

Hatem Majdoub

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6788389/publications.pdf>

Version: 2024-02-01

83
papers

2,687
citations

159525

30
h-index

206029

48
g-index

83
all docs

83
docs citations

83
times ranked

3777
citing authors

#	ARTICLE	IF	CITATIONS
1	Physical, antioxidant and antimicrobial properties of chitosan films containing Eucalyptus globulus essential oil. <i>LWT - Food Science and Technology</i> , 2016, 68, 356-364.	2.5	298
2	Optimized extraction of pectin-like polysaccharide from Suaeda fruticosa leaves: Characterization, antioxidant, anti-inflammatory and analgesic activities. <i>Carbohydrate Polymers</i> , 2018, 185, 127-137.	5.1	144
3	Optimization of ultrasound-assisted extraction of antioxidant compounds from Tunisian Zizyphus lotus fruits using response surface methodology. <i>Food Chemistry</i> , 2015, 184, 80-89.	4.2	116
4	Prickly pear nopals pectin from Opuntia ficus-indica physico-chemical study in dilute and semi-dilute solutions. <i>Carbohydrate Polymers</i> , 2001, 46, 69-79.	5.1	105
5	Anticoagulant activity of a sulfated polysaccharide from the green alga Arthrospira platensis. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2009, 1790, 1377-1381.	1.1	100
6	Optimization extraction of polysaccharide from Tunisian Zizyphus lotus fruit by response surface methodology: Composition and antioxidant activity. <i>Food Chemistry</i> , 2016, 212, 476-484.	4.2	88
7	Polysaccharides from prickly pear peel and nopals of Opuntia ficus-indica: extraction, characterization and polyelectrolyte behaviour. <i>Polymer International</i> , 2001, 50, 552-560.	1.6	70
8	Physico-chemical characterization and pharmacological evaluation of sulfated polysaccharides from three species of Mediterranean brown algae of the genus Cystoseira. <i>DARU, Journal of Pharmaceutical Sciences</i> , 2015, 23, 1.	0.9	67
9	Extracellular polysaccharide derived from potential probiotic strain with antioxidant and antibacterial activities as a prebiotic agent to control pathogenic bacterial biofilm formation. <i>Microbial Pathogenesis</i> , 2017, 109, 214-220.	1.3	66
10	Dawson-type polyoxometalate nanoclusters confined in a carbon nanotube matrix as efficient redox mediators for enzymatic glucose biofuel cell anodes and glucose biosensors. <i>Biosensors and Bioelectronics</i> , 2018, 109, 20-26.	5.3	59
11	Depolymerization of polysaccharides from Opuntia ficus indica: Antioxidant and antiglycated activities. <i>International Journal of Biological Macromolecules</i> , 2015, 79, 779-786.	3.6	56
12	Determination of trace heavy metal ions by anodic stripping voltammetry using nanofibrillated cellulose modified electrode. <i>Journal of Electroanalytical Chemistry</i> , 2017, 799, 70-77.	1.9	56
13	Composition, structure and solution properties of polysaccharides extracted from leaves of Mesembryanthemum crystallinum. <i>European Polymer Journal</i> , 2006, 42, 786-795.	2.6	54
14	Antioxidant and antimicrobial proprieties of chitin and chitosan extracted from Parapenaeus Longirostris shrimp shell waste. <i>Annales Pharmaceutiques Francaises</i> , 2016, 74, 27-33.	0.4	53
15	Wild edible Swiss chard leaves (Beta vulgaris L. var. cicla): Nutritional, phytochemical composition and biological activities. <i>Food Research International</i> , 2019, 119, 612-621.	2.9	52
16	Functional properties of chitosan derivatives obtained through Maillard reaction: A novel promising food preservative. <i>Food Chemistry</i> , 2021, 349, 129072.	4.2	52
17	An overview of clay-polymer nanocomposites containing bioactive compounds for food packaging applications. <i>Applied Clay Science</i> , 2022, 216, 106335.	2.6	50
18	Effect of the deacetylation degree on the antibacterial and antibiofilm activity of acemannan from Aloe vera. <i>Industrial Crops and Products</i> , 2017, 103, 13-18.	2.5	49

