Gerardo Leyva-GÃ³mez

List of Publications by Year
in descending order

91 papers	1,556 citations	331670 21 h-index	361022 35 g-index
91 all docs	91 docs citations	91 times ranked	1938 citing authors

#	Article	IF	Citations
1	Pharmacological Properties of Chalcones: A Review of Preclinical Including Molecular Mechanisms and Clinical Evidence. Frontiers in Pharmacology, 2020, 11, 592654.	3.5	140
2	Formulations of Curcumin Nanoparticles for Brain Diseases. Biomolecules, 2019, 9, 56.	4.0	112
3	Non-Ionic Surfactants for Stabilization of Polymeric Nanoparticles for Biomedical Uses. Materials, 2021, 14, 3197.	2.9	81
4	Nanoparticle technology for treatment of Parkinson's disease: the role of surface phenomena in reaching the brain. Drug Discovery Today, 2015, 20, 824-837.	6.4	77
5	Approaches in Polymeric Nanoparticles for Vaginal Drug Delivery: A Review of the State of the Art. International Journal of Molecular Sciences, 2018, 19, 1549.	4.1	70
6	Therapeutic Applications of Curcumin Nanomedicine Formulations in Cardiovascular Diseases. Journal of Clinical Medicine, 2020, 9, 746.	2.4	57
7	Cordyceps spp.: A Review on Its Immune-Stimulatory and Other Biological Potentials. Frontiers in Pharmacology, 2020, 11, 602364.	3.5	57
8	Chitosan-decorated nanoparticles for drug delivery. Journal of Drug Delivery Science and Technology, 2020, 59, 101896.	3.0	43
9	Therapeutic Applications of Terpenes on Inflammatory Diseases. Frontiers in Pharmacology, 2021, 12, 704197.	3.5	40
10	Modifications in Vaginal Microbiota and Their Influence on Drug Release: Challenges and Opportunities. Pharmaceutics, 2019, 11, 217.	4.5	39
11	A Reevaluation of Chitosan-Decorated Nanoparticles to Cross the Blood-Brain Barrier. Membranes, 2020, 10, 212.	3.0	39
12	Hyaluronic acid in wound dressings. Cellular and Molecular Biology, 2020, 66, 191-198.	0.9	39
13	Development and Evaluation of Alginate Membranes with Curcumin-Loaded Nanoparticles for Potential Wound-Healing Applications. Pharmaceutics, 2019, 11, 389.	4.5	36
14	Effect of UV and Gamma Irradiation Sterilization Processes in the Properties of Different Polymeric Nanoparticles for Biomedical Applications. Materials, 2020, 13, 1090.	2.9	35
15	Xanthan gum in drug release. Cellular and Molecular Biology, 2020, 66, 199-207.	0.9	35
16	Resveratrol-Based Nanoformulations as an Emerging Therapeutic Strategy for Cancer. Frontiers in Molecular Biosciences, 2021, 8, 649395.	3.5	34
17	InÂvitro cell uptake evaluation of curcumin-loaded PCL/F68 nanoparticles for potential application in neuronal diseases. Journal of Drug Delivery Science and Technology, 2019, 52, 905-914.	3.0	33
18	Nanoparticle Formulation Improves the Anticonvulsant Effect of Clonazepam on the Pentylenetetrazole-Induced Seizures: Behavior and Electroencephalogram. Journal of Pharmaceutical Sciences, 2014, 103, 2509-2519.	3.3	30

