Manuel Reyes De Guzman

List of Publications by Year
in descending order

28 papers	788 citations	567281 15 h-index	526287 27 g-index
30 all docs	30 docs citations	30 times ranked	480 citing authors

#	Article	IF	Citations
1	Antibacterial nanocomposite films of poly(vinyl alcohol) modified with zinc oxide-doped multiwalled carbon nanotubes as food packaging. Polymer Bulletin, 2022, 79, 3847-3866.	3.3	36
2	Thermal properties and hydrophilicity of antibacterial poly(phenylene sulfide) nanocomposites reinforced with zinc oxide-doped multiwall carbon nanotubes. Journal of Polymer Research, 2022, 29, 1.	2.4	18
3	High-performance antibacterial nanocomposite films with a 3D network structure prepared from carboxylated graphene and modified polyvinyl alcohol. Progress in Organic Coatings, 2022, 166, 106805.	3.9	16
4	Characterization of antibacterial nanocomposites of polyethylene terephthalate filled with nanosilver-doped carbon black. Polymers and Polymer Composites, 2021, 29, 797-806.	1.9	13
5	Increased performance and antifouling of mixed-matrix membranes of cellulose acetate with hydrophilic nanoparticles of polydopamine-sulfobetaine methacrylate for oil-water separation. Journal of Membrane Science, 2021, 620, 118881.	8.2	103
6	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. Polymers, 2021, 13, 544.	4.5	3
7	Preparation of Antibacterial Nanocomposites of Zinc Oxide-Doped Graphene Reinforced Polypropylene with High Comprehensive Properties. Nano, 2021, 16, 2150026.	1.0	17
8	Cosolvent-Driven Interfacial Polymerization for Superior Separation Performance of Polyurea-Based Pervaporation Membrane. Polymers, 2021, 13, 1179.	4.5	4
9	Preparation and characterization of bio-based green renewable composites from poly(lactic acid) reinforced with corn stover. Journal of Polymer Research, 2021, 28, 1.	2.4	15
10	A Dual Physical Crossâ€Linking Strategy to Construct Tough Hydrogels with High Strength, Excellent Fatigue Resistance, and Stretchingâ€Induced Strengthening Effect. Macromolecular Materials and Engineering, 2021, 306, 2100093.	3.6	9
11	Conductivity and mechanical properties of carbon black-reinforced poly(lactic acid) (PLA/CB) composites. Iranian Polymer Journal (English Edition), 2021, 30, 1251-1262.	2.4	34
12	Thermal Properties and Barrier Performance of Antibacterial High-Density Polyethylene Reinforced with Carboxyl Graphene-Grafted Modified High-Density Polyethylene. Industrial & Engineering Chemistry Research, 2021, 60, 12911-12922.	3.7	21
13	Barrier Properties and Hydrophobicity of Biodegradable Poly(lactic acid) Composites Reinforced with Recycled Chinese Spirits Distillerâ€™s Grains. Polymers, 2021, 13, 2861.	4.5	13
14	Barrier performance and biodegradability of antibacterial poly(butylene adipate-co-terephthalate) nanocomposites reinforced with a new MWCNT-ZnO nanomaterial. Nanotechnology, 2021, 32, 485706.	2.6	20
15	Antibacterial Nanocomposites of Polypropylene Modified with Silver-Decorated Multiwalled Carbon Nanotubes. Nano, 2020, 15, 2050112.	1.0	17
16	Study on the Properties of Polyphenylene Sulfide/Nano-Zinc Oxide Composites. Materials Science Forum, 2020, 1003, 185-190.	0.3	1
17	Evaluating distillers grains as bio-fillers for high-density polyethylene. Journal of Polymer Research, 2020, 27, 1.	2.4	33
18	Infusing High-density Polyethylene with Graphene-Zinc Oxide to Produce Antibacterial Nanocomposites with Improved Properties. Chinese Journal of Polymer Science (English Edition), 2020, 38, 898-907.	3.8	40

#	Article	IF	Citations
19	Characterization of network bonding created by intercalated functionalized graphene and polyvinyl alcohol in nanocomposite films for reinforced mechanical properties and barrier performance. Nanotechnology, 2020, 31, 385703.	2.6	24
20	Improved performance of thin-film nanofiltration membranes fabricated with the intervention of surfactants having different structures for water treatment. Desalination, 2020, 481, 114352.	8.2	81
21	Characterizing Attapulgite-Reinforced Nanocomposites of Poly(lactic acid). Polymer Science - Series A, 2020, 62, 732-743.	1.0	12
22	Graphene oxide functionalized with zwitterionic copolymers as selective layers in hybrid membranes with high pervaporation performance. Journal of Membrane Science, 2019, 587, 117188.	8.2	34
23	Preparation and characterization of renewable composites from Polylactide and Rice husk for 3D printing applications. Journal of Polymer Research, 2019, 26, 1.	2.4	29
24	Choice of Apposite Dispersing Medium for Silica Nanoparticles Leading to Their Effective Embedment in Nanocomposite Nanofiltration Membranes. Industrial & Engineering Chemistry Research, 2019, 58, 17937-17944.	3.7	17
25	Improved performance of thin-film nanocomposite nanofiltration membranes as induced by embedded polydopamine-coated silica nanoparticles. Separation and Purification Technology, 2019, 224, 113-120.	7.9	88
26	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. Journal of Polymer Research, 2019, 26, 1.	2.4	12
27	Rendering polypropylene biocomposites antibacterial through modification with oyster shell powder. Polymer, 2019, 160, 265-271.	3.8	61
28	A New Application of Hollow Nanosilica Added to Modified Polypropylene to Prepare Nanocomposite Films. Nano, 0, , 2150117.	1.0	11