

Fiona M Lyng

List of Publications by Year in descending order

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161
papers

7,266
citations

47006

47
h-index

62596

80
g-index

165
all docs

165
docs citations

165
times ranked

7574
citing authors

#	ARTICLE	IF	CITATIONS
1	In vitro toxicity evaluation of single walled carbon nanotubes on human A549 lung cells. <i>Toxicology in Vitro</i> , 2007, 21, 438-448.	2.4	399
2	Spectroscopic analysis confirms the interactions between single walled carbon nanotubes and various dyes commonly used to assess cytotoxicity. <i>Carbon</i> , 2007, 45, 1425-1432.	10.3	274
3	Production of a signal by irradiated cells which leads to a response in unirradiated cells characteristic of initiation of apoptosis. <i>British Journal of Cancer</i> , 2000, 83, 1223-1230.	6.4	238
4	A new approach to the toxicity testing of carbon-based nanomaterialsâ€”The clonogenic assay. <i>Toxicology Letters</i> , 2007, 174, 49-60.	0.8	233
5	Initiation of Apoptosis in Cells Exposed to Medium from the Progeny of Irradiated Cells: A Possible Mechanism for Bystander-Induced Genomic Instability?. <i>Radiation Research</i> , 2002, 157, 365-370.	1.5	215
6	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
7	The Involvement of Calcium and MAP Kinase Signaling Pathways in the Production of Radiation-Induced Bystander Effects. <i>Radiation Research</i> , 2006, 165, 400-409.	1.5	193
8	Reactive oxygen species (ROS) induced cytokine production and cytotoxicity of PAMAM dendrimers in J774A.1 cells. <i>Toxicology and Applied Pharmacology</i> , 2010, 246, 91-99.	2.8	186
9	A study examining the effects of tissue processing on human tissue sections using vibrational spectroscopy. <i>Vibrational Spectroscopy</i> , 2005, 38, 121-127.	2.2	182
10	Single walled carbon nanotubes induce indirect cytotoxicity by medium depletion in A549 lung cells. <i>Toxicology Letters</i> , 2008, 179, 78-84.	0.8	160
11	Mechanistic studies of in vitro cytotoxicity of poly(amidoamine) dendrimers in mammalian cells. <i>Toxicology and Applied Pharmacology</i> , 2010, 248, 259-268.	2.8	146
12	Exosomes Are Involved in Mediating Radiation Induced Bystander Signaling in Human Keratinocyte Cells. <i>Radiation Research</i> , 2014, 181, 138-145.	1.5	141
13	Synthesis, catalase, superoxide dismutase and antitumour activities of copper(II) carboxylate complexes incorporating benzimidazole, 1,10-phenanthroline and bipyridine ligands: X-ray crystal structures of [Cu(BZA)2(bipy)(H2O)], [Cu(SalH)2(BZDH)2] and [Cu(CH3COO)2(5,6-DMBZDH)2] (SalH2=salicylic acid; BZA=benzoic acid; BZDH=benzimidazole and) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 247 Td (5,6-DMBZDH)2] <i>Journal of Inorganic Biochemistry</i> , 2010, 104, 102-110.	2.2	129
14	Raman Spectroscopic Evaluation of Efficacy of Current Paraffin Wax Section Dewaxing Agents. <i>Journal of Histochemistry and Cytochemistry</i> , 2005, 53, 121-129.	2.5	128
15	A Dose Threshold for a Medium Transfer Bystander Effect for a Human Skin Cell Line. <i>Radiation Research</i> , 2006, 166, 19-23.	1.5	127
16	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
17	Evaluation of the potential of Raman microspectroscopy for prediction of chemotherapeutic response to cisplatin in lung adenocarcinoma. <i>Analyst</i> , 2010, 135, 3070.	3.5	117
18	Rapid Androgen Actions on Calcium Signaling in Rat Sertoli Cells and Two Human Prostatic Cell Lines: Similar Biphasic Responses Between 1 Picomolar and 100 Nanomolar Concentrations. <i>Biology of Reproduction</i> , 2000, 63, 736-747.	2.7	115

