

Sushant K Sinha

List of Publications by Year in descending order

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papers

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citations

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docs citations

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247
citing authors

#	ARTICLE	IF	CITATIONS
1	β -Glucosidase from the hyperthermophilic archaeon <i>Thermococcus</i> sp. is a salt-tolerant enzyme that is stabilized by its reaction product glucose. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 8399-8409.	3.6	57
2	Recyclable Thermoresponsive Polymer- β -Glucosidase Conjugate with Intact Hydrolysis Activity. <i>Biomacromolecules</i> , 2018, 19, 2286-2293.	5.4	36
3	Exploiting non-conserved residues to improve activity and stability of <i>Halothermothrix orenii</i> β -glucosidase. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 1455-1463.	3.6	29
4	Probing the Effect of Glucose on the Activity and Stability of β -Glucosidase: An All-Atom Molecular Dynamics Simulation Investigation. <i>ACS Omega</i> , 2019, 4, 11189-11196.	3.5	25
5	Understanding the dissolution of softwood lignin in ionic liquid and water mixed solvents. <i>International Journal of Biological Macromolecules</i> , 2021, 182, 402-412.	7.5	23
6	The effect of ionic liquid on the structure of active site pocket and catalytic activity of a β -glucosidase from <i>Halothermothrix orenii</i> . <i>Journal of Molecular Liquids</i> , 2020, 306, 112879.	4.9	20
7	Elucidating the regulation of glucose tolerance in a β -glucosidase from <i>Halothermothrix orenii</i> by active site pocket engineering and computational analysis. <i>International Journal of Biological Macromolecules</i> , 2020, 156, 621-632.	7.5	19
8	Understanding the glucose tolerance of an archaeon β -glucosidase from <i>Thermococcus</i> sp.. <i>Carbohydrate Research</i> , 2019, 486, 107835.	2.3	17
9	Engineering of a highly thermostable endoglucanase from the GH7 family of <i>Bipolaris sorokiniana</i> for higher catalytic efficiency. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 3935-3945.	3.6	17
10	A glucose tolerant β -glucosidase from <i>Thermomicrobium roseum</i> that can hydrolyze biomass in seawater. <i>Green Chemistry</i> , 2021, 23, 7299-7311.	9.0	15
11	Probing the dynamics between the substrate and the product towards glucose tolerance of <i>Halothermothrix orenii</i> β -glucosidase. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 5438-5448.	3.5	3