

Ali Osman Belduz

List of Publications by Year in descending order

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86
papers

1,386
citations

331538

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414303

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docs citations

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times ranked

1401
citing authors

#	ARTICLE	IF	CITATIONS
1	Degradation of lignin by <i>Bacillus altitudinis</i> SL7 isolated from pulp and paper mill effluent. <i>Water Science and Technology</i> , 2022, 85, 420-432.	1.2	22
2	Prebiotic potential of enzymatically prepared resistant starch in reshaping gut microbiota and their respond to body physiology. <i>PLoS ONE</i> , 2022, 17, e0267318.	1.1	2
3	Genome-based reclassification of <i>Anoxybacillus karvacharensis</i> Panosyan et al. as a later heterotypic synonym of <i>Anoxybacillus kestanbolensis</i> Dulger et al. 2004; <i>A. flavithermus</i> subsp. <i>yunnanensis</i> CCTCC AB2010187T Dai et al. 2011 as a later heterotypic synonym of <i>A. tengchongensis</i> DSM 23211T Zhang et al. 2011. <i>Archives of Microbiology</i> , 2022, 204, .	1.0	0
4	Investigation of potential inhibitor properties of violacein against HIV-1 RT and CoV-2 Spike RBD:ACE-2. <i>World Journal of Microbiology and Biotechnology</i> , 2022, 38, .	1.7	11
5	Investigation of potential inhibitor properties of ethanolic propolis extracts against ACE-II receptors for COVID-19 treatment by molecular docking study. <i>Archives of Microbiology</i> , 2021, 203, 3557-3564.	1.0	55
6	Cloning, expression, biochemical characterization, and molecular docking studies of a novel glucose tolerant β -glucosidase from <i>Saccharomonospora</i> sp. NB11. <i>Enzyme and Microbial Technology</i> , 2021, 148, 109799.	1.6	7
7	Targeting CoV-2 spike RBD and ACE-2 interaction with flavonoids of Anatolian propolis by in silico and in vitro studies in terms of possible COVID-19 therapeutics. <i>Turkish Journal of Biology</i> , 2021, 45, 530-548.	2.1	17
8	HIV-1 RT inhibition activity of <i>Satureja spicigera</i> (C.KOCH) BOISS. Aqueous extract and docking studies of phenolic compounds identified by RP-HPLC-DAD. <i>Journal of Food Biochemistry</i> , 2021, , e13921.	1.2	2
9	Cloning, expression and biochemical characterization of lignin-degrading DyP-type peroxidase from <i>Bacillus</i> sp. Strain BL5. <i>Enzyme and Microbial Technology</i> , 2021, 151, 109917.	1.6	18
10	Cloning, biochemical characterization and molecular docking of novel thermostable β -glucosidase BglA9 from <i>Anoxybacillus ayderensis</i> A9 and its application in de-glycosylation of Polydatin. <i>International Journal of Biological Macromolecules</i> , 2021, 193, 1898-1909.	3.6	11
11	Use of Feruloyl Esterase as Laccase-Mediator System in Paper Bleaching. <i>Applied Biochemistry and Biotechnology</i> , 2020, 190, 721-731.	1.4	26
12	Diversity and enzymatic potential of thermophilic bacteria associated with terrestrial hot springs in Algeria. <i>Brazilian Journal of Microbiology</i> , 2020, 51, 1987-2007.	0.8	12
13	Biochemical characterization of a novel thermostable feruloyl esterase from <i>Geobacillus thermoglucosidasius</i> DSM 2542T. <i>Molecular Biology Reports</i> , 2019, 46, 4385-4395.	1.0	12
14	Cloning, characterization and paper pulp applications of a newly isolated DyP type peroxidase from <i>Rhodococcus</i> sp. T1. <i>Molecular Biology Reports</i> , 2019, 46, 569-580.	1.0	12
15	Improved pulp bleaching potential of <i>Bacillus subtilis</i> WB800 through overexpression of three lignolytic enzymes from various bacteria. <i>Biotechnology and Applied Biochemistry</i> , 2018, 65, 560-571.	1.4	8
16	Distinctive delignification with consecutive application of <i>Geobacillus</i> sp. 71 xylanase and <i>Rhodococcus jostii</i> rha1 lignin peroxidase. <i>Maderas: Ciencia Y Tecnologia</i> , 2018, , 0-0.	0.7	1
17	Molecular and in silico cloning, identification, and preharvest period expression analysis of a putative cytochrome P450 monooxygenase gene from <i>Camellia sinensis</i> (L.) Kuntze (tea). <i>Turkish Journal of Biology</i> , 2018, 42, 1-11.	2.1	4
18	A novel cryptic and theta type plasmid (pHIG22) from <i>Thermus scodotuctus</i> sp. K6. <i>Gene</i> , 2018, 679, 282-290.	1.0	1

