Mikael Hedeland

List of Publications by Year
in descending order

110	2,092	279487	344852
papers	citations	23 h-index	36 g-index

113	113	113	2184
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Comprehensive Peak Characterization (CPC) in Untargeted LCâ€“MS Analysis. Metabolites, 2022, 12, 137.	1.3	6
2	Pharmaceuticals are identified in insects in River Fyris â€“ A study with both tandem quadrupole and quadrupole-time-of-flight mass spectrometry. Environmental Advances, 2022, 8, 100194.	2.2	3
3	Oogenesis and lipid metabolism in the deep-sea sponge Phakellia ventilabrum (Linnaeus, 1767). Scientific Reports, 2022, 12, 6317.	1.6	8
4	Neomycin removal using the white rot fungusTrametes versicolor. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2022, 57, 436-447.	0.9	5
5	Modification and validation of the Endopep-mass spectrometry method for botulinum neurotoxin detection in liver samples with application to samples collected during animal botulism outbreaks. Analytical and Bioanalytical Chemistry, 2021, 413, 345-354.	1.9	10
6	Investigation of Equine In Vivo and In Vitro Derived Metabolites of the Selective Androgen Receptor Modulator (SARM) ACP-105 for Improved Doping Control. Metabolites, 2021, 11, 85.	1.3	9
7	Improved Sensitivity in Hydrophilic Interaction Liquid Chromatography-Electrospray-Mass Spectrometry after Removal of Sodium and Potassium Ions from Biological Samples. Metabolites, 2021, 11, 170.	1.3	5
8	Dimethylarginines correlate to common carotid artery wall layer dimensions and cardiovascular risk factors in pregnant women with/without preeclampsia: A group comparative study. European Journal of Obstetrics, Gynecology and Reproductive Biology, 2021, 258, 288-293.	0.5	2
9	Topical ophthalmic atropine in horses, pharmacokinetics and effect on intestinal motility. BMC Veterinary Research, 2021, 17, 149.	0.7	9
10	Automated Sequential Analysis of Hydrophilic and Lipophilic Fractions of Biological Samples: Increasing Single-Injection Chemical Coverage in Untargeted Metabolomics. Metabolites, 2021, 11, 295.	1.3	3
11	The Effects of Sampling and Storage Conditions on the Metabolite Profile of the Marine Sponge Geodia barretti. Frontiers in Chemistry, 2021, 9, 662659.	1.8	4
12	Anthracyclins Increase PUFAs: Potential Implications in ER Stress and Cell Death. Cells, 2021, 10, 1163.	1.8	10
13	Effect of paracellular permeation enhancers on intestinal permeability of two peptide drugs, enalaprilat and hexarelin, in rats. Acta Pharmaceutica Sinica B, 2021, 11, 1667-1675.	5.7	16
14	Prednisolone in Dogsâ€”Plasma Exposure and White Blood Cell Response. Frontiers in Veterinary Science, 2021, 8, 666219.	0.9	4
15	In Vitro Cell Toxicity and Intracellular Uptake of Doxorubicin Exposed as a Solution or Liposomes: Implications for Treatment of Hepatocellular Carcinoma. Cells, 2021, 10, 1717.	1.8	25
16	Etherglycerophospholipids and ferroptosis: structure, regulation, and location. Trends in Endocrinology and Metabolism, 2021, 32, 960-962.	3.1	9
17	Survival and growth of saprotrophic and mycorrhizal fungi in recalcitrant amine, amide and ammonium containing media. PLoS ONE, 2021, 16, e0244910.	1.1	1
18	Anabolic androgenic steroids exert a selective remodeling of the plasma lipidome that mirrors the decrease of the de novo lipogenesis in the liver. Metabolomics, 2020, 16, 12.	1.4	15

