

Brahmaiah Pendyala

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

745
citations

567144

15
h-index

580701

25
g-index

36
all docs

36
docs citations

36
times ranked

888
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of Ultraviolet-Light (UV-A) Emitting Diodes Technology on the Reduction of Spiked Aflatoxin B1 and Aflatoxin M1 in Whole Milk. <i>Food and Bioprocess Technology</i> , 2022, 15, 165.	2.6	7
2	Design and efficiency evaluation of a mid-size serpentine Dean flow UV-C system for the processing of whole milk using computational fluid dynamics and biosimetry. <i>Journal of Food Engineering</i> , 2022, 335, 111168.	2.7	8
3	Inactivation of <i>B. cereus</i> spores in whole milk and almond milk by serpentine path coiled tube UV-C system: Numerical simulation of flow field, lipid peroxidation and volatiles analysis. <i>Food Research International</i> , 2022, 160, 111652.	2.9	7
4	Ultraviolet Treatment of Opaque Liquid Foods: From Theory to Practice. , 2021, , 182-209.		9
5	UV-C inactivation of microorganisms in a highly opaque model fluid using a pilot scale ultra-thin film annular reactor: Validation of delivered dose. <i>Journal of Food Engineering</i> , 2021, 294, 110403.	2.7	21
6	Phycobilins as Potent Food Bioactive Broad-Spectrum Inhibitors Against Proteases of SARS-CoV-2 and Other Coronaviruses: A Preliminary Study. <i>Frontiers in Microbiology</i> , 2021, 12, 645713.	1.5	23
7	Modeling and validation of delivered fluence of a continuous Dean flow pilot scale UV system: monitoring fluence by biosimetry approach. <i>Food Research International</i> , 2021, 148, 110625.	2.9	10
8	Production of Organic Acids via Autofermentation of Microalgae: A Promising Approach for Sustainable Algal Biorefineries. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 1772-1780.	1.8	9
9	Evaluation of UV-C Irradiation Treatments on Microbial Safety, Ascorbic Acid, and Volatile Aromatics Content of Watermelon Beverage. <i>Food and Bioprocess Technology</i> , 2020, 13, 101-111.	2.6	21
10	Performance of a UV-A LED system for degradation of aflatoxins B1 and M1 in pure water: kinetics and cytotoxicity study. <i>Scientific Reports</i> , 2020, 10, 13473.	1.6	21
11	Genomic Modeling as an Approach to Identify Surrogates for Use in Experimental Validation of SARS-CoV-2 and HuNoV Inactivation by UV-C Treatment. <i>Frontiers in Microbiology</i> , 2020, 11, 572331.	1.5	30
12	Effect of UV-C irradiation on the inactivation kinetics of oxidative enzymes, essential amino acids and sensory properties of coconut water. <i>Journal of Food Science and Technology</i> , 2020, 57, 3564-3572.	1.4	10
13	Inactivation of <i>Bacillus</i> and <i>Clostridium</i> Spores in Coconut Water by Ultraviolet Light. <i>Foodborne Pathogens and Disease</i> , 2019, 16, 704-711.	0.8	29
14	High Productivity Cultivation of Microalgae without Concentrated CO ₂ Input. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 1933-1943.	3.2	38
15	UV-C irradiation as an alternative treatment technique: Study of its effect on microbial inactivation, cytotoxicity, and sensory properties in cranberry-flavored water. <i>Innovative Food Science and Emerging Technologies</i> , 2019, 52, 66-74.	2.7	23
16	Cultivation of Microalgae at Extreme Alkaline pH Conditions: A Novel Approach for Biofuel Production. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 7284-7294.	3.2	95
17	Optimizing the performance of microbial fuel cells fed a combination of different synthetic organic fractions in municipal solid waste. <i>Waste Management</i> , 2016, 49, 73-82.	3.7	18
18	Using a food and paper-cardboard waste blend as a novel feedstock for hydrogen production: Influence of key process parameters on microbial diversity. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 6357-6367.	3.8	21

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19	Heterologous expression of CYP102A5 variant from <i>Bacillus cereus</i> CYPPB-1: Validation of model for predicting drug metabolism of human P450 probe substrates. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 8107-8119.	1.7	4
20	Influence of linoleic acid, pH and HRT on anaerobic microbial populations and metabolic shifts in ASBRs during dark hydrogen fermentation of lignocellulosic sugars. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 2212-2220.	3.8	32
21	Pretreating mixed anaerobic communities from different sources: Correlating the hydrogen yield with hydrogenase activity and microbial diversity. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 12175-12186.	3.8	47
22	Impact of low lignin containing brown midrib sorghum mutants to harness biohydrogen production using mixed anaerobic consortia. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 3186-3190.	3.8	12
23	Imperative role of neural networks coupled genetic algorithm on optimization of biohydrogen yield. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 4332-4339.	3.8	58
24	Biohydrogen production from renewable agri-waste blend: Optimization using mixer design. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 6143-6148.	3.8	52
25	Fermentative biohydrogen production by mixed anaerobic consortia: Impact of glucose to xylose ratio. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 9354-9361.	3.8	62
26	Mixture design as first step for improved glutaminase production in solid-state fermentation by isolated <i>Bacillus</i> sp. RSP-GLU. <i>Letters in Applied Microbiology</i> , 2008, 47, 256-262.	1.0	35