Michael D Brown

List of Publications by Year
in descending order

78 papers	4,813 citations	66343 42 h-index	95266 68 g-index
80 all docs	80 docs citations	80 times ranked	5831 citing authors

#	Article	IF	Citations
1	Resonant Mie Scattering (RMieS) correction of infrared spectra from highly scattering biological samples. Analyst, The, 2010, 135, 268-277.	3.5	332
2	Measurement of elastic properties of prostate cancer cells using AFM. Analyst, The, 2008, 133, 1498.	3.5	247
3	Genome-wide methylation analysis identifies epigenetically inactivated candidate tumour suppressor genes in renal cell carcinoma. Oncogene, 2011, 30, 1390-1401.	5.9	170
4	FTIR-based spectroscopic analysis in the identification of clinically aggressive prostate cancer. British Journal of Cancer, 2008, 99, 1859-1866.	6.4	161
5	Applications of Fourier transform infrared microspectroscopy in studies of benign prostate and prostate cancer. A pilot study. Journal of Pathology, 2003, 201, 99-108.	4.5	155
6	Identification of candidate tumour suppressor genes frequently methylated in renal cell carcinoma. Oncogene, 2010, 29, 2104-2117.	5.9	143
7	Direct evidence of lipid translocation between adipocytes and prostate cancer cells with imaging FTIR microspectroscopy. Journal of Lipid Research, 2007, 48, 1846-1856.	4.2	133
8	Fixation protocols for subcellular imaging by synchrotron-based Fourier transform infrared microspectroscopy. Biopolymers, 2005, 77, 18-30.	2.4	130
9	Coding sequences of both genome segments of a European â€˜very virulentâ€™ infectious bursal disease virus. Virus Research, 1996, 40, 1-15.	2.2	119
10	Reflection contributions to the dispersion artefact in FTIR spectra of single biological cells. Analyst, The, 2009, 134, 1171.	3.5	118
11	FTIR microscopy of biological cells and tissue: data analysis using resonant Mie scattering (RMieS) EMSC algorithm. Analyst, The, 2012, 137, 1370.	3.5	117
12	RMieSâ€EMSC correction for infrared spectra of biological cells: Extension using full Mie theory and GPU computing. Journal of Biophotonics, 2010, 3, 609-620.	2.3	116
13	A Correlation of FTIR Spectra Derived from Prostate Cancer Biopsies with Gleason Grade and Tumour Stage. European Urology, 2006, 50, 750-761.	1.9	111
14	Promotion of prostatic metastatic migration towards human bone marrow stoma by Omega 6 and its inhibition by Omega 3 PUFAs. British Journal of Cancer, 2006, 94, 842-853.	6.4	105
15	Microenvironmental IL1Î² promotes breast cancer metastatic colonisation in the bone via activation of Wnt signalling. Nature Communications, 2019, 10, 5016.	12.8	105
16	Characterization of benign and malignant prostate epithelial Hoechst 33342 side populations. Prostate, 2007, 67, 1384-1396.	2.3	102
17	Novel method for the isolation and characterisation of the putative prostatic stem cell. Cytometry, 2003, 54A, 89-99.	1.8	97
18	Investigating FTIR based histopathology for the diagnosis of prostate cancer. Journal of Biophotonics, 2009, 2, 104-113.	2.3	97

