

Sonia Jemli

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

458
citations

840776

11
h-index

713466

21
g-index

26
all docs

26
docs citations

26
times ranked

672
citing authors

#	ARTICLE	IF	CITATIONS
1	Biocatalysts: application and engineering for industrial purposes. <i>Critical Reviews in Biotechnology</i> , 2016, 36, 246-258.	9.0	145
2	A β -cyclodextrin glycosyltransferase from a newly isolated <i>Paenibacillus pabuli</i> US132 strain: Purification, properties and potential use in bread-making. <i>Biochemical Engineering Journal</i> , 2007, 34, 44-50.	3.6	44
3	Make it clean, make it safe: A review on virus elimination via adsorption. <i>Chemical Engineering Journal</i> , 2021, 412, 128682.	12.7	40
4	Heterologous expression, secretion and characterization of the <i>Geobacillus thermoleovorans</i> US105 type I pullulanase. <i>Applied Microbiology and Biotechnology</i> , 2008, 78, 473-481.	3.6	39
5	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.	7.5	39
6	The Cyclodextrin Glycosyltransferase of <i>Paenibacillus pabuli</i> US132 Strain: Molecular Characterization and Overproduction of the Recombinant Enzyme. <i>Journal of Biomedicine and Biotechnology</i> , 2008, 1-9.	3.0	17
7	Highlight on the expression and the function of a novel MnSOD from diploid wheat (<i>T. monococcum</i>) in response to abiotic stress and heavy metal toxicity. <i>Plant Physiology and Biochemistry</i> , 2019, 142, 384-394.	5.8	17
8	Cloning and Sequencing of an Original Gene Encoding a Maltogenic Amylase from <i>Bacillus</i> sp. US149 Strain and Characterization of the Recombinant Activity. <i>Molecular Biotechnology</i> , 2008, 38, 211-219.	2.4	16
9	Localization and expression analysis of a novel catalase from <i>Triticum monococcum</i> TmCAT1 involved in response to different environmental stresses. <i>Plant Physiology and Biochemistry</i> , 2019, 139, 366-378.	5.8	16
10	A novel Vip3Aa16-Cry1Ac chimera toxin: Enhancement of toxicity against <i>Ephestia kuehniella</i> , structural study and molecular docking. <i>International Journal of Biological Macromolecules</i> , 2018, 117, 752-761.	7.5	15
11	Improvement of cyclodextrin glycosyltransferase (CGTase) production by recombinant <i>Escherichia coli</i> pAD26 immobilized on the cotton. <i>Biologia (Poland)</i> , 2012, 67, 1049-1055.	1.5	11
12	<i>Aspergillus Oryzae</i> S2 β -Amylase Domain C Involvement in Activity and Specificity: In Vivo Proteolysis, Molecular and Docking Studies. <i>PLoS ONE</i> , 2016, 11, e0153868.	2.5	11
13	Mutations affecting the activity of the cyclodextrin glucanotransferase of <i>Paenibacillus pabuli</i> US132: insights into the low hydrolytic activity of cyclodextrin glucanotransferases. <i>Biologia (Poland)</i> , 2012, 67, 636-643.	1.5	7
14	Superoxide dismutase (SOD) family in durum wheat: promising candidates for improving crop resilience. <i>Protoplasma</i> , 2023, 260, 145-158.	2.1	7
15	Excretory overexpression of <i>Paenibacillus pabuli</i> US132 cyclodextrin glucanotransferase (CGTase) in <i>Escherichia coli</i> : gene cloning and optimization of the culture conditions using experimental design. <i>Biologia (Poland)</i> , 2011, 66, 945-953.	1.5	6
16	Modifying <i>Aspergillus Oryzae</i> S2 amylase substrate specificity and thermostability through its tetramerisation using biochemical and in silico studies and stabilization. <i>International Journal of Biological Macromolecules</i> , 2018, 117, 483-492.	7.5	6
17	Identification and molecular characterization of a novel non-specific lipid transfer protein (TdLTP2) from durum wheat. <i>PLoS ONE</i> , 2022, 17, e0266971.	2.5	5
18	US132 Cyclodextrin Glucanotransferase Engineering by Random Mutagenesis for an Anti-Staling Purpose. <i>Molecular Biotechnology</i> , 2016, 58, 551-557.	2.4	3

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19	Molecular characterization of Cry1D-133 toxin from <i>Bacillus thuringiensis</i> strain HD133 and its toxicity against <i>Spodoptera littoralis</i> . <i>International Journal of Biological Macromolecules</i> , 2018, 112, 1-6.	7.5	3
20	In Silico Molecular Analysis and Docking of Potent Antimicrobial Peptides Against MurE Enzyme of Methicillin Resistant <i>Staphylococcus Aureus</i> . <i>International Journal of Peptide Research and Therapeutics</i> , 2021, 27, 1253-1263.	1.9	3
21	Valorization of Potato Peels Starch for Efficient α -Cyclodextrin Production and Purification through an Eco-Friendly Process. <i>Starch/Staerke</i> , 2022, 74, .	2.1	3
22	CLONING AND SEQUENCING OF THE α -AMYLASE GENE FROM <i>BACILLUS SUBTILIS</i> US116 STRAIN ENCODING AN ENZYME CLOSELY IDENTICAL TO THAT FROM <i>BACILLUS AMYLOLIQUEFACIENS</i> BUT DISTINCT IN THERMAL STABILITY. <i>Journal of Food Biochemistry</i> , 2010, 34, 263-282.	2.9	2
23	Improved stability and reusability of cotton-immobilized recombinant <i>Escherichia coli</i> producing US132 Cyclodextrin Glucanotransferase. <i>Annals of Microbiology</i> , 2015, 65, 383-391.	2.6	1
24	Localization and in silico study of the vegetative insecticidal proteins Vip2S-Vip1S of <i>Bacillus thuringiensis</i> . <i>International Journal of Biological Macromolecules</i> , 2016, 91, 510-517.	7.5	1
25	Highlight on mutations affecting the US132 cyclodextrin glucanotransferase binding specificity, thermal stability, and anti-staling activity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 212, 112375.	5.0	1
26	Molecular and structural characterization of a novel Cry1D toxin from <i>Bacillus thuringiensis</i> with high toxicity to <i>Spodoptera littoralis</i> (Lepidoptera: Noctuidae). <i>International Journal of Biological Macromolecules</i> , 2019, 126, 969-976.	7.5	0