#	ARTICLE	IF	CITATIONS
19	Cationic cellulose nanofibrils as a green support of palladium nanoparticles: catalyst evaluation in Suzuki reactions. <i>Cellulose</i> , 2018, 25, 6963-6975.	2.4	47
20	Voltammetric glucose biosensor based on glucose oxidase encapsulation in a chitosan-kappa-carrageenan polyelectrolyte complex. <i>Materials Science and Engineering C</i> , 2019, 95, 152-159.	3.8	47
21	Highly Sensitive Voltammetric Glucose Biosensor Based on Glucose Oxidase Encapsulated in a Chitosan/Kappa-Carrageenan/Gold Nanoparticle Bionanocomposite. <i>Sensors</i> , 2019, 19, 154.	2.1	46
22	Polysaccharides from the skin of the ray <i>Raja radula</i> . Partial characterization and anticoagulant activity. <i>Thrombosis Research</i> , 2009, 123, 671-678.	0.8	45
23	Effect of extraction condition on the antioxidant, antiglycation and α -amylase inhibitory activities of <i>Opuntia macrorhiza</i> fruit peels polysaccharides. <i>LWT - Food Science and Technology</i> , 2020, 127, 109411.	2.5	45
24	Use of extracellular polysaccharides, secreted by <i>Lactobacillus plantarum</i> and <i>Bacillus</i> spp., as reducing indole production agents to control biofilm formation and efflux pumps inhibitor in <i>Escherichia coli</i> . <i>Microbial Pathogenesis</i> , 2018, 125, 448-453.	1.3	37
25	Partial characterization and antitumor activity of a polysaccharide isolated from watermelon rinds. <i>International Journal of Biological Macromolecules</i> , 2019, 136, 632-641.	3.6	37
26	Influence of the uronic acid composition on the gastroprotective activity of alginates from three different genus of Tunisian brown algae. <i>Food Chemistry</i> , 2018, 239, 165-171.	4.2	36
27	Inhibition of protein glycation, antioxidant and antiproliferative activities of <i>Carpobrotus edulis</i> extracts. <i>Biomedicine and Pharmacotherapy</i> , 2016, 84, 1496-1503.	2.5	35
28	Effect of extraction conditions on the antioxidant and antiglycation capacity of carbohydrates from <i>Opuntia robusta</i> cladodes. <i>International Journal of Food Science and Technology</i> , 2016, 51, 929-937.	1.3	33
29	Chemical Composition, Nutritional Value, and Biological Evaluation of Tunisian Okra Pods (<i>Abelmoschus esculentus</i> L. Moench). <i>Molecules</i> , 2020, 25, 4739.	1.7	33
30	Complex of chitosan pectin and clay as diclofenac carrier. <i>Applied Clay Science</i> , 2019, 172, 155-164.	2.6	32
31	Enhancing performances of colorimetric response of carboxymethylcellulose-stabilized silver nanoparticles: A fully eco-friendly assay for Hg ²⁺ detection. <i>Sensors and Actuators B: Chemical</i> , 2017, 253, 918-927.	4.0	31
32	Characterization of sulfated polysaccharide from <i>Laurencia obtusa</i> and its apoptotic, gastroprotective and antioxidant activities. <i>International Journal of Biological Macromolecules</i> , 2019, 126, 326-336.	3.6	31
33	Characterization, antioxidant and antiglycation properties of polysaccharides extracted from the medicinal halophyte <i>Carpobrotus edulis</i> L. <i>International Journal of Biological Macromolecules</i> , 2018, 107, 833-842.	3.6	29
34	Adsorptive removal of cationic and anionic dyes on a novel mesoporous adsorbent prepared from diatomite and anionic cellulose nanofibrils: Experimental and theoretical investigations. <i>Journal of Molecular Liquids</i> , 2022, 361, 119670.	2.3	29
35	Effect of ultrasonic degradation of hyaluronic acid extracted from rooster comb on antioxidant and antiglycation activities. <i>Pharmaceutical Biology</i> , 2017, 55, 156-163.	1.3	28
36	Physico-chemical characterization and pharmacological activities of sulfated polysaccharide from sea urchin, <i>Paracentrotus lividus</i> . <i>International Journal of Biological Macromolecules</i> , 2017, 97, 8-15.	3.6	24

