

Christian Janfelt

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4610415/publications.pdf>

Version: 2024-02-01

52
papers

1,413
citations

377584

21
h-index

388640

36
g-index

53
all docs

53
docs citations

53
times ranked

1856
citing authors

#	ARTICLE	IF	CITATIONS
1	Mass spectrometry imaging of oligosaccharides following in situ enzymatic treatment of maize kernels. <i>Carbohydrate Polymers</i> , 2022, 275, 118693.	5.1	6
2	Smooth muscle ATP-sensitive potassium channels mediate migraine-relevant hypersensitivity in mouse models. <i>Cephalalgia</i> , 2022, 42, 93-107.	1.8	11
3	Mass spectrometry imaging in drug distribution and drug metabolism studies – Principles, applications and perspectives. <i>TrAC - Trends in Analytical Chemistry</i> , 2022, 146, 116482.	5.8	22
4	In vivo dermal delivery of bleomycin with electronic pneumatic injection: drug visualization and quantification with mass spectrometry. <i>Expert Opinion on Drug Delivery</i> , 2022, 19, 213-219.	2.4	2
5	A one-time pneumatic jet-injection of 5-fluorouracil and triamcinolone acetonide for treatment of hypertrophic scars – A blinded randomized controlled trial. <i>Lasers in Surgery and Medicine</i> , 2022, 54, 663-671.	1.1	2
6	A Comparison of Human and Porcine Skin in Laser-Assisted Drug Delivery of Chemotherapeutics. <i>Lasers in Surgery and Medicine</i> , 2021, 53, 162-170.	1.1	10
7	Efficacy and Safety of Laser-Assisted Combination Chemotherapy: An Explorative Imaging-Guided Treatment With 5-Fluorouracil and Cisplatin for Basal Cell Carcinoma. <i>Lasers in Surgery and Medicine</i> , 2021, 53, 119-128.	1.1	10
8	Bleomycin administered by laser-assisted drug delivery or intradermal needle-injection results in distinct biodistribution patterns in skin: <i>in vivo</i> investigations with mass spectrometry imaging. <i>Drug Delivery</i> , 2021, 28, 1141-1149.	2.5	9
9	Quantitative MALDI mass spectrometry imaging for exploring cutaneous drug delivery of tofacitinib in human skin. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2021, 159, 1-10.	2.0	13
10	Desorption Electrospray Ionization Mass Spectrometry Imaging of Cimbi-36, a 5-HT _{2A} Receptor Agonist, with Direct Comparison to Autoradiography and Positron Emission Tomography. <i>Molecular Imaging and Biology</i> , 2021, 23, 676-685.	1.3	9
11	Visualizing the Journey of Fenofibrate through the Rat Gastrointestinal Tract by Matrix-Assisted Laser Desorption/Ionization-Mass Spectrometry Imaging. <i>Molecular Pharmaceutics</i> , 2021, 18, 2189-2197.	2.3	3
12	Characterizing Cutaneous Drug Delivery Using Open-Flow Microperfusion and Mass Spectrometry Imaging. <i>Molecular Pharmaceutics</i> , 2021, 18, 3063-3072.	2.3	9
13	Screening novel CNS drug candidates for P-glycoprotein interactions using the cell line iP-gp: In vitro efflux ratios from iP-gp and MDCK-MDR1 monolayers compared to brain distribution data from mice. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2021, 169, 211-219.	2.0	5
14	MALDI mass spectrometry imaging as a complementary analytical method for improved skin distribution analysis of drug molecule and excipients. <i>International Journal of Pharmaceutics</i> , 2020, 590, 119949.	2.6	7
15	Electrospun β -Lactalbumin Nanofibers for Site-Specific and Fast-Onset Delivery of Nicotine in the Oral Cavity: An <i>In Vitro</i> , <i>Ex Vivo</i> , and Tissue Spatial Distribution Study. <i>Molecular Pharmaceutics</i> , 2020, 17, 4189-4200.	2.3	10
16	Visualisation of penetration of topical antifungal drug substances through mycosis-infected nails by matrix-assisted laser desorption ionisation mass spectrometry imaging. <i>Mycoses</i> , 2020, 63, 869-875.	1.8	7
17	Intrapulmonary (i.pulmon.) Pull Immunization With the Tuberculosis Subunit Vaccine Candidate H56/CAF01 After Intramuscular (i.m.) Priming Elicits a Distinct Innate Myeloid Response and Activation of Antigen-Presenting Cells Than i.m. or i.pulmon. Prime Immunization Alone. <i>Frontiers in Immunology</i> , 2020, 11, 803.	2.2	15
18	Matrix-Assisted Laser Desorption/Ionization-Mass Spectrometry Imaging of Metabolites during Sorghum Germination. <i>Plant Physiology</i> , 2020, 183, 925-942.	2.3	29

