

Bassem Jaouadi

List of Publications by Year in descending order

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91
papers

2,767
citations

147566

31
h-index

197535

49
g-index

94
all docs

94
docs citations

94
times ranked

2357
citing authors

#	ARTICLE	IF	CITATIONS
1	Biochemical and molecular characterization of a detergent-stable serine alkaline protease from <i>Bacillus pumilus</i> CBS with high catalytic efficiency. <i>Biochimie</i> , 2008, 90, 1291-1305.	1.3	166
2	Purification and characterization of a thermostable keratinolytic serine alkaline proteinase from <i>Streptomyces</i> sp. strain AB1 with high stability in organic solvents. <i>Bioresource Technology</i> , 2010, 101, 8361-8369.	4.8	116
3	Hypoglycemic and antilipidemic properties of kombucha tea in alloxan-induced diabetic rats. <i>BMC Complementary and Alternative Medicine</i> , 2012, 12, 63.	3.7	115
4	Biochemical and Molecular Characterization of a Serine Keratinase from <i>Brevibacillus brevis</i> US575 with Promising Keratin-Biodegradation and Hide-Dehairing Activities. <i>PLoS ONE</i> , 2013, 8, e76722.	1.1	115
5	Purification and biochemical characterization of a detergent-stable keratinase from a newly thermophilic actinomycete <i>Actinomadura keratinilytica</i> strain Cpt29 isolated from poultry compost. <i>Journal of Bioscience and Bioengineering</i> , 2014, 117, 413-421.	1.1	100
6	Inhibition of Fungi and Gram-Negative Bacteria by Bacteriocin BacTN635 Produced by <i>Lactobacillus plantarum</i> sp. TN635. <i>Applied Biochemistry and Biotechnology</i> , 2010, 162, 1132-1146.	1.4	86
7	Optimization and biochemical characterization of a bacteriocin from a newly isolated <i>Bacillus subtilis</i> strain 14B for biocontrol of <i>Agrobacterium</i> spp. strains. <i>Letters in Applied Microbiology</i> , 2009, 48, 253-260.	1.0	81
8	Biochemical and molecular characterization of a thermo- and detergent-stable alkaline serine keratinolytic protease from <i>Bacillus circulans</i> strain DZ100 for detergent formulations and feather-biodegradation process. <i>International Biodeterioration and Biodegradation</i> , 2013, 83, 129-138.	1.9	76
9	A novel keratinase from <i>Bacillus tequilensis</i> strain Q7 with promising potential for the leather bating process. <i>International Journal of Biological Macromolecules</i> , 2015, 79, 952-964.	3.6	73
10	Physical and enzymatic properties of a new manganese peroxidase from the white-rot fungus <i>Trametes pubescens</i> strain i8 for lignin biodegradation and textile-dyes biodecolorization. <i>International Journal of Biological Macromolecules</i> , 2019, 125, 514-525.	3.6	73
11	Enhancement of the thermostability and the catalytic efficiency of <i>Bacillus pumilus</i> CBS protease by site-directed mutagenesis. <i>Biochimie</i> , 2010, 92, 360-369.	1.3	69
12	Biochemical characterization of a detergent-stable serine alkaline protease from <i>Caldicoprobacter guelmensis</i> . <i>International Journal of Biological Macromolecules</i> , 2015, 81, 299-307.	3.6	69
13	Novel serine keratinase from <i>Caldicoprobacter algeriensis</i> exhibiting outstanding hide dehairing abilities. <i>International Journal of Biological Macromolecules</i> , 2016, 86, 321-328.	3.6	68
14	Production, purification and biochemical characterization of a novel detergent-stable serine alkaline protease from <i>Bacillus safensis</i> strain RH12. <i>International Journal of Biological Macromolecules</i> , 2019, 121, 1227-1239.	3.6	66
15	Excellent laundry detergent compatibility and high dehairing ability of the <i>Bacillus pumilus</i> CBS alkaline proteinase (SAPB). <i>Biotechnology and Bioprocess Engineering</i> , 2009, 14, 503-512.	1.4	57
16	Characterization, high production and antimicrobial activity of exopolysaccharides from <i>Lactococcus lactis</i> F-mou. <i>Microbial Pathogenesis</i> , 2019, 132, 10-19.	1.3	57
17	Purification and biochemical characterization of two keratinases from <i>Bacillus amyloliquefaciens</i> S13 isolated from marine brown alga <i>Zonaria tournefortii</i> with potential keratin-biodegradation and hide-unhairing activities. <i>International Journal of Biological Macromolecules</i> , 2019, 122, 758-769.	3.6	53
18	Inhibitory effect of fenugreek galactomannan on digestive enzymes related to diabetes, hyperlipidemia, and liver-kidney dysfunctions. <i>Biotechnology and Bioprocess Engineering</i> , 2010, 15, 407-413.	1.4	52

