

Manuel Reyes De Guzman

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

788
citations

567281

15
h-index

526287

27
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30
all docs

30
docs citations

30
times ranked

480
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Increased performance and antifouling of mixed-matrix membranes of cellulose acetate with hydrophilic nanoparticles of polydopamine-sulfobetaine methacrylate for oil-water separation. <i>Journal of Membrane Science</i> , 2021, 620, 118881. | 8.2 | 103 |
| 2 | Improved performance of thin-film nanocomposite nanofiltration membranes as induced by embedded polydopamine-coated silica nanoparticles. <i>Separation and Purification Technology</i> , 2019, 224, 113-120. | 7.9 | 88 |
| 3 | Improved performance of thin-film nanofiltration membranes fabricated with the intervention of surfactants having different structures for water treatment. <i>Desalination</i> , 2020, 481, 114352. | 8.2 | 81 |
| 4 | Rendering polypropylene biocomposites antibacterial through modification with oyster shell powder. <i>Polymer</i> , 2019, 160, 265-271. | 3.8 | 61 |
| 5 | Infusing High-density Polyethylene with Graphene-Zinc Oxide to Produce Antibacterial Nanocomposites with Improved Properties. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2020, 38, 898-907. | 3.8 | 40 |
| 6 | Antibacterial nanocomposite films of poly(vinyl alcohol) modified with zinc oxide-doped multiwalled carbon nanotubes as food packaging. <i>Polymer Bulletin</i> , 2022, 79, 3847-3866. | 3.3 | 36 |
| 7 | Graphene oxide functionalized with zwitterionic copolymers as selective layers in hybrid membranes with high pervaporation performance. <i>Journal of Membrane Science</i> , 2019, 587, 117188. | 8.2 | 34 |
| 8 | Conductivity and mechanical properties of carbon black-reinforced poly(lactic acid) (PLA/CB) composites. <i>Iranian Polymer Journal (English Edition)</i> , 2021, 30, 1251-1262. | 2.4 | 34 |
| 9 | Evaluating distillers grains as bio-fillers for high-density polyethylene. <i>Journal of Polymer Research</i> , 2020, 27, 1. | 2.4 | 33 |
| 10 | Preparation and characterization of renewable composites from Polylactide and Rice husk for 3D printing applications. <i>Journal of Polymer Research</i> , 2019, 26, 1. | 2.4 | 29 |
| 11 | Characterization of network bonding created by intercalated functionalized graphene and polyvinyl alcohol in nanocomposite films for reinforced mechanical properties and barrier performance. <i>Nanotechnology</i> , 2020, 31, 385703. | 2.6 | 24 |
| 12 | Thermal Properties and Barrier Performance of Antibacterial High-Density Polyethylene Reinforced with Carboxyl Graphene-Grafted Modified High-Density Polyethylene. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 12911-12922. | 3.7 | 21 |
| 13 | Barrier performance and biodegradability of antibacterial poly(butylene adipate-co-terephthalate) nanocomposites reinforced with a new MWCNT-ZnO nanomaterial. <i>Nanotechnology</i> , 2021, 32, 485706. | 2.6 | 20 |
| 14 | Thermal properties and hydrophilicity of antibacterial poly(phenylene sulfide) nanocomposites reinforced with zinc oxide-doped multiwall carbon nanotubes. <i>Journal of Polymer Research</i> , 2022, 29, 1. | 2.4 | 18 |
| 15 | Choice of Apposite Dispersing Medium for Silica Nanoparticles Leading to Their Effective Embedment in Nanocomposite Nanofiltration Membranes. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 17937-17944. | 3.7 | 17 |
| 16 | Antibacterial Nanocomposites of Polypropylene Modified with Silver-Decorated Multiwalled Carbon Nanotubes. <i>Nano</i> , 2020, 15, 2050112. | 1.0 | 17 |
| 17 | Preparation of Antibacterial Nanocomposites of Zinc Oxide-Doped Graphene Reinforced Polypropylene with High Comprehensive Properties. <i>Nano</i> , 2021, 16, 2150026. | 1.0 | 17 |
| 18 | High-performance antibacterial nanocomposite films with a 3D network structure prepared from carboxylated graphene and modified polyvinyl alcohol. <i>Progress in Organic Coatings</i> , 2022, 166, 106805. | 3.9 | 16 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Preparation and characterization of bio-based green renewable composites from poly(lactic acid) reinforced with corn stover. <i>Journal of Polymer Research</i> , 2021, 28, 1. | 2.4 | 15 |
| 20 | Characterization of antibacterial nanocomposites of polyethylene terephthalate filled with nanosilver-doped carbon black. <i>Polymers and Polymer Composites</i> , 2021, 29, 797-806. | 1.9 | 13 |
| 21 | Barrier Properties and Hydrophobicity of Biodegradable Poly(lactic acid) Composites Reinforced with Recycled Chinese Spirits Distiller's Grains. <i>Polymers</i> , 2021, 13, 2861. | 4.5 | 13 |
| 22 | Layer-by-layer self-assembly of polyethyleneimine and poly(4-styrene sulfonic acid-co-maleic acid) forming composite polyelectrolyte membranes for pervaporation of aqueous alcohol solutions. <i>Journal of Polymer Research</i> , 2019, 26, 1. | 2.4 | 12 |
| 23 | Characterizing Attapulgitite-Reinforced Nanocomposites of Poly(lactic acid). <i>Polymer Science - Series A</i> , 2020, 62, 732-743. | 1.0 | 12 |
| 24 | A New Application of Hollow Nanosilica Added to Modified Polypropylene to Prepare Nanocomposite Films. <i>Nano</i> , 0, , 2150117. | 1.0 | 11 |
| 25 | A Dual Physical Cross-Linking Strategy to Construct Tough Hydrogels with High Strength, Excellent Fatigue Resistance, and Stretching-Induced Strengthening Effect. <i>Macromolecular Materials and Engineering</i> , 2021, 306, 2100093. | 3.6 | 9 |
| 26 | Cosolvent-Driven Interfacial Polymerization for Superior Separation Performance of Polyurea-Based Pervaporation Membrane. <i>Polymers</i> , 2021, 13, 1179. | 4.5 | 4 |
| 27 | Optimal Performance of Thin-Film Composite Nanofiltration-Like Forward Osmosis Membranes Set Off by Changing the Chemical Structure of Diamine Reacted with Trimesoyl Chloride through Interfacial Polymerization. <i>Polymers</i> , 2021, 13, 544. | 4.5 | 3 |
| 28 | Study on the Properties of Polyphenylene Sulfide/Nano-Zinc Oxide Composites. <i>Materials Science Forum</i> , 2020, 1003, 185-190. | 0.3 | 1 |