

# Muhammad Asif Nawaz

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

1,517  
citations

623734

14  
h-index

477307

29  
g-index

31  
all docs

31  
docs citations

31  
times ranked

2545  
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation, characterization and stability studies of cross-linked $\alpha$ -amylase aggregates (CLAAs) for continuous liquefaction of starch. <i>International Journal of Biological Macromolecules</i> , 2021, 173, 267-276.	7.5	7
2	Plant growth regulators and EDTA improve phytoremediation potential and antioxidant response of <i>Dysphania ambrosioides</i> (L.) Mosyakin & Clemants in a Cd-spiked soil. <i>Environmental Science and Pollution Research</i> , 2021, 28, 43417-43430.	5.3	19
3	Thermodynamics, kinetics and optimization of catalytic behavior of polyacrylamide-entrapped carboxymethyl cellulase (CMCase) for prospective industrial use. <i>Bioprocess and Biosystems Engineering</i> , 2021, 44, 2417-2427.	3.4	4
4	Semi-Quantification of Lectins in Rice ( <i>Oryza sativa</i> L.) Genotypes via Hemagglutination. <i>Agronomy</i> , 2021, 11, 1899.	3.0	2
5	Isolation and characterization of bacteriophage to control multidrug-resistant <i>Pseudomonas aeruginosa</i> planktonic cells and biofilm. <i>Biologicals</i> , 2020, 63, 89-96.	1.4	40
6	Utilization of different polymers for the improvement of catalytic properties and recycling efficiency of bacterial maltase. <i>International Journal of Biological Macromolecules</i> , 2020, 163, 1344-1352.	7.5	3
7	Encapsulation of pectinase within polyacrylamide gel: characterization of its catalytic properties for continuous industrial uses. <i>Heliyon</i> , 2020, 6, e04578.	3.2	10
8	Alleviation of shoot tip necrosis in in vitro propagation of <i>Salvia santolinifolia</i> , Boiss. <i>Romanian Biotechnological Letters</i> , 2020, 25, 1356-1361.	0.5	0
9	Isolation, characterization and efficacy of phage MJ2 against biofilm forming multi-drug resistant <i>Enterobacter cloacae</i> . <i>Folia Microbiologica</i> , 2019, 64, 101-111.	2.3	33
10	Improvement of catalytic properties of starch hydrolyzing fungal amyloglucosidase: Utilization of agar-agar as an organic matrix for immobilization. <i>Carbohydrate Research</i> , 2019, 486, 107860.	2.3	11
11	Maltose deterioration approach: Catalytic behavior optimization and stability profile of maltase from <i>Bacillus licheniformis</i> KIBGE-IB4. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2019, 24, e00400.	4.4	1
12	Xylan deterioration approach: Purification and catalytic behavior optimization of a novel $\beta$ -1,4-d-xylanohydrolase from <i>Geobacillus stearothermophilus</i> KIBGE-IB29. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2019, 21, e00299.	4.4	3
13	Characterization of cross-linked amyloglucosidase aggregates from <i>Aspergillus fumigatus</i> KIBGE-IB33 for continuous production of glucose. <i>International Journal of Biological Macromolecules</i> , 2019, 135, 1252-1260.	7.5	14
14	Significance of metal ions, solvents and surfactants to improve the xylan degrading behavior of $\beta$ -1,4-D-xylanohydrolase from <i>Geobacillus stearothermophilus</i> KIBGE-IB29. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 17, 242-246.	3.1	3
15	Characterization and interplay of bacteriocin and exopolysaccharide-mediated silver nanoparticles as an antibacterial agent. <i>International Journal of Biological Macromolecules</i> , 2018, 115, 643-650.	7.5	21
16	Bacterial biofilm and associated infections. <i>Journal of the Chinese Medical Association</i> , 2018, 81, 7-11.	1.4	973
17	Agarose Hydrogel Beads: An Effective Approach to Improve the Catalytic Activity, Stability and Reusability of Fungal Amyloglucosidase of GH15 Family. <i>Catalysis Letters</i> , 2018, 148, 2643-2653.	2.6	12
18	In vivo and in silico sedative-hypnotic like activity of 7-methyljuglone isolated from <i>Diospyros lotus</i> L.. <i>Biomedicine and Pharmacotherapy</i> , 2017, 87, 678-682.	5.6	14

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19	Role of Anionic Polysaccharide (Alginate) on Activity, Stability and Recycling Efficiency of Bacterial Endo (1 $\rightarrow$ 4) $\beta$ -D-Glucanase of GH12 Family. <i>Catalysis Letters</i> , 2017, 147, 1792-1801.	2.6	7
20	Potassium and zinc increase tolerance to salt stress in wheat ( <i>Triticum aestivum</i> L.). <i>Plant Physiology and Biochemistry</i> , 2017, 116, 139-149.	5.8	97
21	Chitosan hydrogel microspheres: an effective covalent matrix for crosslinking of soluble dextranase to increase stability and recycling efficiency. <i>Bioprocess and Biosystems Engineering</i> , 2017, 40, 451-461.	3.4	18
22	Production of $\beta$ -1,4-glucosidase from <i>Bacillus licheniformis</i> KIBGE-IB4 by utilizing sweet potato peel. <i>Environmental Science and Pollution Research</i> , 2017, 24, 4058-4066.	5.3	11
23	Isolation and characterization of a bacteriophage and its utilization against multi-drug resistant <i>Pseudomonas aeruginosa</i> -2995. <i>Life Sciences</i> , 2017, 190, 21-28.	4.3	29
24	Maltase entrapment approach as an efficient alternative to increase the stability and recycling efficiency of free enzyme within agarose matrix. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 64, 31-38.	5.3	21
25	Polyacrylamide Gel-Entrapped Maltase: An Excellent Design of Using Maltase in Continuous Industrial Processes. <i>Applied Biochemistry and Biotechnology</i> , 2016, 179, 383-397.	2.9	7
26	Immobilization of pectin depolymerising polygalacturonase using different polymers. <i>International Journal of Biological Macromolecules</i> , 2016, 82, 127-133.	7.5	48
27	Continuous degradation of maltose: improvement in stability and catalytic properties of maltase ( $\beta$ -glucosidase) through immobilization using agar-agar gel as a support. <i>Bioprocess and Biosystems Engineering</i> , 2015, 38, 631-638.	3.4	21
28	Continuous degradation of maltose by enzyme entrapment technology using calcium alginate beads as a matrix. <i>Biochemistry and Biophysics Reports</i> , 2015, 4, 250-256.	1.3	31
29	Morphological and molecular based identification of pectinase producing <i>Bacillus licheniformis</i> from rotten vegetable. <i>Journal of Genetic Engineering and Biotechnology</i> , 2015, 13, 139-144.	3.3	24
30	Hyper production of cellulose degrading endo (1,4) $\beta$ -D-glucanase from <i>Bacillus licheniformis</i> KIBGE-IB2. <i>Journal of Radiation Research and Applied Sciences</i> , 2015, 8, 160-165.	1.2	32