

# Paul Bassan

## 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.

16  
papers

2,264  
citations

15  
h-index

16  
g-index

16  
ext. papers

2,590  
ext. citations

5.9  
avg, IF

4.12  
L-index

#	Paper	IF	Citations
16	Using Fourier transform IR spectroscopy to analyze biological materials. <i>Nature Protocols</i> , <b>2014</b> , 9, 1771-78	28.8	977
15	Resonant Mie scattering (RMieS) correction of infrared spectra from highly scattering biological samples. <i>Analyst, The</i> , <b>2010</b> , 135, 268-77	5	283
14	Resonant Mie scattering in infrared spectroscopy of biological materials--understanding the dispersion artefact. <i>Analyst, The</i> , <b>2009</b> , 134, 1586-93	5	242
13	The inherent problem of transflection-mode infrared spectroscopic microscopy and the ramifications for biomedical single point and imaging applications. <i>Analyst, The</i> , <b>2013</b> , 138, 144-57	5	114
12	Reflection contributions to the dispersion artefact in FTIR spectra of single biological cells. <i>Analyst, The</i> , <b>2009</b> , 134, 1171-5	5	109
11	FTIR microscopy of biological cells and tissue: data analysis using resonant Mie scattering (RMieS) EMSC algorithm. <i>Analyst, The</i> , <b>2012</b> , 137, 1370-7	5	108
10	RMieS-EMSC correction for infrared spectra of biological cells: extension using full Mie theory and GPU computing. <i>Journal of Biophotonics</i> , <b>2010</b> , 3, 609-20	3.1	105
9	Large scale infrared imaging of tissue micro arrays (TMAs) using a tunable Quantum Cascade Laser (QCL) based microscope. <i>Analyst, The</i> , <b>2014</b> , 139, 3856-9	5	99
8	Synchrotron FTIR analysis of drug treated ovarian A2780 cells: an ability to differentiate cell response to different drugs?. <i>Analyst, The</i> , <b>2011</b> , 136, 498-507	5	50
7	Transmission FT-IR chemical imaging on glass substrates: applications in infrared spectral histopathology. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 1648-53	7.8	42
6	SR-FTIR spectroscopy of renal epithelial carcinoma side population cells displaying stem cell-like characteristics. <i>Analyst, The</i> , <b>2010</b> , 135, 3133-41	5	39
5	Comparison of transmission and transflectance mode FTIR imaging of biological tissue. <i>Analyst, The</i> , <b>2015</b> , 140, 2383-92	5	24
4	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> , <b>2013</b> , 9, 677-92		22
3	Whole organ cross-section chemical imaging using label-free mega-mosaic FTIR microscopy. <i>Analyst, The</i> , <b>2013</b> , 138, 7066-9	5	22
2	Substrate contributions in micro-ATR of thin samples: implications for analysis of cells, tissue and biological fluids. <i>Analyst, The</i> , <b>2013</b> , 138, 4139-46	5	21
1	Automated high-throughput assessment of prostate biopsy tissue using infrared spectroscopic chemical imaging <b>2014</b> ,		7