

Muhammad Mujtaba

List of Publications by Citations

Source: <https://exaly.com/author-pdf/1625471/muhammad-mujtaba-publications-by-citations.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

43
papers

1,284
citations

19
h-index

35
g-index

48
ext. papers

1,740
ext. citations

5.9
avg, IF

4.81
L-index

#	Paper	IF	Citations
43	Current advancements in chitosan-based film production for food technology; A review. <i>International Journal of Biological Macromolecules</i> , 2019 , 121, 889-904	7.9	195
42	On chemistry of Chitin. <i>Carbohydrate Polymers</i> , 2017 , 176, 177-186	10.3	151
41	Antioxidative and antimicrobial edible chitosan films blended with stem, leaf and seed extracts of Pistacia terebinthus for active food packaging. <i>RSC Advances</i> , 2018 , 8, 3941-3950	3.7	117
40	Production and characterization of chitosan based edible films from Berberis crataegina's fruit extract and seed oil. <i>Innovative Food Science and Emerging Technologies</i> , 2018 , 45, 287-297	6.8	91
39	The Multifunctional Role of Chitosan in Horticultural Crops; A Review. <i>Molecules</i> , 2018 , 23,	4.8	87
38	Utilization of flax (Linum usitatissimum) cellulose nanocrystals as reinforcing material for chitosan films. <i>International Journal of Biological Macromolecules</i> , 2017 , 104, 944-952	7.9	84
37	Changes in physicochemical properties of chitin at developmental stages (larvae, pupa and adult) of Vespa crabro (wasp). <i>Carbohydrate Polymers</i> , 2016 , 145, 64-70	10.3	49
36	Diatomite as a novel composite ingredient for chitosan film with enhanced physicochemical properties. <i>International Journal of Biological Macromolecules</i> , 2017 , 105, 1401-1411	7.9	43
35	Chitosan-based delivery systems for plants: A brief overview of recent advances and future directions. <i>International Journal of Biological Macromolecules</i> , 2020 , 154, 683-697	7.9	40
34	Fluctuation in physicochemical properties of chitins extracted from different body parts of honeybee. <i>Carbohydrate Polymers</i> , 2015 , 132, 9-16	10.3	37
33	Current trends and challenges in the synthesis and applications of chitosan-based nanocomposites for plants: A review. <i>Carbohydrate Polymers</i> , 2021 , 261, 117904	10.3	33
32	Supplementing capsaicin with chitosan-based films enhanced the anti-quorum sensing, antimicrobial, antioxidant, transparency, elasticity and hydrophobicity. <i>International Journal of Biological Macromolecules</i> , 2018 , 115, 438-446	7.9	31
31	Novel, multifunctional mucilage composite films incorporated with cellulose nanofibers. <i>Food Hydrocolloids</i> , 2019 , 89, 20-28	10.6	29
30	Production of novel chia-mucilage nanocomposite films with starch nanocrystals; An inclusive biological and physicochemical perspective. <i>International Journal of Biological Macromolecules</i> , 2019 , 133, 663-673	7.9	24
29	False flax (Camelina sativa) seed oil as suitable ingredient for the enhancement of physicochemical and biological properties of chitosan films. <i>International Journal of Biological Macromolecules</i> , 2018 , 114, 1224-1232	7.9	24
28	Multifunctional role of brassinosteroid and its analogues in plants. <i>Plant Growth Regulation</i> , 2020 , 92, 141-156	3.2	23
27	Novel three-dimensional cellulose produced from trunk of Astragalus gummifer (Fabaceae) tested for protein adsorption performance. <i>Materials Science and Engineering C</i> , 2016 , 62, 144-51	8.3	22

