

Miquel Gimeno

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

61
papers

1,177
citations

19
h-index

32
g-index

62
ext. papers

1,317
ext. citations

5.2
avg, IF

4.17
L-index

#	Paper	IF	Citations
61	Cross-linking chitosan into UV-irradiated cellulose fibers for the preparation of antimicrobial-finished textiles. <i>Carbohydrate Polymers</i> , 2009 , 77, 536-543	10.3	137
60	Structural characterization of chitin and chitosan obtained by biological and chemical methods. <i>Biomacromolecules</i> , 2011 , 12, 3285-90	6.9	86
59	Supercritical carbon dioxide extraction of oil from Mexican chia seed (<i>Salvia hispanica</i> L.): Characterization and process optimization. <i>Journal of Supercritical Fluids</i> , 2010 , 55, 192-199	4.2	68
58	Ultrasonication and steam-explosion as chitin pretreatments for chitin oligosaccharide production by chitinases of <i>Lecanicillium lecanii</i> . <i>Bioresource Technology</i> , 2013 , 146, 794-798	11	58
57	Effect of temperature on chitin and astaxanthin recoveries from shrimp waste using lactic acid bacteria. <i>Bioresource Technology</i> , 2009 , 100, 2849-54	11	58
56	Enzymatic synthesis of poly-L-lactide and poly-L-lactide-co-glycolide in an ionic liquid. <i>Bioprocess and Biosystems Engineering</i> , 2010 , 33, 629-38	3.7	49
55	Removal strategies for endocrine disrupting chemicals using cellulose-based materials as adsorbents: A review. <i>Journal of Environmental Chemical Engineering</i> , 2016 , 4, 3122-3142	6.8	43
54	One-solvent extraction of astaxanthin from lactic acid fermented shrimp wastes. <i>Journal of Agricultural and Food Chemistry</i> , 2007 , 55, 10345-50	5.7	42
53	Chitin and L(+)-lactic acid production from crab (<i>Callinectes bellicosus</i>) wastes by fermentation of <i>Lactobacillus</i> sp. B2 using sugar cane molasses as carbon source. <i>Bioprocess and Biosystems Engineering</i> , 2012 , 35, 1193-200	3.7	40
52	Lipase-catalyzed synthesis of poly-L-lactide using supercritical carbon dioxide. <i>Journal of Supercritical Fluids</i> , 2009 , 51, 197-201	4.2	40
51	Chitosan-based microcapsules containing grapefruit seed extract grafted onto cellulose fibers by a non-toxic procedure. <i>Carbohydrate Research</i> , 2010 , 345, 854-9	2.9	40
50	Rheological and antioxidant power studies of enzymatically grafted chitosan with a hydrophobic alkyl side chain. <i>Food Hydrocolloids</i> , 2014 , 39, 113-119	10.6	29
49	<i>Trametes versicolor</i> laccase oxidation of gallic acid toward a polyconjugated semiconducting material. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2013 , 97, 100-105		29
48	Enzymatic hydrolysis of chitin pretreated by rapid depressurization from supercritical 1,1,1,2-tetrafluoroethane toward highly acetylated oligosaccharides. <i>Bioresource Technology</i> , 2016 , 209, 180-6	11	26
47	Lipase-catalyzed synthesis of hyperbranched poly-L-lactide in an ionic liquid. <i>Bioprocess and Biosystems Engineering</i> , 2013 , 36, 383-7	3.7	26
46	Approaches to highly polar polymers with low glass transition temperatures. 1. Fluorinated polymers via a combination of ring-opening metathesis polymerisation and hydrogenation. <i>Polymer</i> , 2003 , 44, 6111-6121	3.9	25
45	Postharvest litchi (<i>Litchi chinensis</i> Sonn.) quality preservation by <i>Lactobacillus plantarum</i> . <i>Postharvest Biology and Technology</i> , 2011 , 59, 172-178	6.2	24

