

Sujith Athiyanathil

List of Publications by Year in descending order

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47
papers

875
citations

623188

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500791

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1210
citing authors

#	ARTICLE	IF	CITATIONS
1	Poly (μ -caprolactone)-based porous membranes for filtration applications—effect of solvents on precipitation kinetics, performance, and morphology. <i>Journal of Applied Polymer Science</i> , 2022, 139, 51720.	1.3	1
2	Poly ϵ -caprolactone/nanostarch composite nanofibrous wound dressing with antibacterial property and pH stimulus drug release. <i>Cellulose</i> , 2022, 29, 427-443.	2.4	9
3	Polyurethane/multi-walled carbon nanotube electrospun composite membrane for oil/water separation. <i>Journal of Applied Polymer Science</i> , 2022, 139, .	1.3	12
4	A water-mediated approach for the preparation of conductive poly(3,4-ethylenedioxythiophene)-decorated poly(methyl methacrylate) microcomposites. <i>Materials Advances</i> , 2022, 3, 3875-3884.	2.6	3
5	Antioxidant activity of mango seed wax additive on the properties of poly(lactic acid) transparent films for food packaging application. <i>Journal of Vinyl and Additive Technology</i> , 2022, 28, 305-320.	1.8	10
6	Cover Image, Volume 139, Issue 10. <i>Journal of Applied Polymer Science</i> , 2022, 139, .	1.3	0
7	Composites based on poly(ethylene-co-vinyl acetate) and silver-calcined scallop shell powder: Mechanical, thermal, photocatalytic, and antibacterial properties. <i>Journal of Elastomers and Plastics</i> , 2021, 53, 902-921.	0.7	5
8	Biodegradable composites of waste expanded polystyrene with modified neem oil for packaging applications. <i>Journal of Elastomers and Plastics</i> , 2021, 53, 975-991.	0.7	5
9	Dielectric Properties of Composites of Natural Rubber and Keratin Fibre from Chicken Feather. <i>Fibers and Polymers</i> , 2021, 22, 2588-2601.	1.1	4
10	High strength- hydrophobic MWCNT reinforced Polyurethane electrospun membrane for purification of crude biodiesel. <i>Journal of Polymer Research</i> , 2021, 28, 1.	1.2	1
11	Maleic anhydride grafted acrylonitrile butadiene styrene (ABS)/zinc oxide nanocomposite: an anti-microbial material. <i>Journal of Polymer Research</i> , 2021, 28, 1.	1.2	7
12	Molecular transport of aliphatic alcohols through expanded polystyrene—polyvinyl alcohol thin films. <i>Bulletin of Materials Science</i> , 2021, 44, 1.	0.8	0
13	β -Cyclodextrin functionalized polyurethane nano fibrous membranes for drug delivery. <i>Journal of Drug Delivery Science and Technology</i> , 2021, 65, 102759.	1.4	10
14	Barrier performance of expanded polystyrene/poly (ethylene-co-vinyl acetate) nanocomposite membrane for petrochemicals. <i>Journal of Polymer Research</i> , 2021, 28, 1.	1.2	0
15	Hydrophobic nano-bamboo fiber-reinforced acrylonitrile butadiene styrene electrospun membrane for the filtration of crude biodiesel. <i>Applied Nanoscience (Switzerland)</i> , 2020, 10, 795-806.	1.6	9
16	Mn(II) complex of a di-2-pyridyl ketone-N(4)-substituted thiosemicarbazone: Versatile biological properties and naked-eye detection of Fe ²⁺ and Ru ³⁺ ions. <i>Polyhedron</i> , 2020, 178, 114333.	1.0	7
17	Preparation and characterization of polyvinyl alcohol and starch composite reinforced with eggshell. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	2
18	Polyurethane nanofibrous membranes decorated with reduced graphene oxide—TiO ₂ for photocatalytic templates in water purification. <i>Journal of Materials Science</i> , 2020, 55, 5892-5907.	1.7	28

