

Carlos David Grande Tovar

List of Publications by Citations

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Version: 2024-04-23

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58
papers

1,008
citations

17
h-index

30
g-index

66
ext. papers

1,348
ext. citations

4.5
avg, IF

5.03
L-index

#	Paper	IF	Citations
58	Chitosan coatings enriched with essential oils: Effects on fungi involved in fruit decay and mechanisms of action. <i>Trends in Food Science and Technology</i> , 2018 , 78, 61-71	15.3	98
57	Traditional Fermented Foods and Beverages from a Microbiological and Nutritional Perspective: The Colombian Heritage. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2014 , 13, 1031-1048	16.4	67
56	Synthesis and Application of Scaffolds of Chitosan-Graphene Oxide by the Freeze-Drying Method for Tissue Regeneration. <i>Molecules</i> , 2018 , 23,	4.8	67
55	Electrochemical deposition and surface-initiated RAFT polymerization: protein and cell-resistant PPEGMEMA polymer brushes. <i>Biomacromolecules</i> , 2010 , 11, 3422-31	6.9	59
54	Surface-Grafted Polymers from Electropolymerized Polythiophene RAFT Agent. <i>Macromolecules</i> , 2011 , 44, 966-975	5.5	58
53	Chitosan Cross-Linked Graphene Oxide Nanocomposite Films with Antimicrobial Activity for Application in Food Industry. <i>Macromolecular Symposia</i> , 2017 , 374, 1600114	0.8	54
52	The Effect of Edible Chitosan Coatings Incorporated with Essential Oil on the Shelf-Life of Strawberry () during Cold Storage. <i>Biomolecules</i> , 2018 , 8,	5.9	51
51	The Potential of Selected Agri-Food Loss and Waste to Contribute to a Circular Economy: Applications in the Food, Cosmetic and Pharmaceutical Industries. <i>Molecules</i> , 2021 , 26,	4.8	47
50	Antimicrobial Films Based on Nanocomposites of Chitosan/Poly(vinyl alcohol)/Graphene Oxide for Biomedical Applications. <i>Biomolecules</i> , 2019 , 9,	5.9	43
49	Photocatalytic activity of graphene oxide-TiO thin films sensitized by natural dyes extracted from. <i>Royal Society Open Science</i> , 2019 , 6, 181824	3.3	40
48	Biodegradation of graphene oxide-polymer nanocomposite films in wastewater. <i>Environmental Science: Nano</i> , 2017 , 4, 1808-1816	7.1	35
47	Bio-Removal of Methylene Blue from Aqueous Solution by <i>Galactomyces geotrichum</i> KL20A. <i>Water (Switzerland)</i> , 2019 , 11, 282	3	33
46	Novel Bioactive and Antibacterial Acrylic Bone Cement Nanocomposites Modified with Graphene Oxide and Chitosan. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	30
45	Reduction of Postharvest Quality Loss and Microbiological Decay of Tomato "Chonto" (L.) Using Chitosan- Essential Oil-Based Edible Coatings under Low-Temperature Storage. <i>Polymers</i> , 2020 , 12,	4.5	19
44	Recovery of Banana Waste-Loss from Production and Processing: A Contribution to a Circular Economy. <i>Molecules</i> , 2021 , 26,	4.8	18
43	Sub-lethal concentrations of Colombian <i>Austroeupeatorium inulifolium</i> (H.B.K.) essential oil and its effect on fungal growth and the production of enzymes. <i>Industrial Crops and Products</i> , 2016 , 87, 315-323	5.9	17
42	Chitosan films incorporated with essential oil: mechanical properties and antimicrobial activity against degradative bacterial species isolated from tuna (sp.) and swordfish (). <i>Journal of Food Science and Technology</i> , 2018 , 55, 4256-4265	3.3	17

