyl methacrylate acrylonitrile butadiene styrene (MABS) copolymer blends: reaction-induced viscoelastic phase separation, morphology development and mechanical properties. <i>New Journal of Chemistry</i> , 2019, 43, 9216-9225.	2.8	22
18	Mechanical and thermal properties of epoxy/silicon carbide nanofiber composites. <i>Polymers for Advanced Technologies</i> , 2015, 26, 142-146.	3.2	21

#	ARTICLE	IF	CITATIONS
19	Effect of organically modified clay on the morphology, rheology and viscoelasticity of epoxy "thermoplastic nanocomposites. <i>Polymer Testing</i> , 2018, 70, 18-29.	4.8	17
20	Mechanical properties of poly(styrene-co-acrylonitrile)-modified epoxy resin/glass fiber composites. <i>Journal of Applied Polymer Science</i> , 2008, 110, 3431-3438.	2.6	16
21	Preparation and properties of TiO ₂ -filled poly(acrylonitrile-butadiene-styrene)/epoxy hybrid composites. <i>Journal of Applied Polymer Science</i> , 2013, 127, 3159-3168.	2.6	16
22	Polyurethane glycolysate from industrial waste recycling to develop low dielectric constant, thermally stable materials suitable for the electronics. <i>Arabian Journal of Chemistry</i> , 2020, 13, 2110-2120.	4.9	13
23	Mechanical responses of epoxy/cloisite nanocomposites. <i>Materials Chemistry and Physics</i> , 2022, 281, 125755.	4.0	10
24	Poly(lactic acid)/Polyethylenimine Functionalized Mesoporous Silica Biocomposite Films for Food Packaging. <i>ACS Applied Polymer Materials</i> , 2022, 4, 4632-4642.	4.4	10
25	Self-assembled nanostructured viscoelastic and thermally stable high performance epoxy based nanomaterial for aircraft and automobile applications: An experimental and theoretical modeling approach. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 627, 127236.	4.7	8
26	Permeation of Chlorinated Hydrocarbon Vapors through High Density Polyethylene/Ethylene Propylene Diene Terpolymer Rubber Blends. <i>Separation Science and Technology</i> , 2012, 47, 811-818.	2.5	7
27	Selective Localization of MWCNT in Poly (Trimethylene Terephthalate)/Poly Ethylene Blends: Theoretical Analysis, Morphology, and Mechanical Properties. <i>Macromolecular Symposia</i> , 2018, 381, 1800104.	0.7	7
28	Compatibilization of epoxidized triblock copolymer on the generation of self-assembled nanostructured epoxies and their surface wettability. <i>Journal of Applied Polymer Science</i> , 2021, 138, 49985.	2.6	6
29	Cuprous oxide nanoparticles in epoxy network: Cure reaction, morphology, and thermal stability. <i>Polymer Engineering and Science</i> , 2015, 55, 2293-2306.	3.1	5
30	New-fangled sources of cellulose extraction: comparative study of the effectiveness of <i>Cissus latifolia</i> and <i>Ficus benghalensis</i> cellulose as a filler. <i>Materials Chemistry Frontiers</i> , 2019, 3, 2025-2031.	5.9	3
31	Bioplastics Used for Nanotechnology Applications. , 2021, , .		0