

Hong-Bin Zhang

List of Publications by Year in descending order

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18
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334
citing authors

#	ARTICLE	IF	CITATIONS
1	Purification and characterization of extracellular dextranase from a novel producer, <i>Hypocrea lixii</i> F1002, and its use in oligodextran production. <i>Process Biochemistry</i> , 2011, 46, 1942-1950.	3.7	41
2	An efficiently sustainable dextran-based flocculant: Synthesis, characterization and flocculation. <i>Chemosphere</i> , 2016, 159, 342-350.	8.2	39
3	Purification, characterization, and application of a thermostable dextranase from <i>Talaromyces pinophilus</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2017, 44, 317-327.	3.0	30
4	Effects of esterification on the structural, physicochemical, and flocculation properties of dextran. <i>Carbohydrate Polymers</i> , 2017, 174, 1129-1137.	10.2	30
5	Microwave assisted synthesis and characterization of a novel bio-based flocculant from dextran and chitosan. <i>International Journal of Biological Macromolecules</i> , 2019, 131, 760-768.	7.5	28
6	Transglycosylation Improved Caffeic Acid Phenethyl Ester Anti-Inflammatory Activity and Water Solubility by <i>Leuconostoc mesenteroides</i> Dextranase. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 4505-4512.	5.2	21
7	Silica/ultrasmall Ag composite microspheres: facile synthesis, characterization and antibacterial and catalytic performance. <i>CrystEngComm</i> , 2014, 16, 2365-2370.	2.6	19
8	Functional analysis of truncated and site-directed mutagenesis dextranases to produce different type dextrans. <i>Enzyme and Microbial Technology</i> , 2017, 102, 26-34.	3.2	16
9	The thermodynamic effects of site-directed mutagenesis of proline and lysine on dextranase from <i>Leuconostoc mesenteroides</i> O326. <i>International Journal of Biological Macromolecules</i> , 2018, 107, 1641-1649.	7.5	15
10	Synthesis and characterization of a cationic dextran-based flocculant and its application in bacterial sedimentation. <i>Biochemical Engineering Journal</i> , 2022, 185, 108535.	3.6	10
11	Structural revision of methyl tortuosate D, a bis-cembranoid from Hainan <i>Sarcophyton tortuosum</i> and its absolute stereochemistry. <i>Journal of Asian Natural Products Research</i> , 2013, 15, 566-573.	1.4	9
12	Designing of a novel dextranase efficient in synthesizing oligosaccharides. <i>International Journal of Biological Macromolecules</i> , 2017, 95, 696-703.	7.5	8
13	Oxidation of dextran using H ₂ O ₂ and NaClO/NaBr and their applicability in iron chelation. <i>International Journal of Biological Macromolecules</i> , 2020, 144, 615-623.	7.5	8
14	Silica-based hybrid microspheres: synthesis, characterization and wastewater treatment. <i>RSC Advances</i> , 2013, 3, 25620.	3.6	7
15	Characterization of the inserted mutagenesis dextranases from <i>Leuconostoc mesenteroides</i> O326 to produce hyperbranched dextran. <i>International Journal of Biological Macromolecules</i> , 2018, 112, 584-590.	7.5	7
16	The effect of NaOH and NaClO/NaBr modification on the structural and physicochemical properties of dextran. <i>New Journal of Chemistry</i> , 2018, 42, 6274-6282.	2.8	6
17	The stability improvement of dextranase by artificial extension modification of the V domain of the enzyme. <i>Enzyme and Microbial Technology</i> , 2021, 151, 109919.	3.2	5
18	Analysis of the Effect of N555 Mutations on the Product Specificity of Dextranase Using Caffeic Acid Phenethyl Ester as an Acceptor Substrate. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 5774-5782.	5.2	3