41	Preparation of Chitosan/Poly(Vinyl Alcohol) Nanocomposite Films Incorporated with Oxidized Carbon Nano-Onions (Multi-Layer Fullerenes) for Tissue-Engineering Applications. <i>Biomolecules</i> , 2019 , 9,	5.9	17
40	Colletotrichum Gloesporioides Inhibition In Situ by Chitosan- Essential Oil Coatings: Effect on Microbiological, Physicochemical, and Organoleptic Properties of Guava (L.) during Room Temperature Storage. <i>Biomolecules</i> , 2019 , 9,	5.9	16
39	Grafting of polymers from electrodeposited macro-RAFT initiators on conducting surfaces. <i>Reactive and Functional Polymers</i> , 2011 , 71, 938-942	4.6	16
38	Optimization of Chitosan Glutaraldehyde-Crosslinked Beads for Reactive Blue 4 Anionic Dye Removal Using a Surface Response Methodology. <i>Life</i> , 2021 , 11,	3	16
37	Exploring the Bacterial Microbiota of Colombian Fermented Maize Dough "Masa Agria" (Maiz AÑjo). <i>Frontiers in Microbiology</i> , 2016 , 7, 1168	5.7	15
36	RELATIONSHIP BETWEEN REFRACTIVE INDEX AND THYMOL CONCENTRATION IN ESSENTIAL OILS OF Lippia organoides Kunth. <i>Chilean Journal of Agricultural and Animal Sciences</i> , 2016 , 32, 127-133	0.9	13
35	Evaluation of the Biocompatibility of CS-Graphene Oxide Compounds. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	12
34	RAFT "grafting-through" approach to surface-anchored polymers: Electrodeposition of an electroactive methacrylate monomer. <i>European Physical Journal E</i> , 2011 , 34, 15	1.5	12
33	Assessment of Chitosan-Rue (Ruta graveolens L.) Essential Oil-Based Coatings on Refrigerated Cape Gooseberry (Physalis peruviana L.) Quality. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 2684	2.6	11
32	Biocompatible and Antimicrobial Electrospun Membranes Based on Nanocomposites of Chitosan/Poly (Vinyl Alcohol)/Graphene Oxide. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	11
31	Nanoparticle formation and ultrathin film electrodeposition of carbazole dendronized polynorbornenes prepared by ring-opening metathesis polymerization. <i>Langmuir</i> , 2010 , 26, 17629-39	4	10
30	Synthesis, Characterization, and Histological Evaluation of Chitosan-Ruta Graveolens Essential Oil Films. <i>Molecules</i> , 2020 , 25,	4.8	9
29	Packham 2 Triumph Pears (L.) Post-Harvest Treatment during Cold Storage Based on Chitosan and Rue Essential Oil. <i>Molecules</i> , 2021 , 26,	4.8	9
28	Chitosan Beads Incorporated with Essential Oil of : Stability Studies on Red Fillets. <i>Biomolecules</i> , 2019 , 9,	5.9	8
27	Equilibrium and Kinetic Study of Lead and Copper Ion Adsorption on Chitosan-Grafted-Polyacrylic Acid Synthesized by Surface Initiated Atomic Transfer Polymerization. <i>Molecules</i> , 2018 , 23,	4.8	8
26	Synthesis of Chitosan Beads Incorporating Graphene Oxide/Titanium Dioxide Nanoparticles for In Vivo Studies. <i>Molecules</i> , 2020 , 25,	4.8	7
25	Nanocomposite Films of Chitosan-Grafted Carbon Nano-Onions for Biomedical Applications. <i>Molecules</i> , 2020 , 25,	4.8	7
24	The Role of Chitosan and Graphene Oxide in Bioactive and Antibacterial Properties of Acrylic Bone Cements. <i>Biomolecules</i> , 2020 , 10,	5.9	6

