JosÃ© Amir Gonzalez-Calderon

List of Publications by Year
in descending order

28 papers	245 citations	1039406 9 h-index	1058022 14 g-index
28 all docs	28 docs citations	28 times ranked	245 citing authors

#	Article	IF	Citations
1	Adsorption and dehydrogenation of 2-propanol on the surface of Î³-Al2O3-supported gold. Surface Science, 2012, 606, 1167-1172.	0.8	28
2	Functionalization of multi-walled carbon nanotubes (MWCNTs) with pimelic acid molecules: effect of linkage on Î²-crystal formation in an isotactic polypropylene (iPP) matrix. Journal of Materials Science, 2015, 50, 1457-1468.	1.7	23
3	Effective method for the synthesis of pimelic acid/TiO2 nanoparticles with a high capacity to nucleate Î²-crystals in isotactic polypropylene nanocomposites. Journal of Materials Science, 2015, 50, 7998-8006.	1.7	19
4	Improvement of the colloidal stability of titanium dioxide particles in water through silicon based coupling agent. Materials Chemistry and Physics, 2018, 217, 285-290.	2.0	19
5	Non-isothermal crystallization analysis of isotactic polypropylene filled with titanium dioxide particles modified by a dicarboxylic acid. Thermochimica Acta, 2016, 631, 8-17.	1.2	16
6	Modification of graphene oxide to induce beta crystals in isotactic polypropylene. Journal of Materials Science, 2019, 54, 427-443.	1.7	16
7	Influence of the surface modification of titanium dioxide nanoparticles TiO2 under efficiency of silver nanodots deposition and its effect under the properties of starchâ€"chitosan (SC) films. Polymer Bulletin, 2020, 77, 107-133.	1.7	14
8	Study of a Polydimethylsiloxane (PDMS) Elastomer Generated by Î³ Irradiation: Correlation Between Properties (Thermal and Mechanical) and Structure (Crosslink Density Value). Journal of Inorganic and Organometallic Polymers and Materials, 2017, 27, 622-632.	1.9	13
9	Improving titanium dioxide dispersion in water through surface functionalization by a dicarboxylic acid. Journal of Dispersion Science and Technology, 2019, 40, 1039-1045.	1.3	12
10	â€œImprovement in the energy dissipation capacity of polypropylene composites through a surface modification of titanium dioxide particles with a dicarboxylic acidâ€. Thermochimica Acta, 2018, 664, 48-56.	1.2	10
11	Chemical modification of titanium dioxide nanoparticles with dicarboxylic acids to mediate the UV degradation in polyethylene films. Polymer Bulletin, 2020, 77, 6409-6431.	1.7	8
12	Role of the chemical modification of titanium dioxide surface on the interaction with silver nanoparticles and the capability to enhance antimicrobial properties of poly(lactic acid) composites. Polymer Bulletin, 2021, 78, 2765-2790.	1.7	8
13	Which is better? Experimental and simulation analyses of the chemical modification of carbon nanotubes to improve their dispersion in water. Journal of Dispersion Science and Technology, 2021, 42, 1338-1349.	1.3	7
14	Effect of aliphatic chain in dicarboxylic acids on non-isothermal crystallization and mechanical behavior of titanium dioxide/iPP composites. Thermochimica Acta, 2020, 686, 178543.	1.2	7
15	Thermal and mechanical properties of poly(lactic acid) filled with modified silicon dioxide: importance of the surface area. Polymer Bulletin, 2022, 79, 1409-1435.	1.7	6
16	Used of Chemically Modified Titanium Dioxide Particles to Mediate the Non-isothermal Cold Crystallization of Poly(latic acid). Journal of the Mexican Chemical Society, 2020, 64, .	0.2	6
17	Silanization of di-n-octyldichlorosilane as a route to improve the integration of titanium dioxide in polypropylene. Journal of Thermal Analysis and Calorimetry, 2019, 138, 1069-1079.	2.0	5
18	Effect of H bonds on thermal behavior and cohesion in polylactic acid nanocomposites and nitrogen-doped carbon nanotubes. Journal of Materials Science, 2020, 55, 3354-3368.	1.7	5

#	Article	IF	Citations
19	Application of the response surface methodology for the evaluation of Staphylococcus aureus inhibition with Ag/TiO2 nanoparticles. Polymer Bulletin, 2022, 79, 6445-6473.	1.7	5
20	Non-isothermal crystallization behavior of isotactic polypropylene/copper nanocomposites. Journal of Thermal Analysis and Calorimetry, 2021, 143, 2919-2932.	2.0	3
21	Influence of chain length, particle size, and thermal treatment of dicarboxylic acid-functionalized titanium dioxide filler in polypropylene. Journal of Materials Research, 2021, 36, 1718-1729.	1.2	3
22	Feasibility of quercetin dietary supplement as reducing and stabilizing agent: Green route of silver nanoparticles using a bioactive flavonoid. MRS Communications, 2021, 11, 498-503.	0.8	3
23	Rheological improvement of TiO₂ nanoparticles modified by dicarboxylic acids. Journal of Dispersion Science and Technology, 2023, 44, 38-50.	1.3	2
24	Quercetin dietary supplement for the synthesis and stabilization of AgNPs in a neutral aqueous medium and their enhanced long-term antimicrobial activity. MRS Communications, 2022, 12, 188-193.	0.8	2
25	Chemical modification of TiO2 with essential oils for its application in active packaging. Polymer Bulletin, 0, , 1.	1.7	2
26	Effect of the reaction medium on the characteristics of silanized titanium dioxide particles: Differences obtained in the Zeta potential data and infrared spectra. Data in Brief, 2018, 21, 1130-1134.	0.5	1
27	Effect of chemical modification of titanium dioxide surface with dicarboxylic acid on the crystalline parameters and rheology behavior in polypropylene composites.. Data in Brief, 2018, 20, 1220-1223.	0.5	1
28	Influence of the chemical functionalization of titanium oxide nanotubes on the non-isothermal crystallization of polypropylene nanocomposites. Journal of Materials Science, 2022, 57, 5855-5872.	1.7	1