

Sindhu Mathew

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/3334146/sindhu-mathew-publications-by-year.pdf>

Version: 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	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
18	Valorization of Brewerfs 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
17	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
16	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
15	Antioxidant property and chemical profile of pyroligneous acid from pineapple plant waste biomass. <i>Process Biochemistry</i> , 2015 , 50, 1985-1992	4.8	33
14	Pyroligneous acid-the smoky acidic liquid from plant biomass. <i>Applied Microbiology and Biotechnology</i> , 2015 , 99, 611-22	5.7	63
13	Regioselective glycosylation of hydroquinone to β -arbutin by cyclodextrin glucanotransferase from <i>Thermoanaerobacter</i> sp.. <i>Biochemical Engineering Journal</i> , 2013 , 79, 187-193	4.2	31
12	Enzymatic synthesis of piceid glycosides by cyclodextrin glucanotransferase. <i>Process Biochemistry</i> , 2012 , 47, 528-532	4.8	15
11	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
10	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
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	Characterisation of ferulic acid incorporated starch-chitosan blend films. <i>Food Hydrocolloids</i> , 2008 , 22, 826-835	10.6	238
7	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		57
6	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
5	Bioconversions of ferulic acid, an hydroxycinnamic acid. <i>Critical Reviews in Microbiology</i> , 2006 , 32, 115-257.8		103
4	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	4.7	222
3	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	8.5	196

- | | | | |
|---|--|-----|-----|
| 2 | 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 |
| 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 | 9.4 | 316 |