

Vinayak S Ghate

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

814
citations

759233

12
h-index

888059

17
g-index

18
all docs

18
docs citations

18
times ranked

517
citing authors

#	ARTICLE	IF	CITATIONS
1	Antibacterial effect of light emitting diodes of visible wavelengths on selected foodborne pathogens at different illumination temperatures. <i>International Journal of Food Microbiology</i> , 2013, 166, 399-406.	4.7	135
2	Perspectives and Trends in the Application of Photodynamic Inactivation for Microbiological Food Safety. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2019, 18, 402-424.	11.7	102
3	Kinetics of bacterial inactivation by 405nm and 520nm light emitting diodes and the role of endogenous coproporphyrin on bacterial susceptibility. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015, 149, 37-44.	3.8	87
4	Effect of 460Ånm light emitting diode illumination on survival of <i>Salmonella</i> spp. on fresh-cut pineapples at different irradiances and temperatures. <i>Journal of Food Engineering</i> , 2017, 196, 130-138.	5.2	63
5	Antibacterial effect of 460Ånm light-emitting diode in combination with riboflavin against <i>Listeria monocytogenes</i> on smoked salmon. <i>Food Control</i> , 2018, 84, 354-361.	5.5	63
6	Antibacterial efficacy of 405, 460 and 520Ånm light emitting diodes on <i>Lactobacillus plantarum</i> , <i>Staphylococcus aureus</i> and <i>Vibrio parahaemolyticus</i> . <i>Journal of Applied Microbiology</i> , 2016, 120, 49-56.	3.1	60
7	Antibacterial effect and mechanism of high-intensity 405Å±5nm light emitting diode on <i>Bacillus cereus</i> , <i>Listeria monocytogenes</i> , and <i>Staphylococcus aureus</i> under refrigerated condition. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015, 153, 33-39.	3.8	59
8	Enhancing the antibacterial effect of 461 and 521Ånm light emitting diodes on selected foodborne pathogens in trypticase soy broth by acidic and alkaline pH conditions. <i>Food Microbiology</i> , 2015, 48, 49-57.	4.2	58
9	Irradiance and Temperature Influence the Bactericidal Effect of 460-Nanometer Light-Emitting Diodes on <i>Salmonella</i> in Orange Juice. <i>Journal of Food Protection</i> , 2016, 79, 553-560.	1.7	49
10	Inactivation and changes in metabolic profile of selected foodborne bacteria by 460Ånm LED illumination. <i>Food Microbiology</i> , 2017, 63, 12-21.	4.2	39
11	Effect of organic acids on the photodynamic inactivation of selected foodborne pathogens using 461Ånm LEDs. <i>Food Control</i> , 2015, 57, 333-340.	5.5	35
12	Prevalence of <i>Salmonella</i> and <i>Vibrio</i> spp. in Seafood Products Sold in Singapore. <i>Journal of Food Protection</i> , 2012, 75, 1320-1323.	1.7	14
13	Inactivation of <i>Listeria monocytogenes</i> on paperboard, a food packaging material, using 410Ånm light emitting diodes. <i>Food Control</i> , 2019, 96, 281-290.	5.5	12
14	Developing an LED preservation technology to minimize strawberry quality deterioration during distribution. <i>Food Chemistry</i> , 2022, 366, 130566.	8.2	12
15	Antifungal action of 405 nm light emitting diodes on tomatoes in a meso-scale system and their effect on the physicochemical properties. <i>Postharvest Biology and Technology</i> , 2021, 172, 111366.	6.0	11
16	Influence of temperature and relative humidity on the antifungal effect of 405Ånm LEDs against <i>Botrytis cinerea</i> and <i>Rhizopus stolonifer</i> and their inactivation on strawberries and tomatoes. <i>International Journal of Food Microbiology</i> , 2021, 359, 109427.	4.7	9
17	ENSURING FOOD SECURITY THROUGH ENHANCING MICROBIOLOGICAL FOOD SAFETY. <i>Cosmos</i> , 2015, 11, 69-97.	0.4	6