26	Sugarcane Omics: An Update on the Current Status of Research and Crop Improvement. <i>Plants</i> , 2019 , 8,	4.5	21
25	Surface morphology of chitin highly related with the isolated body part of butterfly (<i>Argynnis pandora</i>). <i>International Journal of Biological Macromolecules</i> , 2015 , 81, 443-9	7.9	19
24	An inclusive physicochemical comparison of natural and synthetic chitin films. <i>International Journal of Biological Macromolecules</i> , 2018 , 106, 1062-1070	7.9	17
23	Newly isolated sporopollenin microcages from <i>Platanus orientalis</i> pollens as a vehicle for controlled drug delivery. <i>Materials Science and Engineering C</i> , 2017 , 77, 263-270	8.3	15
22	Incorporation of sporopollenin enhances acidBase durability, hydrophobicity, and mechanical, antifungal and antioxidant properties of chitosan films. <i>Journal of Industrial and Engineering Chemistry</i> , 2017 , 47, 236-245	6.3	15
21	BK virus nephropathy in simultaneous pancreas kidney transplant: a potentially preventable cause of kidney allograft loss. <i>Clinical Transplantation</i> , 2012 , 26, E87-93	3.8	14
20	Long-term outcomes of transplant recipients referred for angiography for suspected transplant renal artery stenosis. <i>Clinical Transplantation</i> , 2015 , 29, 747-55	3.8	11
19	Determination of Bovine Serum Albumin Adsorption Capacity of Newly Obtained Cellulose extracted from <i>Glycyrrhiza glabra</i> (Licorice). <i>Advances in Polymer Technology</i> , 2018 , 37, 606-611	1.9	10
18	Phytotoxicological effects of engineered nanoparticles: An emerging nanotoxicology. <i>Science of the Total Environment</i> , 2021 , 801, 149809	10.2	10
17	GENDER INFLUENCES DIFFERENTIATION OF CHITIN AMONG BODY PARTS. <i>Archives of Insect Biochemistry and Physiology</i> , 2016 , 93, 96-109	2.3	9
16	Extraction of high thermally stable and nanofibrous chitin from Cicada (Cicadoidea). <i>Entomological Research</i> , 2018 , 48, 480-489	1.3	9
15	Toxicokinetics of metformin-associated lactic acidosis with continuous renal replacement therapy. <i>European Journal of Drug Metabolism and Pharmacokinetics</i> , 2012 , 37, 249-53	2.7	9
14	Chitosan Loses Innate Beneficial Properties after Being Dissolved in Acetic Acid: Supported by Detailed Molecular Modeling. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 18083-18093	8.3	8
13	Nanocarrier-Mediated Delivery of miRNA, RNAi, and CRISPR-Cas for Plant Protection: Current Trends and Future Directions. <i>ACS Agricultural Science and Technology</i> ,		7
12	Understanding the role of phytohormones in cotton fiber development through omic approaches; recent advances and future directions. <i>International Journal of Biological Macromolecules</i> , 2020 , 163, 1301-1313	7.9	6
11	Sponge-derived natural bioactive glass microspheres with self-assembled surface channel arrays opening into a hollow core for bone tissue and controlled drug release applications. <i>Chemical Engineering Journal</i> , 2021 , 407, 126667	14.7	4
10	Detailed adsorption mechanism of plasmid DNA by newly isolated cellulose from waste flower spikes of <i>Thypha latifolia</i> using quantum chemical calculations. <i>International Journal of Biological Macromolecules</i> , 2017 , 102, 914-923	7.9	3
9	Effect of Deterpenated L. Essential Oil on the Physicochemical and Biological Properties of Chitosan/Chitin Nanofibers Nanocomposite Films. <i>Polymers</i> , 2021 , 13,	4.5	3

8	Understanding the effects of copolymerized cellulose nanofibers and diatomite nanocomposite on blend chitosan films. <i>Carbohydrate Polymers</i> , 2021 , 271, 118424	10.3	3
7	Genome-wide characterisation and expression analysis of cellulose synthase genes superfamily under various environmental stresses in <i>Cucumis sativus</i> L.. <i>New Zealand Journal of Crop and Horticultural Science</i> , 2021 , 49, 127-150	0.9	2
6	Newly isolated sporopollenin microcages from <i>Cedrus libani</i> and <i>Pinus nigra</i> as carrier for Oxaliplatin; xCELLigence RTCA-based release assay. <i>Polymer Bulletin</i> , 1	2.4	2
5	A National Survey of Practice Patterns for Accepting Living Kidney Donors With Prior COVID-19. <i>Kidney International Reports</i> , 2021 , 6, 2066-2074	4.1	2
4	Estimation of spatial genetic structure in inter-regional populations of <i>Trigonella foenum-graceum</i> L. species through phenotypic variation and seed protein profiling. <i>Genetika</i> , 2018 , 50, 171-185	0.6	1
3	Newly isolated sporopollenin microcages from <i>Cedrus libani</i> and <i>Pinus nigra</i> for controlled delivery of Oxaliplatin		1
2	Expression analysis of transcription-factor genes related to endoplasmic reticulum stress signaling pathway in alfalfa (<i>Medicago sativa</i> L.). <i>Acta Physiologiae Plantarum</i> , 2022 , 44, 1	2.6	0
1	Living Donor Gifted Lithiasis: Long-Term Outcomes in Recipients. <i>Transplantation Proceedings</i> , 2021 , 53, 1091-1094	1.1	