# Maykel GonzÃ¡lez

List of Publications by Year
in descending order



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|---|---|---|---|
| 71 papers | 896 citations | 516710 16 h-index | 552781 26 g-index |
| 71 all docs | 71 docs citations | 71 times ranked | 1071 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. | 2.4 | 8 |
| 2 | PG-150 distearate-PVA self-healing hydrogel: Potential application in tissue engineering. Materials Letters, 2022, 308, 131176. | 2.6 | 3 |
| 3 | Preparation of chitosan-graft N-hydroxyethyl acrylamide copolymers as an in vitro-engineered skin. Materials Letters, 2022, 324, 132783. | 2.6 | 2 |
| 4 | Development of films from natural sources for infections during wound healing. Cellular and Molecular Biology, 2021, 67, 96-100. | 0.9 | 6 |
| 5 | Development of a guar gum film with lysine clonixinate for periodontal treatments. Cellular and Molecular Biology, 2021, 67, 89-95. | 0.9 | 3 |
| 6 | Physicochemical and biological characterization of a xanthan gum-polyvinylpyrrolidone hydrogel obtained by gamma irradiation. Cellular and Molecular Biology, 2021, 67, 73. | 0.9 | 0 |
| 7 | Synthesis by gamma irradiation of hyaluronic acid-polyvinyl alcohol hydrogel for biomedical applications. Cellular and Molecular Biology, 2021, 67, 58-63. | 0.9 | 5 |
| 8 | Development of a xanthan gum film for the possible treatment of vaginal infections. Cellular and Molecular Biology, 2021, 67, 80-88. | 0.9 | 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. | 2.2 | 4 |
| 10 | Plasma-induced customizable poly(ester-urethane) surface for cell culture platforms. Materials Today Communications, 2021, 26, 101891. | 1.9 | 0 |
| 11 | Plasma Functionalized Scaffolds of Polyhydroxybutyrate Electrospun Fibers for Pancreatic Beta Cell Cultures. Frontiers in Materials, 2021, 8, . | 2.4 | 10 |
| 12 | Insights into Terminal Sterilization Processes of Nanoparticles for Biomedical Applications. Molecules, 2021, 26, 2068. | 3.8 | 19 |
| 13 | A NEW FORMULATION OF CINNAMON OIL AND CHITOSAN DEPOLYMERIZED AGAINST OPPORTUNISTIC MICROORGANISMS DURING WOUND HEALING. Farmacia, 2021, 69, 509-514. | 0.4 | 1 |
| 14 | Non-Ionic Surfactants for Stabilization of Polymeric Nanoparticles for Biomedical Uses. Materials, 2021, 14, 3197. | 2.9 | 81 |
| 15 | Therapeutic Applications of Terpenes on Inflammatory Diseases. Frontiers in Pharmacology, 2021, 12, 704197. | 3.5 | 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. | 10.2 | 8 |
| 17 | Radiation-induced graft polymerization of elastin onto polyvinylpyrrolidone as a possible wound dressing. Cellular and Molecular Biology, 2021, 67, 64-72. | 0.9 | 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. | 0.9 | 6 |

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|---|---|---|---|
| 19 | A poly (saccharide-ester-urethane) scaffold for mammalian cell growth. Cellular and Molecular Biology, 2021, 67, 113-117. | 0.9 | 0 |
| 20 | Pharmacological treatments for cutaneous manifestations of inherited ichthyoses. Archives of Dermatological Research, 2020, 312, 237-248. | 1.9 | 9 |
| 21 | 3D-composite scaffolds from radiation-induced chitosan grafted poly(3-hydroxybutyrate) polyurethane. Materials Today Communications, 2020, 23, 100902. | 1.9 | 13 |
| 22 | Chitosan-decorated nanoparticles for drug delivery. Journal of Drug Delivery Science and Technology, 2020, 59, 101896. | 3.0 | 43 |
| 23 | A Reevaluation of Chitosan-Decorated Nanoparticles to Cross the Blood-Brain Barrier. Membranes, 2020, 10, 212. | 3.0 | 39 |
| 24 | RECENT ADVANCES IN ELASTIN-BASED BIOMATERIALS. Journal of Pharmacy and Pharmaceutical Sciences, 2020, 23, 314-332. | 2.1 | 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. | 2.1 | 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. | 7.3 | 9 |
| 27 | Assessment of biocompatibility and surface topography of poly(ester urethane)â€“silica nanocomposites reveals multifunctional properties. Materials Letters, 2020, 276, 128269. | 2.6 | 3 |
| 28 | Surface tailoring for poly(ester-urethane) scaffold via plasma radiation-induced graft polymerization of N-hydroxyethyl acrylamide. Materials Letters, 2020, 270, 127745. | 2.6 | 10 |
| 29 | Repurposing of Drug Candidates for Treatment of Skin Cancer. Frontiers in Oncology, 2020, 10, 605714. | 2.8 | 17 |
| 30 | Xanthan gum in drug release. Cellular and Molecular Biology, 2020, 66, 199-207. | 0.9 | 35 |
| 31 | Vestibular Alveolar bone height measurement: Accuracy and Correlation between direct and indirect techniques.. Acta OdontolÃ³gica Latinoamericana: AOL, 2020, 33, 22-26. | 0.4 | 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. | 3.6 | 6 |
| 33 | Development and Evaluation of Alginate Membranes with Curcumin-Loaded Nanoparticles for Potential Wound-Healing Applications. Pharmaceutics, 2019, 11, 389. | 4.5 | 36 |
| 34 | Synthesis, characterization, and in vitro evaluation of gamma radiation-induced PEGylated isoniazid. Electronic Journal of Biotechnology, 2019, 41, 81-87. | 2.2 | 2 |
| 35 | Polyurethane/urea composite scaffolds based on poly(3-hydroxybutyrate-g-2-amino-ethyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf | 12.0 | 6 |
| 36 | Modifications in Vaginal Microbiota and Their Influence on Drug Release: Challenges and Opportunities. Pharmaceutics, 2019, 11, 217. | 4.5 | 39 |

