

Muhammad Asgher

List of Publications by Citations

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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.

65
papers

3,143
citations

30
h-index

55
g-index

68
ext. papers

3,628
ext. citations

4.3
avg, IF

5.99
L-index

#	Paper	IF	Citations
65	Recent developments in biodegradation of industrial pollutants by white rot fungi and their enzyme system. <i>Biodegradation</i> , 2008 , 19, 771-83	4.1	344
64	Immobilized ligninolytic enzymes: An innovative and environmental responsive technology to tackle dye-based industrial pollutants - A review. <i>Science of the Total Environment</i> , 2017 , 576, 646-659	10.2	264
63	Lignocellulose: A sustainable material to produce value-added products with a zero waste approach-A review. <i>International Journal of Biological Macromolecules</i> , 2017 , 99, 308-318	7.9	225
62	Recent trends and valorization of immobilization strategies and ligninolytic enzymes by industrial biotechnology. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2014 , 101, 56-66		177
61	Multi-point enzyme immobilization, surface chemistry, and novel platforms: a paradigm shift in biocatalyst design. <i>Critical Reviews in Biotechnology</i> , 2019 , 39, 202-219	9.4	137
60	Biotransformation of lignocellulosic materials into value-added products-A review. <i>International Journal of Biological Macromolecules</i> , 2017 , 98, 447-458	7.9	136
59	Chitosan beads immobilized manganese peroxidase catalytic potential for detoxification and decolorization of textile effluent. <i>International Journal of Biological Macromolecules</i> , 2016 , 89, 181-9	7.9	121
58	Bio-based active food packaging materials: Sustainable alternative to conventional petrochemical-based packaging materials. <i>Food Research International</i> , 2020 , 137, 109625	7	106
57	Cross-linked enzyme aggregates (CLEAs) of <i>Penicillium notatum</i> lipase enzyme with improved activity, stability and reusability characteristics. <i>International Journal of Biological Macromolecules</i> , 2016 , 91, 1161-9	7.9	104
56	Dye decolorization and detoxification potential of Ca-alginate beads immobilized manganese peroxidase. <i>BMC Biotechnology</i> , 2015 , 15, 111	3.5	90
55	Bio-based degradation of emerging endocrine-disrupting and dye-based pollutants using cross-linked enzyme aggregates. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 7035-7041	5.1	87
54	Enzyme-based solutions for textile processing and dye contaminant biodegradation-a review. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 14005-14018	5.1	87
53	Characteristic features and dye degrading capability of agar-agar gel immobilized manganese peroxidase. <i>International Journal of Biological Macromolecules</i> , 2016 , 86, 728-40	7.9	74
52	Immobilized lignin peroxidase from <i>Ganoderma lucidum</i> IBL-05 with improved dye decolorization and cytotoxicity reduction properties. <i>International Journal of Biological Macromolecules</i> , 2017 , 103, 57-64	7.9	70
51	Improvement of activity, thermo-stability and fruit juice clarification characteristics of fungal exo-polygalacturonase. <i>International Journal of Biological Macromolecules</i> , 2017 , 95, 974-984	7.9	69
50	Sandal reactive dyes decolorization and cytotoxicity reduction using manganese peroxidase immobilized onto polyvinyl alcohol-alginate beads. <i>Chemistry Central Journal</i> , 2015 , 9, 47		65
49	Enhancement of catalytic, reusability, and long-term stability features of <i>Trametes versicolor</i> IBL-04 laccase immobilized on different polymers. <i>International Journal of Biological Macromolecules</i> , 2017 , 95, 54-62	7.9	61

