ValÃ©rie Untereiner

List of Publications by Year
in descending order

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	Identification of Neoadjuvant Chemotherapy Response in Muscle-Invasive Bladder Cancer by Fourier-Transform Infrared Micro-Imaging. Cancers, 2022, 14, 21.	3.7	0
2	Hair Histology and Glycosaminoglycans Distribution Probed by Infrared Spectral Imaging: Focus on Heparan Sulfate Proteoglycan and Glypican-1 during Hair Growth Cycle. Biomolecules, 2021, 11, 192.	4.0	5
3	Assessment of Ovarian Tumor Growth in Wild-Type and Lumican-Deficient Mice: Insights Using Infrared Spectral Imaging, Histopathology, and Immunohistochemistry. Cancers, 2021, 13, 5950.	3.7	0
4	CFTR-deficient pigs display alterations of bone microarchitecture and composition at birth. Journal of Cystic Fibrosis, 2020, 19, 466-475.	0.7	6
5	Interference of hemolysis, hyperlipidemia, and icterus on plasma infrared spectral profile. Analytical and Bioanalytical Chemistry, 2020, 412, 805-810.	3.7	3
6	Infrared Microspectroscopy and Imaging Analysis of Inflammatory and Non-Inflammatory Breast Cancer Cells and Their GAG Secretome. Molecules, 2020, 25, 4300.	3.8	9
7	HS2ST1â€dependent signaling pathways determine breast cancer cell viability, matrix interactions, and invasive behavior. Cancer Science, 2020, 111, 2907-2922.	3.9	19
8	Monitoring the molecular composition of live cells exposed to electric pulses via label-free optical methods. Scientific Reports, 2020, 10, 10471.	3.3	6
9	Vibrational Spectroscopy Saliva Profiling as Biometric Tool for Disease Diagnostics: A Systematic Literature Review. Molecules, 2020, 25, 4142.	3.8	24
10	Analysis of Hepatic Fibrosis Characteristics in Cirrhotic Patients with and without Hepatocellular Carcinoma by FTIR Spectral Imaging. Molecules, 2020, 25, 4092.	3.8	7
11	Label-Free Infrared Spectral Histology of Skin Tissue Part I: Impact of Lumican on Extracellular Matrix Integrity. Frontiers in Cell and Developmental Biology, 2020, 8, 320.	3.7	2
12	Label-Free Infrared Spectral Histology of Skin Tissue Part II: Impact of a Lumican-Derived Peptide on Melanoma Growth. Frontiers in Cell and Developmental Biology, 2020, 8, 377.	3.7	6
13	Effect of hemolysis on Fourier transform infrared and Raman spectra of blood plasma. Journal of Biophotonics, 2020, 13, e201960173.	2.3	5
14	Surface Enhanced Raman Spectroscopy for Quantitative Analysis: Results of a Large-Scale European Multi-Instrument Interlaboratory Study. Analytical Chemistry, 2020, 92, 4053-4064.	6.5	50
15	Investigating preâ€analytical requirements for serum and plasma based infrared spectroâ€diagnostic. Journal of Biophotonics, 2019, 12, e201900177.	2.3	14
16	Monitoring Radiotherapeutic Response in Prostate Cancer Patients Using High Throughput FTIR Spectroscopy of Liquid Biopsies. Cancers, 2019, 11, 925.	3.7	22
17	Shedding light on confounding factors likely to affect salivary infrared biosignatures. Analytical and Bioanalytical Chemistry, 2019, 411, 2283-2290.	3.7	19
18	Raman spectroscopyâ€“based insight into lipid droplets presence and contents in liver sinusoidal endothelial cells and hepatocytes. Journal of Biophotonics, 2019, 12, e201800290.	2.3	24

#	Article	IF	Citations
19	Characterization of inflammatory breast cancer: a vibrational microspectroscopy and imaging approach at the cellular and tissue level. Analyst, The, 2018, 143, 6103-6112.	3.5	18
20	Implementation of infrared and Raman modalities for glycosaminoglycan characterization in complex systems. Glycoconjugate Journal, 2017, 34, 309-323.	2.7	15
21	Digital de-waxing on FTIR images. Analyst, The, 2017, 142, 1358-1370.	3.5	18
22	Lumican delays melanoma growth in mice and drives tumor molecular assembly as well as response to matrix-targeted TAX2 therapeutic peptide. Scientific Reports, 2017, 7, 7700.	3.3	31
23	Comprehensive Characterization of the Interaction between Pulsed Electric Fields and Live Cells by Confocal Raman Microspectroscopy. Analytical Chemistry, 2017, 89, 10790-10797.	6.5	11
24	Demonstration of the Protein Involvement in Cell Electropermeabilization using Confocal Raman Microspectroscopy. Scientific Reports, 2017, 7, 40448.	3.3	27
25	Developing and understanding biofluid vibrational spectroscopy: a critical review. Chemical Society Reviews, 2016, 45, 1803-1818.	38.1	243
26	Diagnosis approach of chronic lymphocytic leukemia on unstained blood smears using Raman microspectroscopy and supervised classification. Analyst, The, 2015, 140, 4465-4472.	3.5	20
27	Rapid screening of classic galactosemia patients: a proof-of-concept study using high-throughput FTIR analysis of plasma. Analyst, The, 2015, 140, 2280-2286.	3.5	29
28	Investigating optimum sample preparation for infrared spectroscopic serum diagnostics. Analytical Methods, 2015, 7, 7140-7149.	2.7	40
29	Bile analysis using highâ€throughput FTIR spectroscopy for the diagnosis of malignant biliary strictures: a pilot study in 57 patients. Journal of Biophotonics, 2014, 7, 241-253.	2.3	34
30	Glycosaminoglycan profiling in different cell types using infrared spectroscopy and imaging. Analytical and Bioanalytical Chemistry, 2014, 406, 5795-5803.	3.7	25
31	Profiling serologic biomarkers in cirrhotic patients via high-throughput Fourier transform infrared spectroscopy: toward a new diagnostic tool of hepatocellular carcinoma. Translational Research, 2013, 162, 279-286.	5.0	33
32	Probing non-enzymatic glycation of type I collagen: A novel approach using Raman and infrared biophotonic methods. Biochimica Et Biophysica Acta - General Subjects, 2013, 1830, 3525-3531.	2.4	39
33	Sol-gel synthesis of 45S5 bioglass â€“ Prosthetic coating by electrophoretic deposition. MATEC Web of Conferences, 2013, 7, 04018.	0.2	0
34	Infrared spectral imaging as a novel approach for histopathological recognition in colon cancer diagnosis. Journal of Biomedical Optics, 2012, 17, 116013.	2.6	41
35	Synchrotron-based FTIR spectra of stained single cells. Towards a clinical application in pathology. Laboratory Investigation, 2010, 90, 797-807.	3.7	46
36	Vibrational spectroscopy differentiates between multipotent and pluripotent stem cells. Analyst, The, 2010, 135, 3126.	3.5	52

#	ARTICLE	IF	CITATIONS
37	Optical diagnosis of peritoneal metastases by infrared microscopic imaging. Analytical and Bioanalytical Chemistry, 2009, 393, 1619-1627.	3.7	17