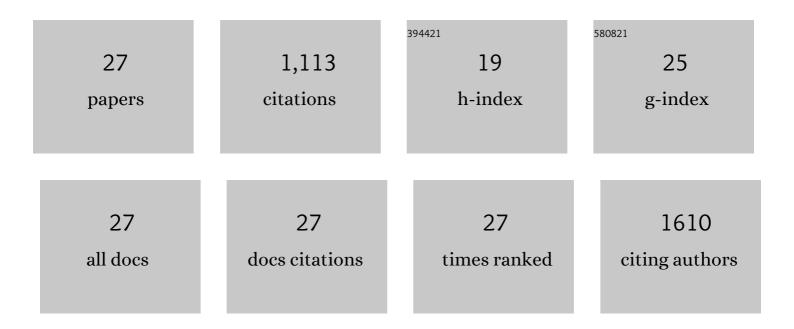
Imran I Patel

List of Publications by Year in descending order

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Ιμαλνί Ι Φλτει

#	Article	IF	CITATIONS
1	Distinguishing cell types or populations based on the computational analysis of their infrared spectra. Nature Protocols, 2010, 5, 1748-1760.	12.0	294
2	Diagnostic segregation of human brain tumours using Fourier-transform infrared and/or Raman spectroscopy coupled with discriminant analysis. Analytical Methods, 2013, 5, 89-102.	2.7	140
3	Gold nanoparticles explore cells: Cellular uptake and their use as intracellular probes. Methods, 2014, 68, 354-363.	3.8	62
4	Combining Immunolabeling and Surface-Enhanced Raman Spectroscopy on Cell Membranes. ACS Nano, 2011, 5, 9535-9541.	14.6	59
5	Concentration-dependent effects of carbon nanoparticles in gram-negative bacteria determined by infrared spectroscopy with multivariate analysis. Environmental Pollution, 2012, 163, 226-234.	7.5	59
6	Segregation of human prostate tissues classified high-risk (UK) versus low-risk (India) for adenocarcinoma using Fourier-transform infrared or Raman microspectroscopy coupled with discriminant analysis. Analytical and Bioanalytical Chemistry, 2011, 401, 969-982.	3.7	58
7	Syrian hamster embryo (SHE) assay (pH 6.7) coupled with infrared spectroscopy and chemometrics towards toxicological assessment. Analyst, The, 2010, 135, 3266.	3.5	49
8	High contrast images of uterine tissue derived using Raman microspectroscopy with the empty modelling approach of multivariate curve resolution-alternating least squares. Analyst, The, 2011, 136, 4950.	3.5	49
9	Discrimination of zone-specific spectral signatures in normal human prostate using Raman spectroscopy. Analyst, The, 2010, 135, 3060.	3.5	44
10	Constitutive expression of bioactivating enzymes in normal human prostate suggests a capability to activate proâ€carcinogens to DNAâ€damaging metabolites. Prostate, 2010, 70, 1586-1599.	2.3	35
11	Biospectroscopy insights into the multi-stage process of cervical cancer development: probing for spectral biomarkers in cytology to distinguish grades. Analyst, The, 2013, 138, 3909.	3.5	35
12	Isolating stem cells in the inter-follicular epidermis employing synchrotron radiation-based Fourier-transform infrared microspectroscopy and focal plane array imaging. Analytical and Bioanalytical Chemistry, 2012, 404, 1745-1758.	3.7	26
13	Coherent anti-Stokes Raman scattering for label-free biomedical imaging. Journal of Optics (United) Tj ETQq1 1 (0.784314 2.2	rgBT /Overlo 21
14	Infrared microspectroscopy identifies biomolecular changes associated with chronic oxidative stress in mammary epithelium and stroma of breast tissues from healthy young women. Cancer Biology and Therapy, 2014, 15, 225-235.	3.4	21
15	Fingerprintâ€ŧoâ€CH stretch continuously tunable high spectral resolution stimulated Raman scattering microscope. Journal of Biophotonics, 2019, 12, e201900028.	2.3	21
16	Sub-cellular spectrochemical imaging of isolated human corneal cells employing synchrotron radiation-based Fourier-transform infrared microspectroscopy. Analyst, The, 2013, 138, 240-248.	3.5	20
17	Exploiting biospectroscopy as a novel screening tool for cervical cancer: towards a framework to validate its accuracy in a routine clinical setting. Bioanalysis, 2013, 5, 2697-2711.	1.5	20
18	Differential Effects in Mammalian Cells Induced by Chemical Mixtures in Environmental Biota As Profiled Using Infrared Spectroscopy. Environmental Science & Technology, 2011, 45, 10706-10712.	10.0	19

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#	Article	IF	CITATIONS
19	Surface-Enhanced Raman Spectroscopy of the Endothelial Cell Membrane. PLoS ONE, 2014, 9, e106283.	2.5	19
20	Infrared spectroscopy with multivariate analysis segregates low-grade cervical cytology based on likelihood to regress, remain static or progress. Analytical Methods, 2014, 6, 4576-4584.	2.7	17
21	Chemical Composition and Sulfur Speciation in Bulk Tissue by X-Ray Spectroscopy and X-Ray Microscopy: Corneal Development during Embryogenesis. Biophysical Journal, 2012, 103, 357-364.	0.5	12
22	Elevated Oestrogen Receptor Splice Variant ERαΔ5 Expression in Tumour-adjacent Hormone-responsive Tissue. International Journal of Environmental Research and Public Health, 2010, 7, 3871-3889.	2.6	10
23	Alterations in the Biomolecular Signatures of Developing Chick Corneas as Determined by Biospectroscopy and Multivariate Analysis. , 2012, 53, 1162.		8
24	Determination Using Synchrotron Radiation-Based Fourier Transform Infrared Microspectroscopy of Putative Stem Cells in Human Adenocarcinoma of the Intestine: Corresponding Benign Tissue as a Template. Applied Spectroscopy, 2014, 68, 812-822.	2.2	7
25	Classification of test agent-specific effects in the Syrian hamster embryo assay (pH 6.7) using infrared spectroscopy with computational analysis. Mutagenesis, 2012, 27, 375-382.	2.6	6
26	Spatial and temporal age-related spectral alterations in benign human breast tissue. Journal of Molecular Structure, 2016, 1106, 390-398.	3.6	1
27	Quantum cascade laser infrared spectroscopy of single cancer cells. , 2017, , .		1