44	Lipase-catalyzed syntheses of linear and hyperbranched polyesters using compressed fluids as solvent media. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2010 , 67, 143-149		23
43	Use of Liquid 1,1,1,2-Tetrafluoroethane as Solvent Media for Enzyme-Catalyzed Ring-Opening Polymerization of Lactones. <i>Macromolecules</i> , 2007 , 40, 4119-4120	5.5	22
42	Production of thermostable lipase by <i>Thermomyces lanuginosus</i> on solid-state fermentation: selective hydrolysis of sardine oil. <i>Applied Biochemistry and Biotechnology</i> , 2014 , 174, 1859-72	3.2	17
41	Enzymatic synthesis of poly-L-lactide in supercritical R134a. <i>Journal of Supercritical Fluids</i> , 2012 , 72, 186-190	4.0	17
40	Approaches to highly polar polymers with low glass transition temperatures: 2. Fluorinated polymers via ring-opening metathesis copolymerisation and hydrogenation. <i>Journal of Molecular Catalysis A</i> , 2004 , 213, 9-14		17
39	Hydroxyapatite crystallization in shrimp cephalothorax wastes during subcritical water treatment for chitin extraction. <i>Carbohydrate Polymers</i> , 2017 , 172, 332-341	10.3	16
38	Enzymatic synthesis of poly-L-lactide-co-glycolide in the ionic liquid 1-butyl-3-methylimidazolium hexafluorophosphate. <i>Bioprocess and Biosystems Engineering</i> , 2010 , 33, 1095-101	3.7	16
37	Use of 1,1,1,2-Tetrafluoroethane (R-134a)-Expanded Liquids as Solvent Media for Ecoefficient Particle Design with the DELOS Crystallization Process. <i>Crystal Growth and Design</i> , 2006 , 6, 23-25	3.5	16
36	Development and characterization of a flexible electrochromic device based on polyaniline and enzymatically synthesized poly (gallic acid). <i>Synthetic Metals</i> , 2017 , 223, 43-48	3.6	15
35	Micronization of the chitosan derivatives d-Glucosamine Hydrochloride and d-Glucosamine Sulphate salts by dense gas anti-solvent precipitation techniques. <i>Journal of Supercritical Fluids</i> , 2006 , 38, 94-102	4.2	14
34	Production and characterization of a nanocomposite of highly crystalline nanowhiskers from biologically extracted chitin in enzymatic poly(ϵ -caprolactone). <i>Carbohydrate Polymers</i> , 2018 , 181, 684-692	10.3	13
33	Copper removal from wastewater by a chitosan-based biodegradable composite. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 28527-28535	5.1	12
32	Stable bioemulsifiers are produced by <i>Acinetobacter bouvetii</i> UAM25 growing in different carbon sources. <i>Bioprocess and Biosystems Engineering</i> , 2018 , 41, 859-869	3.7	12
31	Enzymatic syntheses of linear and hyperbranched poly-L-lactide using compressed R134a liquid media. <i>Journal of Supercritical Fluids</i> , 2015 , 103, 77-82	4.2	11
30	Synthesis and Radical Polymerization of 1,1-Difluoro-2-vinylcyclopropane: A Reexamination and Structural Reassignment. <i>Macromolecules</i> , 2006 , 39, 4076-4080	5.5	10
29	Highly efficient single-step pretreatment to remove lignin and hemicellulose from softwood. <i>BioResources</i> , 2019 , 14, 3567-3577	1.3	10
28	Inhibition of <i>Listeria monocytogenes</i> in Fresh Cheese Using Chitosan-Grafted Lactic Acid Packaging. <i>Molecules</i> , 2016 , 21, 469	4.8	10
27	Growth of epithelial cells on films of enzymatically synthesized poly(gallic acid) crosslinked to carboxymethylcellulose. <i>RSC Advances</i> , 2017 , 7, 17660-17669	3.7	8