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19	Screening of Xylanase and Glucose Isomerase Producing Bacteria Isolated from Hot Springs in Turkey. Sakarya University Journal of Science, 2018, 22, 1804-1811.	0.3	1
20	Redesigning pH optimum of Geobacillus sp. TF16 endoxylanase through in silico designed DNA swapping strategy. Biochimie, 2017, 137, 174-189.	1.3	2
21	Determination of paper bleaching potentials of some ligninolytic enzymes produced in operon form. Journal of Biotechnology, 2017, 256, S55.	1.9	0
22	Empowering enzyme characteristics through rational design. Journal of Biotechnology, 2017, 256, S24.	1.9	0
23	Purification and characterization of β -L-arabinofuranosidases from Geobacillus stearothermophilus strain 12. Biologia (Poland), 2017, 72, 831-839.	0.8	2
24	Molecular phylogeny of the genus Capoeta (Teleostei: Cyprinidae) in Anatolia, Turkey. Biochemical Systematics and Ecology, 2017, 70, 80-94.	0.6	24
25	Gram (\hat{a}) microorganisms DNA polymerase inhibition, antibacterial and chemical properties of fruit and leaf extracts of <i>Sorbus acuparia</i> and <i>Sorbus caucasica</i> var. <i>yaltirikii</i> . Biomedical Chromatography, 2017, 31, e3901.	0.8	16
26	Deletion of the hfsB gene increases ethanol production in Thermoanaerobacterium saccharolyticum and several other thermophilic anaerobic bacteria. Biotechnology for Biofuels, 2017, 10, 282.	6.2	13
27	Biochemical characterization of wild-type and mutant (Q9F and S21Y/V22D) iron oxidases isolated from Acidithiobacillus ferrooxidans M1. Turkish Journal of Biology, 2016, 40, 166-173.	2.1	1
28	<i>Fontibacillus pullulanilyticus</i> sp. nov. isolated from soil. Journal of Basic Microbiology, 2016, 56, 857-863.	1.8	8
29	Cloning, purification and characterization of a cellulase-free xylanase from Geobacillus thermodenitrificans AK53. Applied Biochemistry and Microbiology, 2016, 52, 277-286.	0.3	6
30	Generation of acid mine drainage around the Karaerik copper mine (Espiye, Giresun, NE Turkey): implications from the bacterial population in the Ac \pm su effluent. Extremophiles, 2016, 20, 673-685.	0.9	10
31	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.	1.6	11
32	Sulfonamide inhibition studies of the \hat{I}^2 -carbonic anhydrase from the newly discovered bacterium Enterobacter sp. B13. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 1821-1826.	1.0	8
33	Cloning, expression and biochemical characterization of a \hat{I}^2 -carbonic anhydrase from the soil bacterium <i>Enterobacter</i> sp. B13. Journal of Enzyme Inhibition and Medicinal Chemistry, 2016, 31, 1111-1118.	2.5	8
34	Streptomonospora tuzyakensis sp. nov., a halophilic actinomycete isolated from saline soil. Antonie Van Leeuwenhoek, 2016, 109, 35-41.	0.7	15
35	Brevibacillus gelatini sp. nov., isolated from a hot spring. International Journal of Systematic and Evolutionary Microbiology, 2016, 66, 712-718.	0.8	20
36	Cloning, purification and characterization of halotolerant xylanase from Geobacillus thermodenitrificans C5. Journal of Microbiology, Biotechnology and Food Sciences, 2016, 05, 523-529.	0.4	2

