

Aidan D Meade

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

1,775
citations

257450

24
h-index

265206

42
g-index

51
all docs

51
docs citations

51
times ranked

2243
citing authors

#	ARTICLE	IF	CITATIONS
1	MiRNA-Mediated Fibrosis in the Out-of-Target Heart following Partial-Body Irradiation. <i>Cancers</i> , 2022, 14, 3463.	3.7	4
2	Discrimination of immune cell activation using Raman micro-spectroscopy in an in-vitro & ex-vivo model. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 248, 119118.	3.9	20
3	Prediction of pathological response to neo-adjvant chemoradiotherapy for oesophageal cancer using vibrational spectroscopy. <i>Translational Biophotonics</i> , 2021, 3, e202000014.	2.7	3
4	Comparison of sample preparation methodologies towards optimisation of Raman spectroscopy for peripheral blood mononuclear cells. <i>Analytical Methods</i> , 2021, 13, 1019-1032.	2.7	8
5	Out-of-Field Hippocampus from Partial-Body Irradiated Mice Displays Changes in Multi-Omics Profile and Defects in Neurogenesis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4290.	4.1	5
6	A 4-Gene Signature of CDKN1, FDXR, SESN1 and PCNA Radiation Biomarkers for Prediction of Patient Radiosensitivity. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10607.	4.1	4
7	Chemical imaging and machine learning for sub-classification of oesophageal tissue histology. <i>Translational Biophotonics</i> , 2021, 3, e202100004.	2.7	1
8	A spectroscopic diagnostic for rheumatoid arthritis using liquid biopsies. <i>Clinical Spectroscopy</i> , 2021, 3, 100009.	1.3	2
9	Raman spectroscopy of lymphocytes for the identification of prostate cancer patients with late radiation toxicity following radiotherapy. <i>Translational Biophotonics</i> , 2020, 2, e201900035.	2.7	9
10	Phenotypic and Functional Characteristics of Exosomes Derived from Irradiated Mouse Organs and Their Role in the Mechanisms Driving Non-Targeted Effects. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8389.	4.1	28
11	Vibrational spectroscopy of liquid biopsies for prostate cancer diagnosis. <i>Therapeutic Advances in Medical Oncology</i> , 2020, 12, 175883592091849.	3.2	31
12	A review of applications of Raman spectroscopy in immunology. <i>Biomedical Spectroscopy and Imaging</i> , 2020, 9, 23-31.	1.2	7
13	Effect of hemolysis on Fourier transform infrared and Raman spectra of blood plasma. <i>Journal of Biophotonics</i> , 2020, 13, e201960173.	2.3	5
14	MicroRNA Analysis of ATM-Deficient Cells Indicate PTEN and CCDN1 as Potential Biomarkers of Radiation Response. <i>Radiation Research</i> , 2020, 193, 520.	1.5	5
15	Monitoring Radiotherapeutic Response in Prostate Cancer Patients Using High Throughput FTIR Spectroscopy of Liquid Biopsies. <i>Cancers</i> , 2019, 11, 925.	3.7	22
16	Discrimination of breast cancer from benign tumours using Raman spectroscopy. <i>PLoS ONE</i> , 2019, 14, e0212376.	2.5	34
17	Raman spectroscopy for the preoperative diagnosis of thyroid cancer and its subtypes: An in-vitro proof-of-concept study. <i>Cytopathology</i> , 2019, 30, 51-60.	0.7	21
18	Prediction of DNA damage and G2 chromosomal radio-sensitivity ex vivo in peripheral blood mononuclear cells with label-free Raman micro-spectroscopy. <i>International Journal of Radiation Biology</i> , 2019, 95, 44-53.	1.8	14

