Maykel GonzÃ¡lez

List of Publications by Year
in descending order

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Version: 2024-02-01

71	896	586496	620720
papers	citations	16 h-index	26 g-index

71	71	71	1159
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Current progress of self-healing polymers for medical applications in tissue engineering. Iranian Polymer Journal (English Edition), 2022, 31, 7-29.	1.3	8
2	PG-150 distearate-PVA self-healing hydrogel: Potential application in tissue engineering. Materials Letters, 2022, 308, 131176.	1.3	3
3	Preparation of chitosan-graft N-hydroxyethyl acrylamide copolymers as an in vitro-engineered skin. Materials Letters, 2022, 324, 132783.	1.3	2
4	Development of films from natural sources for infections during wound healing. Cellular and Molecular Biology, 2021, 67, 96-100.	0.3	6
5	Development of a guar gum film with lysine clonixinate for periodontal treatments. Cellular and Molecular Biology, 2021, 67, 89-95.	0.3	3
6	Physicochemical and biological characterization of a xanthan gum-polyvinylpyrrolidone hydrogel obtained by gamma irradiation. Cellular and Molecular Biology, 2021, 67, 73.	0.3	0
7	Synthesis by gamma irradiation of hyaluronic acid-polyvinyl alcohol hydrogel for biomedical applications. Cellular and Molecular Biology, 2021, 67, 58-63.	0.3	5
8	Development of a xanthan gum film for the possible treatment of vaginal infections. Cellular and Molecular Biology, 2021, 67, 80-88.	0.3	4
9	The influence of lightâ€curing time on fluoride release, surface topography, and bacterial adhesion in resinâ€modified glass ionomer cements: <scp>AFM</scp> and <scp>SEM</scp> in vitro study. Microscopy Research and Technique, 2021, 84, 1628-1637.	1.2	4
10	Plasma-induced customizable poly(ester-urethane) surface for cell culture platforms. Materials Today Communications, 2021, 26, 101891.	0.9	0
11	Plasma Functionalized Scaffolds of Polyhydroxybutyrate Electrospun Fibers for Pancreatic Beta Cell Cultures. Frontiers in Materials, 2021, 8, .	1.2	10
12	Insights into Terminal Sterilization Processes of Nanoparticles for Biomedical Applications. Molecules, 2021, 26, 2068.	1.7	19
13	A NEW FORMULATION OF CINNAMON OIL AND CHITOSAN DEPOLYMERIZED AGAINST OPPORTUNISTIC MICROORGANISMS DURING WOUND HEALING. Farmacia, 2021, 69, 509-514.	0.1	1
14	Non-Ionic Surfactants for Stabilization of Polymeric Nanoparticles for Biomedical Uses. Materials, 2021, 14, 3197.	1.3	81
15	Therapeutic Applications of Terpenes on Inflammatory Diseases. Frontiers in Pharmacology, 2021, 12, 704197.	1.6	40
16	Gamma radiation-induced grafting of poly(2-aminoethyl methacrylate) onto chitosan: A comprehensive study of a polyurethane scaffold intended for skin tissue engineering. Carbohydrate Polymers, 2021, 270, 117916.	5.1	8
17	Radiation-induced graft polymerization of elastin onto polyvinylpyrrolidone as a possible wound dressing. Cellular and Molecular Biology, 2021, 67, 64-72.	0.3	2
18	Curcumin for parkinsonÂ´s disease: potential therapeutic effects, molecular mechanisms, and nanoformulations to enhance its efficacy. Cellular and Molecular Biology, 2021, 67, 101.	0.3	6

