

Philip Heraud

List of Publications by Year in descending order

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33
papers

1,176
citations

586496

16
h-index

445137

33
g-index

35
all docs

35
docs citations

35
times ranked

2007
citing authors

#	ARTICLE	IF	CITATIONS
1	Visible microspectrophotometry coupled with machine learning to discriminate the erythrocytic life cycle stages of <i>P. falciparum</i> malaria parasites in functional single cells. <i>Analyst</i> , The, 2022, 147, 2662-2670.	1.7	2
2	A Near-Infrared "Matchbox Size" Spectrometer to Detect and Quantify Malaria Parasitemia. <i>Analytical Chemistry</i> , 2021, 93, 5451-5458.	3.2	15
3	Infrared Based Saliva Screening Test for COVID-19. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 17102-17107.	7.2	42
4	Infrared Based Saliva Screening Test for COVID-19. <i>Angewandte Chemie</i> , 2021, 133, 17239-17244.	1.6	15
5	Ultraviolet/Visible and Near-Infrared Dual Spectroscopic Method for Detection and Quantification of Low-Level Malaria Parasitemia in Whole Blood. <i>Analytical Chemistry</i> , 2021, 93, 13302-13310.	3.2	13
6	Comment on Ultrarapid On-Site Detection of SARS-CoV-2 Infection Using Simple ATR-FTIR Spectroscopy and an Analysis Algorithm: High Sensitivity and Specificity. <i>Analytical Chemistry</i> , 2021, 93, 16974-16976.	3.2	2
7	Vibrational Spectroscopic Based Approach for Diagnosing <i>Babesia bovis</i> Infection. <i>Analytical Chemistry</i> , 2020, 92, 8784-8792.	3.2	2
8	Rapid Approach for Detection of Antibiotic Resistance in Bacteria Using Vibrational Spectroscopy. <i>Analytical Chemistry</i> , 2020, 92, 8235-8243.	3.2	13
9	Vibrational Spectroscopy as a Sensitive Probe for the Chemistry of Intra-Phase Bacterial Growth. <i>Sensors</i> , 2020, 20, 3452.	2.1	16
10	Attenuated total reflection: Fourier transform infrared spectroscopy for detection of heterogeneous vancomycin-intermediate <i>Staphylococcus aureus</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2020, 36, 22.	1.7	15
11	Influence of the Sample Preparation Method in Discriminating <i>Candida</i> spp. Using ATR-FTIR Spectroscopy. <i>Molecules</i> , 2020, 25, 1551.	1.7	13
12	Atomic Force Microscopy Combined with Infrared Spectroscopy as a Tool to Probe Single Bacterium Chemistry. <i>Journal of Visualized Experiments</i> , 2020, , .	0.2	4
13	Infrared spectroscopy coupled to cloud-based data management as a tool to diagnose malaria: a pilot study in a malaria-endemic country. <i>Malaria Journal</i> , 2019, 18, 348.	0.8	41
14	Classification of aggressive and classic mantle cell lymphomas using synchrotron Fourier Transform Infrared microspectroscopy. <i>Scientific Reports</i> , 2019, 9, 12857.	1.6	11
15	Synchrotron macro ATR-FTIR microspectroscopy for high-resolution chemical mapping of single cells. <i>Analyst</i> , The, 2019, 144, 3226-3238.	1.7	74
16	Parasites under the Spotlight: Applications of Vibrational Spectroscopy to Malaria Research. <i>Chemical Reviews</i> , 2018, 118, 5330-5358.	23.0	40
17	Label-free Raman hyperspectral imaging analysis localizes the cyanogenic glucoside dhurrin to the cytoplasm in sorghum cells. <i>Scientific Reports</i> , 2018, 8, 2691.	1.6	22
18	<i>In vivo</i> atomic force microscopy-infrared spectroscopy of bacteria. <i>Journal of the Royal Society Interface</i> , 2018, 15, 20180115.	1.5	60

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19	Detection and Quantification of <i>Plasmodium falciparum</i> in Aqueous Red Blood Cells by Attenuated Total Reflection Infrared Spectroscopy and Multivariate Data Analysis. <i>Journal of Visualized Experiments</i> , 2018, , .	0.2	1
20	Application of Vibrational Spectroscopy and Imaging to Point-of-Care Medicine: A Review. <i>Applied Spectroscopy</i> , 2018, 72, 52-84.	1.2	75
21	Amyloid-beta-dependent phosphorylation of collapsin response mediator protein-2 dissociates kinesin in Alzheimer's disease. <i>Neural Regeneration Research</i> , 2018, 13, 1066.	1.6	17
22	Characterisation of Pb-induced changes and prediction of Pb exposure in microalgae using infrared spectroscopy. <i>Aquatic Toxicology</i> , 2017, 188, 33-42.	1.9	29
23	Label-free in vivo Raman microspectroscopic imaging of the macromolecular architecture of oocytes. <i>Scientific Reports</i> , 2017, 7, 8945.	1.6	28
24	Effect of Chromatin-Remodeling Agents in Hepatic Differentiation of Rat Bone Marrow-Derived Mesenchymal Stem Cells In Vitro and In Vivo. <i>Stem Cells International</i> , 2016, 2016, 1-11.	1.2	8
25	Snapshot prediction of carbon productivity, carbon and protein content in a Southern Ocean diatom using FTIR spectroscopy. <i>ISME Journal</i> , 2016, 10, 416-426.	4.4	24
26	Synchrotron-FTIR Microspectroscopy Enables the Distinction of Lipid Accumulation in <i>Thraustochytrid</i> Strains Through Analysis of Individual Live Cells. <i>Protist</i> , 2015, 166, 106-121.	0.6	10
27	Rapid Determination of Protein Contents in Microencapsulated Fish Oil Supplements by ATR-FTIR Spectroscopy and Partial Least Square Regression (PLSR) Analysis. <i>Food and Bioprocess Technology</i> , 2014, 7, 265-277.	2.6	33
28	Rapid Discrimination and Determination of Polyunsaturated Fatty Acid Composition in Marine Oils by FTIR Spectroscopy and Multivariate Data Analysis. <i>Food and Bioprocess Technology</i> , 2014, 7, 2410-2422.	2.6	51
29	Discrimination of micromass-induced chondrocytes from human mesenchymal stem cells by focal plane array-Fourier transform infrared microspectroscopy. <i>Talanta</i> , 2014, 130, 39-48.	2.9	8
30	INTERCOLONIAL VARIABILITY IN MACROMOLECULAR COMPOSITION IN <i>SCENEDESMUS</i> POPULATIONS REVEALED BY INFRARED MICROSCOPY. <i>Journal of Phycology</i> , 2008, 44, 1335-1339.	1.0	29
31	<i>In vivo</i> prediction of the nutrient status of individual microalgal cells using Raman microspectroscopy. <i>FEMS Microbiology Letters</i> , 2007, 275, 24-30.	0.7	93
32	Mapping of nutrient-induced biochemical changes in living algal cells using synchrotron infrared microspectroscopy. <i>FEMS Microbiology Letters</i> , 2005, 249, 219-225.	0.7	112
33	FOURIER TRANSFORM INFRARED SPECTROSCOPY AS A NOVEL TOOL TO INVESTIGATE CHANGES IN INTRACELLULAR MACROMOLECULAR POOLS IN THE MARINE MICROALGA <i>CHAETOCEROS MUELLERII</i> (BACILLARIOPHYCEAE). <i>Journal of Phycology</i> , 2001, 37, 271-279.	1.0	258