#	ARTICLE	IF	CITATIONS
19	Developing a predictive in vitro dissolution model based on gastrointestinal fluid characterisation in rats. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019, 142, 307-314.	2.0	24
20	Quinolizidine alkaloids are transported to seeds of bitter narrow-leafed lupin. <i>Journal of Experimental Botany</i> , 2019, 70, 5799-5808.	2.4	28
21	Mucoadhesive Electrospun Patch Delivery of Lidocaine to the Oral Mucosa and Investigation of Spatial Distribution in a Tissue Using MALDI-Mass Spectrometry Imaging. <i>Molecular Pharmaceutics</i> , 2019, 16, 3948-3956.	2.3	26
22	Characterisation and localisation of the endocannabinoid system components in the adult human testis. <i>Scientific Reports</i> , 2019, 9, 12866.	1.6	48
23	Fractional laser-assisted topical delivery of bleomycin quantified by LC-MS and visualized by MALDI mass spectrometry imaging. <i>Drug Delivery</i> , 2019, 26, 244-251.	2.5	25
24	Visualization of the penetration modifying mechanism of laurocapram by Mass Spectrometry Imaging in buccal drug delivery. <i>European Journal of Pharmaceutical Sciences</i> , 2019, 127, 276-281.	1.9	12
25	Effect of Permeation Enhancers on the Buccal Permeability of Nicotine: Ex vivo Transport Studies Complemented by MALDI MS Imaging. <i>Pharmaceutical Research</i> , 2018, 35, 70.	1.7	16
26	The Intracellular Localization of the Vanillin Biosynthetic Machinery in Pods of <i>Vanilla planifolia</i> . <i>Plant and Cell Physiology</i> , 2018, 59, 304-318.	1.5	39
27	Permeability Barriers for Nicotine and Mannitol in Porcine Buccal Mucosa Studied by High-Resolution MALDI Mass Spectrometry Imaging. <i>Molecular Pharmaceutics</i> , 2018, 15, 519-526.	2.3	14
28	The Spatial Distribution of Alkaloids in <i>Psychotria prunifolia</i> (Kunth) Steyerl and <i>Palicourea coriacea</i> (Cham.) K. Schum Leaves Analysed by Desorption Electrospray Ionisation Mass Spectrometry Imaging. <i>Phytochemical Analysis</i> , 2018, 29, 69-76.	1.2	8
29	MALDI imaging of enzymatic degradation of glycerides by lipase on textile surface. <i>Chemistry and Physics of Lipids</i> , 2018, 211, 100-106.	1.5	4
30	Delivery of amitriptyline by intravenous and intraperitoneal administration compared in the same animal by whole-body mass spectrometry imaging of a stable isotope labelled drug substance in mice. <i>Expert Opinion on Drug Delivery</i> , 2018, 15, 1157-1163.	2.4	8
31	Buccal delivery of small molecules – Impact of levulinic acid, oleic acid, sodium dodecyl sulfate and hypotonicity on ex vivo permeability and spatial distribution in mucosa. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 133, 250-257.	2.0	14
32	Combination of MALDI-MSI and cassette dosing for evaluation of drug distribution in human skin explant. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 4993-5005.	1.9	31
33	Fractional laser-assisted topical delivery leads to enhanced, accelerated and deeper cutaneous 5-fluorouracil uptake. <i>Expert Opinion on Drug Delivery</i> , 2017, 14, 307-317.	2.4	64
34	Cryo-sectioning of mice for whole-body imaging of drugs and metabolites with desorption electrospray ionization mass spectrometry imaging – a simplified approach. <i>Proteomics</i> , 2016, 16, 1633-1641.	1.3	16
35	Mass spectrometry imaging of biomarker lipids for phagocytosis and signalling during focal cerebral ischaemia. <i>Scientific Reports</i> , 2016, 6, 39571.	1.6	69
36	Aspects of Quantitation in Mass Spectrometry Imaging Investigated on Cryo-Sections of Spiked Tissue Homogenates. <i>Analytical Chemistry</i> , 2016, 88, 11513-11520.	3.2	42

