

# Sabu Thomas

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/8932547/sabu-thomas-publications-by-year.pdf>

**Version:** 2024-04-20

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.

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	Mechanical responses of epoxy/cloisite nanocomposites. <i>Materials Chemistry and Physics</i> , <b>2022</b> , 281, 125755	4.4	3
29	A review on the emerging applications of nano-cellulose as advanced coatings.. <i>Carbohydrate Polymers</i> , <b>2022</b> , 282, 119123	10.3	3
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> , <b>2021</b> , 138, 49985	2.9	4
27	Bioplastics Used for Nanotechnology Applications <b>2021</b> ,		
26	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> , <b>2021</b> , 627, 127236	5.1	2
25	An overview of viscoelastic phase separation in epoxy based blends. <i>Soft Matter</i> , <b>2020</b> , 16, 3363-3377	3.6	9
24	Polyurethane glycolysate from industrial waste recycling to develop low dielectric constant, thermally stable materials suitable for the electronics. <i>Arabian Journal of Chemistry</i> , <b>2020</b> , 13, 2110-2120	5.9	6
23	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> , <b>2019</b> , 43, 9216-9225	3.6	14
22	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> , <b>2019</b> , 3, 2025-2031	7.8	2
21	Toughness augmentation by fibrillation and yielding in nanostructured blends with recycled polyurethane as a modifier. <i>Applied Surface Science</i> , <b>2018</b> , 442, 403-411	6.7	19
20	Effect of organically modified clay on the morphology, rheology and viscoelasticity of epoxy thermoplastic nanocomposites. <i>Polymer Testing</i> , <b>2018</b> , 70, 18-29	4.5	14
19	Selective Localization of MWCNT in Poly (Trimethylene Terephthalate)/Poly Ethylene Blends: Theoretical Analysis, Morphology, and Mechanical Properties. <i>Macromolecular Symposia</i> , <b>2018</b> , 381, 1800104	0.8	5
18	Mechanical and thermal properties of epoxy/silicon carbide nanofiber composites. <i>Polymers for Advanced Technologies</i> , <b>2015</b> , 26, 142-146	3.2	19
17	Cuprous oxide nanoparticles in epoxy network: Cure reaction, morphology, and thermal stability. <i>Polymer Engineering and Science</i> , <b>2015</b> , 55, 2293-2306	2.3	4
16	Isolation and characterization of cellulose nanofibrils from <i>Helicteres isora</i> plant. <i>Industrial Crops and Products</i> , <b>2014</b> , 59, 27-34	5.9	214
15	Preparation and properties of multiwalled carbon nanotube/epoxy-amine composites. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 127, 3063-3073	2.9	26
14	Preparation and properties of MWCNTs/poly(acrylonitrile- styrene-butadiene)/epoxy hybrid composites. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 127, 3093-3103	2.9	33

13	Preparation and properties of TiO <sub>2</sub> -filled poly(acrylonitrile-butadiene-styrene)/epoxy hybrid composites. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 127, 3159-3168	2.9	15
12	Characteristics of banana fibers and banana fiber reinforced phenol formaldehyde composites-macroscale to nanoscale. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 130, 1239-1246	2.9	23
11	Effect of organically modified nanoclay on the miscibility, rheology, morphology and properties of epoxy/carboxyl-terminated (butadiene-co-acrylonitrile) blend. <i>Soft Matter</i> , <b>2013</b> , 9, 2899	3.6	87
10	Viscoelastic behavior and reinforcement mechanism in rubber nanocomposites in the vicinity of spherical nanoparticles. <i>Journal of Physical Chemistry B</i> , <b>2013</b> , 117, 12632-48	3.4	122
9	Morphological and Mechanical Characterization of Nanostructured Thermosets from Epoxy and Styrene-block-Butadiene-block-Styrene Triblock Copolymer. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2013</b> , 52, 9121-9129	3.9	46
8	Permeation of Chlorinated Hydrocarbon Vapors through High Density Polyethylene/Ethylene Propylene Diene Terpolymer Rubber Blends. <i>Separation Science and Technology</i> , <b>2012</b> , 47, 811-818	2.5	5
7	Effect of organoclay on the gas barrier properties of natural rubber nanocomposites. <i>Polymer Composites</i> , <b>2012</b> , 33, 524-531	3	34
6	High performance HTLNR/epoxy blend Phase morphology and thermo-mechanical properties. <i>Journal of Applied Polymer Science</i> , <b>2012</b> , 125, 804-811	2.9	35
5	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> , <b>2008</b> , 112, 14793-803	3.4	47
4	Miscibility, morphology, thermal, and mechanical properties of a DGEBA based epoxy resin toughened with a liquid rubber. <i>Polymer</i> , <b>2008</b> , 49, 278-294	3.9	364
3	Mechanical properties of poly(styrene-co-acrylonitrile)-modified epoxy resin/glass fiber composites. <i>Journal of Applied Polymer Science</i> , <b>2008</b> , 110, 3431-3438	2.9	14
2	Cure kinetics, morphology and miscibility of modified DGEBA-based epoxy resin [Effects of a liquid rubber inclusion. <i>Polymer</i> , <b>2007</b> , 48, 1695-1710	3.9	189
1	Dynamic mechanical analysis of banana fiber reinforced polyester composites. <i>Composites Science and Technology</i> , <b>2003</b> , 63, 283-293	8.6	653