

Lauren E Jamieson

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6700464/publications.pdf>

Version: 2024-02-01

29
papers

1,260
citations

430874

18
h-index

477307

29
g-index

30
all docs

30
docs citations

30
times ranked

2384
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Surface-enhanced Raman spectroscopy for in vivo biosensing. <i>Nature Reviews Chemistry</i> , 2017, 1, . | 30.2 | 325 |
| 2 | SERS Detection of Multiple Antimicrobial-Resistant Pathogens Using Nanosensors. <i>Analytical Chemistry</i> , 2017, 89, 12666-12673. | 6.5 | 170 |
| 3 | 2,4-dienoyl-CoA reductase regulates lipid homeostasis in treatment-resistant prostate cancer. <i>Nature Communications</i> , 2020, 11, 2508. | 12.8 | 108 |
| 4 | SERS-based monitoring of the intracellular pH in endothelial cells: the influence of the extracellular environment and tumour necrosis factor- α . <i>Analyst</i> , The, 2015, 140, 2321-2329. | 3.5 | 72 |
| 5 | Bioanalytical Measurements Enabled by Surface-Enhanced Raman Scattering (SERS) Probes. <i>Annual Review of Analytical Chemistry</i> , 2017, 10, 415-437. | 5.4 | 71 |
| 6 | High-resolution solid-state ^{13}C NMR spectroscopy of the paramagnetic metal-organic frameworks, STAM-1 and HKUST-1. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 919-929. | 2.8 | 64 |
| 7 | Through tissue imaging of a live breast cancer tumour model using handheld surface enhanced spatially offset resonance Raman spectroscopy (SESORRS). <i>Chemical Science</i> , 2018, 9, 3788-3792. | 7.4 | 45 |
| 8 | Vibrational spectroscopy as a tool for studying drug-cell interaction: Could high throughput vibrational spectroscopic screening improve drug development?. <i>Vibrational Spectroscopy</i> , 2017, 91, 16-30. | 2.2 | 44 |
| 9 | Ratiometric analysis using Raman spectroscopy as a powerful predictor of structural properties of fatty acids. <i>Royal Society Open Science</i> , 2018, 5, 181483. | 2.4 | 43 |
| 10 | Tracking intracellular uptake and localisation of alkyne tagged fatty acids using Raman spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 197, 30-36. | 3.9 | 29 |
| 11 | A new class of ratiometric small molecule intracellular pH sensors for Raman microscopy. <i>Analyst</i> , The, 2020, 145, 5289-5298. | 3.5 | 27 |
| 12 | Multiplex imaging of live breast cancer tumour models through tissue using handheld surface enhanced spatially offset resonance Raman spectroscopy (SESORRS). <i>Chemical Communications</i> , 2018, 54, 8530-8533. | 4.1 | 26 |
| 13 | Lymphomas driven by Epstein-Barr virus nuclear antigen-1 (EBNA1) are dependant upon Mdm2. <i>Oncogene</i> , 2018, 37, 3998-4012. | 5.9 | 25 |
| 14 | Targeted SERS nanosensors measure physicochemical gradients and free energy changes in live 3D tumor spheroids. <i>Nanoscale</i> , 2016, 8, 16710-16718. | 5.6 | 23 |
| 15 | Surface enhanced resonance Raman spectroscopy (SERRS) for probing through plastic and tissue barriers using a handheld spectrometer. <i>Analyst</i> , The, 2018, 143, 5965-5973. | 3.5 | 23 |
| 16 | SERS in biology/biomedical SERS: general discussion. <i>Faraday Discussions</i> , 2017, 205, 429-456. | 3.2 | 22 |
| 17 | Ratiometric Raman imaging reveals the new anti-cancer potential of lipid targeting drugs. <i>Chemical Science</i> , 2018, 9, 6935-6943. | 7.4 | 19 |
| 18 | Through barrier detection of ethanol using handheld Raman spectroscopy—Conventional Raman versus spatially offset Raman spectroscopy (SORS). <i>Journal of Raman Spectroscopy</i> , 2017, 48, 1828-1838. | 2.5 | 18 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | NMR chemical shifts of urea loaded copper benzoate. A joint solid-state NMR and DFT study. Solid State Nuclear Magnetic Resonance, 2019, 101, 31-37. | 2.3 | 17 |
| 20 | Analytical SERS: general discussion. Faraday Discussions, 2017, 205, 561-600. | 3.2 | 14 |
| 21 | THEM6-mediated reprogramming of lipid metabolism supports treatment resistance in prostate cancer. EMBO Molecular Medicine, 2022, 14, e14764. | 6.9 | 12 |
| 22 | Biofluids and other techniques: general discussion. Faraday Discussions, 2016, 187, 575-601. | 3.2 | 11 |
| 23 | Ultrasensitive and towards single molecule SERS: general discussion. Faraday Discussions, 2017, 205, 291-330. | 3.2 | 11 |
| 24 | Towards establishing a minimal nanoparticle concentration for applications involving surface enhanced spatially offset resonance Raman spectroscopy (SESORRS) <i>in vivo</i> . Analyst, The, 2018, 143, 5358-5363. | 3.5 | 10 |
| 25 | SERS as a tool for <i>in vitro</i> toxicology. Faraday Discussions, 2016, 187, 501-520. | 3.2 | 7 |
| 26 | Noninvasive Detection of Ischemic Vascular Damage in a Pig Model of Liver Donation After Circulatory Death. Hepatology, 2021, 74, 428-443. | 7.3 | 7 |
| 27 | Raman spectroscopic analysis of skin as a diagnostic tool for Human African Trypanosomiasis. PLoS Pathogens, 2021, 17, e1010060. | 4.7 | 7 |
| 28 | Raman spectroscopy investigation of biochemical changes in tumor spheroids with aging and after treatment with staurosporine. Journal of Biophotonics, 2019, 12, e201800201. | 2.3 | 6 |
| 29 | Single cell analysis/data handling: general discussion. Faraday Discussions, 2016, 187, 299-327. | 3.2 | 4 |