

Muhammad Mujtaba

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

2,165
citations

304368

22
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223531

46
g-index

48
all docs

48
docs citations

48
times ranked

2620
citing authors

#	ARTICLE	IF	CITATIONS
1	Current advancements in chitosan-based film production for food technology; A review. International Journal of Biological Macromolecules, 2019, 121, 889-904.	3.6	303
2	On chemistry of β -chitin. Carbohydrate Polymers, 2017, 176, 177-186.	5.1	225
3	Antioxidative and antimicrobial edible chitosan films blended with stem, leaf and seed extracts of <i>Pistacia terebinthus</i> for active food packaging. RSC Advances, 2018, 8, 3941-3950.	1.7	196
4	The Multifunctional Role of Chitosan in Horticultural Crops; A Review. Molecules, 2018, 23, 872.	1.7	157
5	Production and characterization of chitosan based edible films from <i>Berberis crataegina</i> 's fruit extract and seed oil. Innovative Food Science and Emerging Technologies, 2018, 45, 287-297.	2.7	146
6	Utilization of flax (<i>Linum usitatissimum</i>) cellulose nanocrystals as reinforcing material for chitosan films. International Journal of Biological Macromolecules, 2017, 104, 944-952.	3.6	116
7	Current trends and challenges in the synthesis and applications of chitosan-based nanocomposites for plants: A review. Carbohydrate Polymers, 2021, 261, 117904.	5.1	106
8	Chitosan-based delivery systems for plants: A brief overview of recent advances and future directions. International Journal of Biological Macromolecules, 2020, 154, 683-697.	3.6	90
9	Changes in physicochemical properties of chitin at developmental stages (larvae, pupa and adult) of <i>Vespa crabro</i> (wasp). Carbohydrate Polymers, 2016, 145, 64-70.	5.1	67
10	Diatomite as a novel composite ingredient for chitosan film with enhanced physicochemical properties. International Journal of Biological Macromolecules, 2017, 105, 1401-1411.	3.6	56
11	Supplementing capsaicin with chitosan-based films enhanced the anti-quorum sensing, antimicrobial, antioxidant, transparency, elasticity and hydrophobicity. International Journal of Biological Macromolecules, 2018, 115, 438-446.	3.6	55
12	Multifunctional role of brassinosteroid and its analogues in plants. Plant Growth Regulation, 2020, 92, 141-156.	1.8	47
13	Fluctuation in physicochemical properties of chitins extracted from different body parts of honeybee. Carbohydrate Polymers, 2015, 132, 9-16.	5.1	46
14	Production of novel chia-mucilage nanocomposite films with starch nanocrystals; An inclusive biological and physicochemical perspective. International Journal of Biological Macromolecules, 2019, 133, 663-673.	3.6	45
15	Novel, multifunctional mucilage composite films incorporated with cellulose nanofibers. Food Hydrocolloids, 2019, 89, 20-28.	5.6	45
16	Sugarcane Omics: An Update on the Current Status of Research and Crop Improvement. Plants, 2019, 8, 344.	1.6	43
17	Nanocarrier-Mediated Delivery of miRNA, RNAi, and CRISPR-Cas for Plant Protection: Current Trends and Future Directions. ACS Agricultural Science and Technology, 2021, 1, 417-435.	1.0	37
18	False flax (<i>Camelina sativa</i>) seed oil as suitable ingredient for the enhancement of physicochemical and biological properties of chitosan films. International Journal of Biological Macromolecules, 2018, 114, 1224-1232.	3.6	35