#	ARTICLE	IF	CITATIONS
37	Effect of pH during Extraction on the Antioxidant and Antiglycated Activities of Polysaccharides from <i>Opuntia Ficus Indica</i> . Journal of Food Biochemistry, 2016, 40, 316-325.	1.2	22
38	Physico-chemical characterization and pharmacological activities of polysaccharides from <i>Opuntia microdasys</i> var. <i>rufida</i> cladodes. International Journal of Biological Macromolecules, 2018, 107, 1330-1338.	3.6	22
39	Characterization of polysaccharides from <i>Prunus amygdalus</i> peels: Antioxidant and antiproliferative activities. International Journal of Biological Macromolecules, 2018, 119, 198-206.	3.6	21
40	Development, characterization, and biological assessment of biocompatible cellulosic wound dressing grafted Aloe vera bioactive polysaccharide. Cellulose, 2019, 26, 4957-4970.	2.4	20
41	Optimization of antioxidant and antiglycated activities of polysaccharides from <i>Arthrocnemum indicum</i> leaves. International Journal of Biological Macromolecules, 2018, 113, 774-782.	3.6	19
42	Chitosan/beidellite nanocomposite as diclofenac carrier. International Journal of Biological Macromolecules, 2019, 126, 44-53.	3.6	19
43	Water Retention Capacity of Polysaccharides from Prickly Pear Nopals of <i>Opuntia Ficus Indica</i> and <i>Opuntia Litoralis</i> : Physical-Chemical Approach. Journal of Polymers and the Environment, 2010, 18, 451-458.	2.4	18
44	Synthesis, characterization of hydroxyapatite- κ -carrageenan, and evaluation of its performance for the adsorption of methylene blue from aqueous suspension. Journal of Applied Polymer Science, 2017, 134, 45385.	1.3	18
45	Access to new anticoagulant by sulfation of pectin-like polysaccharides isolated from <i>Opuntia ficus indica</i> cladodes. International Journal of Biological Macromolecules, 2018, 120, 1794-1800.	3.6	18
46	Pectic polysaccharides from edible halophytes: Insight on extraction processes, structural characterizations and immunomodulatory potentials. International Journal of Biological Macromolecules, 2021, 173, 554-579.	3.6	18
47	Effects of depth and initial fragment weights of <i>Gracilaria gracilis</i> on the growth, agar yield, quality, and biochemical composition. Journal of Applied Phycology, 2018, 30, 2499-2512.	1.5	17
48	Cellulose nanofibrils (CNFs) from <i>Ammophila arenaria</i> , a natural and a fast growing grass plant. International Journal of Biological Macromolecules, 2018, 107, 530-536.	3.6	17
49	Antileishmanial activity of <i>Moringa oleifera</i> leaf extracts and potential synergy with amphotericin B. South African Journal of Botany, 2020, 129, 67-73.	1.2	17
50	γ -hydroxycholesterol-induced cell death, oxidative stress, and fatty acid metabolism dysfunctions attenuated with sea urchin egg oil. Biochimie, 2018, 153, 210-219.	1.3	16
51	Incorporation of <i>Opuntia macrorhiza</i> Engelm. in cake-making: Physical and sensory characteristics. LWT - Food Science and Technology, 2018, 90, 15-21.	2.5	16
52	Bioactivity and chemical characterization of <i>Opuntia macrorhiza</i> Engelm. seed oil: potential food and pharmaceutical applications. Food and Function, 2017, 8, 2739-2747.	2.1	14
53	An Acetylcholinesterase Inhibition-Based Biosensor for Aflatoxin B1 Detection Using Sodium Alginate as an Immobilization Matrix. Toxins, 2020, 12, 173.	1.5	13
54	Synthesis and study of drug delivery system obtained via β -cyclodextrin functionalization of viscose/polyester dressings. Journal of Industrial Textiles, 2017, 47, 489-504.	1.1	12

