

Sindhu Mathew

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

2,259
citations

471061

17
h-index

794141

19
g-index

20
all docs

20
docs citations

20
times ranked

3294
citing authors

#	ARTICLE	IF	CITATIONS
1	Ferulic Acid: An Antioxidant Found Naturally in Plant Cell Walls and Feruloyl Esterases Involved in its Release and Their Applications. <i>Critical Reviews in Biotechnology</i> , 2004, 24, 59-83.	5.1	392
2	In vitro antioxidant activity and scavenging effects of <i>Cinnamomum verum</i> leaf extract assayed by different methodologies. <i>Food and Chemical Toxicology</i> , 2006, 44, 198-206.	1.8	295
3	Characterisation of ferulic acid incorporated starch-chitosan blend films. <i>Food Hydrocolloids</i> , 2008, 22, 826-835.	5.6	284
4	Studies on the antioxidant activities of cinnamon (<i>Cinnamomum verum</i>) bark extracts, through various in vitro models. <i>Food Chemistry</i> , 2006, 94, 520-528.	4.2	256
5	Microstructural imaging and characterization of the mechanical, chemical, thermal, and swelling properties of starch-chitosan blend films. <i>Biopolymers</i> , 2006, 82, 176-187.	1.2	218
6	Reactivity of phenolic compounds towards free radicals under in vitro conditions. <i>Journal of Food Science and Technology</i> , 2015, 52, 5790-5798.	1.4	207
7	Bioconversions of Ferulic Acid, an Hydroxycinnamic Acid. <i>Critical Reviews in Microbiology</i> , 2006, 32, 115-125.	2.7	124
8	Pyrolygneous acid—the smoky acidic liquid from plant biomass. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 611-622.	1.7	91
9	Rapid conversion of ferulic acid to 4-vinyl guaiacol and vanillin metabolites by <i>Debaryomyces hansenii</i> . <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2007, 44, 48-52.	1.8	67
10	Valorization of Brewer's spent grain to prebiotic oligosaccharide: Production, xylanase catalyzed hydrolysis, in-vitro evaluation with probiotic strains and in a batch human fecal fermentation model. <i>Journal of Biotechnology</i> , 2018, 268, 61-70.	1.9	48
11	Antioxidant property and chemical profile of pyrolygneous acid from pineapple plant waste biomass. <i>Process Biochemistry</i> , 2015, 50, 1985-1992.	1.8	47
12	Studies on the production of feruloyl esterase from cereal brans and sugar cane bagasse by microbial fermentation. <i>Enzyme and Microbial Technology</i> , 2005, 36, 565-570.	1.6	41
13	Regioselective glycosylation of hydroquinone to \pm -arbutin by cyclodextrin glucanotransferase from <i>Thermoanaerobacter</i> sp.. <i>Biochemical Engineering Journal</i> , 2013, 79, 187-193.	1.8	37
14	Mediator facilitated, laccase catalysed oxidation of granular potato starch and the physico-chemical characterisation of the oxidized products. <i>Bioresource Technology</i> , 2009, 100, 3576-3584.	4.8	36
15	Xylo- and arabinoxylooligosaccharides from wheat bran by endoxylanases, utilisation by probiotic bacteria, and structural studies of the enzymes. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 3105-3120.	1.7	36
16	Extraction of soluble arabinoxylan from enzymatically pretreated wheat bran and production of short xylo-oligosaccharides and arabinoxylo-oligosaccharides from arabinoxylan by glycoside hydrolase family 10 and 11 endoxylanases. <i>Journal of Biotechnology</i> , 2017, 260, 53-61.	1.9	35
17	Analysis of carbonyl compounds in sea buckthorn for the evaluation of triglyceride oxidation, by enzymatic hydrolysis and derivatisation methodology. <i>Food Chemistry</i> , 2011, 126, 1399-1405.	4.2	20
18	Enzymatic synthesis of piceid glycosides by cyclodextrin glucanotransferase. <i>Process Biochemistry</i> , 2012, 47, 528-532.	1.8	17

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19	Cyclodextrin glucanotransferase (CGTase) catalyzed synthesis of dodecyl glucooligosides by transglycosylation using α -cyclodextrin or starch. Carbohydrate Polymers, 2012, 87, 574-580.	5.1	8
20	Detoxification of Hexavalent Chromium from Industrial Wastewater using a Bacterial Biofilm System. , 2016, , 161-182.		0