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37	<i>Thermus anatoliensis</i> sp. nov., a thermophilic bacterium from geothermal waters of Buharkent, Turkey. <i>Journal of Basic Microbiology</i> , 2015, 55, 1367-1373.	1.8	3
38	Genome sequence of <i>Anoxybacillus ayderensis</i> AB04T isolated from the Ayder hot spring in Turkey. <i>Standards in Genomic Sciences</i> , 2015, 10, 70.	1.5	14
39	<i>Algoriphagus trabzonensis</i> sp. nov., isolated from freshwater, and emended description of <i>Algoriphagus alkaliphilus</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2015, 65, 2234-2240.	0.8	19
40	Complete genome of the potential thermozyyme producer <i>Anoxybacillus gonensis</i> G2T isolated from the Grnen hot springs in Turkey. <i>Journal of Biotechnology</i> , 2015, 212, 65-66.	1.9	7
41	Cloning, purification, and characterization of a thermophilic ribulokinase from <i>Anoxybacillus kestanbolensis</i> AC26Sari. <i>Turkish Journal of Biology</i> , 2014, 38, 633-639.	2.1	2
42	Characterization of a novel xylose isomerase from <i>Anoxybacillus gonensis</i> G2T. <i>Turkish Journal of Biology</i> , 2014, 38, 586-592.	2.1	10
43	Cloning, expression, and characterization of a novel CTP synthase gene from <i>Anoxybacillus gonensis</i> G2. <i>Turkish Journal of Biology</i> , 2014, 38, 111-117.	2.1	5
44	Biosynthesis of silver nanoparticles using <i>Anoxybacillus gonensis</i> G2 and their antibacterial activity. <i>Journal of Biotechnology</i> , 2014, 185, S104.	1.9	0
45	Phylogenetic relationships among <i>Artemisia</i> species based on nuclear ITS and chloroplast psbA-trnH DNA markers. <i>Biologia (Poland)</i> , 2014, 69, 834-839.	0.8	13
46	<i>Anoxybacillus kaynarcensis</i> sp. nov., a moderately thermophilic, xylanase producing bacterium. <i>Journal of Basic Microbiology</i> , 2013, 53, 410-419.	1.8	27
47	Biochemical characterization of a novel glucose isomerase from <i>Anoxybacillus gonensis</i> G2T that displays a high level of activity and thermal stability. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2013, 97, 215-224.	1.8	34
48	The phylogenetic position of Turkish populations within the European Bitterling, <i>Rhodeus amarus</i> (Osteichthyes: Cyprinidae). <i>Zoology in the Middle East</i> , 2013, 59, 39-50.	0.2	9
49	<i>Flavobacterium anatoliense</i> sp. nov., isolated from fresh water, and emended description of <i>Flavobacterium ceti</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013, 63, 2075-2081.	0.8	34
50	<i>Brevibacillus aydinogluensis</i> sp. nov., a moderately thermophilic bacterium isolated from Karakoc hot spring. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2012, 62, 849-855.	0.8	25
51	Cloning, purification and characterization of an alkali-stable endoxylanase from thermophilic <i>Geobacillus</i> sp. 71. <i>World Journal of Microbiology and Biotechnology</i> , 2012, 28, 1981-1988.	1.7	22
52	Molecular analysis of the genus <i>Anoxybacillus</i> based on sequence similarity of the genes recN, flaA, and ftsY. <i>Folia Microbiologica</i> , 2012, 57, 61-69.	1.1	2
53	Cloning, purification and characterization of a thermostable carboxylesterase from <i>Anoxybacillus</i> sp. PDF1. <i>Protein Expression and Purification</i> , 2011, 80, 74-79.	0.6	26
54	The ATPase activity of the G2alt gene encoding an aluminium tolerance protein from <i>Anoxybacillus gonensis</i> G2. <i>Journal of Microbiology</i> , 2011, 49, 641-650.	1.3	13

