

Muhammad Asgher

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.

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	First Report on the Bioremediation of Textile Industrial Effluents by Piptoporus Betulinus IEBL-3 by Using Response Surface Methodology. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 1090	2.6	0
64	Exploring Marine as a Rich Source of Bioactive Peptides: Challenges and Opportunities from Marine Pharmacology.. <i>Marine Drugs</i> , 2022 , 20,	6	3
63	Exopolysaccharides production from marine Bacillus strains and their antioxidant and bio-flocculant capacities.. <i>Archives of Microbiology</i> , 2022 , 204, 250	3	0
62	Microbial exopolysaccharide-based nano-carriers with unique multi-functionalities for biomedical sectors. <i>Biologia (Poland)</i> , 2021 , 76, 673-685	1.5	12
61	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
60	Poly(vinyl Alcohol)-Alginate Immobilized Trametes versicolor IBL-04 Laccase as Eco-friendly Biocatalyst for Dyes Degradation. <i>Catalysis Letters</i> , 2021 , 1	2.8	3
59	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
58	Improved biosurfactant production from Aspergillus niger through chemical mutagenesis: characterization and RSM optimization. <i>SN Applied Sciences</i> , 2020 , 2, 1	1.8	29
57	Immobilization of Alkaline Protease From Bacillus brevis 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
56	Improved exopolysaccharide production from Bacillus licheniformis MS3: Optimization and structural/functional characterization. <i>International Journal of Biological Macromolecules</i> , 2020 , 151, 984-992	7.9	47
55	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
54	Bio-based active food packaging materials: Sustainable alternative to conventional petrochemical-based packaging materials. <i>Food Research International</i> , 2020 , 137, 109625	7	106
53	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
52	Enhanced Production Of Streptokinase By Chemical Mutagenesis Of Streptococcus agalactiae EBL-20. <i>Brazilian Archives of Biology and Technology</i> , 2019 , 62,	1.8	2
51	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
50	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
49	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

48	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
47	Antioxidant profiling of native and modified cereal brans. <i>International Journal of Food Science and Technology</i> , 2019 , 54, 1206-1214	3.8	12
46	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
45	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
44	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
43	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
42	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
41	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
40	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
39	Biotransformation of lignocellulosic materials into value-added products-A review. <i>International Journal of Biological Macromolecules</i> , 2017 , 98, 447-458	7.9	136
38	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
37	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
36	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
35	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
34	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
33	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
32	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
31	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

30	Purification, Kinetic, and Thermodynamic Characteristics of an Exo-polygalacturonase from <i>Penicillium notatum</i> with Industrial Perspective. <i>Applied Biochemistry and Biotechnology</i> , 2017 , 183, 426-443	3.2	14
29	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
28	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
27	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
26	Catalytic, Kinetic and Thermodynamic Characteristics of an Extracellular Lipase from <i>Penicillium notatum</i> . <i>Catalysis Letters</i> , 2017 , 147, 281-291	2.8	17
25	Statistical Correlation between Ligninolytic Enzymes Secretion and Remazol Brilliant Yellow-3GL Dye Degradation Potential of <i>Trametes versicolor</i> IBL-04. <i>Water Environment Research</i> , 2016 , 88, 338-45	2.8	19
24	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
23	Lignocellulose-degrading enzyme production by <i>Pleurotus sapidus</i> WC 529 and its application in lignin degradation / Lignoselbölz-enzim üretiminde <i>Pleurotus sapidus</i> WC 529 ve lignin parçalanmasıdaki uygulamalar <i>Turkish Journal of Biochemistry</i> , 2016 , 41,	0.3	6
22	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
21	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
20	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
19	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
18	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
17	Dye decolorization and detoxification potential of Ca-alginate beads immobilized manganese peroxidase. <i>BMC Biotechnology</i> , 2015 , 15, 111	3.5	90
16	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
15	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
14	Comparative sequence analysis of citrate synthase and 18S ribosomal DNA from a wild and mutant strains of <i>Aspergillus niger</i> with various fungi. <i>Bioinformatics</i> , 2014 , 10, 1-7	1.1	5
13	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

12	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
11	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
10	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
9	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
8	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
7	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
6	Decolorization of dye-containing textile industry effluents using <i>Ganoderma lucidum</i> IBL-05 in still cultures. <i>Water Environment Research</i> , 2010 , 82, 357-61	2.8	11
5	Decolourisation of direct dyes with manganese peroxidase from white rot basidiomycete <i>Ganoderma lucidum</i> -IBL-5. <i>Canadian Journal of Chemical Engineering</i> , 2009 , 87, 435-440	2.3	17
4	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
3	Hyperactivation and thermostabilization of <i>Phanerochaete chrysosporium</i> lignin peroxidase by immobilization in xerogels. <i>World Journal of Microbiology and Biotechnology</i> , 2007 , 23, 525-531	4.4	24
2	Decolorization potential of mixed microbial consortia for reactive and disperse textile dyestuffs. <i>Biodegradation</i> , 2007 , 18, 311-6	4.1	50
1	Sustainable Production, Optimization, and Partial Characterization of Exopolysaccharides by <i>Macroccoccus brunensis</i> . <i>Waste and Biomass Valorization</i> , 1	3.2	5