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19	Probing the interaction of single walled carbon nanotubes within cell culture medium as a precursor to toxicity testing. Carbon, 2007, 45, 34-40.	10.3	111
20	Calcium Fluxes Modulate the Radiation-Induced Bystander Responses in Targeted Glioma and Fibroblast Cells. Radiation Research, 2006, 166, 479-487.	1.5	110
21	Growth substrate induced functional changes elucidated by FTIR and Raman spectroscopy in in vitro cultured human keratinocytes. Analytical and Bioanalytical Chemistry, 2007, 387, 1717-1728.	3.7	100
22	Early Events in the Apoptotic Cascade Initiated in Cells Treated with Medium from the Progeny of Irradiated Cells. Radiation Protection Dosimetry, 2002, 99, 169-172.	0.8	94
23	Increased Mitochondrial Mass in Cells with Functionally Compromised Mitochondria after Exposure to both Direct γ Radiation and Bystander Factors. Radiation Research, 2007, 168, 134-142.	1.5	89
24	Medium from Irradiated Cells Induces Dose-Dependent Mitochondrial Changes and BCL2 Responses in Unirradiated Human Keratinocytes. Radiation Research, 2005, 163, 384-390.	1.5	83
25	Intracellular localisation, geno- and cytotoxic response of polyN-isopropylacrylamide (PNIPAM) nanoparticles to human keratinocyte (HaCaT) and colon cells (SW 480). Toxicology Letters, 2010, 198, 134-143.	0.8	80
26	Comparison of subcellular responses for the evaluation and prediction of the chemotherapeutic response to cisplatin in lung adenocarcinoma using Raman spectroscopy. Analyst, The, 2011, 136, 2450.	3.5	77
27	Aquatic ecotoxicity of the selective serotonin reuptake inhibitor sertraline hydrochloride in a battery of freshwater test species. Ecotoxicology and Environmental Safety, 2009, 72, 434-440.	6.0	75
28	Raman spectroscopy for screening and diagnosis of cervical cancer. Analytical and Bioanalytical Chemistry, 2015, 407, 8279-8289.	3.7	73
29	Straightforward, One-Step Fabrication of Ultrathin Thermoresponsive Films from Commercially Available pNIPAm for Cell Culture and Recovery. ACS Applied Materials & Interfaces, 2011, 3, 1980-1990.	8.0	69
30	Genetic Factors Influencing Bystander Signaling in Murine Bladder Epithelium after Low-Dose Irradiation In Vivo. Radiation Research, 2005, 163, 391-399.	1.5	68
31	Apoptosis is initiated in human keratinocytes exposed to signalling factors from microbeam irradiated cells. International Journal of Radiation Biology, 2006, 82, 393-399.	1.8	68
32	Raman spectroscopic analysis of human skin tissue sections <i>ex-vivo</i> : evaluation of the effects of tissue processing and dewaxing. Journal of Biomedical Optics, 2012, 18, 061202.	2.6	66
33	Modulation of Radiation Responses by Pre-exposure to Irradiated Cell Conditioned Medium. Radiation Research, 2007, 167, 485-492.	1.5	62
34	A comparison of Raman, FTIR and ATR-FTIR micro spectroscopy for imaging human skin tissue sections. Analytical Methods, 2013, 5, 2281.	2.7	61
35	Reactive oxygen species-induced release of signalling factors in irradiated cells triggers membrane signalling and calcium influx in bystander cells. International Journal of Radiation Biology, 2011, 87, 683-695.	1.8	60
36	<i>In vitro</i> analysis of immersed human tissues by Raman microspectroscopy. Journal of Raman Spectroscopy, 2011, 42, 888-896.	2.5	59

