Matthew B Eady

List of Publications by Year
in descending order

16	202	1307594 7	1125743 13
papers	citations	h-index	g-index

16	16	16	153
all docs	docs citations	times ranked	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. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 267, 120512.	3.9	5
2	An Unsupervised Prediction Model for Salmonella Detection with Hyperspectral Microscopy: A Multi-Year Validation. Applied Sciences (Switzerland), 2021, 11, 895.	2.5	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. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 259, 119917.	3.9	8
4	Single-cell classification of foodborne pathogens using hyperspectral microscope imaging coupled with deep learning frameworks. Sensors and Actuators B: Chemical, 2020, 309, 127789.	7.8	40
5	Classification of foodborne bacteria using hyperspectral microscope imaging technology coupled with convolutional neural networksâ€¡. Applied Microbiology and Biotechnology, 2020, 104, 3157-3166.	3.6	29
6	Rapid Identification of Campylobacter Strains Cultured Under Aerobic Incubation Using Hyperspectral Microscope Imaging. Journal of Food Protection, 2020, 83, 405-411.	1.7	2
7	The Influence of Environmental Growth Conditions on Salmonella Spectra Obtained from Hyperspectral Microscope Images. Food Analytical Methods, 2019, 12, 2638-2646.	2.6	6
8	Detection of Salmonella from chicken rinsate with visible/near-infrared hyperspectral microscope imaging compared against RT-PCR. Talanta, 2019, 195, 313-319.	5.5	33
9	Methods for Hyperspectral Microscope Calibration and Spectra Normalization from Images of Bacteria Cells. Transactions of the ASABE, 2018, 61, 438-448.	1.1	12
10	Simultaneous Detection and Serotyping of Salmonellae by Immunomagnetic Separation and Label-Free Surface-Enhanced Raman Spectroscopy. Food Analytical Methods, 2017, 10, 3181-3193.	2.6	10
11	New Application of Hyperspectral Imaging for Bacterial Cell Classification. NIR News, 2016, 27, 4-6.	0.3	2
12	Classification of Salmonella enterica serotypes with selective bands using visible/NIR hyperspectral microscope images. Journal of Microscopy, 2016, 263, 10-19.	1.8	15
13	Rapid and Early Detection of Salmonella Serotypes with Hyperspectral Microscopy and Multivariate Data Analysis. Journal of Food Protection, 2015, 78, 668-674.	1.7	24
14	Rapid identification of Salmonella serotypes through hyperspectral microscopy with different lighting sources. Journal of Spectral Imaging, 0, , .	0.0	4
15	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
16	Hyperspectral microscope imaging methods for multiplex detection of Campylobacter. Journal of Spectral Imaging, 0, , .	0.0	4