

Michael D Brown

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

76
papers

4,086
citations

40
h-index

62
g-index

80
ext. papers

4,463
ext. citations

6.1
avg, IF

4.87
L-index

#	Paper	IF	Citations
76	Resonant Mie scattering (RMieS) correction of infrared spectra from highly scattering biological samples. <i>Analyst, The</i> , 2010 , 135, 268-77	5	283
75	Measurement of elastic properties of prostate cancer cells using AFM. <i>Analyst, The</i> , 2008 , 133, 1498-5005		189
74	Genome-wide methylation analysis identifies epigenetically inactivated candidate tumour suppressor genes in renal cell carcinoma. <i>Oncogene</i> , 2011 , 30, 1390-401	9.2	143
73	Applications of Fourier transform infrared microspectroscopy in studies of benign prostate and prostate cancer. A pilot study. <i>Journal of Pathology</i> , 2003 , 201, 99-108	9.4	133
72	FTIR-based spectroscopic analysis in the identification of clinically aggressive prostate cancer. <i>British Journal of Cancer</i> , 2008 , 99, 1859-66	8.7	130
71	Fixation protocols for subcellular imaging by synchrotron-based Fourier transform infrared microspectroscopy. <i>Biopolymers</i> , 2005 , 77, 18-30	2.2	124
70	Identification of candidate tumour suppressor genes frequently methylated in renal cell carcinoma. <i>Oncogene</i> , 2010 , 29, 2104-17	9.2	119
69	Direct evidence of lipid translocation between adipocytes and prostate cancer cells with imaging FTIR microspectroscopy. <i>Journal of Lipid Research</i> , 2007 , 48, 1846-56	6.3	111
68	Reflection contributions to the dispersion artefact in FTIR spectra of single biological cells. <i>Analyst, The</i> , 2009 , 134, 1171-5	5	109
67	FTIR microscopy of biological cells and tissue: data analysis using resonant Mie scattering (RMieS) EMSC algorithm. <i>Analyst, The</i> , 2012 , 137, 1370-7	5	108
66	RMieS-EMSC correction for infrared spectra of biological cells: extension using full Mie theory and GPU computing. <i>Journal of Biophotonics</i> , 2010 , 3, 609-20	3.1	105
65	A correlation of FTIR spectra derived from prostate cancer biopsies with gleason grade and tumour stage. <i>European Urology</i> , 2006 , 50, 750-60; discussion 760-1	10.2	99
64	Coding sequences of both genome segments of a European Qery virulent Qnfectious bursal disease virus. <i>Virus Research</i> , 1996 , 40, 1-15	6.4	99
63	Promotion of prostatic metastatic migration towards human bone marrow stoma by Omega 6 and its inhibition by Omega 3 PUFAs. <i>British Journal of Cancer</i> , 2006 , 94, 842-53	8.7	94
62	Characterization of benign and malignant prostate epithelial Hoechst 33342 side populations. <i>Prostate</i> , 2007 , 67, 1384-96	4.2	92
61	Novel method for the isolation and characterisation of the putative prostatic stem cell. <i>Cytometry</i> , 2003 , 54, 89-99		86
60	Investigating FTIR based histopathology for the diagnosis of prostate cancer. <i>Journal of Biophotonics</i> , 2009 , 2, 104-13	3.1	85