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55	Use of <i>rpoB</i> sequences and rep-PCR for phylogenetic study of <i>Anoxybacillus</i> species. <i>Journal of Microbiology</i> , 2011, 49, 782-790.	1.3	12
56	Screening of thermophilic bacteria producing glucose isomerase from some hot springs in Turkey. <i>Current Opinion in Biotechnology</i> , 2011, 22, S89.	3.3	0
57	Isolation and characterization of extracellular protease producing <i>Geobacillus</i> sp. from various hot springs in Turkey. <i>Current Opinion in Biotechnology</i> , 2011, 22, S89.	3.3	0
58	Genetic discrimination of two <i>Capoeta</i> species in northeastern Anatolia, using mitochondrial 16S rRNA gene. <i>Zoology in the Middle East</i> , 2011, 53, 61-70.	0.2	5
59	DNA-Binding Properties of the <i>Bacillus subtilis</i> and <i>Aeribacillus pallidus</i> Δ <i>AC6</i> Δ <i>D</i> Proteins. <i>Journal of Bacteriology</i> , 2011, 193, 575-579.	1.0	7
60	Multivariate Discrimination among Three <i>Trachurus</i> Species from Turkey. <i>Journal of Animal and Veterinary Advances</i> , 2011, 10, 121-127.	0.1	3
61	Comparison of DIG-11-dUTP utilization by <i>Geobacillus caldxylosilyticus</i> TK4, <i>Mycobacterium tuberculosis</i> and <i>Escherichia coli</i> DNA polymerases. <i>World Journal of Microbiology and Biotechnology</i> , 2010, 26, 459-464.	1.7	1
62	Cloning, expression and characterization of highly thermo- and pH-stable maltogenic amylase from a thermophilic bacterium <i>Geobacillus caldxylosilyticus</i> TK4. <i>Process Biochemistry</i> , 2010, 45, 821-828.	1.8	33
63	Biosorption of Heavy Metals by <i>Anoxybacillus gonensis</i> Immobilized on Diaion HP-2MG. <i>Separation Science and Technology</i> , 2009, 44, 335-358.	1.3	35
64	A new DNA polymerase I from <i>Geobacillus caldxylosilyticus</i> TK4: cloning, characterization, and mutational analysis of two aromatic residues. <i>Applied Microbiology and Biotechnology</i> , 2009, 84, 105-117.	1.7	14
65	Cloning, expression, purification and characterisation of a thermostable chitinase from <i>Bacillus licheniformis</i> A1. <i>Annals of Microbiology</i> , 2008, 58, 245-251.	1.1	12
66	Cloning, purification, and characterization of a thermostable α -L-arabinofuranosidase from <i>Anoxybacillus kestanbolensis</i> AC26Sari. <i>Applied Microbiology and Biotechnology</i> , 2008, 81, 61-68.	1.7	30
67	Characterization of a xylanase from a thermophilic strain of <i>Anoxybacillus pushchinoensis</i> A8. <i>Biologia (Poland)</i> , 2008, 63, 599-606.	0.8	22
68	Molecular phylogeny of Turkish <i>Trachurus</i> species (Perciformes: Carangidae) inferred from mitochondrial DNA analyses. <i>Journal of Fish Biology</i> , 2008, 73, 1228-1248.	0.7	22
69	Cloning, Expression, Purification and Characterization of Fructose-1,6-bisphosphate Aldolase from <i>Anoxybacillus gonensis</i> G2. <i>Journal of Biochemistry</i> , 2007, 141, 817-825.	0.9	20
70	Purification and characterization of a highly thermostable α -L-Arabinofuranosidase from <i>Geobacillus caldxylyticus</i> TK4. <i>Applied Microbiology and Biotechnology</i> , 2007, 75, 813-820.	1.7	32
71	Determination and Characterization of Thermostable Esterolytic Activity from a Novel Thermophilic Bacterium <i>Anoxybacillus gonensis</i> A4. <i>BMB Reports</i> , 2007, 40, 588-594.	1.1	28
72	Evaluation of arabinofuranosidase and xylanase activities of <i>Geobacillus</i> spp. isolated from some hot springs in Turkey. <i>Journal of Microbiology and Biotechnology</i> , 2007, 17, 1262-70.	0.9	15