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19	Characterization of a novel protease from <i>Aeribacillus pallidus</i> strain VP3 with potential biotechnological interest. <i>International Journal of Biological Macromolecules</i> , 2017, 94, 221-232.	3.6	51
20	Purification and characterization of two novel peroxidases from the dye-decolorizing fungus <i>Bjerkandera adusta</i> strain CX-9. <i>International Journal of Biological Macromolecules</i> , 2018, 106, 636-646.	3.6	51
21	Purification, biochemical, and molecular characterization of novel protease from <i>Bacillus licheniformis</i> strain K7A. <i>International Journal of Biological Macromolecules</i> , 2018, 114, 1033-1048.	3.6	50
22	The overexpression of the SAPB of <i>Bacillus pumilus</i> CBS and mutated sapB-L311/T33S/N99Y alkaline proteases in <i>Bacillus subtilis</i> DB430: New attractive properties for the mutant enzyme. <i>Bioresource Technology</i> , 2012, 105, 142-151.	4.8	46
23	A novel detergent-stable solvent-tolerant serine thiol alkaline protease from <i>Streptomyces koyangensis</i> TN650. <i>International Journal of Biological Macromolecules</i> , 2015, 79, 871-882.	3.6	46
24	Fermentation of date palm juice by curdlan gum production from <i>Rhizobium radiobacter</i> ATCC 6466, Purification, rheological and physico-chemical characterization. <i>LWT - Food Science and Technology</i> , 2011, 44, 1026-1034.	2.5	41
25	A thermophilic and thermostable xylanase from <i>Caldicoprobacter algeriensis</i> : Recombinant expression, characterization and application in paper biobleaching. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 808-817.	3.6	39
26	<i>Bacillus subtilis</i> bacteriocin Bac 14B with a broad inhibitory spectrum: Purification, amino acid sequence analysis, and physicochemical characterization. <i>Biotechnology and Bioprocess Engineering</i> , 2012, 17, 41-49.	1.4	38
27	Optimized production and characterization of a detergent-stable protease from <i>Lysinibacillus fusiformis</i> C250R. <i>International Journal of Biological Macromolecules</i> , 2017, 101, 383-397.	3.6	37
28	A novel organic solvent- and detergent-stable serine alkaline protease from <i>Trametes cingulata</i> strain CTM10101. <i>International Journal of Biological Macromolecules</i> , 2016, 91, 961-972.	3.6	36
29	Identification of a novel protease from the thermophilic <i>Anoxybacillus kamchatkensis</i> M1V and its application as laundry detergent additive. <i>Extremophiles</i> , 2019, 23, 687-706.	0.9	36
30	Biochemical and molecular characterization of new keratinolytic protease from <i>Actinomadura viridilutea</i> DZ50. <i>International Journal of Biological Macromolecules</i> , 2016, 92, 299-315.	3.6	35
31	Therapeutic effects of soy isoflavones on $\hat{\pm}$ -amylase activity, insulin deficiency, liver and kidney function and metabolic disorders in diabetic rats. <i>Natural Product Research</i> , 2011, 25, 244-255.	1.0	34
32	New Bacteriocin from <i>Bacillus clausii</i> Strain GM17: Purification, Characterization, and Biological Activity. <i>Applied Biochemistry and Biotechnology</i> , 2013, 171, 2186-2200.	1.4	33
33	Production, purification, and biochemical characterization of serine alkaline protease from <i>Penicillium chrysogenum</i> strain X5 used as excellent bio-additive for textile processing. <i>International Journal of Biological Macromolecules</i> , 2018, 119, 1002-1016.	3.6	32
34	Modulatory effect of fenugreek saponins on the activities of intestinal and hepatic disaccharidase and glycogen and liver function of diabetic rats. <i>Biotechnology and Bioprocess Engineering</i> , 2010, 15, 745-753.	1.4	30
35	Potential protective effect on key steroidogenesis and metabolic enzymes and sperm abnormalities by fenugreek steroids in testis and epididymis of surviving diabetic rats. <i>Archives of Physiology and Biochemistry</i> , 2010, 116, 146-155.	1.0	30
36	Purification and characterization of two extracellular peroxidases from <i>Streptomyces</i> sp. strain AM2, a decolorizing actinomycetes responsible for the biodegradation of natural humic acids. <i>International Biodeterioration and Biodegradation</i> , 2011, 65, 470-478.	1.9	30

