Fariha Hasan

List of Publications by Year
in descending order

75 papers	3,263 citations	331670 21 h-index	155660 55 g-index
76 all docs	76 docs citations	76 times ranked	4121 citing authors

#	Article	IF	Citations
1	Industrial applications of microbial lipases. Enzyme and Microbial Technology, 2006, 39, 235-251.	3.2	1,506
2	Methods for detection and characterization of lipases: A comprehensive review. Biotechnology Advances, 2009, 27, 782-798.	11.7	230
3	Biodegradation of polyester polyurethane by Aspergillus tubingensis. Environmental Pollution, 2017, 225, 469-480.	7.5	169
4	Psychrophilic and psychrotrophic fungi: a comprehensive review. Reviews in Environmental Science and Biotechnology, 2016, 15, 147-172.	8.1	99
5	Methanogenic potential of Arctic and Antarctic subglacial environments with contrasting organic carbon sources. Global Change Biology, 2012, 18, 3332-3345.	9.5	82
6	Degradation of Polyester Polyurethane by Aspergillus sp. Strain S45 Isolated from Soil. Journal of Polymers and the Environment, 2018, 26, 301-310.	5.0	82
7	Temperature Driven Membrane Lipid Adaptation in Glacial Psychrophilic Bacteria. Frontiers in Microbiology, 2020, 11, 824.	3.5	58
8	Pattern of Drug Resistance and Risk Factors Associated with Development of Drug Resistant Mycobacterium tuberculosis in Pakistan. PLoS ONE, 2016, 11, e0147529.	2.5	55
9	Degradation of poly(É›-caprolactone) (PCL) by a newly isolated Brevundimonas sp. strain MRL-AN1 from soil. FEMS Microbiology Letters, 2015, 362, 1-7.	1.8	52
10	Synergistic effect of photo and chemical treatment on the rate of biodegradation of low density polyethylene by Fusarium sp. AF4. Journal of Applied Polymer Science, 2007, 105, 1466-1470.	2.6	47
11	Recovery of metallo-tolerant and antibiotic resistant psychrophilic bacteria from Siachen glacier, Pakistan. PLoS ONE, 2017, 12, e0178180.	2.5	39
12	A Glacier Bacterium Produces High Yield of Cryoprotective Exopolysaccharide. Frontiers in Microbiology, 2019, 10, 3096.	3.5	35
13	Prevalence of multi drug resistant Acinetobacter baumannii in the clinical samples from Tertiary Care Hospital in Islamabad, Pakistan. Pakistan Journal of Medical Sciences, 2013, 29, 1253-8.	0.6	34
14	Fungi from the extremes of life: an untapped treasure for bioactive compounds. Applied Microbiology and Biotechnology, 2020, 104, 2777-2801.	3.6	34
15	Improvement in thermostability of xylanase from Geobacillus thermodenitrificans C5 by site directed mutagenesis. Enzyme and Microbial Technology, 2018, 111, 38-47.	3.2	30
16	Metagenomic Insights Into the Diversity of Halophilic Microorganisms Indigenous to the Karak Salt Mine, Pakistan. Frontiers in Microbiology, 2020, 11, 1567.	3.5	30
17	Catalytic Role of Thermostable Metalloproteases from Bacillus subtilis KT004404 as Dehairing and Destaining Agent. Applied Biochemistry and Biotechnology, 2017, 181, 434-450.	2.9	27
18	Microvirga pakistanensis sp. nov., a novel bacterium isolated from desert soil of Cholistan, Pakistan. Archives of Microbiology, 2016, 198, 933-939.	2.2	25

