

Bassem Jaouadi

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82
papers

2,073
citations

27
h-index

43
g-index

94
ext. papers

2,399
ext. citations

4.7
avg, IF

4.73
L-index

#	Paper	IF	Citations
82	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, 1291-305	4.6	149
81	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, 8361-9	11	106
80	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	3.7	96
79	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, 413-21	3.3	83
78	Hypoglycemic and antilipidemic properties of kombucha tea in alloxan-induced diabetic rats. <i>BMC Complementary and Alternative Medicine</i> , 2012 , 12, 63	4.7	77
77	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, 1132-46	3.2	74
76	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, 253-60	2.9	65
75	Enhancement of the thermostability and the catalytic efficiency of <i>Bacillus pumilus</i> CBS protease by site-directed mutagenesis. <i>Biochimie</i> , 2010 , 92, 360-9	4.6	61
74	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	7.9	60
73	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	4.8	59
72	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, 952-64	7.9	54
71	Novel serine keratinase from <i>Caldicoprobacter algeriensis</i> exhibiting outstanding hide dehairing abilities. <i>International Journal of Biological Macromolecules</i> , 2016 , 86, 321-8	7.9	53
70	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	3.1	50
69	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	7.9	48
68	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	7.9	43
67	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	7.9	41
66	The overexpression of the SAPB of <i>Bacillus pumilus</i> CBS and mutated sapB-L311/T335/N99Y alkaline proteases in <i>Bacillus subtilis</i> DB430: new attractive properties for the mutant enzyme. <i>Bioresource Technology</i> , 2012 , 105, 142-51	11	39

65	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, 871-82	7.9	36
64	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	3.1	36
63	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	7.9	36
62	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	5.4	34
61	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	7.9	34
60	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	7.9	33
59	Therapeutic effects of soy isoflavones on α -amylase activity, insulin deficiency, liver-kidney function and metabolic disorders in diabetic rats. <i>Natural Product Research</i> , 2011 , 25, 244-55	2.3	31
58	Characterization, high production and antimicrobial activity of exopolysaccharides from <i>Lactococcus lactis</i> F-mou. <i>Microbial Pathogenesis</i> , 2019 , 132, 10-19	3.8	30
57	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	7.9	30
56	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	4.8	28
55	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, 961-72	7.9	27
54	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	7.9	26
53	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, 146-55	2.2	26
52	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	3.7	25
51	New bacteriocin from <i>Bacillus clausii</i> strain GM17: purification, characterization, and biological activity. <i>Applied Biochemistry and Biotechnology</i> , 2013 , 171, 2186-200	3.2	24
50	<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	3.1	24
49	A thermostable humic acid peroxidase from <i>Streptomyces</i> sp. strain AH4: purification and biochemical characterization. <i>Bioresource Technology</i> , 2012 , 111, 383-90	11	23
48	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	7.9	22

47	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	3	22
46	Exploring the acidotolerance of beta-galactosidase from <i>Lactobacillus delbrueckii</i> subsp. <i>bulgaricus</i> : an attractive enzyme for lactose bioconversion. <i>Research in Microbiology</i> , 2009 , 160, 775-84	4	22
45	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	3.1	22
44	Inhibitory effects of estrogens on digestive enzymes, insulin deficiency, and pancreas toxicity in diabetic rats. <i>Journal of Physiology and Biochemistry</i> , 2011 , 67, 121-8	5	21
43	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	7.9	21
42	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	4.8	19
41	Purification and biochemical characterization of a novel thermostable and halotolerant subtilisin SAPN, a serine protease from <i>Melghiribacillus thermohalophilus</i> Nari2A for chitin extraction from crab and shrimp shell by-products. <i>Extremophiles</i> , 2019 , 23, 529-547	3	17
40	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	3.5	17
39	Biochemical and molecular characterization of <i>Pseudomonas aeruginosa</i> CTM50182 organic solvent-stable elastase. <i>International Journal of Biological Macromolecules</i> , 2013 , 60, 165-77	7.9	17
38	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	7.9	17
37	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	7.9	16
36	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	2.9	16
35	Characterization of a purified decolorizing detergent-stable peroxidase from <i>Streptomyces griseosporus</i> SN9. <i>International Journal of Biological Macromolecules</i> , 2015 , 73, 253-63	7.9	14
34	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, 1079-92	4.4	13
33	Purification and biochemical characterization of a novel acido-halotolerant and thermostable endochitinase from <i>Melghiribacillus thermohalophilus</i> strain Nari2A. <i>Carbohydrate Research</i> , 2019 , 473, 46-56	2.9	13
32	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	5.1	12
31	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	7.9	9
30	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, 151-60	2.1	9