#	Article	IF	Citations
19	Nanoremediation: Nanomaterials and Nanotechnologies for Environmental Cleanup. Frontiers in Environmental Science, 2021, 9, .	3.3	30
20	Controlled release of ferulic acid from a hybrid hydrotalcite and its application as an antioxidant for human fibroblasts. Microporous and Mesoporous Materials, 2013, 181, 1-7.	4.4	29
21	A novel hydrogel of poloxamer 407 and chitosan obtained by gamma irradiation exhibits physicochemical properties for wound management. Materials Science and Engineering C, 2017, 74, 36-46.	7.3	24
22	Biological activity of radiation-induced collagenâ€“polyvinylpyrrolidoneâ€“PEG hydrogels. Materials Letters, 2018, 214, 224-227.	2.6	22
23	Alterations in mental health and quality of life in patients with skin disorders: a narrative review. International Journal of Dermatology, 2022, 61, 783-791.	1.0	21
24	RECENT ADVANCES IN ELASTIN-BASED BIOMATERIALS. Journal of Pharmacy and Pharmaceutical Sciences, 2020, 23, 314-332.	2.1	20
25	Solid Lipid Nanoparticles: An Approach to Improve Oral Drug Delivery. Journal of Pharmacy and Pharmaceutical Sciences, 2021, 24, 509-532.	2.1	20
26	Insights into Terminal Sterilization Processes of Nanoparticles for Biomedical Applications. Molecules, 2021, 26, 2068.	3.8	19
27	Repurposing of Drug Candidates for Treatment of Skin Cancer. Frontiers in Oncology, 2020, 10, 605714.	2.8	17
28	Design and Evaluation of pH-Dependent Nanosystems Based on Cellulose Acetate Phthalate, Nanoparticles Loaded with Chlorhexidine for Periodontal Treatment. Pharmaceutics, 2019, 11, 604.	4.5	16
29	Controlled Transdermal Release of Antioxidant Ferulate by a Porous Sc(III) MOF. IScience, 2020, 23, 101156.	4.1	16
30	Nanoparticulate strategies for the treatment of polyglutamine diseases by halting the protein aggregation process. Drug Development and Industrial Pharmacy, 2017, 43, 871-888.	2.0	15
31	Antioxidant potential of family Cucurbitaceae with special emphasis on Cucurbita genus: A key to alleviate oxidative stressâ€mediated disorders. Phytotherapy Research, 2021, 35, 3533-3557.	5.8	14
32	Nanoparticle infiltration to prepare solvent-free controlled drug delivery systems. International Journal of Pharmaceutics, 2009, 371, 177-181.	5.2	12
33	Physicochemical and Functional Characterization of the Collagenâ€“Polyvinylpyrrolidone Copolymer. Journal of Physical Chemistry B, 2014, 118, 9272-9283.	2.6	12
34	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
35	D₂ autoreceptor switches CB₂ receptor effects on [³H]â€dopamine release in the striatum. Synapse, 2020, 74, e22139.	1.2	10
36	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

#	Article	IF	Citations
37	Nanotechnology As Potential Tool for siRNA Delivery in Parkinson's Disease. Current Drug Targets, 2017, 18, 1866-1879.	2.1	10
38	Pharmacological treatments for cutaneous manifestations of inherited ichthyoses. Archives of Dermatological Research, 2020, 312, 237-248.	1.9	9
39	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
40	Implementation of the emulsification-diffusion method by solvent displacement for polystyrene nanoparticles prepared from recycled material. RSC Advances, 2021, 11, 2226-2234.	3.6	9
41	The emulsification-diffusion method to obtain polymeric nanoparticles. , 2018, , 51-83.		9
42	Effects of UV-C and Edible Nano-Coating as a Combined Strategy to Preserve Fresh-Cut Cucumber. Polymers, 2021, 13, 3705.	4.5	9
43	Nonâ€invasive analysis of skin mechanical properties in patients with lamellar ichthyosis. Skin Research and Technology, 2019, 25, 375-381.	1.6	8
44	Sulfadiazine hosted in MIL-53(Al) as a biocide topical delivery system. RSC Advances, 2020, 10, 25645-25651.	3.6	8
45	High prevalence of autosomal recessive congenital ichthyosis in a Mexican population caused by a new mutation in the TGM1 gene: epidemiological evidence of a founder effect. International Journal of Dermatology, 2020, 59, 969-977.	1.0	8
46	Current progress of self-healing polymers for medical applications in tissue engineering. Iranian Polymer Journal (English Edition), 2022, 31, 7-29.	2.4	8
47	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
48	Novel drug delivery systems based on the encapsulation of superparamagnetic nanoparticles into lipid nanocomposites. Journal of Drug Delivery Science and Technology, 2018, 46, 259-267.	3.0	7
49	Comprehensive mapping of human body skin hydration: A pilot study. Skin Research and Technology, 2019, 25, 187-193.	1.6	7
50	Increased risk of depression and impairment in quality of life in patients with lamellar ichthyosis. Dermatologic Therapy, 2021, 34, e14628.	1.7	7
51	Genus Viburnum: Therapeutic Potentialities and Agro-Food-Pharma Applications. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-26.	4.0	7
52	Stability Phenomena Associated with the Development of Polymer-Based Nanopesticides. Oxidative Medicine and Cellular Longevity, 2022, 2022, 1-15.	4.0	7
53	Indole-3-Carbinol, a Phytochemical Aryl Hydrocarbon Receptor-Ligand, Induces the mRNA Overexpression of UBE2L3 and Cell Proliferation Arrest. Current Issues in Molecular Biology, 2022, 44, 2054-2068.	2.4	7
54	Synthesis of gamma radiation-induced PEGylated cisplatin for cancer treatment. RSC Advances, 2018, 8, 34718-34725.	3.6	6