#	Article	IF	Citations
19	Leaky Scanning Is the Predominant Mechanism for Translation of Human Papillomavirus Type 16 E7 Oncoprotein from E6/E7 Bicistronic mRNA. Journal of Virology, 2000, 74, 7284-7297.	3.4	87
20	The differential effects of statins on the metastatic behaviour of prostate cancer. British Journal of Cancer, 2012, 106, 1689-1696.	6.4	84
21	The combined application of FTIR microspectroscopy and ToF-SIMS imaging in the study of prostate cancer. Faraday Discussions, 2004, 126, 41.	3.2	78
22	Molecular mechanisms of metastasis in prostate cancer. Asian Journal of Andrology, 2009, 11, 57-67.	1.6	78
23	Characterization of the Hoechst 33342 side population from normal and malignant human renal epithelial cells. American Journal of Physiology - Renal Physiology, 2008, 295, F680-F687.	2.7	76
24	Spectral discrimination of live prostate and bladder cancer cell lines using Raman optical tweezers. Journal of Biomedical Optics, 2008, 13, 064004.	2.6	71
25	Factors influencing the discrimination and classification of prostate cancer cell lines by FTIR microspectroscopy. Analyst, The, 2009, 134, 1083.	3.5	71
26	Influence of omega-6 PUFA arachidonic acid and bone marrow adipocytes on metastatic spread from prostate cancer. British Journal of Cancer, 2010, 102, 403-413.	6.4	71
27	Single-Cell Analysis Identifies LY6D as a Marker Linking Castration-Resistant Prostate Luminal Cells to Prostate Progenitors and Cancer. Cell Reports, 2018, 25, 3504-3518.e6.	6.4	70
28	Hoechst 33342 Side Population Identification Is a Conserved and Unified Mechanism in Urological Cancers. Stem Cells and Development, 2009, 18, 1515-1522.	2.1	67
29	CpG methylation profiling in VHL related and VHL unrelated renal cell carcinoma. Molecular Cancer, 2009, 8, 31.	19.2	65
30	Lipid degradation promotes prostate cancer cell survival. Oncotarget, 2017, 8, 38264-38275.	1.8	64
31	Functional epigenomics approach to identify methylated candidate tumour suppressor genes in renal cell carcinoma. British Journal of Cancer, 2008, 98, 496-501.	6.4	63
32	Invasive characteristics of human prostatic epithelial cells: understanding the metastatic process. British Journal of Cancer, 2005, 92, 503-512.	6.4	62
33	Classification of fixed urological cells using Raman tweezers. Journal of Biophotonics, 2009, 2, 47-69.	2.3	58
34	Assessing the challenges of Fourier transform infrared spectroscopic analysis of blood serum. Journal of Biophotonics, 2014, 7, 180-188.	2.3	57
35	A study of cytokinetic and motile prostate cancer cells using synchrotron-based FTIR microspectroscopic imaging. Vibrational Spectroscopy, 2005, 38, 193-201.	2.2	55
36	Genome-wide CpG island methylation analysis implicates novel genes in the pathogenesis of renal cell carcinoma. Epigenetics, 2012, 7, 278-290.	2.7	54

#	Article	IF	Citations
37	Optical artefacts in transflection mode FTIR microspectroscopic images of single cells on a biological support: the effect of back-scattering into collection optics. Analyst, The, 2007, 132, 750.	3.5	48
38	Differential Inhibition of Invasion and Proliferation by Bisphosphonates: Anti-Metastatic Potential of Zoledronic Acid in Prostate Cancer. European Urology, 2004, 46, 389-402.	1.9	47
39	Natural HPV immunity and vaccination strategies. Journal of Clinical Virology, 2000, 19, 57-66.	3.1	46
40	High-throughput quantum cascade laser (QCL) spectral histopathology: a practical approach towards clinical translation. Faraday Discussions, 2016, 187, 135-154.	3.2	46
41	Discrimination of prostate cancer cells by reflection mode FTIR photoacoustic spectroscopy. Analyst, The, 2007, 132, 292.	3.5	45
42	Assessment of paraffin removal from prostate FFPE sections using transmission mode FTIR-FPA imaging. Analytical Methods, 2014, 6, 1028-1035.	2.7	45
43	SR-FTIR spectroscopy of renal epithelial carcinoma side population cells displaying stem cell-like characteristics. Analyst, The, 2010, 135, 3133.	3.5	44
44	FTIR microspectroscopy of selected rare diverse subâ€variants of carcinoma of the urinary bladder. Journal of Biophotonics, 2013, 6, 73-87.	2.3	38
45	Infrared spectral histopathology using haematoxylin and eosin (H&E) stained glass slides: a major step forward towards clinical translation. Analyst, The, 2017, 142, 1258-1268.	3.5	38
46	Arachidonic acid induction of Rho-mediated transendothelial migration in prostate cancer. British Journal of Cancer, 2014, 110, 2099-2108.	6.4	36
47	An investigation of the RWPE prostate derived family of cell lines using FTIR spectroscopy. Analyst, The, 2010, 135, 887.	3.5	35
48	Biomolecular profiling of metastatic prostate cancer cells in bone marrow tissue using FTIR microspectroscopy: a pilot study. Analytical and Bioanalytical Chemistry, 2007, 387, 1621-1631.	3.7	33
49	Ligand-independent activation of EphA2 by arachidonic acid induces metastasis-like behaviour in prostate cancer cells. British Journal of Cancer, 2012, 107, 1737-1744.	6.4	33
50	Methylation profiling and evaluation of demethylating therapy in renal cell carcinoma. Clinical Epigenetics, 2013, 5, 16.	4.1	33
51	Quantification of skeletal metastases in castrateâ€resistant prostate cancer predicts progressionâ€free and overall survival. BJU International, 2014, 114, E70-E73.	2.5	30
52	Enhanced FTIR bench-top imaging of single biological cells. Analyst, The, 2015, 140, 2080-2085.	3.5	29
53	Discrimination of prostate cancer cells and non-malignant cells using secondary ion mass spectrometry. Analyst, The, 2008, 133, 175-179.	3.5	27
54	Highlighting a need to distinguish cell cycle signatures from cellular responses to chemotherapeutics in SR-FTIR spectroscopy. Analyst, The, 2012, 137, 5736.	3.5	25