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37	Imaging live cells grown on a three dimensional collagen matrix using Raman microspectroscopy. <i>Analyst, The</i> , 2010, 135, 3169.	3.5	58
38	Analysis of human skin tissue by Raman microspectroscopy: Dealing with the background. <i>Vibrational Spectroscopy</i> , 2012, 61, 124-132.	2.2	57
39	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
40	Fourier Transform Infrared Microspectroscopy and Multivariate Methods for Radiobiological Dosimetry. <i>Radiation Research</i> , 2010, 173, 225-237.	1.5	53
41	Quantitative reagent-free detection of fibrinogen levels in human blood plasma using Raman spectroscopy. <i>Analyst, The</i> , 2012, 137, 1807.	3.5	53
42	Apoptosis is signalled early by low doses of ionising radiation in a radiation-induced bystander effect. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2013, 741-742, 35-43.	1.0	52
43	Raman micro-spectroscopy for rapid screening of oral squamous cell carcinoma. <i>Experimental and Molecular Pathology</i> , 2015, 98, 502-509.	2.1	52
44	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
45	RENEB – Running the European Network of biological dosimetry and physical retrospective dosimetry. <i>International Journal of Radiation Biology</i> , 2017, 93, 2-14.	1.8	52
46	Raman spectroscopy – a potential platform for the rapid measurement of carbon nanotube-induced cytotoxicity. <i>Analyst, The</i> , 2009, 134, 1182.	3.5	50
47	Surface Enhanced Raman Spectroscopy for Quantitative Analysis: Results of a Large-Scale European Multi-Instrument Interlaboratory Study. <i>Analytical Chemistry</i> , 2020, 92, 4053-4064.	6.5	50
48	Current Advances in the Application of Raman Spectroscopy for Molecular Diagnosis of Cervical Cancer. <i>BioMed Research International</i> , 2015, 2015, 1-9.	1.9	49
49	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
50	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
51	Comparability of Raman Spectroscopic Configurations: A Large Scale Cross-Laboratory Study. <i>Analytical Chemistry</i> , 2020, 92, 15745-15756.	6.5	46
52	Growth and differentiation of epidermal cells from the rainbow trout established as explants and maintained in various media. <i>Journal of Fish Biology</i> , 1995, 46, 1011-1025.	1.6	44
53	The effects of cadmium exposure on the cytology and function of primary cultures from rainbow trout. , 1998, 16, 1-13.		44
54	Altered mitochondrial function and genome frequency post exposure to $\hat{1}^3$ -radiation and bystander factors. <i>International Journal of Radiation Biology</i> , 2010, 86, 829-841.	1.8	43

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55	Raman microspectroscopy for the early detection of pre-malignant changes in cervical tissue. <i>Experimental and Molecular Pathology</i> , 2014, 97, 554-564.	2.1	43
56	Persistent expression of morphological abnormalities in the distant progeny of irradiated cells. <i>Radiation and Environmental Biophysics</i> , 1996, 35, 273-283.	1.4	41
57	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
58	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
59	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
60	Raman Spectroscopic Evaluation of Efficacy of Current Paraffin Wax Section Dewaxing Agents. <i>Journal of Histochemistry and Cytochemistry</i> , 2005, 53, 121-129.	2.5	40
61	Radiation and chemotherapy bystander effects induce early genomic instability events: Telomere shortening and bridge formation coupled with mitochondrial dysfunction. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2009, 669, 131-138.	1.0	39
62	Processing ThinPrep cervical cytological samples for Raman spectroscopic analysis. <i>Analytical Methods</i> , 2014, 6, 7831-7841.	2.7	36
63	An investigation of the RWPE prostate derived family of cell lines using FTIR spectroscopy. <i>Analyst, The</i> , 2010, 135, 887.	3.5	35
64	Raman spectroscopic mapping for the analysis of solar radiation induced skin damage. <i>Analyst, The</i> , 2013, 138, 3946.	3.5	35
65	Raman spectroscopy for cytopathology of exfoliated cervical cells. <i>Faraday Discussions</i> , 2016, 187, 187-198.	3.2	35
66	Discrimination of breast cancer from benign tumours using Raman spectroscopy. <i>PLoS ONE</i> , 2019, 14, e0212376.	2.5	34
67	Recent advances in optical diagnosis of oral cancers: Review and future perspectives. <i>Head and Neck</i> , 2016, 38, E2403-11.	2.0	33
68	Effects of hTERT on metal ion-induced genomic instability. <i>Oncogene</i> , 2006, 25, 3424-3435.	5.9	32
69	Reactive oxygen species and nitric oxide signaling in bystander cells. <i>PLoS ONE</i> , 2018, 13, e0195371.	2.5	32
70	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
71	Vibrational spectroscopy of liquid biopsies for prostate cancer diagnosis. <i>Therapeutic Advances in Medical Oncology</i> , 2020, 12, 175883592091849.	3.2	31
72	Effect of Low Doses of Ionizing Radiation on Cells Cultured from the Hematopoietic Tissue of the Dublin Bay Prawn, <i>Nephrops norvegicus</i> . <i>Radiation Research</i> , 2001, 156, 241-250.	1.5	30

