

Nigel James Fullwood

List of Publications by Year in descending order

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35
papers

3,323
citations

394421

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414414

32
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docs citations

36
times ranked

5222
citing authors

#	ARTICLE	IF	CITATIONS
1	Aggregation Kinetics and Filament Structure of a Tau Fragment Are Influenced by the Sulfation Pattern of the Cofactor Heparin. <i>Biochemistry</i> , 2020, 59, 4003-4014.	2.5	16
2	Circular Dichroism Spectroscopy Identifies the β^2 -Adrenoceptor Agonist Salbutamol As a Direct Inhibitor of Tau Filament Formation <i>in Vitro</i> . <i>ACS Chemical Neuroscience</i> , 2020, 11, 2104-2116.	3.5	16
3	Bioactive silver phosphate/polyindole nanocomposites. <i>RSC Advances</i> , 2020, 10, 11060-11073.	3.6	6
4	An analysis of benign human prostate offers insights into the mechanism of apocrine secretion and the origin of prostasomes. <i>Scientific Reports</i> , 2019, 9, 4582.	3.3	11
5	Standardization of complex biologically derived spectrochemical datasets. <i>Nature Protocols</i> , 2019, 14, 1546-1577.	12.0	96
6	Development of proteolytically stable N-methylated peptide inhibitors of aggregation of the amylin peptide implicated in type 2 diabetes. <i>Interface Focus</i> , 2017, 7, 20160127.	3.0	22
7	Diet-sourced carbon-based nanoparticles induce lipid alterations in tissues of zebrafish (<i>Danio</i>) Tj ETQq1 1 0.784314 rgBT/Overload	2.6	22
8	Retro-inverso peptide inhibitor nanoparticles as potent inhibitors of aggregation of the Alzheimer's $A\beta$ peptide. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017, 13, 723-732.	3.3	47
9	Immune Cells on the Corneal Endothelium of an Allogeneic Corneal Transplantation Rabbit Model. , 2017, 58, 242.		17
10	A Surgical Cryoprobe for Targeted Transcorneal Freezing and Endothelial Cell Removal. <i>Journal of Ophthalmology</i> , 2017, 2017, 1-11.	1.3	2
11	Development of functional human oral mucosal epithelial stem/progenitor cell sheets using a feeder-free and serum-free culture system for ocular surface reconstruction. <i>Scientific Reports</i> , 2016, 6, 37173.	3.3	21
12	Low-dose carbon-based nanoparticle-induced effects in A549 lung cells determined by biospectroscopy are associated with increases in genomic methylation. <i>Scientific Reports</i> , 2016, 6, 20207.	3.3	58
13	Using Raman spectroscopy to characterize biological materials. <i>Nature Protocols</i> , 2016, 11, 664-687.	12.0	833
14	Rho-Associated Kinase Inhibitor Eye Drop (Ripasudil) Transiently Alters the Morphology of Corneal Endothelial Cells. , 2015, 56, 7560.		40
15	Ocular Surface Reconstruction With a Tissue-Engineered Nasal Mucosal Epithelial Cell Sheet for the Treatment of Severe Ocular Surface Diseases. <i>Stem Cells Translational Medicine</i> , 2015, 4, 99-109.	3.3	18
16	Distinguishing nuclei-specific benzo[a]pyrene-induced effects from whole-cell alterations in MCF-7 cells using Fourier-transform infrared spectroscopy. <i>Toxicology</i> , 2015, 335, 27-34.	4.2	6
17	Gold nanoparticles as a substrate in bio-analytical near-infrared surface-enhanced Raman spectroscopy. <i>Analyst</i> , The, 2015, 140, 3090-3097.	3.5	30
18	Surface-Enhanced Raman Spectroscopy of the Endothelial Cell Membrane. <i>PLoS ONE</i> , 2014, 9, e106283.	2.5	19

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19	Infrared microspectroscopy identifies biomolecular changes associated with chronic oxidative stress in mammary epithelium and stroma of breast tissues from healthy young women. <i>Cancer Biology and Therapy</i> , 2014, 15, 225-235.	3.4	21
20	Using Fourier transform IR spectroscopy to analyze biological materials. <i>Nature Protocols</i> , 2014, 9, 1771-1791.	12.0	1,385
21	Sub-cellular spectrochemical imaging of isolated human corneal cells employing synchrotron radiation-based Fourier-transform infrared microspectroscopy. <i>Analyst</i> , The, 2013, 138, 240-248.	3.5	20
22	The Syrian hamster embryo (SHE) assay (pH 6.7): mechanisms of cell transformation and application of vibrational spectroscopy to objectively score endpoint alterations. <i>Mutagenesis</i> , 2012, 27, 257-266.	2.6	9
23	Combining Immunolabeling and Surface-Enhanced Raman Spectroscopy on Cell Membranes. <i>ACS Nano</i> , 2011, 5, 9535-9541.	14.6	59
24	Imaging sclera with hard X-ray microscopy. <i>Micron</i> , 2011, 42, 506-511.	2.2	8
25	Distinguishing cell types or populations based on the computational analysis of their infrared spectra. <i>Nature Protocols</i> , 2010, 5, 1748-1760.	12.0	294
26	Microspectroscopy of spectral biomarkers associated with human corneal stem cells. <i>Molecular Vision</i> , 2010, 16, 359-68.	1.1	31
27	Sub-micron poly(N-isopropylacrylamide) particles as temperature responsive vehicles for the detachment and delivery of human cells. <i>Soft Matter</i> , 2009, 5, 4928.	2.7	28
28	Microscopy for Life Scientists. <i>Science</i> , 2008, 321, 1445-1445.	12.6	1
29	Targeted Cornea Limbal Stem/Progenitor Cell Transfection in an Organ Culture Model. , 2008, 49, 3395.		23
30	Raman vs. Fourier transform spectroscopy in diagnostic medicine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, E1.	7.1	8
31	CYP1B1 expression in prostate is higher in the peripheral than in the transition zone. <i>Cancer Letters</i> , 2004, 215, 69-78.	7.2	55
32	Keratan sulphate in the trabecular meshwork and cornea. <i>Current Eye Research</i> , 1997, 16, 677-686.	1.5	13
33	Atomic force microscopy of the cornea and sclera. <i>Current Eye Research</i> , 1995, 14, 529-535.	1.5	50
34	An Ultrastructural, Time-resolved Study of Freezing in the Corneal Stroma. <i>Journal of Molecular Biology</i> , 1994, 236, 749-758.	4.2	31
35	Synchrotron X-ray diffraction and histochemical studies of normal and myopic chick eyes. <i>Tissue and Cell</i> , 1993, 25, 73-85.	2.2	3