#	ARTICLE	IF	CITATIONS
37	Interspecific variation in localization of hypericins and phloroglucinols in the genus <i>Hypericum</i> as revealed by desorption electrospray ionization mass spectrometry imaging. <i>Physiologia Plantarum</i> , 2016, 157, 2-12.	2.6	27
38	Characterization of midazolam metabolism in locusts: the role of a CYP3A4-like enzyme in the formation of 1 ^β -OH and 4-OH midazolam. <i>Xenobiotica</i> , 2016, 46, 99-107.	0.5	18
39	Topically applied methotrexate is rapidly delivered into skin by fractional laser ablation. <i>Expert Opinion on Drug Delivery</i> , 2015, 12, 1059-1069.	2.4	45
40	Distribution of terfenadine and its metabolites in locusts studied by desorption electrospray ionization mass spectrometry imaging. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 2149-2158.	1.9	17
41	Imaging of Plant Materials Using Indirect Desorption Electrospray Ionization Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2015, 1203, 91-97.	0.4	5
42	Mass spectrometry imaging of plant metabolites – principles and possibilities. <i>Natural Product Reports</i> , 2014, 31, 818-837.	5.2	179
43	Detection of follicular transport of lidocaine and metabolism in adipose tissue in pig ear skin by DESI mass spectrometry imaging. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 3735-3742.	1.9	31
44	Azone [®] Decreases the Buccal Mucosal Permeation of Diazepam in a Concentration-Dependent Manner via a Reservoir Effect. <i>Journal of Pharmaceutical Sciences</i> , 2014, 103, 1133-1141.	1.6	11
45	Direct imaging of plant metabolites in leaves and petals by desorption electrospray ionization mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2013, 348, 15-22.	0.7	41
46	Displaced dual-mode imaging with desorption electrospray ionization for simultaneous mass spectrometry imaging in both polarities and with several scan modes. <i>Journal of Mass Spectrometry</i> , 2013, 48, 361-366.	0.7	19
47	Visualizing metabolite distribution and enzymatic conversion in plant tissues by desorption electrospray ionization mass spectrometry imaging. <i>Plant Journal</i> , 2013, 74, 1059-1071.	2.8	64
48	Portable electrospray ionization mass spectrometry (ESI-MS) for analysis of contaminants in the field. <i>International Journal of Environmental Analytical Chemistry</i> , 2012, 92, 397-404.	1.8	12
49	Visualization by mass spectrometry of 2-dimensional changes in rat brain lipids, including N-acylphosphatidylethanolamines, during neonatal brain ischemia. <i>FASEB Journal</i> , 2012, 26, 2667-2673.	0.2	53
50	Ambient Mass Spectrometry Imaging: A Comparison of Desorption Ionization by Sonic Spray and Electrospray. <i>Journal of the American Society for Mass Spectrometry</i> , 2012, 23, 1670-1678.	1.2	22
51	Analysis of Secondary Plant Metabolites by Indirect Desorption Electrospray Ionization Imaging Mass Spectrometry. <i>Analytical Chemistry</i> , 2011, 83, 3256-3259.	3.2	137
52	Characterization of barley leaf tissue using direct and indirect desorption electrospray ionization imaging mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2011, 46, 1241-1246.	0.7	64