Michelle MacLean

List of Publications by Year
in descending order

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27	1,276	471509 17	580821 25
papers	citations	h-index	g-index

27	27	27	1013
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Violetâ€blue 405â€nm Lightâ€based Photoinactivation for Pathogen Reduction of Human Plasma Provides Broad Antibacterial Efficacy Without Visible Degradation of Plasma Proteins. Photochemistry and Photobiology, 2022, 98, 504-512.	2.5	12
2	Antibacterial Action of Visible 405-nm light for Bacterial Reduction in Blood Plasma. Access Microbiology, 2022, 4, .	0.5	0
3	Visible 405 nm Violet-Blue Light Successfully Inactivates HIV-1 in Human Plasma. Pathogens, 2022, 11, 778.	2.8	4
4	Complete Inactivation of Blood Borne Pathogen Trypanosoma cruzi in Stored Human Platelet Concentrates and Plasma Treated With 405 nm Violet-Blue Light. Frontiers in Medicine, 2020, 7, 617373.	2.6	12
5	Surface Design for Immobilization of an Antimicrobial Peptide Mimic for Efficient Antiâ€Biofouling. Chemistry - A European Journal, 2020, 26, 5789-5793.	3.3	25
6	Airborne Decontamination of an Intensive Care Isolation Room using 405 nm Antimicrobial Light Technology. Access Microbiology, 2020, 2, .	0.5	0
7	Non-ionizing 405 nm Light as a Potential Bactericidal Technology for Platelet Safety: Evaluation of in vitro Bacterial Inactivation and in vivo Platelet Recovery in Severe Combined Immunodeficient Mice. Frontiers in Medicine, 2019, 6, 331.	2.6	10
8	Review of the Comparative Susceptibility of Microbial Species to Photoinactivation Using 380â€“480 nm Violetâ€Blue Light. Photochemistry and Photobiology, 2018, 94, 445-458.	2.5	67
9	New Proof-of-Concept in Viral Inactivation: Virucidal Efficacy of 405Ânm Light Against Feline Calicivirus as a Model for Norovirus Decontamination. Food and Environmental Virology, 2017, 9, 159-167.	3.4	48
10	Efficacy of Pulsed 405-nm Light-Emitting Diodes for Antimicrobial Photodynamic Inactivation: Effects of Intensity, Frequency, and Duty Cycle. Photomedicine and Laser Surgery, 2017, 35, 150-156.	2.0	42
11	Assessment of the potential for resistance to antimicrobial violet-blue light in Staphylococcus aureus. Antimicrobial Resistance and Infection Control, 2017, 6, 100.	4.1	49
12	The effects of 405 nm light on bacterial membrane integrity determined by salt and bile tolerance assays, leakage of UV-absorbing material and SYTOX green labelling. Microbiology (United Kingdom), 2016, 162, 1680-1688.	1.8	53
13	A New Proof of Concept in Bacterial Reduction: Antimicrobial Action of Violet-Blue Light (405â€‰nm) in Ex Vivo Stored Plasma. Journal of Blood Transfusion, 2016, 2016, 1-11.	3.3	23
14	Oxidation and Biodecontamination Effects of Impulsive Discharges in Atmospheric Air. IEEE Transactions on Plasma Science, 2016, 44, 2145-2155.	1.3	1
15	TiO₂-Coated Electrodes for Pulsed Electric Field Treatment of Microorganisms. IEEE Transactions on Plasma Science, 2016, 44, 2121-2128.	1.3	11
16	Synergistic efficacy of 405Ânm light and chlorinated disinfectants for the enhanced decontamination of Clostridium difficile spores. Anaerobe, 2016, 37, 72-77.	2.1	21
17	Cytotoxic responses to 405nm light exposure in mammalian and bacterial cells: Involvement of reactive oxygen species. Toxicology in Vitro, 2016, 33, 54-62.	2.4	97
18	Airborne bacterial dispersal during and after dressing and bed changes on burns patients. Burns, 2015, 41, 39-48.	1.9	15

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19	Inactivation ofStreptomycesphage É¸C31 by 405 nm light. Bacteriophage, 2014, 4, e32129.	1.9	30
20	Enhanced inactivation of Escherichia coli and Listeria monocytogenes by exposure to 405nm light under sub-lethal temperature, salt and acid stress conditions. International Journal of Food Microbiology, 2014, 170, 91-98.	4.7	48
21	Pulsed Electric Field Treatment of Microalgae: Inactivation Tendencies and Energy Consumption. IEEE Transactions on Plasma Science, 2014, 42, 3191-3196.	1.3	22
22	Steady-State Corona Discharges in Atmospheric Air for Cleaning and Decontamination. IEEE Transactions on Plasma Science, 2013, 41, 2871-2878.	1.3	7
23	Sporicidal Effects of Highâ€Intensity 405â€ƒnm Visible Light on Endosporeâ€Forming Bacteria. Photochemistry and Photobiology, 2013, 89, 120-126.	2.5	77
24	Bactericidal Effect of Corona Discharges in Atmospheric Air. IEEE Transactions on Plasma Science, 2012, 40, 2322-2333.	1.3	44
25	Bactericidal Effects of 405â€‰nm Light Exposure Demonstrated by Inactivation ofEscherichia, Salmonella, Shigella, Listeria, and MycobacteriumSpecies in Liquid Suspensions and on Exposed Surfaces. Scientific World Journal, The, 2012, 2012, 1-8.	2.1	116
26	Inactivation of Bacterial Pathogens following Exposure to Light from a 405-Nanometer Light-Emitting Diode Array. Applied and Environmental Microbiology, 2009, 75, 1932-1937.	3.1	324
27	High-intensity narrow-spectrum light inactivation and wavelength sensitivity ofStaphylococcus aureus. FEMS Microbiology Letters, 2008, 285, 227-232.	1.8	118