

Muhammad Mujtaba

List of Publications by Year in Descending Order

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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.

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	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
42	Living Donor Gifted Lithiasis: Long-Term Outcomes in Recipients. <i>Transplantation Proceedings</i> , 2021 , 53, 1091-1094	1.1	
41	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
40	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
39	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
38	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
37	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
36	Understanding the effects of copolymerized cellulose nanofibers and diatomite nanocomposite on blend chitosan films. <i>Carbohydrate Polymers</i> , 2021 , 271, 118424	10.3	3
35	Phytotoxicological effects of engineered nanoparticles: An emerging nanotoxicology. <i>Science of the Total Environment</i> , 2021 , 801, 149809	10.2	10
34	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
33	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
32	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
31	Multifunctional role of brassinosteroid and its analogues in plants. <i>Plant Growth Regulation</i> , 2020 , 92, 141-156	3.2	23
30	Sugarcane Omics: An Update on the Current Status of Research and Crop Improvement. <i>Plants</i> , 2019 , 8,	4.5	21
29	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
28	Novel, multifunctional mucilage composite films incorporated with cellulose nanofibers. <i>Food Hydrocolloids</i> , 2019 , 89, 20-28	10.6	29
27	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

26	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
25	False flax (<i>Camelina sativa</i>) 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
24	Antioxidative and antimicrobial edible chitosan films blended with stem, leaf and seed extracts of <i>Pistacia terebinthus</i> for active food packaging. <i>RSC Advances</i> , 2018 , 8, 3941-3950	3.7	117
23	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
22	An inclusive physicochemical comparison of natural and synthetic chitin films. <i>International Journal of Biological Macromolecules</i> , 2018 , 106, 1062-1070	7.9	17
21	Extraction of high thermally stable and nanofibrous chitin from Cicada (Cicadoidea). <i>Entomological Research</i> , 2018 , 48, 480-489	1.3	9
20	The Multifunctional Role of Chitosan in Horticultural Crops; A Review. <i>Molecules</i> , 2018 , 23,	4.8	87
19	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
18	Production and characterization of chitosan based edible films from <i>Berberis crataegina</i> 's fruit extract and seed oil. <i>Innovative Food Science and Emerging Technologies</i> , 2018 , 45, 287-297	6.8	91
17	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
16	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
15	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
14	On chemistry of Chitin. <i>Carbohydrate Polymers</i> , 2017 , 176, 177-186	10.3	151
13	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
12	Utilization of flax (<i>Linum usitatissimum</i>) cellulose nanocrystals as reinforcing material for chitosan films. <i>International Journal of Biological Macromolecules</i> , 2017 , 104, 944-952	7.9	84
11	GENDER INFLUENCES DIFFERENTIATION OF CHITIN AMONG BODY PARTS. <i>Archives of Insect Biochemistry and Physiology</i> , 2016 , 93, 96-109	2.3	9
10	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, 144-51	8.3	22
9	Changes in physicochemical properties of chitin at developmental stages (larvae, pupa and adult) of <i>Vespa crabro</i> (wasp). <i>Carbohydrate Polymers</i> , 2016 , 145, 64-70	10.3	49

8	Fluctuation in physicochemical properties of chitins extracted from different body parts of honeybee. <i>Carbohydrate Polymers</i> , 2015 , 132, 9-16	10.3	37
7	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
6	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
5	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
4	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
3	Newly isolated sporopollenin microcages from <i>Cedrus libani</i> and <i>Pinus nigra</i> for controlled delivery of Oxaliplatin		1
2	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
1	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