Pablo Gonzlez-Morones

List of Publications by Citations

32 papers	258 citations	10 h-index	14 g-index
35 ext. papers	324 ext. citations	3.3 avg, IF	2.94 L-index

#	Paper	IF	Citations
32	Enhanced Antibacterial Activity of Melt Processed Poly(propylene) Ag and Cu Nanocomposites by Argon Plasma Treatment. *Plasma Processes and Polymers*, **2014**, 11, 353-365	3.4	29
31	Oxidation of Copper Nanoparticles Protected with Different Coatings and Stored under Ambient Conditions. *Journal of Nanomaterials*, **2018**, 2018, 1-8	3.2	24
30	Ultrasound-Assist Extrusion Methods for the Fabrication of Polymer Nanocomposites Based on Polypropylene/Multi-Wall Carbon Nanotubes. *Materials*, **2015**, 8, 7900-7912	3.5	20
29	Effect of Plasma Modification of Copper Nanoparticles on their Antibacterial Properties. *Plasma Processes and Polymers*, **2014**, 11, 685-693	3.4	19
28	Sulfuric acid treatment of ground tire rubber and its effect on the mechanical and thermal properties of polypropylene composites. *Journal of Applied Polymer Science*, **2017**, 134,	2.9	18
27	Exfoliation, reduction, hybridization and polymerization mechanisms in one-step microwave-assist synthesis of nanocomposite nylon-6/graphene. *Polymer*, **2018**, 146, 73-81	3.9	15
26	Chemical Modification of Carbon Nanofibers with Plasma of Acrylic Acid. *Plasma Processes and Polymers*, **2013**, 10, 627-633	3.4	14
25	Starch-graphene oxide bionanocomposites prepared through melt mixing. *Journal of Applied Polymer Science*, **2018**, 135, 46037	2.9	13
24	Mechanical reinforcement of thermoplastic vulcanizates using ground tyre rubber modified with sulfuric acid. *Polymer Composites*, **2018**, 39, 229-237	3	12
23	Effects of multiphase transitions and reactive extrusion on in situ thermoplasticization/succination of cassava starch. *Carbohydrate Polymers*, **2019**, 225, 115250	10.3	10
22	Covalent grafting of unfunctionalized pristine MWCNT with Nylon-6 by microwave assist in-situ polymerization. *Polymer*, **2019**, 185, 121946	3.9	10
21	Early Stages of Antibacterial Damage of Metallic Nanoparticles by TEM and STEM-HAADF. *Current Nanoscience*, **2017**, 14, 54-61	1.4	9
20	Effect of Modified Hexagonal Boron Nitride Nanoparticles on the Emulsion Stability, Viscosity and Electrochemical Behavior of Nanostructured Acrylic Coatings for the Corrosion Protection of AISI 304 Stainless Steel. *Coatings*, **2020**, 10, 488	2.9	8
19	Hybridization of graphene sheets with polyethylene terephthalate through the process of in situ polymerization aided by ultrasound. *RSC Advances*, **2016**, 6, 18413-18418	3.7	7
18	Plasma Treatment ofAgaveFiber Powder and Its Effect on the Mechanical and Thermal Properties of Composites Based on Polyethylene. *International Journal of Polymer Science*, **2016**, 2016, 1-7	2.4	7
17	Preparation of Polymer Nanocomposites with Enhanced Antimicrobial Properties. *Materials Research Society Symposia Proceedings*, **2012**, 1479, 57-62		6
16	Metamaterial Behavior of Polymer Nanocomposites Based on Polypropylene/Multi-Walled Carbon Nanotubes Fabricated by Means of Ultrasound-Assisted Extrusion. *Materials*, **2016**, 9,	3.5	5

List of Publications

15	Plasma Functionalization of Carbon Nanofibers with Vapors of Ammonia/Water. *Plasma Chemistry and Plasma Processing*, **2015**, 35, 757-768	3.6	4
14	Transparent Low Electrostatic Charge Films Based on Carbon Nanotubes and Polypropylene. Homopolymer Cast Films. *Polymers*, **2018**, 10,	4.5	4
13	Performance of nylon 6 composites reinforced with modified agave fiber: Structural, morphological, and mechanical features. *Journal of Applied Polymer Science*, **2021**, 138, 50857	2.9	4
12	Ultrasound-Assisted Melt Extrusion of Polymer Nanocomposites **2019**,		4
11	Microwave-assisted esterification step of poly(ethylene terephthalate) (PET) synthesis through ethylene glycol and terephthalic acid. *Polymer Bulletin*, **2019**, 76, 2931-2944	2.4	4
10	Mechanical behavior of glass fiber-reinforced Nylon-6 syntactic foams and its Young's modulus numerical study. *Journal of Applied Polymer Science*, **2021**, 138, 50648	2.9	4
9	Covalent Functionalization of Graphene Oxide with Fructose, Starch, and Micro-Cellulose by Sonochemistry. *Polymers*, **2021**, 13,	4.5	3
8	Synthesis of reduced graphene oxide-poly(phenyleneethynylene) hybrids. A supramolecular and photophysical analyses. *Polymer*, **2017**, 122, 174-183	3.9	2
7	Plasma-modified CNFs, GPs, and their mixtures for enhanced polypropylene thermal conductivity. *Journal of Applied Polymer Science*, **2020**, 137, 49138	2.9	1
6	Graphite effect on the mechanical and fire-retardant performance of low-density polyethylene and ethylene-vinyl-acetate foam composites. *Journal of Applied Polymer Science*, **2021**, 138, 50892	2.9	1
5	Study of the dielectric heating of graphite oxide and its effect on the microwave-assisted synthesis of Nylon-6/graphite oxide polymeric hybrid nanocomposites. *Journal of Applied Polymer Science*, **2022**, 139, 51567	2.9	1
4	Back Cover: Plasma Process. Polym. 4□2014. *Plasma Processes and Polymers*, **2014**, 11, 401-401	3.4	
3	Influence of Ethylene Plasma Treatment of Agave Fiber on the Cellular Morphology and Compressive Properties of Low-Density Polyethylene/Ethylene Vinyl Acetate Copolymer/Agave Fiber Composite Foams. *International Journal of Polymer Science*, **2021**, 2021, 1-13	2.4	
2	Trends on Synthesis of Polymeric Nanocomposites Based on Green Chemistry **2021**, 1-31		
1	Trends on Synthesis of Polymeric Nanocomposites Based on Green Chemistry **2021**, 1111-1141		