48	Characterization of purified and xerogel immobilized novel lignin peroxidase produced from <i>Trametes versicolor</i> IBL-04 using solid state medium of corncobs. <i>BMC Biotechnology</i> , 2012 , 12, 46	3.5	56
47	Bio-catalytic performance and dye-based industrial pollutants degradation potential of agarose-immobilized MnP using a Packed Bed Reactor System. <i>International Journal of Biological Macromolecules</i> , 2017 , 102, 582-590	7.9	51
46	Decolorization potential of mixed microbial consortia for reactive and disperse textile dyestuffs. <i>Biodegradation</i> , 2007 , 18, 311-6	4.1	50
45	Improvement of Catalytic Efficiency, Thermo-stability and Dye Decolorization Capability of <i>Pleurotus ostreatus</i> IBL-02 laccase by Hydrophobic Sol Gel Entrapment. <i>Chemistry Central Journal</i> , 2012 , 6, 110		48
44	Improved exopolysaccharide production from <i>Bacillus licheniformis</i> MS3: Optimization and structural/functional characterization. <i>International Journal of Biological Macromolecules</i> , 2020 , 151, 984-992	7.9	47
43	Enhanced decolorization of Solar brilliant red 80 textile dye by an indigenous white rot fungus <i>Schizophyllum commune</i> IBL-06. <i>Saudi Journal of Biological Sciences</i> , 2013 , 20, 347-52	4	45
42	Delignification of Lignocellulose Biomasses by Alginate-Chitosan Immobilized Laccase Produced from <i>Trametes versicolor</i> IBL-04. <i>Waste and Biomass Valorization</i> , 2018 , 9, 2071-2079	3.2	36
41	Improved catalytic properties of <i>Penicillium notatum</i> lipase immobilized in nanoscale silicone polymeric films. <i>International Journal of Biological Macromolecules</i> , 2017 , 97, 279-286	7.9	34
40	Environmentally responsive and anti-bugs textile finishes - Recent trends, challenges, and future perspectives. <i>Science of the Total Environment</i> , 2019 , 690, 667-682	10.2	34
39	Enhanced Bio-ethanol Production from Old Newspapers Waste Through Alkali and Enzymatic Delignification. <i>Waste and Biomass Valorization</i> , 2017 , 8, 2271-2281	3.2	33
38	Novel catalytic and effluent decolorization functionalities of sol-gel immobilized <i>Pleurotus ostreatus</i> IBL-02 manganese peroxidase produced from bio-processing of wheat straw. <i>Chinese Journal of Catalysis</i> , 2013 , 34, 1756-1761	11.3	32
37	Engineering enzyme-coupled hybrid nanoflowers: The quest for optimum performance to meet biocatalytic challenges and opportunities. <i>International Journal of Biological Macromolecules</i> , 2019 , 135, 677-690	7.9	30
36	Immobilization of Alkaline Protease From <i>Bacillus brevis</i> Using Ca-Alginate Entrapment Strategy for Improved Catalytic Stability, Silver Recovery, and Dehairing Potentialities. <i>Catalysis Letters</i> , 2020 , 150, 3572-3583	2.8	30
35	Gelatin-Immobilized Manganese Peroxidase with Novel Catalytic Characteristics and Its Industrial Exploitation for Fruit Juice Clarification Purposes. <i>Catalysis Letters</i> , 2016 , 146, 2221-2228	2.8	30
34	Bacterial cellulose-assisted de-lignified wheat straw-PVA based bio-composites with novel characteristics. <i>Carbohydrate Polymers</i> , 2017 , 161, 244-252	10.3	29
33	Improved biosurfactant production from <i>Aspergillus niger</i> through chemical mutagenesis: characterization and RSM optimization. <i>SN Applied Sciences</i> , 2020 , 2, 1	1.8	29
32	Protease-based cross-linked enzyme aggregates with improved catalytic stability, silver removal, and dehairing potentials. <i>International Journal of Biological Macromolecules</i> , 2018 , 118, 1247-1256	7.9	26
31	Multiple Parameter Optimizations for Enhanced Biosynthesis of Exo-polygalacturonase Enzyme and its Application in Fruit Juice Clarification. <i>International Journal of Food Engineering</i> , 2017 , 13,	1.9	24