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37	Purification and biochemical characterization of a novel thermostable protease from the oyster mushroom <i>Pleurotus sajor-caju</i> strain CTM10057 with industrial interest. <i>BMC Biotechnology</i> , 2019, 19, 43.	1.7	30
38	Probing the Crucial Role of Leu31 and Thr33 of the <i>Bacillus pumilus</i> CBS Alkaline Protease in Substrate Recognition and Enzymatic Depilation of Animal Hide. <i>PLoS ONE</i> , 2014, 9, e108367.	1.1	28
39	A thermostable humic acid peroxidase from <i>Streptomyces</i> sp. strain AH4: Purification and biochemical characterization. <i>Bioresource Technology</i> , 2012, 111, 383-390.	4.8	26
40	Biochemical characterization of a novel thermostable chitinase from <i>Hydrogenophilus hirschii</i> strain KB-DZ44. <i>International Journal of Biological Macromolecules</i> , 2018, 106, 338-350.	3.6	26
41	Inhibitory effects of estrogens on digestive enzymes, insulin deficiency, and pancreas toxicity in diabetic rats. <i>Journal of Physiology and Biochemistry</i> , 2011, 67, 121-128.	1.3	25
42	Purification, biochemical, and molecular characterization of a novel extracellular thermostable and alkaline α -amylase from <i>Tepidimonas fonticaldi</i> strain HB23. <i>International Journal of Biological Macromolecules</i> , 2019, 132, 558-574.	3.6	25
43	Purification and biochemical characterization of a new organic solvent-tolerant chitinase from <i>Paenibacillus timonensis</i> strain LK-DZ15 isolated from the Djurdjura Mountains in Kabylia, Algeria. <i>Carbohydrate Research</i> , 2019, 483, 107747.	1.1	24
44	Exploring the acidotolerance of β -galactosidase from <i>Lactobacillus delbrueckii</i> subsp. <i>bulgaricus</i> : an attractive enzyme for lactose bioconversion. <i>Research in Microbiology</i> , 2009, 160, 775-784.	1.0	23
45	Purification and biochemical characterization of a novel thermostable and halotolerant subtilisin SAPN, a serine protease from <i>Melghiribacillus thermohalophilus</i> Nari2AT for chitin extraction from crab and shrimp shell by-products. <i>Extremophiles</i> , 2019, 23, 529-547.	0.9	23
46	A biological clean processing approach for the valorization of speckled shrimp <i>Metapenaeus monoceros</i> by-product as a source of bioactive compounds. <i>Environmental Science and Pollution Research</i> , 2020, 27, 15842-15855.	2.7	22
47	Production, purification, and characterization of a highly thermostable and humic acid biodegrading peroxidase from a decolorizing <i>Streptomyces albidoflavus</i> strain TN644 isolated from a Tunisian off-shore oil field. <i>International Biodeterioration and Biodegradation</i> , 2014, 90, 36-44.	1.9	21
48	Biochemical and molecular characterization of <i>Pseudomonas aeruginosa</i> CTM50182 organic solvent-stable elastase. <i>International Journal of Biological Macromolecules</i> , 2013, 60, 165-177.	3.6	18
49	A novel thermostable and efficient Class II glucose isomerase from the thermophilic <i>Caldicoprobacter algeriensis</i> : Biochemical characterization, molecular investigation, and application in High Fructose Syrup production. <i>International Journal of Biological Macromolecules</i> , 2019, 129, 31-40.	3.6	18
50	Biochemical and molecular characterization of an acido-thermostable endo-chitinase from <i>Bacillus altitudinis</i> KA15 for industrial degradation of chitinous waste. <i>Carbohydrate Research</i> , 2020, 495, 108089.	1.1	18
51	Characterization of a purified decolorizing detergent-stable peroxidase from <i>Streptomyces griseosporus</i> SN9. <i>International Journal of Biological Macromolecules</i> , 2015, 73, 253-263.	3.6	17
52	Purification and biochemical characterization of a novel acido-halotolerant and thermostable endochitinase from <i>Melghiribacillus thermohalophilus</i> strain Nari2AT. <i>Carbohydrate Research</i> , 2019, 473, 46-56.	1.1	17
53	Heterologous expression and purification of keratinase from <i>Actinomadura viridilutea</i> DZ50: feather biodegradation and animal hide dehairing bioprocesses. <i>Environmental Science and Pollution Research</i> , 2021, 28, 9921-9934.	2.7	17
54	Purification and biochemical characterization of two detergent-stable serine alkaline proteases from <i>Streptomyces</i> sp. strain AH4. <i>World Journal of Microbiology and Biotechnology</i> , 2015, 31, 1079-1092.	1.7	16