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73	The Release of Bystander Factor(s) from Tissue Explant Cultures of Rainbow Trout (<i>Onchorhynchus</i>) Tj ETQq1 1 0.784314 rgBT /Overl	1.5	29
74	Bystander signal production and response are independent processes which are cell line dependent. <i>International Journal of Radiation Biology</i> , 2008, 84, 83-90.	1.8	29
75	Raman spectroscopic detection of high-grade cervical cytology: Using morphologically normal appearing cells. <i>Scientific Reports</i> , 2018, 8, 15048.	3.3	29
76	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
77	Vibrational Microspectroscopy for Cancer Screening. <i>Applied Sciences (Switzerland)</i> , 2015, 5, 23-35.	2.5	27
78	DNA damaging bystander signalling from stem cells, cancer cells and fibroblasts after Cr(VI) exposure and its dependence on telomerase. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2010, 683, 1-8.	1.0	26
79	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
80	Biomedical applications of vibrational spectroscopy: Oral cancer diagnostics. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 252, 119470.	3.9	25
81	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
82	Bystander effect induced changes in apoptosis related proteins and terminal differentiation in <i>in vitro</i> murine bladder cultures. <i>International Journal of Radiation Biology</i> , 2009, 85, 48-56.	1.8	24
83	Spectroscopic and chemometric approaches to radiobiological analyses. <i>Mutation Research - Reviews in Mutation Research</i> , 2010, 704, 108-114.	5.5	23
84	Raman spectral cytopathology for cancer diagnostic applications. <i>Nature Protocols</i> , 2021, 16, 3716-3735.	12.0	23
85	Monitoring Radiotherapeutic Response in Prostate Cancer Patients Using High Throughput FTIR Spectroscopy of Liquid Biopsies. <i>Cancers</i> , 2019, 11, 925.	3.7	22
86	Further Investigation of the Response of Human Uroepithelium to Low Doses of Cobalt-60 Gamma Radiation. <i>Radiation Research</i> , 1997, 147, 156.	1.5	21
87	Cell death pathways in directly irradiated cells and cells exposed to medium from irradiated cells. <i>International Journal of Radiation Biology</i> , 2013, 89, 182-190.	1.8	21
88	Raman spectroscopy for the preoperative diagnosis of thyroid cancer and its subtypes: An <i>in vitro</i> proof of concept study. <i>Cytopathology</i> , 2019, 30, 51-60.	0.7	21
89	Expression of Lethal Mutations Is Suppressed in Neoplastically Transformed Cells and after Treatment of Normal Cells with Carcinogens. <i>Radiation Research</i> , 1996, 145, 714.	1.5	20
90	Raman spectroscopic analysis of saliva for the diagnosis of oral cancer: A systematic review. <i>Translational Biophotonics</i> , 2019, 1, e201900001.	2.7	20

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91	The potential of biobanked liquid based cytology samples for cervical cancer screening using Raman spectroscopy. <i>Journal of Biophotonics</i> , 2019, 12, e201800377.	2.3	20
92	Ionizing Radiation Induces a Stress Response in Primary Cultures of Rainbow Trout Skin. <i>Radiation Research</i> , 2004, 162, 226-232.	1.5	19
93	Mitophagy and mitochondrial morphology in human melanoma-derived cells post exposure to simulated sunlight. <i>International Journal of Radiation Biology</i> , 2011, 87, 506-517.	1.8	19
94	The importance of serum serotonin levels in the measurement of radiation-induced bystander cell death in HaCaT cells. <i>International Journal of Radiation Biology</i> , 2012, 88, 770-772.	1.8	19
95	Raman spectroscopic analysis of oral cells in the high wavenumber region. <i>Experimental and Molecular Pathology</i> , 2017, 103, 255-262.	2.1	19
96	Oxidative stress in cells exposed to low levels of ionizing radiation. <i>Biochemical Society Transactions</i> , 2001, 29, 350.	3.4	19
97	Cell Death Mechanisms Associated with G2Radiosensitivity in Patients with Prostate Cancer and Benign Prostatic Hyperplasia. <i>Radiation Research</i> , 2005, 164, 627-634.	1.5	17
98	Temperature-Induced Nucleation of Poly(p-phenylene vinylene-co-2,5-dioctyloxy-m-phenylene vinylene) Crystallization by HiPco Single-Walled Carbon Nanotubes. <i>Journal of Physical Chemistry B</i> , 2005, 109, 5600-5607.	2.6	17
99	Identification of a multixenobiotic resistance mechanism in primary cultured epidermal cells from <i>Oncorhynchus mykiss</i> and the effects of environmental complex mixtures on its activity. <i>Aquatic Toxicology</i> , 2005, 73, 115-127.	4.0	17
100	Do Radiation-Induced Bystander Effects Correlate to the Intrinsic Radiosensitivity of Individuals and Have Clinical Significance?. <i>Radiation Research</i> , 2009, 171, 521-529.	1.5	17
101	Cell Survival and DNA Damage in Normal Prostate Cells Irradiated Out-of-Field. <i>Radiation Research</i> , 2014, 182, 499-506.	1.5	17
102	Microcantilever arrays functionalised with spiropyran photoactive moieties as systems to measure photo-induced surface stress changes. <i>Sensors and Actuators B: Chemical</i> , 2016, 237, 479-486.	7.8	17
103	Development of methodology for Raman microspectroscopic analysis of oral exfoliated cells. <i>Analytical Methods</i> , 2017, 9, 937-948.	2.7	16
104	Gene Expression and Enzyme Activity of Mitochondrial Proteins in Irradiated Rainbow Trout (<i>Oncorhynchus Mykiss</i> , Walbaum) Tissues<i>In Vitro</i>. <i>Radiation Research</i> , 2009, 171, 464-473.	1.5	14
105	A simple model for cell type recognition using 2D-correlation analysis of FTIR images from breast cancer tissue. <i>Journal of Molecular Structure</i> , 2018, 1163, 472-479.	3.6	14
106	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
107	Effects of hTERT on genomic instability caused by either metal or radiation or combined exposure. <i>Mutagenesis</i> , 2008, 24, 25-33.	2.6	13
108	Medium-mediated effects increase cell killing in a human keratinocyte cell line exposed to solar-simulated radiation. <i>International Journal of Radiation Biology</i> , 2011, 87, 98-111.	1.8	13

