

Anil K Mathew

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,463
citations

430754

18
h-index

752573

20
g-index

25
all docs

25
docs citations

25
times ranked

2174
citing authors

#	ARTICLE	IF	CITATIONS
1	Applications of Microbial Enzymes in Food Industry. Food Technology and Biotechnology, 2018, 56, 16-30.	0.9	430
2	Potential of rice straw for bio-refining: An overview. Bioresource Technology, 2016, 215, 29-36.	4.8	199
3	Harvesting of microalgal biomass: Efficient method for flocculation through pH modulation. Bioresource Technology, 2016, 213, 216-221.	4.8	131
4	An overview of physico-chemical mechanisms of biogas production by microbial communities: a step towards sustainable waste management. 3 Biotech, 2016, 6, 72.	1.1	92
5	An evaluation of dilute acid and ammonia fiber explosion pretreatment for cellulosic ethanol production. Bioresource Technology, 2016, 199, 13-20.	4.8	86
6	Molecular improvements in microbial α -amylases for enhanced stability and catalytic efficiency. Bioresource Technology, 2017, 245, 1740-1748.	4.8	84
7	Biogas production from locally available aquatic weeds of Santiniketan through anaerobic digestion. Clean Technologies and Environmental Policy, 2015, 17, 1681-1688.	2.1	70
8	Recent developments in L-glutaminase production and applications – An overview. Bioresource Technology, 2017, 245, 1766-1774.	4.8	46
9	Development of a novel ultrasound-assisted alkali pretreatment strategy for the production of bioethanol and xylanases from chili post harvest residue. Bioresource Technology, 2017, 242, 146-151.	4.8	45
10	Alkaline pre-treatment of oilseed rape straw for bioethanol production: Evaluation of glucose yield and pre-treatment energy consumption. Bioresource Technology, 2011, 102, 6547-6553.	4.8	40
11	Influence of volatile fatty acids in different inoculum to substrate ratio and enhancement of biogas production using water hyacinth and salvinia. Bioresource Technology, 2018, 270, 409-415.	4.8	37
12	A biorefinery-based approach for the production of ethanol from enzymatically hydrolysed cotton stalks. Bioresource Technology, 2017, 242, 178-183.	4.8	30
13	Production of Pectinase from Bacillus sonorensis MPTD1. Food Technology and Biotechnology, 2018, 56, 110-116.	0.9	30
14	Detoxification of acidic biorefinery waste liquor for production of high value amino acid. Bioresource Technology, 2016, 213, 270-275.	4.8	25
15	Dilute acid pre-treatment of oilseed rape straw for bioethanol production. Renewable Energy, 2011, 36, 2424-2432.	4.3	24
16	Comparison of entrapment and biofilm mode of immobilisation for bioethanol production from oilseed rape straw using Saccharomyces cerevisiae cells. Biomass and Bioenergy, 2013, 52, 1-7.	2.9	24
17	Mitochondrial dysfunction in H9c2 cells during ischemia and amelioration with Tribulus terrestris L.. Life Sciences, 2016, 152, 220-230.	2.0	23
18	Continuous bioethanol production from oilseed rape straw hydrosylate using immobilised Saccharomyces cerevisiae cells. Bioresource Technology, 2014, 154, 248-253.	4.8	20

#	ARTICLE	IF	CITATIONS
19	An effective surfactant-assisted hydrothermal pretreatment strategy for bioethanol production from chili post-harvest residue by separate hydrolysis and fermentation. <i>Bioprocess and Biosystems Engineering</i> , 2018, 41, 565-571.	1.7	12
20	Evaluation of a wet processing strategy for mixed phumdi biomass conversion to bioethanol. <i>Bioresource Technology</i> , 2019, 289, 121633.	4.8	9
21	First- and Second-Generation Ethanol in India: A Comprehensive Overview on Feedstock Availability, Composition, and Potential Conversion Yields. , 2017, , 223-246.		5
22	Enzymes for Bioenergy. , 2017, , 3-43.		1
23	Bioethanol Production From Canola Straw Using a Continuous Flow Immobilized Cell System. , 2012, , .		0
24	Status and Perspective of Concentrating Photovoltaic Systems: the Results of the BioCPV Project and Opportunities for a Sustainable Energy Supply to Rural Areas. , 2016, , .		0