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19	Bioavailability of subcutaneous and intramuscular administrated buprenorphine in New Zealand White rabbits. BMC Veterinary Research, 2020, 16, 436.	0.7	12
20	Regional Intestinal Drug Permeability and Effects of Permeation Enhancers in Rat. Pharmaceutics, 2020, 12, 242.	2.0	13
21	The In Vivo Effect of Transcellular Permeation Enhancers on the Intestinal Permeability of Two Peptide Drugs Enalaprilat and Hexarelin. Pharmaceutics, 2020, 12, 99.	2.0	15
22	Removal of nonylphenol polyethoxylates by adsorption on polyurethane foam and biodegradation using immobilized Trametes versicolor. Science of the Total Environment, 2020, 724, 138159.	3.9	14
23	Disposition and effect of intra-articularly administered dexamethasone on lipopolysaccharide induced equine synovitis. Acta Veterinaria Scandinavica, 2019, 61, 28.	0.5	8
24	Exploring Radiation Response in Two Head and Neck Squamous Carcinoma Cell Lines Through Metabolic Profiling. Frontiers in Oncology, 2019, 9, 825.	1.3	19
25	An LCMS-based untargeted metabolomics protocol for cochlear perilymph: highlighting metabolic effects of hydrogen gas on the inner ear of noise exposed Guinea pigs. Metabolomics, 2019, 15, 138.	1.4	15
26	Adduct formation in electrospray ionisation-mass spectrometry with hydrophilic interaction liquid chromatography is strongly affected by the inorganic ion concentration of the samples. Journal of Chromatography A, 2019, 1600, 174-182.	1.8	21
27	Common Fatty Markers in Diseases with Dysregulated Lipogenesis. Trends in Endocrinology and Metabolism, 2019, 30, 283-285.	3.1	19
28	Removal of diclofenac from a non-sterile aqueous system using Trametes versicolor with an emphasis on adsorption and biodegradation mechanisms. Environmental Technology (United Kingdom), 2019, 40, 2460-2472.	1.2	14
29	Alterations in plasma L-arginine and methylarginines in heart failure and after heart transplantation. Scandinavian Cardiovascular Journal, 2018, 52, 196-204.	0.4	4
30	Structural elucidation of major selective androgen receptor modulator (SARM) metabolites for doping control. Organic and Biomolecular Chemistry, 2018, 16, 698-702.	1.5	13
31	Major signal suppression from metal ion clusters in SFC/ESI-MS - Cause and effects. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2018, 1084, 96-105.	1.2	20
32	Plasma l-arginine levels distinguish pulmonary arterial hypertension from left ventricular systolic dysfunction. Heart and Vessels, 2018, 33, 255-263.	0.5	20
33	Equine in vivo -derived metabolites of the SARM LGD-4033 and comparison with human and fungal metabolites. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2018, 1074-1075, 91-98.	1.2	21
34	Reply to â€œComment on â€˜In Vivo Drug Delivery Performance of Lipiodol-Based Emulsion or Drug-Eluting Beads in Patients with Hepatocellular Carcinomaâ€™â€• Molecular Pharmaceutics, 2018, 15, 336-340.	2.3	1
35	The differences in matrix effect between supercritical fluid chromatography and reversed phase liquid chromatography coupled to ESI/MS. Analytica Chimica Acta, 2018, 1000, 163-171.	2.6	38
36	Cetirizine per os: exposure and antihistamine effect in the dog. Acta Veterinaria Scandinavica, 2018, 60, 77.	0.5	5

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37	Effects of Oral Supplementation With Nitrate-Rich Beetroot Juice in Patients With Pulmonary Arterial Hypertensionâ€"Results From BEET-PAH, an Exploratory Randomized, Double-Blind, Placebo-Controlled, Crossover Study. Journal of Cardiac Failure, 2018, 24, 640-653.	0.7	22
38	Jejunal absorption of aprepitant from nanosuspensions: Role of particle size, prandial state and mucus layer. European Journal of Pharmaceutics and Biopharmaceutics, 2018, 132, 222-230.	2.0	21
39	Antitumoral effect and reduced systemic toxicity in mice after intra-tumoral injection of an in vivo solidifying calcium sulfate formulation with docetaxel. European Journal of Pharmaceutics and Biopharmaceutics, 2017, 114, 186-193.	2.0	11
40	Pharmacokinetics and pharmacodynamics of meldonium in exercised thoroughbred horses. Drug Testing and Analysis, 2017, 9, 1392-1399.	1.6	4
41	In Vivo Drug Delivery Performance of Lipiodol-Based Emulsion or Drug-Eluting Beads in Patients with Hepatocellular Carcinoma. Molecular Pharmaceutics, 2017, 14, 448-458.	2.3	30
42	Quantification of dimethylsulfoxide (DMSO) in equine plasma and urine using HILICâ€MS/MS. Drug Testing and Analysis, 2017, 9, 935-941.	1.6	2
43	Investigation of the metabolites of the HIF stabilizer FG-4592 (roxadustat) in five different in vitro models and in a human doping control sample using high resolution mass spectrometry. Journal of Pharmaceutical and Biomedical Analysis, 2017, 134, 228-236.	1.4	20
44	Investigation of the selective androgen receptor modulators S1, S4 and S22 and their metabolites in equine plasma using highâ€resolution mass spectrometry. Rapid Communications in Mass Spectrometry, 2016, 30, 833-842.	0.7	20
45	Nickel in equine sports drug testing â€" pilot study results on urinary nickel concentrations. Rapid Communications in Mass Spectrometry, 2016, 30, 982-984.	0.7	8
46	A quantitative approach to analysing cortisol response in the horse. Journal of Veterinary Pharmacology and Therapeutics, 2016, 39, 255-263.	0.6	7
47	Identification of transformation products from Î²â€blocking agents formed in wetland microcosms using LCâ€Qâ€ToF. Journal of Mass Spectrometry, 2016, 51, 207-218.	0.7	13
48	Fully automated determination of nicotine and its major metabolites in whole blood by means of a DBS online-SPE LC-HR-MS/MS approach for sports drug testing. Journal of Pharmaceutical and Biomedical Analysis, 2016, 123, 132-140.	1.4	39
49	Seafood sold in Sweden contains BMAA: A study of free and total concentrations with UHPLCâ€"MS/MS and dansyl chloride derivatization. Toxicology Reports, 2015, 2, 1473-1481.	1.6	32
50	Characterization of a nonâ€approved selective androgen receptor modulator drug candidate sold via the Internet and identification of in vitro generated phaseâ€I metabolites for human sports drug testing. Rapid Communications in Mass Spectrometry, 2015, 29, 991-999.	0.7	33
51	Plasma concentrationâ€dependent suppression of endogenous hydrocortisone in the horse after intramuscular administration of dexamethasoneâ€21â€isonicotinate. Journal of Veterinary Pharmacology and Therapeutics, 2015, 38, 235-242.	0.6	10
52	Characterization of equine urinary metabolites of selective androgen receptor modulators (SARMs) S1, S4 and S22 for doping control purposes. Drug Testing and Analysis, 2015, 7, 673-683.	1.6	32
53	Rapid chiral separation of atenolol, metoprolol, propranolol and the zwitterionic metoprolol acid using supercritical fluid chromatographyâ€"tandem mass spectrometry â€" Application to wetland microcosms. Journal of Chromatography A, 2015, 1409, 251-258.	1.8	29
54	Acute vasodilator response to vardenafil and clinical outcome in patients with pulmonary hypertension. European Journal of Clinical Pharmacology, 2015, 71, 1165-1173.	0.8	2

