

Matthew B Eady

List of Publications by Year in descending order

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16
papers

202
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1307366

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1125617

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docs citations

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153
citing authors

#	ARTICLE	IF	CITATIONS
1	Establishment of instrument operation qualification and routine performance qualification procedures for handheld near-infrared spectrometers used at different locations within a laboratory network. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 267, 120512.	2.0	5
2	An Unsupervised Prediction Model for Salmonella Detection with Hyperspectral Microscopy: A Multi-Year Validation. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 895.	1.3	3
3	A low-cost and portable near-infrared spectrometer using open-source multivariate data analysis software for rapid discriminatory quality assessment of medroxyprogesterone acetate injectables. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 259, 119917.	2.0	8
4	Single-cell classification of foodborne pathogens using hyperspectral microscope imaging coupled with deep learning frameworks. <i>Sensors and Actuators B: Chemical</i> , 2020, 309, 127789.	4.0	40
5	Classification of foodborne bacteria using hyperspectral microscope imaging technology coupled with convolutional neural networks. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 3157-3166.	1.7	29
6	Rapid Identification of Campylobacter Strains Cultured Under Aerobic Incubation Using Hyperspectral Microscope Imaging. <i>Journal of Food Protection</i> , 2020, 83, 405-411.	0.8	2
7	The Influence of Environmental Growth Conditions on Salmonella Spectra Obtained from Hyperspectral Microscope Images. <i>Food Analytical Methods</i> , 2019, 12, 2638-2646.	1.3	6
8	Detection of Salmonella from chicken rinsate with visible/near-infrared hyperspectral microscope imaging compared against RT-PCR. <i>Talanta</i> , 2019, 195, 313-319.	2.9	33
9	Methods for Hyperspectral Microscope Calibration and Spectra Normalization from Images of Bacteria Cells. <i>Transactions of the ASABE</i> , 2018, 61, 438-448.	1.1	12
10	Simultaneous Detection and Serotyping of Salmonellae by Immunomagnetic Separation and Label-Free Surface-Enhanced Raman Spectroscopy. <i>Food Analytical Methods</i> , 2017, 10, 3181-3193.	1.3	10
11	New Application of Hyperspectral Imaging for Bacterial Cell Classification. <i>NIR News</i> , 2016, 27, 4-6.	1.6	2
12	Classification of <i>Salmonella enterica</i> serotypes with selective bands using visible/NIR hyperspectral microscope images. <i>Journal of Microscopy</i> , 2016, 263, 10-19.	0.8	15
13	Rapid and Early Detection of Salmonella Serotypes with Hyperspectral Microscopy and Multivariate Data Analysis. <i>Journal of Food Protection</i> , 2015, 78, 668-674.	0.8	24
14	Rapid identification of Salmonella serotypes through hyperspectral microscopy with different lighting sources. <i>Journal of Spectral Imaging</i> , 0, , .	0.0	4
15	Unsupervised classification of individual foodborne bacteria from a mixture of bacteria cultures within a hyperspectral microscope image. <i>Journal of Spectral Imaging</i> , 0, , .	0.0	5
16	Hyperspectral microscope imaging methods for multiplex detection of Campylobacter. <i>Journal of Spectral Imaging</i> , 0, , .	0.0	4