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19	Comprehensive investigation on the synergistic antibacterial activities of Jatropha curcas pressed cake and seed oil in combination with antibiotics. AMB Express, 2019, 9, 67.	3.0	25
20	Antiproliferative, antioxidant and binding mechanism analysis of prodigiosin from newly isolated radio-resistant Streptomyces sp. strain WMA-LM31. Molecular Biology Reports, 2018, 45, 1787-1798.	2.3	24
21	Prevalence of Class A and AmpC Î²-Lactamases in Clinical <i>Escherichia coli</i> Isolates from Pakistan Institute of Medical Science, Islamabad, Pakistan. Japanese Journal of Infectious Diseases, 2011, 64, 249-252.	1.2	24
22	Lipolytic bacterial strains mediated transesterification of non-edible plant oils for generation of high quality biodiesel. Journal of Bioscience and Bioengineering, 2019, 127, 609-617.	2.2	23
23	Characterization of Organic Acid ProducingAspergillus tubingensisFMS1 and its Role in Metals Leaching from Soil. Geomicrobiology Journal, 2020, 37, 336-344.	2.0	22
24	Degradation of lignin by Bacillus altitudinis SL7 isolated from pulp and paper mill effluent. Water Science and Technology, 2022, 85, 420-432.	2.5	22
25	Resurrection of inactive microbes and resistome present in the natural frozen world: Reality or myth?. Science of the Total Environment, 2020, 735, 139275.	8.0	21
26	Biosynthesis and Characterization of Poly-(3-hydroxybutyrate-co-3-hydroxyvalerate) from Bacillus cereus S10. Journal of Polymers and the Environment, 2012, 20, 865-871.	5.0	20
27	Production and Purification of Poly(3-hydroxybutyrate-co-3-hydroxyvalerate) Degrading Enzyme from Streptomyces sp. AF-111. Journal of Polymers and the Environment, 2013, 21, 1109-1116.	5.0	19
28	Purification and characterization of a mesophilic lipase fromBacillus subtilisFH5 stable at high temperature and pH. Acta Biologica Hungarica, 2007, 58, 115-132.	0.7	18
29	Ectoine: a compatible solute in radioâ€halophilicStenotrophomonassp.<scp>WMA</scp>â€<scp>LM</scp>19 strain to prevent ultravioletâ€induced protein damage. Journal of Applied Microbiology, 2018, 125, 457-467.	3.1	18
30	Fungi in acidic fire: A potential source of industrially important enzymes. Fungal Biology Reviews, 2019, 33, 58-71.	4.7	18
31	Cloning, expression and biochemical characterization of lignin-degrading DyP-type peroxidase from Bacillus sp. Strain BL5. Enzyme and Microbial Technology, 2021, 151, 109917.	3.2	18
32	Importance of Proteins Controlling Initiation of DNA Replication in the Growth of the High-Pressure-Loving Bacterium Photobacterium profundum SS9. Journal of Bacteriology, 2009, 191, 6383-6393.	2.2	17
33	Preparation and characterization of resistant starch type III from enzymatically hydrolyzed maize flour. Molecular Biology Reports, 2019, 46, 4565-4580.	2.3	17
34	Optimization of pH and temperature for degradation of tyre rubber by Bacillus sp. strain S10 isolated from sewage sludge. International Biodeterioration and Biodegradation, 2015, 103, 154-160.	3.9	16
35	Production and Characterization of Organic Solvent-Tolerant Cellulase from Bacillus amyloliquefaciens AK9 Isolated from Hot Spring. Applied Biochemistry and Biotechnology, 2017, 182, 1390-1402.	2.9	16
36	Geochemistry and Bacterial Recovery from Hindu Kush Range Glacier and Their Potential for Metal Resistance and Antibiotic Production. Geomicrobiology Journal, 2019, 36, 326-338.	2.0	16