#	Article	IF	Citations
55	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
56	Non-invasive methods for evaluation of skin manifestations in patients with ichthyosis. Archives of Dermatological Research, 2020, 312, 231-236.	1.9	6
57	Development of films from natural sources for infections during wound healing. Cellular and Molecular Biology, 2021, 67, 96-100.	0.9	6
58	New Perspectives of Gene Therapy on Polyglutamine Spinocerebellar Ataxias: From Molecular Targets to Novel Nanovectors. Pharmaceutics, 2021, 13, 1018.	4.5	6
59	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
60	Blockade of Intranigral and Systemic D3 Receptors Stimulates Motor Activity in the Rat Promoting a Reciprocal Interaction Among Glutamate, Dopamine, and GABA. Biomolecules, 2019, 9, 511.	4.0	5
61	Synthesis by gamma irradiation of hyaluronic acid-polyvinyl alcohol hydrogel for biomedical applications. Cellular and Molecular Biology, 2021, 67, 58-63.	0.9	5
62	New copolymers as hosts of ribosomal RNA. BMC Chemistry, 2019, 13, 33.	3.8	4
63	Dopamine D4 receptor modulates inhibitory transmission in pallidoâ€pallidal terminals and regulates motor behavior. European Journal of Neuroscience, 2020, 52, 4563-4585.	2.6	4
64	Coexistence of D₃R typical and atypical signaling in striatonigral neurons during dopaminergic denervation. Correlation with D₃nf expression changes. Synapse, 2020, 74, e22152.	1.2	4
65	Natural Polymers in Pharmaceutical Nanotechnology. Materials Horizons, 2021, , 163-215.	0.6	4
66	Development of a xanthan gum film for the possible treatment of vaginal infections. Cellular and Molecular Biology, 2021, 67, 80-88.	0.9	4
67	Association of TLR4 gene polymorphisms with sepsis after a burn injury: findings of the functional role of rs2737190 SNP. Genes and Immunity, 2021, 22, 24-34.	4.1	4
68	Assessment of biocompatibility and surface topography of poly(ester urethane)â€“silica nanocomposites reveals multifunctional properties. Materials Letters, 2020, 276, 128269.	2.6	3
69	Development of a guar gum film with lysine clonixinate for periodontal treatments. Cellular and Molecular Biology, 2021, 67, 89-95.	0.9	3
70	PG-150 distearate-PVA self-healing hydrogel: Potential application in tissue engineering. Materials Letters, 2022, 308, 131176.	2.6	3
71	The high methylation level of a novel 151-bp CpG island in the ESR1 gene promoter is associated with a poor breast cancer prognosis. Cancer Cell International, 2021, 21, 649.	4.1	3
72	Implantation of a heterologous dermo-epidermal skin substitute in a patient with deep dermal burn that enhances biomechanical and functional recovery: Case report. Burns Open, 2018, 2, 144-153.	0.5	2