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|---|---|---|---|
| 37 | Formulations of Curcumin Nanoparticles for Brain Diseases. Biomolecules, 2019, 9, 56. | 4.0 | 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. | 3.6 | 1 |
| 39 | Nonâ€invasive analysis of skin mechanical properties in patients with lamellar ichthyosis. Skin Research and Technology, 2019, 25, 375-381. | 1.6 | 8 |
| 40 | Comprehensive mapping of human body skin hydration: A pilot study. Skin Research and Technology, 2019, 25, 187-193. | 1.6 | 7 |
| 41 | Biological activity of radiation-induced collagenâ€“polyvinylpyrrolidoneâ€“PEG hydrogels. Materials Letters, 2018, 214, 224-227. | 2.6 | 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. | 2.8 | 0 |
| 43 | Synthesis of gamma radiation-induced PEGylated cisplatin for cancer treatment. RSC Advances, 2018, 8, 34718-34725. | 3.6 | 6 |
| 44 | Bulk Modification of Poly(lactide) (PLA) via Copolymerization with Poly(propylene glycol) Diglycidylether (PPGDGE). Polymers, 2018, 10, 1184. | 4.5 | 14 |
| 45 | Poly(3-hydroxybutyrate) graft copolymer dense membranes for human mesenchymal stem cell growth. Electronic Journal of Biotechnology, 2018, 34, 59-66. | 2.2 | 6 |
| 46 | Morphology-controlled silicon oxide particles produced by red wiggler worms. Powder Technology, 2017, 310, 205-212. | 4.2 | 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. | 1.4 | 0 |
| 48 | A novel dual mechanism in dye-sensitized solar cells. International Journal of Energy Research, 2017, 41, 1164-1170. | 4.5 | 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. | 1.4 | 2 |
| 50 | Validation of a method to quantify platinum in cisplatin by inductively-coupled plasma. Chemistry and Chemical Technology, 2017, 11, 437-444. | 1.1 | 2 |
| 51 | Nanostructured Thin Films Obtained from Fischer Aminocarbene Complexes. Materials, 2016, 9, 167. | 2.9 | 3 |
| 52 | Piezoelectric properties of synthetic hydroxyapatite-based organic-inorganic hydrated materials. Results in Physics, 2016, 6, 925-932. | 4.1 | 21 |
| 53 | Membranes of chitosan grafted onto poly(3-hydroxybutyrate): new insights into their applicability as scaffolds. Materials Research Innovations, 2016, 20, 37-43. | 2.3 | 4 |
| 54 | Novel Poly(3-hydroxybutyrate-g-vinyl alcohol) Polyurethane Scaffold for Tissue Engineering. Scientific Reports, 2016, 6, 31140. | 3.3 | 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. | 2.6 | 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. | 7.3 | 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. | 7.3 | 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. | 3.0 | 0 |
| 60 | Preparation and Characterization of Natural Zeolite Modified with Iron Nanoparticles. Journal of Nanomaterials, 2015, 2015, 1-8. | 2.7 | 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. | 1.9 | 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. | 2.2 | 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. | 3.0 | 2 |
| 64 | Radiation-induced graft polymerization of chitosan onto poly(3-hydroxybutyrate). Carbohydrate Polymers, 2015, 133, 482-492. | 10.2 | 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. | 2.8 | 11 |
| 66 | Structure, mechanism and application of vinyl alcohol oligomers grafted onto poly(3-hydroxybutyrate): a proposal. E-Polymers, 2014, 14, 397-405. | 3.0 | 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. | 2.4 | 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. | 1.9 | 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. | 1.9 | 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. | 1.9 | 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. | 1.9 | 11 |