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37	Degradation of polyisoprene rubber by newly isolated bacillus sp. AF-666 from soil. Applied Biochemistry and Microbiology, 2012, 48, 37-42.	0.9	15
38	Bio-catalytic transesterification of mustard oil for biodiesel production. Biofuels, 2022, 13, 69-76.	2.4	15
39	Statistical optimization of lipase production from Sphingobacterium sp. strain S2 and evaluation of enzymatic depolymerization of Poly(lactic acid) at mesophilic temperature. Polymer Degradation and Stability, 2019, 160, 1-13.	5.8	14
40	Biodegradation of Poly(3-hydroxybutyrate) and Poly(3-hydroxybutyrate-co-3-hydroxyvalerate) by Newly Isolated Penicillium oxalicum SS2 in Soil Microcosms and Partial Characterization of Extracellular Depolymerase. Current Microbiology, 2020, 77, 1622-1636.	2.2	14
41	Engineering a bioluminescent bioreporter from an environmentally sourced mercuryâ€resistantEnterobacter cloacaestrain for the detection of bioavailable mercury. Journal of Applied Microbiology, 2019, 127, 1125-1134.	3.1	13
42	C-Terminal proline-rich sequence broadens the optimal temperature and pH ranges of recombinant xylanase from Geobacillus thermodenitrificans C5. Enzyme and Microbial Technology, 2016, 91, 34-41.	3.2	11
43	Adaptation Mechanisms and Applications of Psychrophilic Fungi. , 2019, , 157-174.		11
44	Production of poly(3-hydroxybutyrate-co-3-hydroxyvalerate) depolymerase from Aspergillus sp. NA-25. Applied Biochemistry and Microbiology, 2012, 48, 482-487.	0.9	10
45	Enhancement of biomethane production from cattle manure with codigestion of dilute acid pretreated lignocellulosic biomass. International Journal of Green Energy, 2017, 14, 632-637.	3.8	10
46	Screening of Lipase-Producing Bacteria and Optimization of Lipase-Mediated Biodiesel Production from Jatropha curcas Seed Oil Using Whole Cell Approach. Bioenergy Research, 2020, 13, 1280-1296.	3.9	10
47	Cryopreservation of Cyanobacteria and Eukaryotic Microalgae Using Exopolysaccharide Extracted from a Glacier Bacterium. Microorganisms, 2021, 9, 395.	3.6	10
48	Fungal recovery and characterization from Hindu Kush mountain range, Tirich Mir glacier, and their potential for biotechnological applications. Journal of Basic Microbiology, 2020, 60, 444-457.	3.3	9
49	Spoligotyping analysis of Mycobacterium tuberculosis in Khyber Pakhtunkhwa area, Pakistan . Infection and Drug Resistance, 2019, Volume 12, 1363-1369.	2.7	8
50	Production of an alkali-stable xylanase fromBacillus pumilusK22 and its application in tomato juice clarification. Food Biotechnology, 2019, 33, 353-372.	1.5	8
51	Physicochemical properties of enzymatically prepared resistant starch from maize flour and its use in cookies formulation. International Journal of Food Properties, 2020, 23, 549-569.	3.0	8
52	Immobilization of Î²â€1,4â€xylanase isolated from Bacillus licheniformisS3. Journal of Basic Microbiology, 2020, 60, 600-612.	3.3	8
53	COMMUNITY ANALYSIS A ND CHARACTERIZATION OF FUNGI FROM BATURA GLACIER, KARAKORAM M OUNTAIN RANGE, PAKISTAN. Applied Ecology and Environmental Research, 2018, 16, 5323-5341.	0.5	8
54	Flooding adds pathogenic Escherichia coli strains to the water sources in southern Khyber Pakhtunkhwa, Pakistan. Indian Journal of Medical Microbiology, 2016, 34, 483-488.	0.8	7