29	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	3.2	8
28	The Bioengineering and Industrial Applications of Bacterial Alkaline Proteases: the Case of SAPB and KERAB 2011 ,		8
27	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 ^{2.9}		8
26	Identification of a New Serine Alkaline Peptidase from the Moderately Halophilic sp. nov., Strain FarD and its Application as Bioadditive for Peptide Synthesis and Laundry Detergent Formulations. <i>BioMed Research International</i> , 2019 , 2019, 6470897	3	8
25	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	2.8	7
24	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	5.1	7
23	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	7.9	6
22	Statistical Experimental Design Optimization of Microbial Proteases Production under Co-Culture Conditions for Chitin Recovery from Speckled Shrimp By-Product. <i>BioMed Research International</i> , 2020 , 2020, 3707804	3	5
21	Identification and homology modeling of a new biotechnologically compatible serine alkaline protease from moderately halotolerant <i>Gracilibacillus boracii</i> tolerans strain LO15. <i>International Journal of Biological Macromolecules</i> , 2020 , 161, 1456-1469	7.9	4
20	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	7.9	4
19	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	4.8	3
18	In vivo prevention of bladder urotoxicity: purified hydroxytyrosol ameliorates urotoxic effects of cyclophosphamide and buthionine sulfoximine in mice. <i>International Journal of Toxicology</i> , 2011 , 30, 419 ^{2.7}	2.7	3
17	Purification and biochemical characterization of two novel extracellular keratinases with feather-degradation and hide-dehairing potential. <i>Process Biochemistry</i> , 2021 , 106, 137-148	4.8	3
16	Characterization of an original serine alkaline proteinase from <i>Bacillus pumilus</i> CBS. <i>Journal of Biotechnology</i> , 2008 , 136, S305	3.7	2
15	αAmylase 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	5.1	2
14	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	4.8	2
13	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	0.3	1
12	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	0.6	1

11	Extraction and characterization of chitin, chitosan, and protein hydrolysate from the invasive Pacific blue crab, <i>Portunus segnis</i> (Forsk.) 1775) having potential biological activities.. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	1
10	A Taguchi design approach for the enhancement of a detergent-biocompatible alkaline thermostable protease production by <i>Streptomyces mutabilis</i> strain TN-X30. <i>Journal of Surfactants and Detergents</i> ,	1.9	1
9	A novel peroxidase from white-rot Agaricomycetes 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> ,1-13	2.5	1
8	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> ,1	3.2	1
7	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	1.5	1
6	Valorization of Potato Peels Starch for Efficient β Cyclodextrin Production and purification through an Eco-Friendly Process. <i>Starch/Staerke</i> ,2200037	2.3	1
5	A new peroxidase from the roots of the Algerian white turnip (<i>Brassica rapa</i> , variety <i>rapa</i>): extraction, purification, characterisation, and antioxidant potential. <i>Biocatalysis and Biotransformation</i> ,1-18	2.5	0
4	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	0.3	
3	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	0.2	
2	Biotechnological Properties of New Microbial Peroxidases for Lignin and Humic Acid Biodegradation and Biodeterioration. <i>Environmental Science and Engineering</i> , 2021 , 771-776	0.2	
1	Does probiotic Kefir reduce dyslipidemia, hematological disorders and oxidative stress induced by zearalenone toxicity in wistar rats?. <i>Toxicon: X</i> , 2022 , 14, 100121	2.6	