30	Hyperactivation and thermostabilization of Phanerochaete chrysosporium lignin peroxidase by immobilization in xerogels. <i>World Journal of Microbiology and Biotechnology</i> , 2007 , 23, 525-531	4.4	24
29	Removal of direct Red-31 and direct Orange-26 by low cost rice husk: Influence of immobilisation and pretreatments. <i>Canadian Journal of Chemical Engineering</i> , 2011 , 89, 1554-1565	2.3	21
28	Statistical Correlation between Ligninolytic Enzymes Secretion and Remazol Brilliant Yellow-3GL Dye Degradation Potential of Trametes versicolor IBL-04. <i>Water Environment Research</i> , 2016 , 88, 338-45	2.8	19
27	Kinetic characterization, thermo-stability and Reactive Red 195A dye detoxifying properties of manganese peroxidase-coupled gelatin hydrogel. <i>Water Science and Technology</i> , 2016 , 74, 1809-1820	2.2	19
26	Catalytic, Kinetic and Thermodynamic Characteristics of an Extracellular Lipase from Penicillium notatum. <i>Catalysis Letters</i> , 2017 , 147, 281-291	2.8	17
25	Strain Improvement Through UV and Chemical Mutagenesis for Enhanced Citric Acid Production in Molasses-Based Solid State Fermentation. <i>Food Biotechnology</i> , 2010 , 24, 165-179	2.2	17
24	Decolourisation of direct dyes with manganese peroxidase from white rot basidiomycete Ganoderma lucidum-IBL-5. <i>Canadian Journal of Chemical Engineering</i> , 2009 , 87, 435-440	2.3	17
23	Development of biocomposites based on bacterial cellulose reinforced delignified rice husk-PVA plasticized with glycerol. <i>Journal of Polymer Research</i> , 2020 , 27, 1	2.7	16
22	Purification, Kinetic, and Thermodynamic Characteristics of an Exo-polygalacturonase from Penicillium notatum with Industrial Perspective. <i>Applied Biochemistry and Biotechnology</i> , 2017 , 183, 426-443	2.2	14
21	Antioxidant profiling of native and modified cereal brans. <i>International Journal of Food Science and Technology</i> , 2019 , 54, 1206-1214	3.8	12
20	Microbial exopolysaccharide-based nano-carriers with unique multi-functionalities for biomedical sectors. <i>Biologia (Poland)</i> , 2021 , 76, 673-685	1.5	12
19	Decolorization of dye-containing textile industry effluents using Ganoderma lucidum IBL-05 in still cultures. <i>Water Environment Research</i> , 2010 , 82, 357-61	2.8	11
18	Optimization of biosurfactant production from chemically mutated strain of Bacillus subtilis using waste automobile oil as low-cost substrate. <i>Environmental Sustainability</i> , 2020 , 3, 405-413	2.9	11
17	Biochemical profiling of Pakistani sorghum and millet varieties with special reference to anthocyanins and condensed tannins. <i>International Journal of Food Properties</i> , 2018 , 21, 1586-1597	3	9
16	Lignocellulose-degrading enzyme production by Pleurotus sapidus WC 529 and its application in lignin degradation / Lignoselbuz-2011 Enzim Etiminde Pleurotus sapidus WC 529 ve lignin parçalanması daki uygulamalar <i>Turkish Journal of Biochemistry</i> , 2016 , 41,	0.3	6
15	Comparative sequence analysis of citrate synthase and 18S ribosomal DNA from a wild and mutant strains of Aspergillus niger with various fungi. <i>Bioinformation</i> , 2014 , 10, 1-7	1.1	5
14	Sustainable Production, Optimization, and Partial Characterization of Exopolysaccharides by Macrocooccus brunensis. <i>Waste and Biomass Valorization</i> ,1	3.2	5
13	Multifunctional materials conjugated with near-infrared fluorescent organic molecules and their targeted cancer bioimaging potentialities. <i>Biomedical Physics and Engineering Express</i> , 2020 , 6, 012003	1.5	3

12	Remediation of Pb(II) using <i>Pleurotus sajor-caju</i> isolated from metal-contaminated site. <i>Desalination and Water Treatment</i> , 2015 , 56, 2532-2542		3
11	Effect of Exogenous Protease, Mannanase, and Xylanase Supplementation in Corn and High Protein Corn DDGS Based Diets on Growth Performance, Intestinal Morphology and Nutrient Digestibility in Broiler Chickens. <i>Brazilian Journal of Poultry Science</i> , 2019 , 21,	1.3	3
10	Poly(vinyl Alcohol)-Alginate Immobilized <i>Trametes versicolor</i> IBL-04 Laccase as Eco-friendly Biocatalyst for Dyes Degradation. <i>Catalysis Letters</i> , 2021 , 1	2.8	3
9	Optimization of process variables for enhanced production of extracellular lipase by <i>Pleurotus ostreatus</i> IBL-02 in solid-state fermentation. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2019 , 32, 617-624	0.4	3
8	Exploring Marine as a Rich Source of Bioactive Peptides: Challenges and Opportunities from Marine Pharmacology.. <i>Marine Drugs</i> , 2022 , 20,	6	3
7	Enhanced Production Of Streptokinase By Chemical Mutagenesis Of <i>Streptococcus agalactiae</i> EBL-20. <i>Brazilian Archives of Biology and Technology</i> , 2019 , 62,	1.8	2
6	Enhanced production of streptokinase from <i>Streptococcus agalactiae</i> EBL-31 by response surface methodology. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2018 , 31, 1597-1602	0.4	2
5	Optimization of pH, temperature and CaCl ₂ concentrations for Ricotta cheese production from Buffalo cheese whey using Response Surface Methodology. <i>Journal of Dairy Research</i> , 2017 , 84, 109-116	1.6	1
4	Citrate synthase gene comparison and use of RAPD genomic fingerprinting to study relatedness among different <i>Aspergillus</i> sp (912.1). <i>FASEB Journal</i> , 2014 , 28, 912.1	0.9	1
3	Fabrication and Catalytic Characterization of Laccase-Loaded Calcium-Alginate Beads for Enhanced Degradation of Dye-Contaminated Aqueous Solutions. <i>Catalysis Letters</i> , 2021 , 1	2.8	1
2	First Report on the Bioremediation of Textile Industrial Effluents by <i>Piptoporus Betulinus</i> IEBL-3 by Using Response Surface Methodology. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 1090	2.6	0
1	Exopolysaccharides production from marine <i>Bacillus</i> strains and their antioxidant and bio-flocculant capacities.. <i>Archives of Microbiology</i> , 2022 , 204, 250	3	0