

Johannes Pallua

List of Publications by Year in descending order

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43
papers

778
citations

566801

15
h-index

552369

26
g-index

45
all docs

45
docs citations

45
times ranked

960
citing authors

#	ARTICLE	IF	CITATIONS
1	The future of pathology is digital. <i>Pathology Research and Practice</i> , 2020, 216, 153040.	1.0	65
2	Fourier transform infrared imaging analysis in discrimination studies of squamous cell carcinoma. <i>Analyst, The</i> , 2012, 137, 3965.	1.7	58
3	Simultaneous quantification of verbena and verbascoside in <i>Verbena officinalis</i> by ATR-IR and NIR spectroscopy. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013, 84, 97-102.	1.4	52
4	Characterization of normal and malignant prostate tissue by Fourier transform infrared microspectroscopy. <i>Molecular BioSystems</i> , 2010, 6, 2287.	2.9	49
5	Comparison of NIR chemical imaging with conventional NIR, Raman and ATR-IR spectroscopy for quantification of furosemide crystal polymorphs in ternary powder mixtures. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013, 84, 616-625.	2.0	48
6	Assessing various Infrared (IR) microscopic imaging techniques for post-mortem interval evaluation of human skeletal remains. <i>PLoS ONE</i> , 2017, 12, e0174552.	1.1	48
7	MALDI-MS tissue imaging identification of biliverdin reductase B overexpression in prostate cancer. <i>Journal of Proteomics</i> , 2013, 91, 500-514.	1.2	45
8	Post-mortem interval estimation of human skeletal remains by micro-computed tomography, mid-infrared microscopic imaging and energy dispersive X-ray mapping. <i>Analytical Methods</i> , 2015, 7, 2917-2927.	1.3	42
9	Morphological and tissue characterization of the medicinal fungus <i>Hericium coralloides</i> by a structural and molecular imaging platform. <i>Analyst, The</i> , 2012, 137, 1584-1595.	1.7	37
10	Development and Application of Fourier-Transform Infrared Chemical Imaging of Tumour in Human Tissue. <i>Current Medicinal Chemistry</i> , 2009, 16, 318-326.	1.2	36
11	Evaluation of DNA Extraction Methods Developed for Forensic and Ancient DNA Applications Using Bone Samples of Different Age. <i>Genes</i> , 2021, 12, 146.	1.0	32
12	A chromatographic and spectroscopic analytical platform for the characterization of St John's wort extract adulterations. <i>Analytical Methods</i> , 2013, 5, 616-628.	1.3	31
13	Fourier transform infrared imaging analysis in discrimination studies of St. John's wort (<i>Hypericum</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 TF	1.9	22
14	Near-Infrared Imaging Spectroscopy as a Tool to Discriminate Two Cryptic Tetramorium Ant Species. <i>Journal of Chemical Ecology</i> , 2011, 37, 549-552.	0.9	20
15	Evaluation of a Novel Mitochondrial Pan-Mucorales Marker for the Detection, Identification, Quantification, and Growth Stage Determination of Mucormycetes. <i>Journal of Fungi (Basel)</i> , Tj ETQq1 1 0.784314 rgBT /Overlock 10 TF	0.8	10
16	Generation of A <i>Mucor circinelloides</i> Reporter Strainâ€”A Promising New Tool to Study Antifungal Drug Efficacy and Mucormycosis. <i>Genes</i> , 2018, 9, 613.	1.0	16
17	Advances of Infrared Spectroscopic Imaging and Mapping Technologies of Plant Material. <i>Current Bioactive Compounds</i> , 2011, 7, 106-117.	0.2	16
18	Cryptic species of <i>Aspergillus</i> section <i>Terrei</i> display essential physiological features to cause infection and are similar in their virulence potential in <i>Galleria mellonella</i> . <i>Virulence</i> , 2019, 10, 542-554.	1.8	14