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19	A poly (saccharide-ester-urethane) scaffold for mammalian cell growth. Cellular and Molecular Biology, 2021, 67, 113-117.	0.3	0
20	Pharmacological treatments for cutaneous manifestations of inherited ichthyoses. Archives of Dermatological Research, 2020, 312, 237-248.	1.1	9
21	3D-composite scaffolds from radiation-induced chitosan grafted poly(3-hydroxybutyrate) polyurethane. Materials Today Communications, 2020, 23, 100902.	0.9	13
22	Chitosan-decorated nanoparticles for drug delivery. Journal of Drug Delivery Science and Technology, 2020, 59, 101896.	1.4	43
23	A Reevaluation of Chitosan-Decorated Nanoparticles to Cross the Blood-Brain Barrier. Membranes, 2020, 10, 212.	1.4	39
24	RECENT ADVANCES IN ELASTIN-BASED BIOMATERIALS. Journal of Pharmacy and Pharmaceutical Sciences, 2020, 23, 314-332.	0.9	20
25	Curcumin-loaded poly-Îµ-caprolactone nanoparticles show antioxidant and cytoprotective effects in the presence of reactive oxygen species. Journal of Bioactive and Compatible Polymers, 2020, 35, 270-285.	0.8	11
26	Gamma radiation-induced grafting of n-hydroxyethyl acrylamide onto poly(3-hydroxybutyrate): A companion study on its polyurethane scaffolds meant for potential skin tissue engineering applications. Materials Science and Engineering C, 2020, 116, 111176.	3.8	9
27	Assessment of biocompatibility and surface topography of poly(ester urethane)â€“silica nanocomposites reveals multifunctional properties. Materials Letters, 2020, 276, 128269.	1.3	3
28	Surface tailoring for poly(ester-urethane) scaffold via plasma radiation-induced graft polymerization of N-hydroxyethyl acrylamide. Materials Letters, 2020, 270, 127745.	1.3	10
29	Repurposing of Drug Candidates for Treatment of Skin Cancer. Frontiers in Oncology, 2020, 10, 605714.	1.3	17
30	Xanthan gum in drug release. Cellular and Molecular Biology, 2020, 66, 199-207.	0.3	35
31	Vestibular Alveolar bone height measurement: Accuracy and Correlation between direct and indirect techniques.. Acta OdontolÃ³gica Latinoamericana: AOL, 2020, 33, 22-26.	0.1	1
32	Insights into the application of polyhydroxyalkanoates derivatives from the combination of experimental and simulation approaches. Journal of Molecular Structure, 2019, 1175, 536-541.	1.8	6
33	Development and Evaluation of Alginate Membranes with Curcumin-Loaded Nanoparticles for Potential Wound-Healing Applications. Pharmaceutics, 2019, 11, 389.	2.0	36
34	Synthesis, characterization, and in vitro evaluation of gamma radiation-induced PEGylated isoniazid. Electronic Journal of Biotechnology, 2019, 41, 81-87.	1.2	2
35	Polyurethane/urea composite scaffolds based on poly(3-hydroxybutyrate-g-2-amino-ethyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	5.9	6
36	Modifications in Vaginal Microbiota and Their Influence on Drug Release: Challenges and Opportunities. Pharmaceutics, 2019, 11, 217.	2.0	39

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37	Formulations of Curcumin Nanoparticles for Brain Diseases. Biomolecules, 2019, 9, 56.	1.8	112
38	The roughness of deciduous dentin surface and shear bond strength of glass ionomers in the treatment with four minimally invasive techniques. RSC Advances, 2019, 9, 32197-32204.	1.7	1
39	Nonâ€invasive analysis of skin mechanical properties in patients with lamellar ichthyosis. Skin Research and Technology, 2019, 25, 375-381.	0.8	8
40	Comprehensive mapping of human body skin hydration: A pilot study. Skin Research and Technology, 2019, 25, 187-193.	0.8	7
41	Biological activity of radiation-induced collagenâ€“polyvinylpyrrolidoneâ€“PEG hydrogels. Materials Letters, 2018, 214, 224-227.	1.3	22
42	Colloidal aggregation induced by the reduction in <scp>pH</scp> and the synthesis of new molecular structures during the milk fermentation process. International Journal of Dairy Technology, 2018, 71, 56-63.	1.3	0
43	Synthesis of gamma radiation-induced PEGylated cisplatin for cancer treatment. RSC Advances, 2018, 8, 34718-34725.	1.7	6
44	Bulk Modification of Poly(lactide) (PLA) via Copolymerization with Poly(propylene glycol) Diglycidylether (PPGDGE). Polymers, 2018, 10, 1184.	2.0	14
45	Poly(3-hydroxybutyrate) graft copolymer dense membranes for human mesenchymal stem cell growth. Electronic Journal of Biotechnology, 2018, 34, 59-66.	1.2	6
46	Morphology-controlled silicon oxide particles produced by red wiggler worms. Powder Technology, 2017, 310, 205-212.	2.1	7
47	Transformation kinetics of fermented milk using Lactobacillus casei (Lc1) and Streptococcus thermophilus: comparison of results with other Inocula. Journal of Dairy Research, 2017, 84, 102-108.	0.7	0
48	A novel dual mechanism in dye-sensitized solar cells. International Journal of Energy Research, 2017, 41, 1164-1170.	2.2	12
49	A new study of the kinetics of curd production in the process of cheese manufacture. Journal of Dairy Research, 2017, 84, 479-483.	0.7	2
50	Validation of a method to quantify platinum in cisplatin by inductively-coupled plasma. Chemistry and Chemical Technology, 2017, 11, 437-444.	0.2	2
51	Nanostructured Thin Films Obtained from Fischer Aminocarbene Complexes. Materials, 2016, 9, 167.	1.3	3
52	Piezoelectric properties of synthetic hydroxyapatite-based organic-inorganic hydrated materials. Results in Physics, 2016, 6, 925-932.	2.0	21
53	Membranes of chitosan grafted onto poly(3-hydroxybutyrate): new insights into their applicability as scaffolds. Materials Research Innovations, 2016, 20, 37-43.	1.0	4
54	Novel Poly(3-hydroxybutyrate-g-vinyl alcohol) Polyurethane Scaffold for Tissue Engineering. Scientific Reports, 2016, 6, 31140.	1.6	19

