

Sindhu Mathew

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

19
papers

1,761
citations

17
h-index

20
g-index

20
ext. papers

1,991
ext. citations

6.1
avg, IF

5.09
L-index

#	Paper	IF	Citations
19	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	9.4	316
18	Characterisation of ferulic acid incorporated starch-chitosan blend films. <i>Food Hydrocolloids</i> , 2008 , 22, 826-835	10.6	238
17	In vitro antioxidant activity and scavenging effects of Cinnamomum verum leaf extract assayed by different methodologies. <i>Food and Chemical Toxicology</i> , 2006 , 44, 198-206	4.7	222
16	Studies on the antioxidant activities of cinnamon (Cinnamomum verum) bark extracts, through various in vitro models. <i>Food Chemistry</i> , 2006 , 94, 520-528	8.5	196
15	Microstructural imaging and characterization of the mechanical, chemical, thermal, and swelling properties of starch-chitosan blend films. <i>Biopolymers</i> , 2006 , 82, 176-87	2.2	164
14	Reactivity of phenolic compounds towards free radicals under in vitro conditions. <i>Journal of Food Science and Technology</i> , 2015 , 52, 5790-8	3.3	136
13	Bioconversions of ferulic acid, an hydroxycinnamic acid. <i>Critical Reviews in Microbiology</i> , 2006 , 32, 115-257.8	7.8	103
12	Pyroligneous acid-the smoky acidic liquid from plant biomass. <i>Applied Microbiology and Biotechnology</i> , 2015 , 99, 611-22	5.7	63
11	Rapid conversion of ferulic acid to 4-vinyl guaiacol and vanillin metabolites by Debaryomyces hansenii. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2007 , 44, 48-52		57
10	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	3.8	37
9	Mediator facilitated, laccase catalysed oxidation of granular potato starch and the physico-chemical characterisation of the oxidized products. <i>Bioresource Technology</i> , 2009 , 100, 3576-84	11	35
8	Antioxidant property and chemical profile of pyroligneous acid from pineapple plant waste biomass. <i>Process Biochemistry</i> , 2015 , 50, 1985-1992	4.8	33
7	Valorization of Brewers 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	3.7	33
6	Regioselective glycosylation of hydroquinone to Parbutin by cyclodextrin glucanotransferase from Thermoanaerobacter sp.. <i>Biochemical Engineering Journal</i> , 2013 , 79, 187-193	4.2	31
5	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	5.7	29
4	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	3.7	29
3	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	8.5	17

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| 2 | Enzymatic synthesis of piceid glycosides by cyclodextrin glucanotransferase. <i>Process Biochemistry</i> , 2012 , 47, 528-532 | 4.8 | 15 |
| 1 | Cyclodextrin glucanotransferase (CGTase) catalyzed synthesis of dodecyl glucooligosides by transglycosylation using β -cyclodextrin or starch. <i>Carbohydrate Polymers</i> , 2012 , 87, 574-580 | 10.3 | 7 |