59	The combined application of FTIR microspectroscopy and ToF-SIMS imaging in the study of prostate cancer. <i>Faraday Discussions</i> , 2004 , 126, 41-59; discussion 77-92	3.6	73
58	Characterization of the Hoechst 33342 side population from normal and malignant human renal epithelial cells. <i>American Journal of Physiology - Renal Physiology</i> , 2008 , 295, F680-7	4.3	72
57	Leaky scanning is the predominant mechanism for translation of human papillomavirus type 16 E7 oncoprotein from E6/E7 bicistronic mRNA. <i>Journal of Virology</i> , 2000 , 74, 7284-97	6.6	71
56	The differential effects of statins on the metastatic behaviour of prostate cancer. <i>British Journal of Cancer</i> , 2012 , 106, 1689-96	8.7	68
55	Factors influencing the discrimination and classification of prostate cancer cell lines by FTIR microspectroscopy. <i>Analyst, The</i> , 2009 , 134, 1083-91	5	66
54	Spectral discrimination of live prostate and bladder cancer cell lines using Raman optical tweezers. <i>Journal of Biomedical Optics</i> , 2008 , 13, 064004	3.5	65
53	Molecular mechanisms of metastasis in prostate cancer. <i>Asian Journal of Andrology</i> , 2009 , 11, 57-67	2.8	60
52	Microenvironmental IL1 β promotes breast cancer metastatic colonisation in the bone via activation of Wnt signalling. <i>Nature Communications</i> , 2019 , 10, 5016	17.4	58
51	Influence of omega-6 PUFA arachidonic acid and bone marrow adipocytes on metastatic spread from prostate cancer. <i>British Journal of Cancer</i> , 2010 , 102, 403-13	8.7	58
50	Functional epigenomics approach to identify methylated candidate tumour suppressor genes in renal cell carcinoma. <i>British Journal of Cancer</i> , 2008 , 98, 496-501	8.7	58
49	Invasive characteristics of human prostatic epithelial cells: understanding the metastatic process. <i>British Journal of Cancer</i> , 2005 , 92, 503-12	8.7	57
48	CpG methylation profiling in VHL related and VHL unrelated renal cell carcinoma. <i>Molecular Cancer</i> , 2009 , 8, 31	42.1	56
47	Hoechst 33342 side population identification is a conserved and unified mechanism in urological cancers. <i>Stem Cells and Development</i> , 2009 , 18, 1515-22	4.4	55
46	A study of cytokinetic and motile prostate cancer cells using synchrotron-based FTIR microspectroscopic imaging. <i>Vibrational Spectroscopy</i> , 2005 , 38, 193-201	2.1	53
45	Classification of fixed urological cells using Raman tweezers. <i>Journal of Biophotonics</i> , 2009 , 2, 47-69	3.1	51
44	Genome-wide CpG island methylation analysis implicates novel genes in the pathogenesis of renal cell carcinoma. <i>Epigenetics</i> , 2012 , 7, 278-90	5.7	50
43	Assessing the challenges of Fourier transform infrared spectroscopic analysis of blood serum. <i>Journal of Biophotonics</i> , 2014 , 7, 180-8	3.1	47
42	Optical artefacts in transfection mode FTIR microspectroscopic images of single cells on a biological support: the effect of back-scattering into collection optics. <i>Analyst, The</i> , 2007 , 132, 750-5	5	45

41	Differential inhibition of invasion and proliferation by bisphosphonates: anti-metastatic potential of Zoledronic acid in prostate cancer. <i>European Urology</i> , 2004 , 46, 389-401; discussion 401-2	10.2	43
40	Single-Cell Analysis Identifies LY6D as a Marker Linking Castration-Resistant Prostate Luminal Cells to Prostate Progenitors and Cancer. <i>Cell Reports</i> , 2018 , 25, 3504-3518.e6	10.6	43
39	Lipid degradation promotes prostate cancer cell survival. <i>Oncotarget</i> , 2017 , 8, 38264-38275	3.3	41
38	Discrimination of prostate cancer cells by reflection mode FTIR photoacoustic spectroscopy. <i>Analyst, The</i> , 2007 , 132, 292-5	5	41
37	High-throughput quantum cascade laser (QCL) spectral histopathology: a practical approach towards clinical translation. <i>Faraday Discussions</i> , 2016 , 187, 135-54	3.6	40
36	SR-FTIR spectroscopy of renal epithelial carcinoma side population cells displaying stem cell-like characteristics. <i>Analyst, The</i> , 2010 , 135, 3133-41	5	39
35	Natural HPV immunity and vaccination strategies. <i>Journal of Clinical Virology</i> , 2000 , 19, 57-66	14.5	38
34	Assessment of paraffin removal from prostate FFPE sections using transmission mode FTIR-FPA imaging. <i>Analytical Methods</i> , 2014 , 6, 1028-1035	3.2	37
33	FTIR microspectroscopy of selected rare diverse sub-variants of carcinoma of the urinary bladder. <i>Journal of Biophotonics</i> , 2013 , 6, 73-87	3.1	33
32	An investigation of the RWPE prostate derived family of cell lines using FTIR spectroscopy. <i>Analyst, The</i> , 2010 , 135, 887-94	5	33
31	Infrared spectral histopathology using haematoxylin and eosin (H&E) stained glass slides: a major step forward towards clinical translation. <i>Analyst, The</i> , 2017 , 142, 1258-1268	5	32
30	Arachidonic acid induction of Rho-mediated transendothelial migration in prostate cancer. <i>British Journal of Cancer</i> , 2014 , 110, 2099-108	8.7	30
29	Methylation profiling and evaluation of demethylating therapy in renal cell carcinoma. <i>Clinical Epigenetics</i> , 2013 , 5, 16	7.7	29
28	Biomolecular profiling of metastatic prostate cancer cells in bone marrow tissue using FTIR microspectroscopy: a pilot study. <i>Analytical and Bioanalytical Chemistry</i> , 2007 , 387, 1621-31	4.4	29
27	Enhanced FTIR bench-top imaging of single biological cells. <i>Analyst, The</i> , 2015 , 140, 2080-5	5	27
26	Ligand-independent activation of EphA2 by arachidonic acid induces metastasis-like behaviour in prostate cancer cells. <i>British Journal of Cancer</i> , 2012 , 107, 1737-44	8.7	27
25	Discrimination of prostate cancer cells and non-malignant cells using secondary ion mass spectrometry. <i>Analyst, The</i> , 2008 , 133, 175-9	5	25
24	Quantification of skeletal metastases in castrate-resistant prostate cancer predicts progression-free and overall survival. <i>BJU International</i> , 2014 , 114, E70-E73	5.6	23