#	Article	IF	Citations
55	From Foetid Air to Filth: The Cultural Transformation of British Epidemiological Thought, ca. 1780â€“1848. Bulletin of the History of Medicine, 2008, 82, 515-544.	0.5	24
56	Whole organ cross-section chemical imaging using label-free mega-mosaic FTIR microscopy. Analyst, The, 2013, 138, 7066.	3.5	24
57	A FTIR microspectroscopic study of the uptake and metabolism of isotopically labelled fatty acids by metastatic prostate cancer. Vibrational Spectroscopy, 2009, 50, 99-105.	2.2	23
58	MRE11 as a Predictive Biomarker of Outcome After Radiation Therapy in Bladder Cancer. International Journal of Radiation Oncology Biology Physics, 2019, 104, 809-818.	0.8	23
59	â€œLike a Devoted Armyâ€: Medicine, Heroic Masculinity, and the Military Paradigm in Victorian Britain. Journal of British Studies, 2010, 49, 592-622.	0.0	20
60	Live single cell analysis using synchrotron FTIR microspectroscopy: development of a simple dynamic flow system for prolonged sample viability. Analyst, The, 2019, 144, 997-1007.	3.5	20
61	Imaging ToF-SIMS and synchrotron-based FT-IR microspectroscopic studies of prostate cancer cell lines. Applied Surface Science, 2004, 231-232, 452-456.	6.1	19
62	Copper Modulates Zinc Metalloproteinase-Dependent Ectodomain Shedding of Key Signaling and Adhesion Proteins and Promotes the Invasion of Prostate Cancer Epithelial Cells. Molecular Cancer Research, 2012, 10, 1282-1293.	3.4	19
63	<scp>UBE</scp> 2 <scp>QL</scp> 1 is Disrupted by a Constitutional Translocation Associated with Renal Tumor Predisposition and is a Novel Candidate Renal Tumor Suppressor Gene. Human Mutation, 2013, 34, 1650-1661.	2.5	18
64	Characterising cytotoxic agent action as a function of the cell cycle using fourier transform infrared microspectroscopy. Analyst, The, 2015, 140, 4453-4464.	3.5	18
65	Exploring the spectroscopic differences of Caki-2 cells progressing through the cell cycle while proliferating in vitro. Analyst, The, 2013, 138, 3957.	3.5	17
66	Human T cell responses to HPV 16 E2 generated with monocyte-derived dendritic cells. International Journal of Cancer, 2001, 94, 807-812.	5.1	16
67	ToF-SIMS PC-DFA analysis of prostate cancer cell lines. Applied Surface Science, 2008, 255, 1084-1087.	6.1	15
68	Investigating cellular responses to novel chemotherapeutics in renal cell carcinoma using SR-FTIR spectroscopy. Analyst, The, 2012, 137, 4720.	3.5	13
69	Primary Mutational Landscape Linked with Pre-Docetaxel Lactate Dehydrogenase Levels Predicts Docetaxel Response in Metastatic Castrate-Resistant Prostate Cancer. European Urology Focus, 2019, 5, 831-841.	3.1	11
70	Measuring Response to Therapy by Near-Infrared Imaging of Tumors Using a Phosphatidylserine-Targeting Antibody Fragment. Molecular Imaging, 2013, 12, 7290.2012.00039.	1.4	9
71	CD133: A MARKER OF TRANSIT AMPLIFICATION RATHER THAN STEM CELL PHENOTYPE IN THE PROSTATE?. BJU International, 2009, 103, 856-858.	2.5	8
72	Automated high-throughput assessment of prostate biopsy tissue using infrared spectroscopic chemical imaging. Proceedings of SPIE, 2014, , .	0.8	8

#	Article	IF	Citations
73	Fatty-Acid Uptake in Prostate Cancer Cells Using Dynamic Microfluidic Raman Technology. Molecules, 2020, 25, 1652.	3.8	8
74	Stroma-induced Jagged1 expression drives PC3 prostate cancer cell migration; disparate effects of RIP-generated proteolytic fragments on cell behaviour and Notch signaling. Biochemical and Biophysical Research Communications, 2016, 472, 255-261.	2.1	6
75	The molecular staging of prostate cancer. BJU International, 2004, 94, 1217-1220.	2.5	4
76	Should All Patients Receive Statins to Reduce Cancer Risk After Heart Transplantation?. Circulation, 2012, 126, 391-391.	1.6	1
77	GENETIC PROFILING OF THE STEM CELL ENRICHED PROSTATE SIDE POPULATION. Journal of Urology, 2009, 181, 42-43.	0.4	0
78	An automated, sensitive, high-throughput biomarker protocol for tissue microarrays containing archival prostate specimens: The prognostic potential of an ERG EMT panel.. Journal of Clinical Oncology, 2014, 32, 181-181.	1.6	0