26	Complementary electrochromic devices of PANI and PEDOT using the enzymatic poly(gallic acid). <i>Solar Energy Materials and Solar Cells</i> , 2019 , 200, 109973	6.4	8
25	Enzymatic poly(gallic acid): A stable multiradical polyanion. <i>Journal of Molecular Structure</i> , 2019 , 1197, 326-335	3.4	8
24	Cytoprotective effect of the enzyme-mediated polygallic acid on fibroblast cells under exposure of UV-irradiation. <i>Materials Science and Engineering C</i> , 2017 , 76, 417-424	8.3	7
23	Suppression of the tert-butylhydroquinone toxicity by its grafting onto chitosan and further cross-linking to agavin toward a novel antioxidant and prebiotic material. <i>Food Chemistry</i> , 2016 , 199, 485-91	8.5	7
22	The enzymatic poly(gallic acid) reduces pro-inflammatory cytokines in vitro, a potential application in inflammatory diseases. <i>Inflammation</i> , 2021 , 44, 174-185	5.1	7
21	Removal of bisphenol A in canned liquid food by enzyme-based nanocomposites. <i>Applied Nanoscience (Switzerland)</i> , 2018 , 8, 427-434	3.3	6
20	Survival of <i>Brucella abortus</i> aqpX mutant in fresh and ripened cheeses. <i>Foodborne Pathogens and Disease</i> , 2015 , 12, 170-5	3.8	6
19	Poly(gallic acid)-coated polycaprolactone inhibits oxidative stress in epithelial cells. <i>Materials Science and Engineering C</i> , 2020 , 115, 111154	8.3	5
18	Fibroblast viability and inhibitory activity against <i>Pseudomonas aeruginosa</i> in lactic acid-grafted chitosan hydrogels. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	2.9	5
17	Novel photoluminescent material by laccase-mediated polymerization of 4-fluoroguaiacol throughout defluorination. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2014 , 109, 70-75		5
16	Self-assembly of supramolecular chemoenzymatic poly-L-phenylalanine. <i>Polymer Chemistry</i> , 2021 , 12, 1199-1209	4.9	5
15	Exposure to bisphenol A: current levels from food intake are toxic to human cells. <i>Molecular Biology Reports</i> , 2019 , 46, 2555-2559	2.8	4
14	Novel photoconductive polyfluorophenol synthesized by an enzyme. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2011 , 72, 25-27		4
13	Development of an antimicrobial and antioxidant hydrogel/nano-electrospun wound dressing.. <i>RSC Advances</i> , 2020 , 10, 30508-30518	3.7	4
12	Enhanced oil recovery by hydrophobins from <i>Lecanicillium lecanii</i> . <i>Fuel</i> , 2018 , 224, 10-16	7.1	3
11	Antioxidant and antimicrobial material by grafting of L-arginine onto enzymatic poly(gallic acid). <i>Materials Science and Engineering C</i> , 2021 , 121, 111650	8.3	3
10	The Radical-Scavenging Activity of a Purified and Sequenced Peptide from Lactic Acid Fermentation of <i>Thunnus albacares</i> By-Products. <i>Applied Biochemistry and Biotechnology</i> , 2019 , 189, 1084-1095	3.2	2
9	Enzymatic grafting of gallate ester onto chitosan: evaluation of antioxidant and antibacterial activities. <i>International Journal of Food Science and Technology</i> , 2013 , 48, n/a-n/a	3.8	2

8	Use of ionic liquid for the enzyme-catalyzed polymerization of phenols. <i>Polymers for Advanced Technologies</i> , 2009 , 21, n/a-n/a	3.2	2
7	Synthesis and radical ring opening behaviour of 1,1-difluoro-2-heptyl-2-vinylcyclopropane and some of its isomers. <i>Journal of Fluorine Chemistry</i> , 2006 , 127, 1533-1539	2.1	2
6	Chemoenzymatic synthesis of polypeptides in neat 1,1,1,2-tetrafluoroethane solvent.. <i>RSC Advances</i> , 2018 , 8, 35936-35945	3.7	2
5	Extraction of Essential Oil from Waste Grapefruit Peel Using a Pilot-Scale Twin-Screw Extruder. <i>ACS Food Science & Technology</i> , 2021 , 1, 1198-1205		1
4	Whole-cell bioconversion of naringenin to high added value hydroxylated compounds using <i>Yarrowia lipolytica</i> 2.2ab in surface and liquid cultures. <i>Bioprocess and Biosystems Engineering</i> , 2020 , 43, 1219-1230	3.7	0
3	Extracting endocrine disrupting compounds from infant formula using supercritical carbon dioxide. <i>Journal of Supercritical Fluids</i> , 2019 , 152, 104554	4.2	
2	Anti-inflammatory and Antioxidant Effect of Poly-gallic Acid (PGAL) in an In Vitro Model of Synovitis Induced by Monosodium Urate Crystals.. <i>Inflammation</i> , 2022 , 1	5.1	
1	Enzymatic poly(gallic acid)-grafted ϵ -lysine inhibits <i>Staphylococcus aureus</i> and <i>Escherichia coli</i> strains with no cytotoxicity for human cells 2022 , 138, 212960		