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19	Development of a high throughput (HT) Raman spectroscopy method for rapid screening of liquid blood plasma from prostate cancer patients. <i>Analyst, The</i> , 2017, 142, 1216-1226.	3.5	52
20	Integration of new biological and physical retrospective dosimetry methods into EU emergency response plans – joint RENEb and EURADOS inter-laboratory comparisons. <i>International Journal of Radiation Biology</i> , 2017, 93, 99-109.	1.8	48
21	Improved protocols for pre-processing Raman spectra of formalin fixed paraffin preserved tissue sections. <i>Analytical Methods</i> , 2017, 9, 4709-4717.	2.7	25
22	Vibrational spectroscopy in sensing radiobiological effects: analyses of targeted and non-targeted effects in human keratinocytes. <i>Faraday Discussions</i> , 2016, 187, 213-234.	3.2	40
23	Single cell analysis/data handling: general discussion. <i>Faraday Discussions</i> , 2016, 187, 299-327.	3.2	4
24	Raman spectroscopy for cytopathology of exfoliated cervical cells. <i>Faraday Discussions</i> , 2016, 187, 187-198.	3.2	35
25	Competitive evaluation of data mining algorithms for use in classification of leukocyte subtypes with Raman microspectroscopy. <i>Analyst, The</i> , 2015, 140, 2473-2481.	3.5	40
26	Analyses of Ionizing Radiation Effects In Vitro in Peripheral Blood Lymphocytes with Raman Spectroscopy. <i>Radiation Research</i> , 2015, 183, 407-416.	1.5	31
27	Vibrational Spectroscopy: Disease Diagnostics and Beyond. <i>Challenges and Advances in Computational Chemistry and Physics</i> , 2014, , 355-399.	0.6	10
28	Selection of preprocessing methodology for multivariate regression of cellular FTIR and Raman spectra in radiobiological analyses. , 2014, , .		1
29	Raman micro spectroscopy study of the interaction of vincristine with A549 cells supported by expression analysis of bcl-2 protein. <i>Analyst, The</i> , 2013, 138, 6177.	3.5	41
30	Impaired Clearance and Enhanced Pulmonary Inflammatory/Fibrotic Response to Carbon Nanotubes in Myeloperoxidase-Deficient Mice. <i>PLoS ONE</i> , 2012, 7, e30923.	2.5	156
31	Quantitative reagent-free detection of fibrinogen levels in human blood plasma using Raman spectroscopy. <i>Analyst, The</i> , 2012, 137, 1807.	3.5	53
32	Comparison of subcellular responses for the evaluation and prediction of the chemotherapeutic response to cisplatin in lung adenocarcinoma using Raman spectroscopy. <i>Analyst, The</i> , 2011, 136, 2450.	3.5	77
33	Correlation of p16INK4A expression and HPV copy number with cellular FTIR spectroscopic signatures of cervical cancer cells. <i>Analyst, The</i> , 2011, 136, 1365.	3.5	46
34	Collagen matrices as an improved model for in vitro study of live cells using Raman microspectroscopy. <i>Proceedings of SPIE</i> , 2011, , .	0.8	2
35	<i>In vitro</i> analysis of immersed human tissues by Raman microspectroscopy. <i>Journal of Raman Spectroscopy</i> , 2011, 42, 888-896.	2.5	59
36	Investigation of the influence of high-risk human papillomavirus on the biochemical composition of cervical cancer cells using vibrational spectroscopy. <i>Analyst, The</i> , 2010, 135, 3087.	3.5	54

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37	Studies of chemical fixation effects in human cell lines using Raman microspectroscopy. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 396, 1781-1791.	3.7	122
38	Fourier Transform Infrared Microspectroscopy and Multivariate Methods for Radiobiological Dosimetry. <i>Radiation Research</i> , 2010, 173, 225-237.	1.5	53
39	Study of Live Cells Grown on Three Dimensional Collagen Gels Using Raman Microspectroscopy. , 2010, , .		0
40	Evaluation of the potential of Raman microspectroscopy for prediction of chemotherapeutic response to cisplatin in lung adenocarcinoma. <i>Analyst, The</i> , 2010, 135, 3070.	3.5	117
41	Spectroscopic and chemometric approaches to radiobiological analyses. <i>Mutation Research - Reviews in Mutation Research</i> , 2010, 704, 108-114.	5.5	23
42	Imaging live cells grown on a three dimensional collagen matrix using Raman microspectroscopy. <i>Analyst, The</i> , 2010, 135, 3169.	3.5	58
43	Three dimensional collagen gels as a cell culture matrix for the study of live cells by Raman spectroscopy. <i>Analyst, The</i> , 2010, 135, 1697.	3.5	26
44	Functional and pathological analysis of biological systems using vibrational spectroscopy with chemometric and heuristic approaches. , 2009, , .		1
45	Raman spectroscopy â€” a potential platform for the rapid measurement of carbon nanotube-induced cytotoxicity. <i>Analyst, The</i> , 2009, 134, 1182.	3.5	50
46	Vibrational spectroscopy for cervical cancer pathology, from biochemical analysis to diagnostic tool. <i>Experimental and Molecular Pathology</i> , 2007, 82, 121-129.	2.1	214
47	Growth substrate induced functional changes elucidated by FTIR and Raman spectroscopy in inâ€”vitro cultured human keratinocytes. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 387, 1717-1728.	3.7	100
48	Correlation of spectroscopic and biochemical assays post-ionising radiation exposure in human skin cell analogues. , 2005, , .		0
49	Subjective and objective measures of image quality in digital fluoroscopy. <i>Radiation Protection Dosimetry</i> , 2005, 117, 34-37.	0.8	9