23	Highlighting a need to distinguish cell cycle signatures from cellular responses to chemotherapeutics in SR-FTIR spectroscopy. <i>Analyst, The</i> , 2012 , 137, 5736-42	5	23
22	Whole organ cross-section chemical imaging using label-free mega-mosaic FTIR microscopy. <i>Analyst, The</i> , 2013 , 138, 7066-9	5	22
21	A FTIR microspectroscopic study of the uptake and metabolism of isotopically labelled fatty acids by metastatic prostate cancer. <i>Vibrational Spectroscopy</i> , 2009 , 50, 99-105	2.1	22
20	Characterising cytotoxic agent action as a function of the cell cycle using Fourier transform infrared microspectroscopy. <i>Analyst, The</i> , 2015 , 140, 4453-64	5	18
19	MRE11 as a Predictive Biomarker of Outcome After Radiation Therapy in Bladder Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2019 , 104, 809-818	4	17
18	Imaging ToF-SIMS and synchrotron-based FT-IR microspectroscopic studies of prostate cancer cell lines. <i>Applied Surface Science</i> , 2004 , 231-232, 452-456	6.7	17
17	Exploring the spectroscopic differences of Caki-2 cells progressing through the cell cycle while proliferating in vitro. <i>Analyst, The</i> , 2013 , 138, 3957-66	5	16
16	ToF-SIMS PC-DFA analysis of prostate cancer cell lines. <i>Applied Surface Science</i> , 2008 , 255, 1084-1087	6.7	15
15	Human T cell responses to HPV 16 E2 generated with monocyte-derived dendritic cells. <i>International Journal of Cancer</i> , 2001 , 94, 807-12	7.5	15
14	Live single cell analysis using synchrotron FTIR microspectroscopy: development of a simple dynamic flow system for prolonged sample viability. <i>Analyst, The</i> , 2019 , 144, 997-1007	5	14
13	Investigating cellular responses to novel chemotherapeutics in renal cell carcinoma using SR-FTIR spectroscopy. <i>Analyst, The</i> , 2012 , 137, 4720-6	5	13
12	UBE2QL1 is disrupted by a constitutional translocation associated with renal tumor predisposition and is a novel candidate renal tumor suppressor gene. <i>Human Mutation</i> , 2013 , 34, 1650-61	4.7	13
11	"Like a Devoted Army": Medicine, Heroic Masculinity, and the Military Paradigm in Victorian Britain. <i>Journal of British Studies</i> , 2010 , 49, 592-622	0	13
10	From foetid air to filth: the cultural transformation of British epidemiological thought, ca. 1780-1848. <i>Bulletin of the History of Medicine</i> , 2008 , 82, 515-44	0.7	13
9	Primary Mutational Landscape Linked with Pre-Docetaxel Lactate Dehydrogenase Levels Predicts Docetaxel Response in Metastatic Castrate-Resistant Prostate Cancer. <i>European Urology Focus</i> , 2019 , 5, 831-841	5.1	11
8	Copper modulates zinc metalloproteinase-dependent ectodomain shedding of key signaling and adhesion proteins and promotes the invasion of prostate cancer epithelial cells. <i>Molecular Cancer Research</i> , 2012 , 10, 1282-93	6.6	10
7	Cd133: a marker of transit amplification rather than stem cell phenotype in the prostate?. <i>BJU International</i> , 2009 , 103, 856-8	5.6	8
6	Automated high-throughput assessment of prostate biopsy tissue using infrared spectroscopic chemical imaging 2014 ,		7

5	Measuring Response to Therapy by Near-Infrared Imaging of Tumors Using a Phosphatidylserine-Targeting Antibody Fragment. <i>Molecular Imaging</i> , 2013 , 12, 7290.2012.00039	3.7	7
4	The molecular staging of prostate cancer. <i>BJU International</i> , 2004 , 94, 1217-20	5.6	4
3	Stroma-induced Jagged1 expression drives PC3 prostate cancer cell migration; disparate effects of RIP-generated proteolytic fragments on cell behaviour and Notch signaling. <i>Biochemical and Biophysical Research Communications</i> , 2016 , 472, 255-61	3.4	4
2	Fatty-Acid Uptake in Prostate Cancer Cells Using Dynamic Microfluidic Raman Technology. <i>Molecules</i> , 2020 , 25,	4.8	4
1	An automated, sensitive, high-throughput biomarker protocol for tissue microarrays containing archival prostate specimens: The prognostic potential of an ERG EMT panel.. <i>Journal of Clinical Oncology</i> , 2014 , 32, 181-181	2.2	