#	ARTICLE	IF	CITATIONS
55	Composite materials based on low-density polyethylene loaded with date pits. <i>Journal of Thermoplastic Composite Materials</i> , 2017, 30, 1200-1216.	2.6	11
56	Microwave-assisted extraction and pharmacological evaluation of polysaccharides from <i>Posidonia oceanica</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2017, 81, 1917-1925.	0.6	11
57	Protective potential effects of fucoidan in hepatic cold ischemia-reperfusion injury in rats. <i>International Journal of Biological Macromolecules</i> , 2020, 155, 498-507.	3.6	11
58	Study on the Grafting of Chitosan-Essential Oil Microcapsules onto Cellulosic Fibers to Obtain Bio Functional Material. <i>Coatings</i> , 2021, 11, 637.	1.2	11
59	Enhanced Antibacterial Efficiency of Cellulosic Fibers: Microencapsulation and Green Grafting Strategies. <i>Coatings</i> , 2021, 11, 980.	1.2	11
60	Optimization of extraction with salicylic acid, rheological behavior and antiproliferative activity of pectin from <i>Citrus sinensis</i> peels. <i>International Journal of Biological Macromolecules</i> , 2020, 159, 547-556.	3.6	11
61	Ag- $\text{Ag}^{\text{nanocomposite}}$ based on carboxymethylcellulose for humidity detection: Green synthesis and sensing performances. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	1.3	10
62	Antioxidant Activity Improvement of Apples Juice Supplemented with Chitosan-Galactose Maillard Reaction Products. <i>Molecules</i> , 2019, 24, 4557.	1.7	10
63	Dietary administration effects of exopolysaccharide from potential probiotic strains on immune and antioxidant status and nutritional value of European sea bass (<i>Dicentrarchus labrax</i> L.). <i>Research in Veterinary Science</i> , 2020, 131, 51-58.	0.9	10
64	Ozone treatment of polysaccharides from <i>Arthrocnemum indicum</i> : Physico-chemical characterization and antiproliferative activity. <i>International Journal of Biological Macromolecules</i> , 2017, 105, 1315-1323.	3.6	9
65	Antimicrobial, antioxidant and antileishmanial activities of <i>Ziziphus lotus</i> leaves. <i>Archives of Microbiology</i> , 2022, 204, 119.	1.0	9
66	Recovery of Phenolic Compounds and Carbohydrates from Hydro-ethanolic Extract of <i>Zizyphus lotus</i> Fruit using Ultrafiltration Process. <i>International Journal of Food Engineering</i> , 2017, 13, .	0.7	8
67	Co-immobilization of chitosan and dermatan sulfate from <i>Raja montagui</i> skin on polyethylene terephthalate surfaces: Characterization and antibiofilm activity. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2018, 67, 277-287.	1.8	8
68	Protective effect assessment of <i>Moringa oleifera</i> against cadmium-induced toxicity in HCT116 and HEK293 cell lines. <i>Environmental Science and Pollution Research</i> , 2020, 27, 23783-23792.	2.7	8
69	Electrochemical and Surface Morphological Studies of a Carbon Steel Corrosion by Natural Product in Acidic Solution. <i>Advances in Science, Technology and Innovation</i> , 2018, , 1291-1292.	0.2	7
70	GC-EL-MS identification data of neutral sugars of polysaccharides extracted from <i>Zizyphus lotus</i> fruit. <i>Data in Brief</i> , 2018, 18, 680-683.	0.5	6
71	Methanolic Extract of <i>Artemisia Herba Alba</i> as Eco-Friendly Inhibitor of Carbon Steel Corrosion in 1M HCl Media. <i>Advances in Science, Technology and Innovation</i> , 2018, , 1379-1381.	0.2	6
72	Ultrasonication of Polysaccharides from Tunisian <i>Zizyphus lotus</i> Fruit: Emulsifying Capacities, Rheological Properties and Antioxidant activities. <i>Chemistry Africa</i> , 2020, 3, 667-678.	1.2	6

#	ARTICLE	IF	CITATIONS
73	Optimization of polysaccharides extraction from quince peels; partial characterization, antioxidant and antiproliferative properties. <i>Natural Product Research</i> , 2020, 34, 1470-1474.	1.0	5
74	Physicochemical Properties of Pectin from <i>Retama raetam</i> Obtained using Sequential Extraction. <i>Journal of Applied Sciences</i> , 2008, 8, 1713-1719.	0.1	4
75	Fraction of Soluble Polysaccharides from <i>Inula crithmoides</i> by Sequential Extraction. <i>Journal of Applied Sciences</i> , 2008, 8, 2442-2448.	0.1	4
76	An AFM Study of the Surface Propriety and Corrosion Inhibition on Carbon Steel in Acidic Media. <i>Advances in Science, Technology and Innovation</i> , 2018, , 1337-1339.	0.2	3
77	Fucoidan alleviates the mitochondria and endoplasmic reticulum stresses in ischemic rat livers. <i>Phytomedicine Plus</i> , 2022, 2, 100250.	0.9	3
78	Green Corrosion Inhibitor for Carbon Steel in 1M HCl: A Comparative Study of Polysaccharides Extracted from Prickly Pear Nopals of <i>Opuntia Ficus-Indica</i> (Peel and Pulp). <i>Advances in Science, Technology and Innovation</i> , 2018, , 1293-1296.	0.2	2
79	Photoprotective potential of a Tunisian halophyte plant <i>Carpobrotus edulis</i> L. <i>European Journal of Integrative Medicine</i> , 2021, 42, 101286.	0.8	2
80	Insights for the control of dried-fruit beetle <i>Carpophilus hemipterus</i> (Nitidulidae) using rosemary essential oil loaded in chitosan nanoparticles. <i>International Journal of Environmental Health Research</i> , 0, , 1-11.	1.3	2
81	Extraction and characterization of polysaccharides from <i>Mesembryanthemum crystallinum</i> . <i>E-Polymers</i> , 2005, 5, .	1.3	1
82	Phytochemical and Bioactivities of Male Flower Buds of Fruit Trees from the Southern Tunisia: Polyphenols UPLC-MS Profiles and Antioxidant Enzymatic Potential in Human Plasma of Parkinson's Disease Patients. <i>Chemistry Africa</i> , 0, , .	1.2	1
83	Shelf Life Prediction and Storage Stability of Deglet Nour Dates (<i>Phoenix dactylifera</i> L.): Microbiological and Organoleptic Properties. <i>Chemistry Africa</i> , 2020, 3, 189-197.	1.2	0