

Sabu Thomas

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

30
papers

2,012
citations

15
h-index

31
g-index

31
ext. papers

2,224
ext. citations

4.1
avg, IF

4.69
L-index

#	Paper	IF	Citations
30	Dynamic mechanical analysis of banana fiber reinforced polyester composites. <i>Composites Science and Technology</i> , 2003 , 63, 283-293	8.6	653
29	Miscibility, morphology, thermal, and mechanical properties of a DGEBA based epoxy resin toughened with a liquid rubber. <i>Polymer</i> , 2008 , 49, 278-294	3.9	364
28	Isolation and characterization of cellulose nanofibrils from <i>Helicteres isora</i> plant. <i>Industrial Crops and Products</i> , 2014 , 59, 27-34	5.9	214
27	Cure kinetics, morphology and miscibility of modified DGEBA-based epoxy resin [Effects of a liquid rubber inclusion. <i>Polymer</i> , 2007 , 48, 1695-1710	3.9	189
26	Viscoelastic behavior and reinforcement mechanism in rubber nanocomposites in the vicinity of spherical nanoparticles. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 12632-48	3.4	122
25	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	3.6	87
24	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, 14793-803	3.4	47
23	Morphological and Mechanical Characterization of Nanostructured Thermosets from Epoxy and Styrene-block-Butadiene-block-Styrene Triblock Copolymer. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 9121-9129	3.9	46
22	High performance HTLNR/epoxy blend [Phase morphology and thermo-mechanical properties. <i>Journal of Applied Polymer Science</i> , 2012 , 125, 804-811	2.9	35
21	Effect of organoclay on the gas barrier properties of natural rubber nanocomposites. <i>Polymer Composites</i> , 2012 , 33, 524-531	3	34
20	Preparation and properties of MWCNTs/poly(acrylonitrile- styrene-butadiene)/epoxy hybrid composites. <i>Journal of Applied Polymer Science</i> , 2013 , 127, 3093-3103	2.9	33
19	Preparation and properties of multiwalled carbon nanotube/epoxy-amine composites. <i>Journal of Applied Polymer Science</i> , 2013 , 127, 3063-3073	2.9	26
18	Characteristics of banana fibers and banana fiber reinforced phenol formaldehyde composites-macroscale to nanoscale. <i>Journal of Applied Polymer Science</i> , 2013 , 130, 1239-1246	2.9	23
17	Mechanical and thermal properties of epoxy/silicon carbide nanofiber composites. <i>Polymers for Advanced Technologies</i> , 2015 , 26, 142-146	3.2	19
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	6.7	19
15	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	2.9	15
14	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	3.6	14

13	Effect of organically modified clay on the morphology, rheology and viscoelasticity of epoxy thermoplastic nanocomposites. <i>Polymer Testing</i> , 2018 , 70, 18-29	4.5	14
12	Mechanical properties of poly(styrene-co-acrylonitrile)-modified epoxy resin/glass fiber composites. <i>Journal of Applied Polymer Science</i> , 2008 , 110, 3431-3438	2.9	14
11	An overview of viscoelastic phase separation in epoxy based blends. <i>Soft Matter</i> , 2020 , 16, 3363-3377	3.6	9
10	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	5.9	6
9	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	5
8	Selective Localization of MWCNT in Poly (Trimethylene Terephthalate)/Poly Ethylene Blends: Theoretical Analysis, Morphology, and Mechanical Properties. <i>Macromolecular Symposia</i> , 2018 , 381, 1800104	0.8	5
7	Cuprous oxide nanoparticles in epoxy network: Cure reaction, morphology, and thermal stability. <i>Polymer Engineering and Science</i> , 2015 , 55, 2293-2306	2.3	4
6	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	2.9	4
5	Mechanical responses of epoxy/cloisite nanocomposites. <i>Materials Chemistry and Physics</i> , 2022 , 281, 125755	4.4	3
4	A review on the emerging applications of nano-cellulose as advanced coatings.. <i>Carbohydrate Polymers</i> , 2022 , 282, 119123	10.3	3
3	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	7.8	2
2	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	5.1	2
1	Bioplastics Used for Nanotechnology Applications 2021 ,		