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55	Purification and Biochemical Characterization of a Highly Thermostable Bacteriocin Isolated from <i>Brevibacillus brevis</i> Strain GM100. <i>Bioscience, Biotechnology and Biochemistry</i> , 2013, 77, 151-160.	0.6	14
56	Statistical Experimental Design Optimization of Microbial Proteases Production under Co-Culture Conditions for Chitin Recovery from Speckled Shrimp <i>Metapenaeus monoceros</i> By-Product. <i>BioMed Research International</i> , 2020, 2020, 1-10.	0.9	13
57	Production optimization, characterization, and covalent immobilization of a thermophilic <i>Serratia rubidaea</i> lipase isolated from an Algerian oil waste. <i>Molecular Biology Reports</i> , 2019, 46, 3167-3181.	1.0	12
58	Identification of a New Serine Alkaline Peptidase from the Moderately Halophilic <i>Virgibacillus natechei</i> sp. nov., Strain FarD ^T and its Application as Bioadditive for Peptide Synthesis and Laundry Detergent Formulations. <i>BioMed Research International</i> , 2019, 2019, 1-17.	0.9	12
59	Gene cloning, expression, molecular modeling and docking study of the protease SAPRH from <i>Bacillus safensis</i> strain RH12. <i>International Journal of Biological Macromolecules</i> , 2019, 125, 876-891.	3.6	12
60	Antioxidant and Enzyme Inhibitory Activities of <i>Metapenaeus monoceros</i> By-Product Hydrolysates Elaborated by Purified Alkaline Proteases. <i>Waste and Biomass Valorization</i> , 2020, 11, 6741-6755.	1.8	12
61	Cloning and heterologous expression of subtilisin SAPN, a serine alkaline protease from <i>Melghiribacillus thermohalophilus</i> Nari2AT in <i>Escherichia coli</i> and <i>Pichia pastoris</i> . <i>Process Biochemistry</i> , 2021, 105, 27-41.	1.8	11
62	The Bioengineering and Industrial Applications of Bacterial Alkaline Proteases: the Case of SAPB and KERAB. , 0, , .		9
63	Purification and biochemical characterization of two novel extracellular keratinases with feather-degradation and hide-dehairing potential. <i>Process Biochemistry</i> , 2021, 106, 137-148.	1.8	9
64	Identification and homology modeling of a new biotechnologically compatible serine alkaline protease from moderately halotolerant <i>Gracilibacillus boracitolerans</i> strain LO15. <i>International Journal of Biological Macromolecules</i> , 2020, 161, 1456-1469.	3.6	8
65	Characterization of chitinase from <i>Shewanella inventionis</i> HE3 with bio-insecticidal effect against granary weevil, <i>Sitophilus granarius</i> Linnaeus (Coleoptera: Curculionidae). <i>Process Biochemistry</i> , 2020, 97, 222-233.	1.8	8
66	Extraction and characterization of chitin, chitosan, and protein hydrolysate from the invasive Pacific blue crab, <i>Portunus segnis</i> (Forskål, 1775) having potential biological activities. <i>Environmental Science and Pollution Research</i> , 2022, 29, 36023-36039.	2.7	8
67	Biochemical and molecular characterization of a novel metalloprotease from <i>Pseudomonas fluorescens</i> strain TBS09. <i>International Journal of Biological Macromolecules</i> , 2018, 107, 2351-2363.	3.6	6
68	A novel peroxidase from white-rot <i>Agaricomycetes</i> fungus <i>Phlebia radiata</i> strain KB-DZ15: Its purification, characterisation, and potential application for dye-decolorisation and lignin-biodegradation. <i>Biocatalysis and Biotransformation</i> , 2022, 40, 365-377.	1.1	6
69	A Taguchi design approach for the enhancement of a <i>biocompatible</i> alkaline thermostable protease production by <i>Streptomyces mutabilis</i> strain <i>TN30</i> . <i>Journal of Surfactants and Detergents</i> , 2022, 25, 487-504.	1.0	6
70	Protective effects of dietary Kefir against aflatoxin B1-induced hepatotoxicity in Nile tilapia fish, <i>Oreochromis niloticus</i> . <i>Food Science and Nutrition</i> , 2022, 10, 2300-2311.	1.5	5
71	In Vivo Prevention of Bladder Urotoxicity. <i>International Journal of Toxicology</i> , 2011, 30, 419-427.	0.6	4
72	Characterization of an original serine alkaline proteinase from <i>Bacillus pumilus</i> CBS. <i>Journal of Biotechnology</i> , 2008, 136, S305.	1.9	3

