Matthew B Eady

List of Publications by Year
in descending order

16	202	1307366 7	1125617 13
papers	citations	h-index	g-index

16	16	16	153
all docs	docs citations	times ranked	citing authors

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