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109	The effect of genetic background and dose on non-targeted effects of radiation. <i>International Journal of Radiation Biology</i> , 2012, 88, 735-742.	1.8	13
110	Raman spectral signatures of cervical exfoliated cells from liquid-based cytology samples. <i>Journal of Biomedical Optics</i> , 2017, 22, 1.	2.6	13
111	The Potential of Raman Spectroscopy in the Diagnosis of Dysplastic and Malignant Oral Lesions. <i>Cancers</i> , 2021, 13, 619.	3.7	12
112	Silicon Microcantilever Sensors to Detect the Reversible Conformational Change of a Molecular Switch, Spiropyran. <i>Sensors</i> , 2020, 20, 854.	3.8	11
113	Preparation of Tissues and Cells for Infrared and Raman Spectroscopy and Imaging. <i>Metal Ions in Life Sciences</i> , 2010, , 145-191.	1.0	11
114	Cell-density-dependent changes in mitochondrial membrane potential and reactive oxygen species production in human skin cells post sunlight exposure. <i>Photodermatology Photoimmunology and Photomedicine</i> , 2010, 26, 311-317.	1.5	10
115	Vibrational Spectroscopy: Disease Diagnostics and Beyond. <i>Challenges and Advances in Computational Chemistry and Physics</i> , 2014, , 355-399.	0.6	10
116	A pilot study for early detection of oral premalignant diseases using oral cytology and Raman micro-Raman spectroscopy: Assessment of confounding factors. <i>Journal of Biophotonics</i> , 2020, 13, e202000079.	2.3	10
117	Cytoskeletal Reorganization and Altered Phagocytotic Ability in Primary Cultures of Rainbow Trout Hemopoietic Tissue Exposed to Low-Level Ionizing Radiation. <i>Radiation Research</i> , 2005, 164, 45-52.	1.5	9
118	A laboratory inter-comparison of the importance of serum serotonin levels in the measurement of a range of radiation-induced bystander effects: Overview of study and results presentation. <i>International Journal of Radiation Biology</i> , 2012, 88, 763-769.	1.8	9
119	The use of vibrational spectroscopy to study the pathogenesis multiple sclerosis and other neurological conditions. <i>Applied Spectroscopy Reviews</i> , 2017, 52, 868-882.	6.7	9
120	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
121	Improved removal of blood contamination from ThinPrep cervical cytology samples for Raman spectroscopic analysis. <i>Journal of Biomedical Optics</i> , 2018, 23, 1.	2.6	9
122	Micro-RNA and Proteomic Profiles of Plasma-Derived Exosomes from Irradiated Mice Reveal Molecular Changes Preventing Apoptosis in Neonatal Cerebellum. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2169.	4.1	8
123	The potential of vibrational spectroscopy in the early detection of cervical cancer: an exciting emerging field. <i>Proceedings of SPIE</i> , 2005, , .	0.8	7
124	Raman microspectroscopic study for the detection of oral field cancerisation using brush biopsy samples. <i>Journal of Biophotonics</i> , 2020, 13, e202000131.	2.3	7
125	Raman Spectroscopy of Liquid-Based Cervical Smear Samples as a Triage to Stratify Women Who Are HPV-Positive on Screening. <i>Cancers</i> , 2021, 13, 2008.	3.7	7
126	Raman spectroscopic characterisation of non stimulated and stimulated human whole saliva. <i>Clinical Spectroscopy</i> , 2021, 3, 100010.	1.3	7

