Malik Badshah

List of Publications by Year
in descending order

48 papers	829 citations	471509 17 h-index	526287 27 g-index
49 all docs	49 docs citations	49 times ranked	1037 citing authors

#	Article	IF	Citations
1	Use of an Automatic Methane Potential Test System for evaluating the biomethane potential of sugarcane bagasse after different treatments. Bioresource Technology, 2012, 114, 262-269.	9.6	117
2	Ethanol production by continuous fermentation of d-(+)-cellobiose, d-(+)-xylose and sugarcane bagasse hydrolysate using the thermoanaerobe Caloramator boliviensis. Bioresource Technology, 2012, 103, 186-191.	9.6	52
3	Degradation of poly(Îµ-caprolactone) by a thermophilic bacterium Ralstonia sp. strain MRL-TL isolated from hot spring. International Biodeterioration and Biodegradation, 2015, 98, 35-42.	3.9	47
4	Anaerobic treatment of methanol condensate from pulp mill compared with anaerobic treatment of methanol using mesophilic UASB reactors. Bioresource Technology, 2012, 125, 318-327.	9.6	39
5	Crude oil biodegradation potential of biosurfactant-producing Pseudomonas aeruginosa and Meyerozyma sp.. Journal of Hazardous Materials, 2021, 418, 126276.	12.4	38
6	Fabrication of an Original Transparent PVA/Gelatin Hydrogel: In Vitro Antimicrobial Activity against Skin Pathogens. International Journal of Polymer Science, 2019, 2019, 1-11.	2.7	33
7	Recent progress in bioethanol production from lignocellulosic materials: A review. International Journal of Green Energy, 2016, 13, 1413-1441.	3.8	30
8	Characterisation and evaluation of a novel feedstock, Manihot glaziovii , Muell. Arg , for production of bioenergy carriers: Bioethanol and biogas. Bioresource Technology, 2014, 172, 58-67.	9.6	29
9	High bioethanol titre from Manihot glaziovii through fed-batch simultaneous saccharification and fermentation in Automatic Gas Potential Test System. Bioresource Technology, 2014, 156, 348-356.	9.6	28
10	Isolation and Molecular Characterization of a Model Antagonistic Pseudomonas aeruginosa Divulging In Vitro Plant Growth Promoting Characteristics. BioMed Research International, 2018, 2018, 1-7.	1.9	28
11	Enhancing methane production from dewatered waste activated sludge through alkaline and photocatalytic pretreatment. Bioresource Technology, 2021, 325, 124677.	9.6	28
12	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
13	Microbial population dynamics in temperatureâ€phased anaerobic digestion ofÂmunicipal wastewater sludge. Journal of Chemical Technology and Biotechnology, 2019, 94, 1816-1831.	3.2	25
14	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
15	Characterization of Organic Acid ProducingAspergillus tubingensisFMS1 and its Role in Metals Leaching from Soil. Geomicrobiology Journal, 2020, 37, 336-344.	2.0	22
16	Enrichment of the hydrogenotrophic methanogens for, in-situ biogas up-gradation by recirculation of gases and supply of hydrogen in methanogenic reactor. Bioresource Technology, 2022, 345, 126219.	9.6	22
17	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
18	Insight on esterase from Pseudomonas aeruginosa strain S3 that depolymerize poly(lactic acid) (PLA) at ambient temperature. Polymer Degradation and Stability, 2020, 174, 109096.	5.8	21

#	Article	IF	Citations
19	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
20	Preparation and characterization of resistant starch type III from enzymatically hydrolyzed maize flour. Molecular Biology Reports, 2019, 46, 4565-4580.	2.3	17
21	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
22	Bio-catalytic transesterification of mustard oil for biodiesel production. Biofuels, 2022, 13, 69-76.	2.4	15
23	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
24	Targeting Acyl Homoserine Lactones (AHLs) by the quorum quenching bacterial strains to control biofilm formation in Pseudomonas aeruginosa. Saudi Journal of Biological Sciences, 2022, 29, 1673-1682.	3.8	12
25	Cloning, biochemical characterization and molecular docking of novel thermostable Î²-glucosidase BglA9 from Anoxybacillus ayderensis A9 and its application in de-glycosylation of Polydatin. International Journal of Biological Macromolecules, 2021, 193, 1898-1909.	7.5	11
26	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
27	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
28	Production of an alkali-stable xylanase fromBacillus pumilusK22 and its application in tomato juice clarification. Food Biotechnology, 2019, 33, 353-372.	1.5	8
29	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
30	Immobilization of Î²â€1,4â€xylanase isolated from Bacillus licheniformisS3. Journal of Basic Microbiology, 2020, 60, 600-612.	3.3	8
31	Starved Spirodela polyrhiza and Saccharomyces cerevisiae: a potent combination for sustainable bioethanol production. Biomass Conversion and Biorefinery, 2021, 11, 1665-1674.	4.6	7
32	Cloning, expression, biochemical characterization, and molecular docking studies of a novel glucose tolerant Î²-glucosidase from Saccharomonospora sp. NB11. Enzyme and Microbial Technology, 2021, 148, 109799.	3.2	7
33	Development of Resistant Starch Film Coated Microparticles for an Oral Colonâ€Specific Drug Delivery. Starch/Staerke, 2020, 72, 1900262.	2.1	6
34	Bacterial community characterization of Batura Glacier in the Karakoram Range of Pakistan. International Microbiology, 2021, 24, 183-196.	2.4	6
35	Isolation and screening of chromium resistant bacteria from industrial waste for bioremediation purposes. Brazilian Journal of Biology, 2021, 83, e242536.	0.9	4
36	Comparison Between a Newly Isolated Yeast Strain and Lalvin EC-1118 for Enhanced Ethanol Yield from Sugarcane Molasses Employing Batch and Modified Fed-Batch Fermentation. Journal of Biobased Materials and Bioenergy, 2018, 12, 134-142.	0.3	3

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37	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
38	Isolation and Characterization of an Acidic, Salt-Tolerant Endoglucanase Cel5A from a Bacterial Strain Martelella endophytica YC6887 Genome. Molecular Biotechnology, 2021, 63, 305-315.	2.4	3
39	Production of bioethanol and biogas from Spirodela polyrhiza in a biorefinery concept and output energy analysis of the process. Biomass Conversion and Biorefinery, 2023, 13, 11219-11228.	4.6	3
40	Magnetic Nanoparticles: Eco-Friendly Application in Biofuel Production. Nanotechnology in the Life Sciences, 2019, , 109-129.	0.6	2
41	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
42	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
43	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
44	Characterization of Bacillus nealsonii strain KBH10 capable of reducing aqueous mercury in laboratory-scale reactor. Water Science and Technology, 2021, 83, 2287-2295.	2.5	1
45	Evaluation of phytochemical, bioactive, and antifungal potential of Jatropha curcas seed oil and de-oiled seed cake extracts against phytopathogenic fungi. Journal of Plant Pathology, 2021, 103, 863-873.	1.2	1
46	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
47	Corrigendum to â€œFabrication of an Original Transparent PVA/Gelatin Hydrogel: In Vitro Antimicrobial Activity against Skin Pathogensâ€• International Journal of Polymer Science, 2021, 2021, 1-1.	2.7	0
48	Silencing of Curlin Protein via M13 Phagemid-Mediated Synthetic sRNA Expression Reduces Virulence in the Avian Pathogenic E. coli (APEC). Current Microbiology, 2022, 79, 105.	2.2	0