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19	Advanced Vibrational Spectroscopic Imaging of Human Tissue in Life Science. <i>Current Proteomics</i> , 2012, 9, 132-142.	0.1	13
20	New perspectives of hyperspectral imaging for clinical research. <i>NIR News</i> , 2021, 32, 5-13.	1.6	13
21	Application of Near-Infrared Spectroscopy (NIRS) as a Tool for Quality Control in Traditional Chinese Medicine (TCM). <i>Current Bioactive Compounds</i> , 2011, 7, 75-84.	0.2	12
22	Clinical infrared microscopic imaging: An overview. <i>Pathology Research and Practice</i> , 2018, 214, 1532-1538.	1.0	11
23	High expression of mTOR signaling in granulomatous lesions is not predictive for the clinical course of sarcoidosis. <i>Respiratory Medicine</i> , 2021, 177, 106294.	1.3	10
24	Visible and near-infrared hyperspectral imaging techniques allow the reliable quantification of prognostic markers in lymphomas: A pilot study using the Ki67 proliferation index as an example. <i>Experimental Hematology</i> , 2020, 91, 55-64.	0.2	8
25	Application of mid-infrared (MIR) microscopy imaging for discrimination between follicular hyperplasia and follicular lymphoma in transgenic mice. <i>Analyst</i> , 2015, 140, 6363-6372.	1.7	7
26	Application of mid-infrared microscopic imaging for the diagnosis and classification of human lymphomas. <i>Journal of Biophotonics</i> , 2021, 14, e202100079.	1.1	7
27	Post-Mortem Interval of Human Skeletal Remains Estimated with Handheld NIR Spectrometry. <i>Biology</i> , 2022, 11, 1020.	1.3	7
28	Infrared-Spectroscopy: A Non-Invasive Tool for Medical Diagnostics and Drug Analysis. <i>Current Medicinal Chemistry</i> , 2010, 17, 2956-2966.	1.2	6
29	Application of 3-D surface reconstruction by mid- and near-infrared microscopic imaging for anatomical studies on <i>Herichium coralloides basidiomata</i> . <i>Analytical Methods</i> , 2014, 6, 1149-1157.	1.3	6
30	Near Infrared Spectroscopy Patents for the Physicochemical Characterization of Nanomaterials: The Road from Production to Routine High-Throughput Quality Control. <i>Recent Patents on Nanotechnology</i> , 2012, 6, 135-141.	0.7	5
31	Retrospective case study on the suitability of mid-infrared microscopic imaging for the diagnosis of mucormycosis in human tissue sections. <i>Analytical Methods</i> , 2017, 9, 4135-4142.	1.3	4
32	Hyperspectral imaging as a diagnostic tool to differentiate between amalgam tattoos and other dark pigmented intraoral lesions. <i>Journal of Biophotonics</i> , 2021, 14, e202000424.	1.1	4
33	Application of micro-computed tomography to microstructure studies of the medicinal fungus <i>Herichium coralloides</i> . <i>Mycologia</i> , 2015, 107, 227-238.	0.8	3
34	Identification of Five Quality Needs for Rheumatology (Text Analysis and Literature Review). <i>Frontiers in Medicine</i> , 2021, 8, 757102.	1.2	3
35	Visible and Near-Infrared hyperspectral imaging (HSI) can reliably quantify CD3 and CD45 positive inflammatory cells in myocarditis: Pilot study on formalin-fixed paraffin-embedded specimens from myocardium obtained during autopsy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 274, 121092.	2.0	3
36	Radiographic and clinical outcome of tibial plateau fractures treated with bone allograft. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2022, , 1.	1.3	3

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37	Mechanical and Morphological Assessment of an Innovative Textile for Patient Positioning Applications: Comparison to Two Standard Bandage Systems. <i>Materials</i> , 2021, 14, 1508.	1.3	1
38	Tissue characterization of the medical fungus <i>Hericium coralloides</i> by focus-variation microscopy. <i>Mycologia</i> , 2021, 113, 868-875.	0.8	1
39	Role of Infrared Spectroscopy in Medicinal Plants Research in Pakistan. <i>Current Bioactive Compounds</i> , 2011, 7, 85-92.	0.2	0
40	Role of Infrared Spectroscopy in Proteomics and Subsequently the Biomarker Analysis. <i>Current Proteomics</i> , 2012, 9, 118-131.	0.1	0
41	Comparison of structure and composition of a fossil <i>Champsosaurus</i> vertebra with modern <i>Crocodylidae</i> vertebrae: A multi-instrumental approach. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020, 104, 103668.	1.5	0
42	A Workflow for Preprocessing and Proteomic Biomarker Identification on Mass-Spectrometry Data. , 2011, , .		0
43	Placebo-Related Adverse Events in Rheumatoid Arthritis. <i>Biomolecules</i> , 2022, 12, 303.	1.8	0