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73	Î±-Amylase production by <i>Tepidimonas fonticaldi</i> strain HB23: statistical optimization and compatibility study for use in detergent formulations. <i>Environmental Science and Pollution Research</i> , 2020, 27, 37164-37172.	2.7	3
74	A new peroxidase from the roots of the Algerian white turnip (<i>Brassica rapa</i> , variety) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 To Biotransformation, 2022, 40, 432-449.	1.1	3
75	Anti-Biofilm, Antioxidant and Cytotoxic Potential of F5, a Peptide Derived from Waste Generated During the Processing of the White Shrimp, <i>Metapenaeus monoceros</i> (Fabricius, 1798). <i>Waste and Biomass Valorization</i> , 2022, 13, 3233-3244.	1.8	3
76	An ecotoxicological approach for assessing marine pollution: Comparative study of multi-responses of marine mussels, <i>Mytilus galloprovincialis</i> and <i>Perna perna</i> , exposed to pollutant heavy metals (copper and lead). <i>Regional Studies in Marine Science</i> , 2022, 52, 102334.	0.4	3
77	Valorization of Potato Peels Starch for Efficient Cyclodextrin Production and Purification through an Eco-Friendly Process. <i>Starch/Staerke</i> , 2022, 74, .	1.1	3
78	Do diosgenin ameliorate urinary bladder toxic effect of cyclophosphamide and buthionine sulfoximine in experimental animal models?. <i>African Journal of Biotechnology</i> , 2012, 11, 2146-2153.	0.3	2
79	The Promising Keratin-Biodegradation and Hide-Dehairing Activities of the Keratinase KERUS from <i>Brevibacillus Brevis</i> Strain US575. <i>Advances in Science, Technology and Innovation</i> , 2018, , 133-135.	0.2	2
80	Multiple linear regression models to simulate spore yields of <i>Bacillus amyloliquefaciens</i> BS13 through optimization of medium composition. <i>Biotechnology and Applied Biochemistry</i> , 2022, 69, 2686-2697.	1.4	2
81	Does probiotic Kefir reduce dyslipidemia, hematological disorders and oxidative stress induced by zearalenone toxicity in wistar rats?. <i>Toxicon: X</i> , 2022, 14, 100121.	1.2	2
82	A novel detergent-stable protease from <i>Penicillium chrysogenum</i> ; X5 and its utility in textile fibres processing. , 0, , .		1
83	Production of ChiA-Pt70, a new organic solvent-tolerant extracellular chitinase from <i>Paenibacillus timonensis</i> ; strain LK-DZ15. , 0, , .		1
84	Identification and characterization of a highly chitinase-producing <i>Paenibacillus timonensis</i> LK-DZ15 strain. , 0, , .		1
85	The Attractive Proprieties of the Keratinase KERQ7 from <i>Bacillus Tequilensis</i> Strain Q7 with Promising Potential for the Leather Bating Process. <i>Advances in Science, Technology and Innovation</i> , 2018, , 137-139.	0.2	0
86	Expression of Mutated SapB-N99Y Keratinase in <i>Bacillus subtilis</i> DB430 and Its Attractive Properties for Soaking Hides and Skins in the Leather Processing Industry. <i>Environmental Science and Engineering</i> , 2021, , 743-749.	0.1	0
87	Production, partial purification, characterization, and application as laundry detergent additive of an alkalophilic protease from <i>Bacillus velezensis</i> ; strain F35. , 0, , .		0
88	Characterization of a novel protease from <i>Anoxybacillus kamchatkensis</i> strain M1V with biotechnological interest. , 0, , .		0
89	Purification and biochemical characterization of a novel detergent-stable serine alkaline protease from <i>Bacillus safensis</i> ; strain RH12. , 0, , .		0
90	Protease production from <i>Lysinibacillus fusiformis</i> ; strain C250R: Statistical optimization and compatibility study for use in detergent formulations. , 0, , .		0

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91	Immune condition of the carpet shell clam (Ruditapes) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 742 Td (de		