#	Article	IF	Citations
73	Synthesis, characterization, and in vitro evaluation of gamma radiation-induced PEGylated isoniazid. Electronic Journal of Biotechnology, 2019, 41, 81-87.	2.2	2
74	Nanoemulsions and nanosized ingredients for food formulations. , 2020, , 207-256.		2
75	Preparation of Co-Processed Excipients for Controlled-Release of Drugs Assembled with Solid Lipid Nanoparticles and Direct Compression Materials. Molecules, 2021, 26, 2093.	3.8	2
76	Effectiveness of an experimental injectable prodrug formulation against Fasciola hepatica of different ages in experimentally infected sheep. Veterinary Parasitology, 2021, 298, 109524.	1.8	2
77	Radiation-induced graft polymerization of elastin onto polyvinylpyrrolidone as a possible wound dressing. Cellular and Molecular Biology, 2021, 67, 64-72.	0.9	2
78	Comparative study of the release profiles of ibuprofen from polymeric nanocapsules and nanospheres. Journal of the Mexican Chemical Society, 2019, 63, .	0.6	2
79	Preparation of chitosan-graft N-hydroxyethyl acrylamide copolymers as an in vitro-engineered skin. Materials Letters, 2022, 324, 132783.	2.6	2
80	A NEW FORMULATION OF CINNAMON OIL AND CHITOSAN DEPOLYMERIZED AGAINST OPPORTUNISTIC MICROORGANISMS DURING WOUND HEALING. Farmacia, 2021, 69, 509-514.	0.4	1
81	New developments in intrauterine drug delivery systems and devices. , 2021, , 601-622.		1
82	Solid lipid nanoparticles by Venturi tube: preparation, characterization and optimization by Boxâ€“Behnken design. Drug Development and Industrial Pharmacy, 2021, 47, 1302-1309.	2.0	1
83	Breast cancer-related single-nucleotide polymorphism and their risk contribution in Mexican women. Journal of Cancer Research and Therapeutics, 2020, 16, 1279.	0.9	1
84	Genetic Distribution of Five Spinocerebellar Ataxia Microsatellite Loci in Mexican Native American Populations and Its Impact on Contemporary Mestizo Populations. Genes, 2022, 13, 157.	2.4	1
85	Synthesis and Drug Loading Improvements on Mesoporous SBA-15 by Spray Drying. Drug Development and Industrial Pharmacy, 2022, , 1-15.	2.0	1
86	Design and characterization of pharmacological polymeric nanocarrier for potential treatment of spinocerebellar ataxia type 7. Journal of the Neurological Sciences, 2019, 405, 28.	0.6	0
87	Physicochemical and biological characterization of a xanthan gum-polyvinylpyrrolidone hydrogel obtained by gamma irradiation. Cellular and Molecular Biology, 2021, 67, 73.	0.9	0
88	Plasma-induced customizable poly(ester-urethane) surface for cell culture platforms. Materials Today Communications, 2021, 26, 101891.	1.9	0
89	Radiation-induced PEGylated Ethambutol Has Low Antimycobacterial Activity in Vitro. Biointerface Research in Applied Chemistry, 2020, 11, 8884-8894.	1.0	0
90	Field study on the determination of the effective dose of injectable fosfatriclaben prodrug in sheep naturally infected with Fasciola hepatica. Parasitology Research, 2021, 121, 433.	1.6	0

#	Article	IF	Citations
91	A poly (saccharide-ester-urethane) scaffold for mammalian cell growth. Cellular and Molecular Biology, 2021, 67, 113-117.	0.9	0