

Sujith Athiyanathil

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

875
citations

623188

14
h-index

500791

28
g-index

47
all docs

47
docs citations

47
times ranked

1210
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Electrospun Nanofibrous Membranes for Water Purification. <i>Polymer Reviews</i> , 2017, 57, 467-504. | 5.3 | 137 |
| 2 | Fabrication of superhydrophobic polycaprolactone/beeswax electrospun membranes for high-efficiency oil/water separation. <i>RSC Advances</i> , 2017, 7, 2092-2102. | 1.7 | 113 |
| 3 | Low density polyethylene-chitosan composites: A study based on biodegradation. <i>Chemical Engineering Journal</i> , 2012, 204-206, 114-124. | 6.6 | 75 |
| 4 | Multifunctional graphene oxide loaded nanofibrous membrane for removal of dyes and coliform from water. <i>Journal of Environmental Management</i> , 2019, 240, 494-503. | 3.8 | 71 |
| 5 | Nanochitosan enriched poly μ -caprolactone electrospun wound dressing membranes: A fine tuning of physicochemical properties, hemocompatibility and curcumin release profile. <i>International Journal of Biological Macromolecules</i> , 2018, 108, 1261-1272. | 3.6 | 54 |
| 6 | In-vitro evaluation on drug release kinetics and antibacterial activity of dextran modified polyurethane fibrous membrane. <i>International Journal of Biological Macromolecules</i> , 2019, 126, 717-730. | 3.6 | 41 |
| 7 | Tailored design of polyurethane based fouling-tolerant nanofibrous membrane for water treatment. <i>New Journal of Chemistry</i> , 2018, 42, 1958-1972. | 1.4 | 28 |
| 8 | 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 |
| 9 | Cellulose nano-particles from Pandanus: viscometric and crystallographic studies. <i>Cellulose</i> , 2013, 20, 429-438. | 2.4 | 24 |
| 10 | Asymmetric membranes based on poly(vinyl chloride): effect of molecular weight of additive and solvent power on the morphology and performance. <i>Journal of Materials Science</i> , 2017, 52, 5708-5725. | 1.7 | 24 |
| 11 | 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 |
| 12 | 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 |
| 13 | Natural Rubber/Acrylonitrile Butadiene Rubber Blend Membranes: Vapor Permeation Properties. <i>Chemical Engineering and Technology</i> , 2010, 33, 97-102. | 0.9 | 16 |
| 14 | Poly(L-lactide-co-caprolactone)/collagen electrospun mat: Potential for wound dressing and controlled drug delivery. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2017, 66, 645-657. | 1.8 | 15 |
| 15 | Poly(vinyl chloride) Asymmetric Membrane Modified with Poly (ethylene glycol): Effect of Additive Concentration on the Morphology and Performance. <i>Polymer-Plastics Technology and Engineering</i> , 2017, 56, 1017-1025. | 1.9 | 12 |
| 16 | Effect of unsaturation on physicochemical properties of maleic anhydride-grafted acrylonitrile butadiene styrene terpolymer. <i>Journal of Elastomers and Plastics</i> , 2018, 50, 520-536. | 0.7 | 12 |
| 17 | Nano in micro-architecture composite membranes for controlled drug delivery. <i>Applied Clay Science</i> , 2018, 166, 262-275. | 2.6 | 12 |
| 18 | ZnO decorated anti-bacterial electrospun ABS nanocomposite membrane for oil-water separation. <i>Materials Letters</i> , 2019, 256, 126626. | 1.3 | 12 |

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|----|--|-----|-----------|
| 19 | Polyurethane/multi-walled carbon nanotube electrospun composite membrane for oil/water separation. <i>Journal of Applied Polymer Science</i> , 2022, 139, . | 1.3 | 12 |
| 20 | 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 |
| 21 | 4,4'-Fluoresceinoxy bisphthalonitrile (FPN)-incorporated polycaprolactone electrospun membranes: a portable sensor strip for detection of Fe ³⁺ ions. <i>Journal of Materials Science</i> , 2019, 54, 13433-13444. | 1.7 | 11 |
| 22 | 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 |
| 23 | 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 |
| 24 | 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 |
| 25 | Polymer thin films for chromatographic separation of plant pigments. <i>Materials Letters</i> , 2019, 252, 321-324. | 1.3 | 9 |
| 26 | Effect of poly(ethylene-co-vinyl acetate) additive on mechanical properties of maleic anhydride-grafted acrylonitrile butadiene styrene for coating applications. <i>Journal of Vinyl and Additive Technology</i> , 2019, 25, 287-295. | 1.8 | 9 |
| 27 | 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 |
| 28 | 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 |
| 29 | Development of nanocomposite membranes by electrospun nanofibrous materials. , 2020, , 199-218. | | 8 |
| 30 | Cure, Mechanical and Swelling Properties of Biocomposites from Chicken Feather Fibre and Acrylonitrile Butadiene Rubber. <i>Journal of Polymers and the Environment</i> , 2018, 26, 2720-2729. | 2.4 | 7 |
| 31 | Polyethylene-g-starch nanoparticle biocomposites: Physicochemical properties and biodegradation studies. <i>Polymer Composites</i> , 2018, 39, E426. | 2.3 | 7 |
| 32 | 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 |
| 33 | 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 |
| 34 | Natural dye-doped poly(methyl methacrylate) microparticles for nonlinear optics. <i>Micro and Nano Letters</i> , 2014, 9, 566-568. | 0.6 | 6 |
| 35 | 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 |
| 36 | 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 |

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|----|---|-----|-----------|
| 37 | 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 |
| 38 | 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 |
| 39 | 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 |
| 40 | Preparation and characterization of polyvinyl alcohol and starch composite reinforced with eggshell. <i>AIP Conference Proceedings</i> , 2020, , . | 0.3 | 2 |
| 41 | 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 |
| 42 | Poly (ε-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 |
| 43 | The real time optical transmittance of swollen heterogeneous natural rubber/poly (ethylene-co-vinyl) Tj ETQq1 1 0.784314 rgBT /Over 0.6 | 0.6 | 0 |
| 44 | Molecular transport of aliphatic alcohols through expanded polystyrene—polyvinyl alcohol thin films. <i>Bulletin of Materials Science</i> , 2021, 44, 1. | 0.8 | 0 |
| 45 | 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 |
| 46 | The heterostructured nanocomposite of EPS/PVA/Ag-TiO2 for sewage treatment by COD removal. <i>Emergent Materials</i> , 0, , 1. | 3.2 | 0 |
| 47 | Cover Image, Volume 139, Issue 10. <i>Journal of Applied Polymer Science</i> , 2022, 139, . | 1.3 | 0 |