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73	Intraspecific variation of <i>Bufo bufo</i> , based on 16S Ribosomal RNA sequences. <i>Amphibia - Reptilia</i> , 2006, 27, 268-273.	0.1	11
74	Characterization of a thermoalkalophilic esterase from a novel thermophilic bacterium, G2. <i>Bioresource Technology</i> , 2005, 96, 625-631.	4.8	49
75	Diphenolases from <i>Anoxybacillus kestanbolensis</i> strains K1 and K4 T. <i>World Journal of Microbiology and Biotechnology</i> , 2005, 21, 501-507.	1.7	16
76	<i>Anoxybacillus ayderensis</i> sp. nov. and <i>Anoxybacillus kestanbolensis</i> sp. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2004, 54, 1499-1503.	0.8	73
77	<i>Anoxybacillus gonensis</i> sp. nov., a moderately thermophilic, xylose-utilizing, endospore-forming bacterium. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2003, 53, 1315-1320.	0.8	108
78	Oxidative cleavage of DNA by homo- and heteronuclear Cu(II)-Mn(II) complexes of an oxime-type ligand. <i>BioMetals</i> , 2002, 15, 357-365.	1.8	44
79	DNA cleavage by homo- and heterotetranuclear Cu(II) and Mn(II) complexes with tetrathioether-tetrathiol moiety. <i>BioMetals</i> , 2000, 13, 261-265.	1.8	9
80	Eukaryotic Selenocysteine Incorporation Follows a Nonprocessive Mechanism That Competes with Translational Termination. <i>Journal of Biological Chemistry</i> , 2000, 275, 14846-14852.	1.6	47
81	The Effect of a CO ₂ -Saturated CaCl ₂ Solution on the Transformation Efficiency of <i>Escherichia coli</i> JM 1 09 with an M 13 Derivative. <i>Turkish Journal of Biology</i> , 1997, 21, 133-139.	2.1	2
82	Comparative Replication of <i>Autographa californica</i> Nuclear Polyhedrosis Virus in Insect Cell Cultures. <i>Turkish Journal of Biology</i> , 1997, 21, 63-70.	2.1	0
83	Mutagenesis of the cyclic AMP receptor protein of <i>Escherichia coli</i> : targeting positions 83, 127 and 128 the cyclic nucleotide binding pocket. <i>Nucleic Acids Research</i> , 1994, 22, 2894-2901.	6.5	55
84	Mutagenesis of the cyclic AMP receptor protein of <i>Escherichia coli</i> targeting positions 72 and 82 of the cyclic nucleotide binding pocket. <i>Nucleic Acids Research</i> , 1993, 21, 1827-1835.	6.5	35
85	Molecular diversity of thermophilic bacteria isolated from Pasinler hot spring (Erzurum, Turkey). <i>Turkish Journal of Biology</i> , 0, , .	2.1	3
86	Isolation and characterization of xylanolytic new strains of <i>Anoxybacillus</i> from some hot springs in Turkey. <i>Turkish Journal of Biology</i> , 0, , .	2.1	6