23	Acrylic Bone Cements Modified with Graphene Oxide: Mechanical, Physical, and Antibacterial Properties. <i>Polymers</i> , 2020 , 12,	4.5	6
22	Producción y procesamiento del maíz en Colombia. <i>Guillermo De Ockham</i> , 2013 , 11, 97	0	5
21	Osseointegration of Antimicrobial Acrylic Bone Cements Modified with Graphene Oxide and Chitosan. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 6528	2.6	4
20	Influence of the chitosan morphology on the properties of acrylic cements and their biocompatibility.. <i>RSC Advances</i> , 2020 , 10, 31156-31164	3.7	4
19	Synthesis and fabrication of films including graphene oxide functionalized with chitosan for regenerative medicine applications. <i>Heliyon</i> , 2021 , 7, e07058	3.6	4
18	2,2T(Carbono-thio-yldisulfanedi-yl)bis-(2-methyl-propanoic acid). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013 , 69, o774		3
17	Acrylic Bone Cement Incorporated with Low Chitosan Loadings. <i>Polymers</i> , 2020 , 12,	4.5	3
16	Cacao Pod Husk Flour as an Ingredient for Reformulating Frankfurters: Effects on Quality Properties. <i>Foods</i> , 2021 , 10,	4.9	3
15	Synthesis and characterization of (6-[[2-(pyridin-2-yl)hydrazinylidene]methyl]pyridin-2-yl)methanol: a supramolecular and topological study. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2015 , 71, 631-5	0.8	2
14	Synthesis and Application of a Cationic Polyamine as Yankee Dryer Coating Agent for the Tissue Paper-Making Process. <i>Polymers</i> , 2020 , 12,	4.5	2
13	Nanocomposites of Chitosan/Graphene Oxide/Titanium Dioxide Nanoparticles/Blackberry Waste Extract as Potential Bone Substitutes. <i>Polymers</i> , 2021 , 13,	4.5	2
12	1,4-Phenylenebis(methylene) bis(9H-carbazole-9-carbodithioate). <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2011 , 67, o77-9		1
11	2-(Phenyl-carbonothio-ylsulfan-yl)acetic acid. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010 , 66, o2614		1
10	2-Bromo-N-(2-hydroxy-5-methyl-phen-yl)-2-methyl-propanamide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011 , 67, o2446		1
9	2-[[[(Dodecylsulfanyl)carbonothioyl]sulfanyl]-2-methylpropanoic acid: a chain of edge-fused R(2)(2)(8) and R(4)(4)(20) rings built from O-H...O and C-H...O hydrogen bonds. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2010 , 66, o627-30		1
8	Chitosan Beads Incorporated with Graphene Oxide/Titanium Dioxide Nanoparticles for Removing an Anionic Dye. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 9439	2.6	1
7	Dataset on study of chitosan-graphene oxide films for regenerative medicine. <i>Data in Brief</i> , 2021 , 39, 107472	1.2	1
6	3,5-Bis(benz-yloxy)benzoic acid. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012 , 68, o3247-8	0	0

- 5 Optimization of Mechanical and Setting Properties in Acrylic Bone Cements Added with Graphene Oxide. *Applied Sciences (Switzerland)*, **2021**, 11, 5185 2.6 ○
- 4 Effect of Pretreatment with Low-Frequency Ultrasound on Quality Parameters in Gulupa (*Passiflora edulis Sims*) Pulp. *Applied Sciences (Switzerland)*, **2021**, 11, 1734 2.6 ○
- 3 [4-(All-yloxy)phen-yl](phen-yl)methanone. *Acta Crystallographica Section E: Structure Reports Online*, **2014**, 70, o814-5
- 2 2,2F(1,4-Phenyl-ene)bis-(propane-2,2-di-yl) bis-(benzodi-thio-ate). *Acta Crystallographica Section E: Structure Reports Online*, **2014**, 70, o117
- 1 9-(4-Bromo-but-yl)-9H-carbazole. *Acta Crystallographica Section E: Structure Reports Online*, **2012**, 68, o1853