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55	Surface modification of poly(3-hydroxybutyrate- co -3-hydroxyvalerate) by direct plasma-radiation-induced graft polymerization of N-hydroxyethyl-acrylamide. Materials Letters, 2016, 175, 252-257.	1.3	7
56	Synthesis and characterization of a HAp-based biomarker with controlled drug release for breast cancer. Materials Science and Engineering C, 2016, 61, 801-808.	3.8	16
57	Growth of hydroxyapatite on the cellular membrane of the bacterium Bacillus thuringiensis for the preparation of hybrid biomaterials. Materials Science and Engineering C, 2016, 58, 614-621.	3.8	5
58	Adsorption of lead ions in contaminated water using commercial hydrophilic silica nanoparticles. International Journal of Environment and Pollution, 2015, 58, 215.	0.2	1
59	Determination of lead ion removal from a flowing electrolyte in the presence of a magnetic field using Raman spectroscopy. Medical Physics, 2015, 42, 6182-6189.	1.6	0
60	Preparation and Characterization of Natural Zeolite Modified with Iron Nanoparticles. Journal of Nanomaterials, 2015, 2015, 1-8.	1.5	25
61	Tribological and Mechanical Properties of Poly[(R)-3-hydroxybutyric acid] Grafted with Vinyl Compounds: Insight into Possible Application. International Journal of Polymer Analysis and Characterization, 2015, 20, 469-479.	0.9	5
62	Crystalline and spectroscopic characterization of poly(2-aminoethyl methacrylate hydrochloride) chains grafted onto poly[(R)-3-hydroxybutyric acid]. Vibrational Spectroscopy, 2015, 76, 55-62.	1.2	9
63	Transformation Kinetics During Fermented Milk Production Using Lactobacillus Johnsonii (La1) and Streptococcus Thermophillus: A Comparison With Yogurt Inoculum. Food Biophysics, 2015, 10, 375-384.	1.4	2
64	Radiation-induced graft polymerization of chitosan onto poly(3-hydroxybutyrate). Carbohydrate Polymers, 2015, 133, 482-492.	5.1	23
65	Effects of solvents on the radiation grafting reaction of vinyl compounds on poly (3-hydroxybutyrate). Radiation Physics and Chemistry, 2015, 108, 87-94.	1.4	11
66	Structure, mechanism and application of vinyl alcohol oligomers grafted onto poly(3-hydroxybutyrate): a proposal. E-Polymers, 2014, 14, 397-405.	1.3	4
67	Adsorption and Removal of Cadmium Ions from Simulated Wastewater Using Commercial Hydrophilic and Hydrophobic Silica Nanoparticles: a Comparison with Solâ€“gel Particles. Water, Air, and Soil Pollution, 2014, 225, 1.	1.1	7
68	Effects of Solvent on Gamma Radiationâ€“Induced Graft Copolymerization of Acrylamide onto Poly (3-hydroxybutyrate). International Journal of Polymer Analysis and Characterization, 2011, 16, 399-415.	0.9	3
69	Radiation-Induced Graft Copolymerization of Metacrylic Acid and Butyl Methacrylate onto Poly(3-hydroxybutyrate). International Journal of Polymer Analysis and Characterization, 2009, 14, 179-195.	0.9	11
70	Effect of Solvents on Gamma Radiationâ€“Induced Graft Copolymerization of Vinyl Acetate onto Poly(3-hydroxybutyrate). International Journal of Polymer Analysis and Characterization, 2009, 14, 231-245.	0.9	9
71	Radiation-Induced Graft Copolymerization of Vinyl Acetate onto Poly(3-hydroxybutyrate): Synthesis and Characterization. International Journal of Polymer Analysis and Characterization, 2008, 13, 376-392.	0.9	11