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127	Solar simulated radiation induced cell death depends on spectral distribution and irradiance but not output delivery. <i>Radiation Protection Dosimetry</i> , 2010, 140, 147-157.	0.8	6
128	Development and Validation of a Raman Spectroscopic Classification Model for Cervical Intraepithelial Neoplasia (CIN). <i>Cancers</i> , 2022, 14, 1836.	3.7	6
129	Effect of hemolysis on Fourier transform infrared and Raman spectra of blood plasma. <i>Journal of Biophotonics</i> , 2020, 13, e201960173.	2.3	5
130	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
131	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
132	Cross-reactivity of some antibodies to human epitopes with shrimp <i>Pandalus borealis</i> proteins: a possible aid in validation and characterization of crustacean cells in vitro. <i>Cell Biochemistry and Function</i> , 2002, 20, 247-256.	2.9	4
133	Bystander responses in low dose irradiated cells treated with plasma from gamma irradiated blood. <i>Journal of Physics: Conference Series</i> , 2008, 101, 012005.	0.4	4
134	Single cell analysis/data handling: general discussion. <i>Faraday Discussions</i> , 2016, 187, 299-327.	3.2	4
135	A study of hormonal effects in cervical smear samples using Raman spectroscopy. <i>Journal of Biophotonics</i> , 2018, 11, e201700240.	2.3	4
136	Can ethanol affect the cell structure? A dynamic molecular and Raman spectroscopy study. <i>Photodiagnosis and Photodynamic Therapy</i> , 2020, 30, 101675.	2.6	4
137	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
138	Classification of cytological samples from oral potentially malignant lesions through Raman spectroscopy: A pilot study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 266, 120437.	3.9	4
139	MiRNA-Mediated Fibrosis in the Out-of-Target Heart following Partial-Body Irradiation. <i>Cancers</i> , 2022, 14, 3463.	3.7	4
140	Potential of Raman spectroscopy for the molecular characterization of human tumors. , 2003, , .		3
141	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
142	Raman spectroscopic analysis of oral squamous cell carcinoma and oral dysplasia in the high-wavenumber region. <i>Proceedings of SPIE</i> , 2015, , .	0.8	2
143	Techniques for cervical cancer screening and diagnosis. , 2016, , 345-375.		2
144	Recent advances in the vibrational spectroscopic diagnosis of non-small cell lung cancer. <i>Vibrational Spectroscopy</i> , 2019, 104, 102946.	2.2	2

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145	Comparative study of oral dysplasia by conventional and surface enhanced Raman spectroscopy of whole saliva. , 2020, , .		2
146	Raman spectroscopic analysis of ionization processes in biological systems. , 2003, 4876, 18.		1
147	Functional and pathological analysis of biological systems using vibrational spectroscopy with chemometric and heuristic approaches. , 2009, , .		1
148	Selection of preprocessing methodology for multivariate regression of cellular FTIR and Raman spectra in radiobiological analyses. , 2014, , .		1
149	Using fluorescence spectra to distinguish between microalgae species. , 2003, 4876, 938.		0
150	Correlation of spectroscopic and biochemical assays post-ionising radiation exposure in human skin cell analogues. , 2005, , .		0
151	Primary culture and histological characterization of phagocytic cells from rainbow trout <i>Oncorhynchus mykiss</i> . Journal of Fish Biology, 2006, 69, 1-19.	1.6	0
152	Study of Live Cells Grown on Three Dimensional Collagen Gels Using Raman Microspectroscopy. , 2010, , .		0
153	Probing the biochemical composition of normal appearance white matter, active and chronic lesions from multiple sclerosis cases using vibrational spectroscopy. Journal of Neuroimmunology, 2014, 275, 128.	2.3	0
154	810 Raman microspectroscopy: A novel tool for the cytological screening of cervical cancer. European Journal of Cancer, 2015, 51, S136.	2.8	0
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