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55	Draft Genome Sequence of a Cold-Adapted Pseudomonas sp. Strain, BGI-2, Isolated from the Ice of Batura Glacier, Pakistan. Microbiology Resource Announcements, 2019, 8, .	0.6	7
56	Starved Spirodela polyrhiza and Saccharomyces cerevisiae: a potent combination for sustainable bioethanol production. Biomass Conversion and Biorefinery, 2021, 11, 1665-1674.	4.6	7
57	Composition and functional profiles of microbial communities in two geochemically and mineralogically different caves. Applied Microbiology and Biotechnology, 2021, 105, 8921-8936.	3.6	7
58	Detection of rifampicin resistance of Mycobacterium tuberculosis using multiplex allele specific polymerase chain reaction (MAS-PCR) in Pakistan. Infection, Genetics and Evolution, 2019, 71, 42-46.	2.3	6
59	Cell membrane fatty acid and pigment composition of the psychrotolerant cyanobacterium Nodularia spumigena CHS1 isolated from Hopar glacier, Pakistan. Extremophiles, 2020, 24, 135-145.	2.3	6
60	Development of Resistant Starch Film Coated Microparticles for an Oral Colonâ€Specific Drug Delivery. Starch/Staerke, 2020, 72, 1900262.	2.1	6
61	Biosurfactants and chemotaxis interplay in microbial consortium-based hydrocarbons degradation. Environmental Science and Pollution Research, 2022, 29, 24391.	5.3	6
62	Evidence of zoonotic transmission of VP6 and NSP4 genes into human species A rotaviruses isolated in Pakistan in 2010. Archives of Virology, 2019, 164, 1781-1791.	2.1	5
63	Geochemistry and Insights into the Distribution of Biotechnological Important Fungi from the Third Pole of the World, Karakoram Mountains Range. Geomicrobiology Journal, 2021, 38, 395-403.	2.0	5
64	Characterization of melanin pigment from Aspergillus terreus LCM8 and its role in cadmium remediation. International Journal of Environmental Science and Technology, 2023, 20, 3151-3160.	3.5	5
65	Calcium Carbonate Precipitation by Rock Dwelling Bacteria in Murree Hills, Lower Himalaya Range Pakistan. Geomicrobiology Journal, 2021, 38, 231-236.	2.0	4
66	Isolation and screening of chromium resistant bacteria from industrial waste for bioremediation purposes. Brazilian Journal of Biology, 2021, 83, e242536.	0.9	4
67	Phosphate solubilizing epilithic and endolithic bacteria isolated from clastic sedimentary rocks, Murree lower Himalaya, Pakistan. Archives of Microbiology, 2022, 204, 332.	2.2	4
68	Antioxidative and Radioprotective Properties of Glycosylated Flavonoid, Xanthorhamnin from Radio-Resistant Bacterium Bacillus indicus Strain TMC-6. Current Microbiology, 2020, 77, 1245-1253.	2.2	3
69	Seroprevalence of Human Cytomegalovirus (HCMV) infection in pregnant women and outcomes of pregnancies with active infection. JPMA the Journal of the Pakistan Medical Association, 2016, 66, 1009-14.	0.2	3
70	Microbial Pretreatment of Chicken Feather and Its Co-digestion With Rice Husk and Green Grocery Waste for Enhanced Biogas Production. Frontiers in Microbiology, 2022, 13, 792426.	3.5	2
71	Prebiotic potential of enzymatically prepared resistant starch in reshaping gut microbiota and their respond to body physiology. PLoS ONE, 2022, 17, e0267318.	2.5	2
72	Phylogenetic analysis of open reading frame of 11 gene segments of novel humanâ€bovine reassortant RVA G6P[1] strain in Pakistan. Journal of Medical Virology, 2020, 92, 3179-3186.	5.0	1

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73	Enhancement of biogas yield during anaerobic digestion of Jatropha curcas seed by pretreatment and co-digestion with mango peels. Biomass Conversion and Biorefinery, 2020, , 1.	4.6	1
74	Positivity, diagnosis and treatment follow-up of cutaneous leishmaniasis in war-affected areas of Bajaur, Pakistan. Parasitology Research, 2022, 121, 991-998.	1.6	1
75	Calcium carbonate precipitation by cave bacteria isolated from Kashmir Cave, Khyber Pakhtunkhwa, Pakistan. Microscopy Research and Technique, 2022, , .	2.2	0