

Paul Bassan

List of Publications by Year in descending order

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16
papers

2,844
citations

567144

15
h-index

940416

16
g-index

16
all docs

16
docs citations

16
times ranked

2987
citing authors

#	ARTICLE	IF	CITATIONS
1	Using Fourier transform IR spectroscopy to analyze biological materials. <i>Nature Protocols</i> , 2014, 9, 1771-1791.	5.5	1,385
2	Resonant Mie Scattering (RMieS) correction of infrared spectra from highly scattering biological samples. <i>Analyst, The</i> , 2010, 135, 268-277.	1.7	332
3	Resonant Mie scattering in infrared spectroscopy of biological materials – understanding the “dispersion artefact”. <i>Analyst, The</i> , 2009, 134, 1586.	1.7	276
4	The inherent problem of transflection-mode infrared spectroscopic microscopy and the ramifications for biomedical single point and imaging applications. <i>Analyst, The</i> , 2013, 138, 144-157.	1.7	119
5	Reflection contributions to the dispersion artefact in FTIR spectra of single biological cells. <i>Analyst, The</i> , 2009, 134, 1171.	1.7	118
6	FTIR microscopy of biological cells and tissue: data analysis using resonant Mie scattering (RMieS) EMSC algorithm. <i>Analyst, The</i> , 2012, 137, 1370.	1.7	117
7	RMieS+EMSC correction for infrared spectra of biological cells: Extension using full Mie theory and GPU computing. <i>Journal of Biophotonics</i> , 2010, 3, 609-620.	1.1	116
8	Large scale infrared imaging of tissue micro arrays (TMAs) using a tunable Quantum Cascade Laser (QCL) based microscope. <i>Analyst, The</i> , 2014, 139, 3856-3859.	1.7	114
9	Synchrotron FTIR analysis of drug treated ovarian A2780 cells: an ability to differentiate cell response to different drugs?. <i>Analyst, The</i> , 2011, 136, 498-507.	1.7	57
10	Transmission FT-IR Chemical Imaging on Glass Substrates: Applications in Infrared Spectral Histopathology. <i>Analytical Chemistry</i> , 2014, 86, 1648-1653.	3.2	56
11	SR-FTIR spectroscopy of renal epithelial carcinoma side population cells displaying stem cell-like characteristics. <i>Analyst, The</i> , 2010, 135, 3133.	1.7	44
12	Comparison of transmission and transmittance mode FTIR imaging of biological tissue. <i>Analyst, The</i> , 2015, 140, 2383-2392.	1.7	28
13	Substrate contributions in micro-ATR of thin samples: implications for analysis of cells, tissue and biological fluids. <i>Analyst, The</i> , 2013, 138, 4139.	1.7	25
14	The action of all-trans-retinoic acid (ATRA) and synthetic retinoid analogues (EC19 and EC23) on human pluripotent stem cells differentiation investigated using single cell infrared microspectroscopy. <i>Molecular BioSystems</i> , 2013, 9, 677.	2.9	25
15	Whole organ cross-section chemical imaging using label-free mega-mosaic FTIR microscopy. <i>Analyst, The</i> , 2013, 138, 7066.	1.7	24
16	Automated high-throughput assessment of prostate biopsy tissue using infrared spectroscopic chemical imaging. <i>Proceedings of SPIE</i> , 2014, , .	0.8	8