

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	Bacterial biofilm and associated infections. Journal of the Chinese Medical Association, 2018, 81, 7-11.	1.4	973
2	Potassium and zinc increase tolerance to salt stress in wheat (<i>Triticum aestivum</i> L.). Plant Physiology and Biochemistry, 2017, 116, 139-149.	5.8	97
3	Immobilization of pectin depolymerising polygalacturonase using different polymers. International Journal of Biological Macromolecules, 2016, 82, 127-133.	7.5	48
4	Isolation and characterization of bacteriophage to control multidrug-resistant <i>Pseudomonas aeruginosa</i> planktonic cells and biofilm. Biologicals, 2020, 63, 89-96.	1.4	40
5	Isolation, characterization and efficacy of phage MJ2 against biofilm forming multi-drug resistant <i>Enterobacter cloacae</i> . Folia Microbiologica, 2019, 64, 101-111.	2.3	33
6	Hyper production of cellulose degrading endo (1,4) β -D-glucanase from <i>Bacillus licheniformis</i> KIBGE-IB2. Journal of Radiation Research and Applied Sciences, 2015, 8, 160-165.	1.2	32
7	Continuous degradation of maltose by enzyme entrapment technology using calcium alginate beads as a matrix. Biochemistry and Biophysics Reports, 2015, 4, 250-256.	1.3	31
8	Isolation and characterization of a bacteriophage and its utilization against multi-drug resistant <i>Pseudomonas aeruginosa</i> -2995. Life Sciences, 2017, 190, 21-28.	4.3	29
9	Morphological and molecular based identification of pectinase producing <i>Bacillus licheniformis</i> from rotten vegetable. Journal of Genetic Engineering and Biotechnology, 2015, 13, 139-144.	3.3	24
10	Continuous degradation of maltose: improvement in stability and catalytic properties of maltase (α -glucosidase) through immobilization using agar-agar gel as a support. Bioprocess and Biosystems Engineering, 2015, 38, 631-638.	3.4	21
11	Maltase entrapment approach as an efficient alternative to increase the stability and recycling efficiency of free enzyme within agarose matrix. Journal of the Taiwan Institute of Chemical Engineers, 2016, 64, 31-38.	5.3	21
12	Characterization and interplay of bacteriocin and exopolysaccharide-mediated silver nanoparticles as an antibacterial agent. International Journal of Biological Macromolecules, 2018, 115, 643-650.	7.5	21
13	Plant growth regulators and EDTA improve phytoremediation potential and antioxidant response of <i>Dysphania ambrosioides</i> (L.) Mosyakin & Clemants in a Cd-spiked soil. Environmental Science and Pollution Research, 2021, 28, 43417-43430.	5.3	19
14	Chitosan hydrogel microspheres: an effective covalent matrix for crosslinking of soluble dextranase to increase stability and recycling efficiency. Bioprocess and Biosystems Engineering, 2017, 40, 451-461.	3.4	18
15	In vivo and in silico sedative-hypnotic like activity of 7-methyljuglone isolated from <i>Diospyros lotus</i> L.. Biomedicine and Pharmacotherapy, 2017, 87, 678-682.	5.6	14
16	Characterization of cross-linked amyloglucosidase aggregates from <i>Aspergillus fumigatus</i> KIBGE-IB33 for continuous production of glucose. International Journal of Biological Macromolecules, 2019, 135, 1252-1260.	7.5	14
17	Agarose Hydrogel Beads: An Effective Approach to Improve the Catalytic Activity, Stability and Reusability of Fungal Amyloglucosidase of GH15 Family. Catalysis Letters, 2018, 148, 2643-2653.	2.6	12
18	Production of α -1,4-glucosidase from <i>Bacillus licheniformis</i> KIBGE-IB4 by utilizing sweet potato peel. Environmental Science and Pollution Research, 2017, 24, 4058-4066.	5.3	11

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19	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
20	Encapsulation of pectinase within polyacrylamide gel: characterization of its catalytic properties for continuous industrial uses. <i>Heliyon</i> , 2020, 6, e04578.	3.2	10
21	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
22	Role of Anionic Polysaccharide (Alginate) on Activity, Stability and Recycling Efficiency of Bacterial Endo (1 \rightarrow 4) β -D-Glucanase of GH12 Family. <i>Catalysis Letters</i> , 2017, 147, 1792-1801.	2.6	7
23	Preparation, characterization and stability studies of cross-linked β -amylase aggregates (CLAAs) for continuous liquefaction of starch. <i>International Journal of Biological Macromolecules</i> , 2021, 173, 267-276.	7.5	7
24	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
25	Xylan deterioration approach: Purification and catalytic behavior optimization of a novel β -1,4-d-xylanohydrolase from <i>Geobacillus stearothermophilus</i> KIBGE-IB29. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2019, 21, e00299.	4.4	3
26	Significance of metal ions, solvents and surfactants to improve the xylan degrading behavior of β -1,4-D-xylanohydrolase from <i>Geobacillus stearothermophilus</i> KIBGE-IB29. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 17, 242-246.	3.1	3
27	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
28	Semi-Quantification of Lectins in Rice (<i>Oryza sativa</i> L.) Genotypes via Hemagglutination. <i>Agronomy</i> , 2021, 11, 1899.	3.0	2
29	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
30	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