

# Claudio J Perez

## List of Publications by Year in descending order

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37  
papers

915  
citations

516561

16  
h-index

454834

30  
g-index

37  
all docs

37  
docs citations

37  
times ranked

1325  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dodecenylsuccinic anhydride modified chitosan hydrogels for the sustained delivery of hydrophobic drugs. The case of thymol buccal delivery. <i>Journal of Applied Polymer Science</i> , 2022, 139, 51432.	1.3	6
2	Tuning the antimicrobial activity of collagen biomaterials through a liposomal approach. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50330.	1.3	14
3	Collagen Hydrogels Loaded with Silver Nanoparticles and Cannabis Sativa Oil. <i>Antibiotics</i> , 2021, 10, 1420.	1.5	23
4	Dodecenylsuccinic anhydride modified collagen hydrogels loaded with simvastatin as skin wound dressings. <i>Journal of Biomedical Materials Research - Part A</i> , 2019, 107, 1999-2012.	2.1	18
5	Effect of radiation-induced oxidative degradation on the non-isothermal crystallization of ethylene-butene copolymer. <i>Polymer Degradation and Stability</i> , 2019, 170, 109001.	2.7	1
6	Smart release of antimicrobial ZnO nanoplates from a pH-responsive keratin hydrogel. <i>Journal of Colloid and Interface Science</i> , 2019, 536, 372-380.	5.0	55
7	Development of Silver Nanoparticles/Gelatin Thermo-responsive Nanocomposites: Characterization and Antimicrobial Activity. <i>Current Pharmaceutical Design</i> , 2019, 25, 4121-4129.	0.9	14
8	Riboflavin-UVA gelatin crosslinking: Design of a biocompatible and thermo-responsive biomaterial with enhanced mechanical properties for tissue engineering. <i>Advanced Materials Letters</i> , 2019, 10, 324-328.	0.3	6
9	Influence of GO reinforcement on keratin based smart hydrogel and its application for emerging pollutants removal. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 7021-7028.	3.3	20
10	Non-isothermal crystallization of poly( $\epsilon$ -caprolactone) nanocomposites with soy lecithin-modified bentonite. <i>Polymer Crystallization</i> , 2018, 1, e10020.	0.5	2
11	Development of pH-responsive biopolymer-silica composites loaded with <i>Larrea divaricata</i> Cav. extract with antioxidant activity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 169, 82-91.	2.5	26
12	Sustainable and smart keratin hydrogel with pH-sensitive swelling and enhanced mechanical properties. <i>Materials Science and Engineering C</i> , 2017, 78, 619-626.	3.8	45
13	Development and evaluation of thymol-chitosan hydrogels with antimicrobial-antioxidant activity for oral local delivery. <i>Materials Science and Engineering C</i> , 2017, 81, 588-596.	3.8	67
14	Antimicrobial Activity of Starch Hydrogel Incorporated with Copper Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 16280-16288.	4.0	128
15	Internal structure analysis of Polypropylene/quartz composites related to their toughness. <i>Polymer Composites</i> , 2016, 37, 1488-1496.	2.3	7
16	Use of SSA to detect structural changes in metallocenic ethylene/1-octene copolymers and their free radical post-reactor modifications. <i>Polymer Degradation and Stability</i> , 2016, 125, 43-48.	2.7	4
17	Chitin hydrogel reinforced with TiO <sub>2</sub> nanoparticles as an arsenic sorbent. <i>Chemical Engineering Journal</i> , 2016, 285, 581-587.	6.6	82
18	Chitin based hybrid composites reinforced with graphene derivatives: a nanoscale study. <i>RSC Advances</i> , 2015, 5, 63813-63820.	1.7	9

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19	Water soluble nanocomposite films based on poly(vinyl alcohol) and chemically modified montmorillonites. <i>Journal of Composite Materials</i> , 2014, 48, 545-553.	1.2	22
20	Preparation and characterization of micro and nanocomposites based on poly(vinyl alcohol) for packaging applications. <i>Journal of Materials Science</i> , 2013, 48, 7088-7096.	1.7	14
21	A new method for the preparation of biocompatible silica coated-collagen hydrogels. <i>Journal of Materials Chemistry B</i> , 2013, 1, 6283.	2.9	27
22	SSA study of early polyethylenes degradation stages. Effects of attack rate, of average branch length, and of backbone polymethylene sequences length distributions. <i>Polymer Degradation and Stability</i> , 2013, 98, 177-183.	2.7	11
23	Gamma irradiated LDPE in presence of oxygen. Part I. Non-isothermal crystallization. <i>Thermochimica Acta</i> , 2013, 570, 64-73.	1.2	11
24	Adhesion control for injection overmolding of elastomeric propylene copolymers on polypropylene. Effects of block and random microstructures. <i>International Journal of Adhesion and Adhesives</i> , 2013, 46, 44-55.	1.4	24
25	Crystallization behavior of random ethylene-butene copolymers modified with organic peroxide. <i>Thermochimica Acta</i> , 2012, 528, 15-22.	1.2	4
26	Prepolymerized organic-inorganic hybrid nanoparticles as fillers for light-cured methacrylate monomers. <i>Journal of Materials Science</i> , 2012, 47, 2951-2959.	1.7	9
27	Effect of different inorganic filler over isothermal and non-isothermal crystallization of polypropylene homopolymer. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012, 107, 633-643.	2.0	20
28	Depth-Profiling by Confocal Raman Microscopy (CRM): Data Correction by Numerical Techniques. <i>Applied Spectroscopy</i> , 2011, 65, 342-348.	1.2	5
29	Correction of optical distortions in dry depth profiling with confocal Raman microspectroscopy. <i>Journal of Raman Spectroscopy</i> , 2011, 42, 1330-1334.	1.2	29
30	Shape memory epoxies based on networks with chemical and physical crosslinks. <i>European Polymer Journal</i> , 2011, 47, 362-369.	2.6	111
31	Liquid-Glassy Polymer Interphases: Diffusion Kinetics in Conditions of Unlimited Liquid Supply. <i>Macromolecular Chemistry and Physics</i> , 2009, 210, 359-366.	1.1	2
32	Adhesion control for injection overmolding of polypropylene with elastomeric ethylene copolymers. <i>Polymer Engineering and Science</i> , 2009, 49, 1886-1893.	1.5	21
33	The use of SSA fractionation to detect changes in the molecular structure of model ethylene-butene copolymers modified by peroxide crosslinking. <i>Polymer Degradation and Stability</i> , 2009, 94, 1639-1645.	2.7	16
34	Modification of model ethylene-butene copolymers using an organic peroxide. <i>Polymer</i> , 2005, 46, 725-732.	1.8	10
35	Use of preimpregnated sisal yarn in woven reinforced polypropylene sheets: Thermoformability and mechanical properties. <i>Polymer Engineering and Science</i> , 2005, 45, 976-983.	1.5	1
36	Tensile mechanical behavior of linear high-density polyethylenes modified with organic peroxide. <i>Polymer Engineering and Science</i> , 2003, 43, 1624-1633.	1.5	10

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37	Rheological study of linear high density polyethylenes modified with organic peroxide. Polymer, 2002, 43, 2711-2720.	1.8	41