

ValÃ©rie Untereiner

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

960
citations

430874

18
h-index

434195

31
g-index

37
all docs

37
docs citations

37
times ranked

1538
citing authors

#	ARTICLE	IF	CITATIONS
1	Developing and understanding biofluid vibrational spectroscopy: a critical review. <i>Chemical Society Reviews</i> , 2016, 45, 1803-1818.	38.1	243
2	Vibrational spectroscopy differentiates between multipotent and pluripotent stem cells. <i>Analyst, The</i> , 2010, 135, 3126.	3.5	52
3	Surface Enhanced Raman Spectroscopy for Quantitative Analysis: Results of a Large-Scale European Multi-Instrument Interlaboratory Study. <i>Analytical Chemistry</i> , 2020, 92, 4053-4064.	6.5	50
4	Synchrotron-based FTIR spectra of stained single cells. Towards a clinical application in pathology. <i>Laboratory Investigation</i> , 2010, 90, 797-807.	3.7	46
5	Infrared spectral imaging as a novel approach for histopathological recognition in colon cancer diagnosis. <i>Journal of Biomedical Optics</i> , 2012, 17, 116013.	2.6	41
6	Investigating optimum sample preparation for infrared spectroscopic serum diagnostics. <i>Analytical Methods</i> , 2015, 7, 7140-7149.	2.7	40
7	Probing non-enzymatic glycation of type I collagen: A novel approach using Raman and infrared biophotonic methods. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013, 1830, 3525-3531.	2.4	39
8	Bile analysis using high-throughput FTIR spectroscopy for the diagnosis of malignant biliary strictures: a pilot study in 57 patients. <i>Journal of Biophotonics</i> , 2014, 7, 241-253.	2.3	34
9	Profiling serologic biomarkers in cirrhotic patients via high-throughput Fourier transform infrared spectroscopy: toward a new diagnostic tool of hepatocellular carcinoma. <i>Translational Research</i> , 2013, 162, 279-286.	5.0	33
10	Lumican delays melanoma growth in mice and drives tumor molecular assembly as well as response to matrix-targeted TAX2 therapeutic peptide. <i>Scientific Reports</i> , 2017, 7, 7700.	3.3	31
11	Rapid screening of classic galactosemia patients: a proof-of-concept study using high-throughput FTIR analysis of plasma. <i>Analyst, The</i> , 2015, 140, 2280-2286.	3.5	29
12	Demonstration of the Protein Involvement in Cell Electropermeabilization using Confocal Raman Microspectroscopy. <i>Scientific Reports</i> , 2017, 7, 40448.	3.3	27
13	Glycosaminoglycan profiling in different cell types using infrared spectroscopy and imaging. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 5795-5803.	3.7	25
14	Raman spectroscopy-based insight into lipid droplets presence and contents in liver sinusoidal endothelial cells and hepatocytes. <i>Journal of Biophotonics</i> , 2019, 12, e201800290.	2.3	24
15	Vibrational Spectroscopy Saliva Profiling as Biometric Tool for Disease Diagnostics: A Systematic Literature Review. <i>Molecules</i> , 2020, 25, 4142.	3.8	24
16	Monitoring Radiotherapeutic Response in Prostate Cancer Patients Using High Throughput FTIR Spectroscopy of Liquid Biopsies. <i>Cancers</i> , 2019, 11, 925.	3.7	22
17	Diagnosis approach of chronic lymphocytic leukemia on unstained blood smears using Raman microspectroscopy and supervised classification. <i>Analyst, The</i> , 2015, 140, 4465-4472.	3.5	20
18	Shedding light on confounding factors likely to affect salivary infrared biosignatures. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 2283-2290.	3.7	19

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19	HS2ST1â€dependent signaling pathways determine breast cancer cell viability, matrix interactions, and invasive behavior. <i>Cancer Science</i> , 2020, 111, 2907-2922.	3.9	19
20	Digital de-waxing on FTIR images. <i>Analyst, The</i> , 2017, 142, 1358-1370.	3.5	18
21	Characterization of inflammatory breast cancer: a vibrational microspectroscopy and imaging approach at the cellular and tissue level. <i>Analyst, The</i> , 2018, 143, 6103-6112.	3.5	18
22	Optical diagnosis of peritoneal metastases by infrared microscopic imaging. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 393, 1619-1627.	3.7	17
23	Implementation of infrared and Raman modalities for glycosaminoglycan characterization in complex systems. <i>Glycoconjugate Journal</i> , 2017, 34, 309-323.	2.7	15
24	Investigating preâ€analytical requirements for serum and plasma based infrared spectroâ€diagnostic. <i>Journal of Biophotonics</i> , 2019, 12, e201900177.	2.3	14
25	Comprehensive Characterization of the Interaction between Pulsed Electric Fields and Live Cells by Confocal Raman Microspectroscopy. <i>Analytical Chemistry</i> , 2017, 89, 10790-10797.	6.5	11
26	Infrared Microspectroscopy and Imaging Analysis of Inflammatory and Non-Inflammatory Breast Cancer Cells and Their GAG Secretome. <i>Molecules</i> , 2020, 25, 4300.	3.8	9
27	Analysis of Hepatic Fibrosis Characteristics in Cirrhotic Patients with and without Hepatocellular Carcinoma by FTIR Spectral Imaging. <i>Molecules</i> , 2020, 25, 4092.	3.8	7
28	CFTR-deficient pigs display alterations of bone microarchitecture and composition at birth. <i>Journal of Cystic Fibrosis</i> , 2020, 19, 466-475.	0.7	6
29	Monitoring the molecular composition of live cells exposed to electric pulses via label-free optical methods. <i>Scientific Reports</i> , 2020, 10, 10471.	3.3	6
30	Label-Free Infrared Spectral Histology of Skin Tissue Part II: Impact of a Lumican-Derived Peptide on Melanoma Growth. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 377.	3.7	6
31	Effect of hemolysis on Fourier transform infrared and Raman spectra of blood plasma. <i>Journal of Biophotonics</i> , 2020, 13, e201960173.	2.3	5
32	Hair Histology and Glycosaminoglycans Distribution Probed by Infrared Spectral Imaging: Focus on Heparan Sulfate Proteoglycan and Glypican-1 during Hair Growth Cycle. <i>Biomolecules</i> , 2021, 11, 192.	4.0	5
33	Interference of hemolysis, hyperlipidemia, and icterus on plasma infrared spectral profile. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 805-810.	3.7	3
34	Label-Free Infrared Spectral Histology of Skin Tissue Part I: Impact of Lumican on Extracellular Matrix Integrity. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 320.	3.7	2
35	Sol-gel synthesis of 45S5 bioglass â€ Prosthetic coating by electrophoretic deposition. <i>MATEC Web of Conferences</i> , 2013, 7, 04018.	0.2	0
36	Assessment of Ovarian Tumor Growth in Wild-Type and Lumican-Deficient Mice: Insights Using Infrared Spectral Imaging, Histopathology, and Immunohistochemistry. <i>Cancers</i> , 2021, 13, 5950.	3.7	0

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37	Identification of Neoadjuvant Chemotherapy Response in Muscle-Invasive Bladder Cancer by Fourier-Transform Infrared Micro-Imaging. <i>Cancers</i> , 2022, 14, 21.	3.7	0