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19	Phytotoxicological effects of engineered nanoparticles: An emerging nanotoxicology. <i>Science of the Total Environment</i> , 2021, 801, 149809.	3.9	35
20	Surface morphology of chitin highly related with the isolated body part of butterfly (<i>Argynnis</i>) Tj ETQq0 0 0 rgBT /Qverlock 10 Tf 50 702	3.6	26
21	Novel three-dimensional cellulose produced from trunk of <i>Astragalus gummifer</i> (Fabaceae) tested for protein adsorption performance. <i>Materials Science and Engineering C</i> , 2016, 62, 144-151.	3.8	25
22	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.	3.8	25
23	Incorporation of sporopollenin enhances acid-base durability, hydrophobicity, and mechanical, antifungal and antioxidant properties of chitosan films. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 47, 236-245.	2.9	22
24	An inclusive physicochemical comparison of natural and synthetic chitin films. <i>International Journal of Biological Macromolecules</i> , 2018, 106, 1062-1070.	3.6	21
25	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.	3.6	19
26	<scp>BK</scp> virus nephropathy in simultaneous pancreas kidney transplant: a potentially preventable cause of kidney allograft loss. <i>Clinical Transplantation</i> , 2012, 26, E87-93.	0.8	18
27	Understanding the effects of copolymerized cellulose nanofibers and diatomite nanocomposite on blend chitosan films. <i>Carbohydrate Polymers</i> , 2021, 271, 118424.	5.1	18
28	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.	0.8	16
29	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.	6.6	16
30	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.	3.2	15
31	Long-term outcomes of transplant recipients referred for angiography for suspected transplant renal artery stenosis. <i>Clinical Transplantation</i> , 2015, 29, 747-755.	0.8	13
32	Toxicokinetics of metformin-associated lactic acidosis with continuous renal replacement therapy. <i>European Journal of Drug Metabolism and Pharmacokinetics</i> , 2012, 37, 249-253.	0.6	12
33	GENDER INFLUENCES DIFFERENTIATION OF CHITIN AMONG BODY PARTS. <i>Archives of Insect Biochemistry and Physiology</i> , 2016, 93, 96-109.	0.6	12
34	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.	0.7	11
35	Extraction of high thermally stable and nanofibrous chitin from <i>Cicada</i> (Cicadoidea). <i>Entomological Research</i> , 2018, 48, 480-489.	0.6	10
36	Effect of Deterpenated <i>Origanum majorana</i> L. Essential Oil on the Physicochemical and Biological Properties of Chitosan/β ² -Chitin Nanofibers Nanocomposite Films. <i>Polymers</i> , 2021, 13, 1507.	2.0	8

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37	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.	3.6	5
38	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> , 2022, 79, 519-540.	1.7	5
39	Evaluation of powdery mildew resistance of a diverse set of grape cultivars and testing the association between powdery mildew resistance and PR gene expression. <i>Türk Tarım Ve Ormancılık Dergisi/Turkish Journal of Agriculture and Forestry</i> , 2021, 45, 273-284.	0.8	4
40	A National Survey of Practice Patterns for Accepting Living Kidney Donors With Prior COVID-19. <i>Kidney International Reports</i> , 2021, 6, 2066-2074.	0.4	3
41	Differentiation of thermal properties of pollens on genus level. <i>Communications Faculty of Science University of Ankara Series C Biology Geological Engineering and Geophysical Engineering</i> , 2018, 27, 177-184.	0.0	2
42	An investigation of pollen grain thermal diversity on species level. <i>Communications Faculty of Science University of Ankara Series C Biology Geological Engineering and Geophysical Engineering</i> , 2018, 27, 170-176.	0.0	2
43	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.	1.0	2
44	Living Donor Gifted Lithiasis: Long-Term Outcomes in Recipients. <i>Transplantation Proceedings</i> , 2021, 53, 1091-1094.	0.3	1
45	Assessment of Biological and Antioxidant Capacities of <i>Myrtus communis</i> L. Leaf and Fruit Extracts from Mediterranean Region of Turkey. <i>Journal of Microbiology and Biotechnology Research</i> , 2017, 7, 16.	0.3	1
46	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.	0.1	1
47	The Comparison of Regeneration from Root Node Explants in <i>Solanaceae</i> . <i>Polish Journal of Environmental Studies</i> , 2021, 30, 4153-4162.	0.6	0