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19	Development of nanocomposite membranes by electrospun nanofibrous materials. , 2020, , 199-218.		8
20	4,4'-Fluoresceinoxy bisphthalonitrile (FPN)-incorporated polycaprolactone electrospun membranes: a portable sensor strip for detection of Fe ³⁺ ions. Journal of Materials Science, 2019, 54, 13433-13444.	1.7	11
21	ZnO decorated anti-bacterial electrospun ABS nanocomposite membrane for oil-water separation. Materials Letters, 2019, 256, 126626.	1.3	12
22	Polymer thin films for chromatographic separation of plant pigments. Materials Letters, 2019, 252, 321-324.	1.3	9
23	Multifunctional graphene oxide loaded nanofibrous membrane for removal of dyes and coliform from water. Journal of Environmental Management, 2019, 240, 494-503.	3.8	71
24	In-vitro evaluation on drug release kinetics and antibacterial activity of dextran modified polyurethane fibrous membrane. International Journal of Biological Macromolecules, 2019, 126, 717-730.	3.6	41
25	Effect of poly(ethylene vinyl acetate) additive on mechanical properties of maleic anhydride-grafted acrylonitrile butadiene styrene for coating applications. Journal of Vinyl and Additive Technology, 2019, 25, 287-295.	1.8	9
26	Cure, Mechanical and Swelling Properties of Biocomposites from Chicken Feather Fibre and Acrylonitrile Butadiene Rubber. Journal of Polymers and the Environment, 2018, 26, 2720-2729.	2.4	7
27	Tailored design of polyurethane based fouling-tolerant nanofibrous membrane for water treatment. New Journal of Chemistry, 2018, 42, 1958-1972.	1.4	28
28	Polyethylene-g-starch nanoparticle biocomposites: Physicochemical properties and biodegradation studies. Polymer Composites, 2018, 39, E426.	2.3	7
29	Nanochitosan enriched poly- μ -caprolactone electrospun wound dressing membranes: A fine tuning of physicochemical properties, hemocompatibility and curcumin release profile. International Journal of Biological Macromolecules, 2018, 108, 1261-1272.	3.6	54
30	Effect of unsaturation on physicochemical properties of maleic anhydride-grafted acrylonitrile butadiene styrene terpolymer. Journal of Elastomers and Plastics, 2018, 50, 520-536.	0.7	12
31	Nano in micro-architecture composite membranes for controlled drug delivery. Applied Clay Science, 2018, 166, 262-275.	2.6	12
32	Poly(L-lactide-caprolactone)/collagen electrospun mat: Potential for wound dressing and controlled drug delivery. International Journal of Polymeric Materials and Polymeric Biomaterials, 2017, 66, 645-657.	1.8	15
33	Fabrication of superhydrophobic polycaprolactone/beeswax electrospun membranes for high-efficiency oil/water separation. RSC Advances, 2017, 7, 2092-2102.	1.7	113
34	Electrospun Nanofibrous Membranes for Water Purification. Polymer Reviews, 2017, 57, 467-504.	5.3	137
35	Asymmetric membranes based on poly(vinyl chloride): effect of molecular weight of additive and solvent power on the morphology and performance. Journal of Materials Science, 2017, 52, 5708-5725.	1.7	24
36	Poly(vinyl chloride) Asymmetric Membrane Modified with Poly (ethylene glycol): Effect of Additive Concentration on the Morphology and Performance. Polymer-Plastics Technology and Engineering, 2017, 56, 1017-1025.	1.9	12

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37	The real time optical transmittance of swollen heterogeneous natural rubber/poly (ethylene-co-vinyl) Tj ETQq1 1 0.784314 rgBT /Over	0.6	0
38	Unicellular cyanobacteria (<i>Synechocystis</i>) accommodate heterotrophic bacteria with varied enzymatic and metal resistance properties. <i>Journal of Basic Microbiology</i> , 2016, 56, 845-856.	1.8	17
39	Effect of Poly(vinyl pyrrolidone) on Antifouling Properties of Asymmetric Poly(ethylene-co-vinyl alcohol) Membranes. <i>Chemical Engineering and Technology</i> , 2014, 37, 1021-1029.	0.9	11
40	Dielectric properties: a gateway to antibacterial assay—a case study of low-density polyethylene/chitosan composite films. <i>Polymer Journal</i> , 2014, 46, 422-429.	1.3	19
41	Natural dye-doped poly(methyl methacrylate) microparticles for nonlinear optics. <i>Micro and Nano Letters</i> , 2014, 9, 566-568.	0.6	6
42	Cellulose nano-particles from Pandanus: viscometric and crystallographic studies. <i>Cellulose</i> , 2013, 20, 429-438.	2.4	24
43	Organic vapor permeation through membranes based on ethylene propylene diene monomer and polyvinyl chloride. <i>Journal of Elastomers and Plastics</i> , 2012, 44, 405-418.	0.7	3
44	Bovine Serum Albumin Immobilized-Polyvinyl Alcohol Membranes: A Study Based on Sorption, Dye Release and Protein Adsorption. <i>Polymer-Plastics Technology and Engineering</i> , 2012, 51, 1351-1354.	1.9	9
45	Low density polyethylene-chitosan composites: A study based on biodegradation. <i>Chemical Engineering Journal</i> , 2012, 204-206, 114-124.	6.6	75
46	Natural Rubber/Acrylonitrile Butadiene Rubber Blend Membranes: Vapor Permeation Properties. <i>Chemical Engineering and Technology</i> , 2010, 33, 97-102.	0.9	16
47	The heterostructured nanocomposite of EPS/PVA/Ag-TiO ₂ for sewage treatment by COD removal. <i>Emergent Materials</i> , 0, , 1.	3.2	0