

Holly J Butler

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6696492/publications.pdf>

Version: 2024-02-01

29
papers

3,197
citations

394421

19
h-index

501196

28
g-index

29
all docs

29
docs citations

29
times ranked

4541
citing authors

#	ARTICLE	IF	CITATIONS
1	Using Fourier transform IR spectroscopy to analyze biological materials. <i>Nature Protocols</i> , 2014, 9, 1771-1791.	12.0	1,385
2	Using Raman spectroscopy to characterize biological materials. <i>Nature Protocols</i> , 2016, 11, 664-687.	12.0	833
3	Development of high-throughput ATR-FTIR technology for rapid triage of brain cancer. <i>Nature Communications</i> , 2019, 10, 4501.	12.8	122
4	Aluminium foil as a potential substrate for ATR-FTIR, transfection FTIR or Raman spectrochemical analysis of biological specimens. <i>Analytical Methods</i> , 2016, 8, 481-487.	2.7	99
5	Biofluid diagnostics by FTIR spectroscopy: A platform technology for cancer detection. <i>Cancer Letters</i> , 2020, 477, 122-130.	7.2	83
6	Biofluid spectroscopic disease diagnostics: A review on the processes and spectral impact of drying. <i>Journal of Biophotonics</i> , 2018, 11, e201700299.	2.3	69
7	Application of vibrational spectroscopy techniques to non-destructively monitor plant health and development. <i>Analytical Methods</i> , 2015, 7, 4059-4070.	2.7	63
8	4-Nonylphenol induces disruption of spermatogenesis associated with oxidative stress-related apoptosis by targeting p53-Bcl-2/Bax-Fas/FasL signaling. <i>Environmental Toxicology</i> , 2017, 32, 739-753.	4.0	44
9	Effects of 4-nonylphenol on spermatogenesis and induction of testicular apoptosis through oxidative stress-related pathways. <i>Reproductive Toxicology</i> , 2016, 62, 27-38.	2.9	43
10	Optimised spectral pre-processing for discrimination of biofluids via ATR-FTIR spectroscopy. <i>Analyst, The</i> , 2018, 143, 6121-6134.	3.5	42
11	Health economic evaluation of a serum-based blood test for brain tumour diagnosis: exploration of two clinical scenarios. <i>BMJ Open</i> , 2018, 8, e017593.	1.9	40
12	Enabling quantification of protein concentration in human serum biopsies using attenuated total reflectance Fourier transform infrared (ATR-FTIR) spectroscopy. <i>Vibrational Spectroscopy</i> , 2018, 99, 50-58.	2.2	37
13	Developing infrared spectroscopic detection for stratifying brain tumour patients: glioblastoma multiforme vs. lymphoma. <i>Analyst, The</i> , 2019, 144, 6736-6750.	3.5	37
14	Shining a light on clinical spectroscopy: Translation of diagnostic IR, 2D-IR and Raman spectroscopy towards the clinic. <i>Clinical Spectroscopy</i> , 2019, 1, 100003.	1.3	36
15	Gold nanoparticles as a substrate in bio-analytical near-infrared surface-enhanced Raman spectroscopy. <i>Analyst, The</i> , 2015, 140, 3090-3097.	3.5	30
16	Fourier transform infrared spectroscopy of biofluids: A practical approach. <i>Translational Biophotonics</i> , 2021, 3, e202000025.	2.7	26
17	Feature driven classification of Raman spectra for real-time spectral brain tumour diagnosis using sound. <i>Analyst, The</i> , 2017, 142, 98-109.	3.5	25
18	Stratifying Brain Tumour Histological Sub-Types: The Application of ATR-FTIR Serum Spectroscopy in Secondary Care. <i>Cancers</i> , 2020, 12, 1710.	3.7	24

#	ARTICLE	IF	CITATIONS
19	Rapid Spectroscopic Liquid Biopsy for the Universal Detection of Brain Tumours. <i>Cancers</i> , 2021, 13, 3851.	3.7	22
20	Spectrochemical analysis of sycamore (<i>Acer pseudoplatanus</i>) leaves for environmental health monitoring. <i>Analyst</i> , 2016, 141, 2896-2903.	3.5	21
21	Detecting nutrient deficiency in plant systems using synchrotron Fourier-transform infrared microspectroscopy. <i>Vibrational Spectroscopy</i> , 2017, 90, 46-55.	2.2	19
22	Early diagnosis of brain tumours using a novel spectroscopic liquid biopsy. <i>Brain Communications</i> , 2021, 3, fcab056.	3.3	19
23	Rapid analysis of disease state in liquid human serum combining infrared spectroscopy and digital drying. <i>Journal of Biophotonics</i> , 2020, 13, e202000118.	2.3	18
24	Interrogation of IDH1 Status in Gliomas by Fourier Transform Infrared Spectroscopy. <i>Cancers</i> , 2020, 12, 3682.	3.7	12
25	Exploring pre-analytical factors for the optimisation of serum diagnostics: Progressing the clinical utility of ATR-FTIR spectroscopy. <i>Vibrational Spectroscopy</i> , 2020, 109, 103092.	2.2	12
26	Early economic evaluation to guide the development of a spectroscopic liquid biopsy for the detection of brain cancer. <i>International Journal of Technology Assessment in Health Care</i> , 2021, 37, e41.	0.5	12
27	Clinical validation of a spectroscopic liquid biopsy for earlier detection of brain cancer. <i>Neuro-Oncology Advances</i> , 2022, 4, vda024.	0.7	12
28	Observation of nutrient uptake at the adaxial surface of leaves of tomato (<i>Solanum</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50,382 Td (ly 1.8		6
29	Vibrational spectroscopic analysis and quantification of proteins in human blood plasma and serum. , 2020, , 269-314.		6