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55	Changes in plasma levels of asymmetric dimethylarginine, symmetric dimethylarginine, and arginine after a single dose of vardenafil in patients with pulmonary hypertension. Vascular Pharmacology, 2015, 73, 71-77.	1.0	10
56	A novel trapping system for the detection of reactive drug metabolites using the fungus Cunninghamella elegans and high resolution mass spectrometry. Drug Testing and Analysis, 2015, 7, 626-633.	1.6	3
57	High-resolution mass spectrometric investigation of the phase I and II metabolites of finasteride in pig plasma, urine and bile. Xenobiotica, 2014, 44, 498-510.	0.5	2
58	Effects of verapamil on the pharmacokinetics and hepatobiliary disposition of fexofenadine in pigs. European Journal of Pharmaceutical Sciences, 2014, 57, 214-223.	1.9	5
59	Validation of the Endopep-MS method for qualitative detection of active botulinum neurotoxins in human and chicken serum. Analytical and Bioanalytical Chemistry, 2014, 406, 7149-7161.	1.9	23
60	The Effects of Lipiodol and Cyclosporin A on the Hepatobiliary Disposition of Doxorubicin in Pigs. Molecular Pharmaceutics, 2014, 11, 1301-1313.	2.3	9
61	Investigation of Hepatobiliary Disposition of Doxorubicin Following Intrahepatic Delivery of Different Dosage Forms. Molecular Pharmaceutics, 2014, 11, 131-144.	2.3	23
62	Isolation and characterization of a Î²-glucuronide of hydroxylated SARM S1 produced using a combination of biotransformation and chemical oxidation. Journal of Pharmaceutical and Biomedical Analysis, 2014, 98, 36-39.	1.4	5
63	Synthesis, characterization, and detection of new oxandrolone metabolites as long-term markers in sports drug testing. Analytical and Bioanalytical Chemistry, 2013, 405, 8285-8294.	1.9	52
64	High inter-individual variability of vardenafil pharmacokinetics in patients with pulmonary hypertension. European Journal of Clinical Pharmacology, 2013, 69, 197-207.	0.8	7
65	Mass spectrometric characterization of glucuronides formed by a new concept, combining Cunninghamella elegans with TEMPO. Journal of Pharmaceutical and Biomedical Analysis, 2013, 84, 278-284.	1.4	8
66	Mass Spectrometric Detection of Protein-Based Toxins. Biosecurity and Bioterrorism, 2013, 11, S215-S226.	1.2	21
67	Animal Botulism Outcomes in the AniBioThreat Project. Biosecurity and Bioterrorism, 2013, 11, S177-S182.	1.2	5
68	The fungusCunninghamella eleganscan produce human and equine metabolites of selective androgen receptor modulators (SARMs). Xenobiotica, 2013, 43, 409-420.	0.5	17
69	Management of Animal Botulism Outbreaks: From Clinical Suspicion to Practical Countermeasures to Prevent or Minimize Outbreaks. Biosecurity and Bioterrorism, 2013, 11, S191-S199.	1.2	43
70	Acute haemodynamic response in relation to plasma vardenafil concentrations in patients with pulmonary hypertension. British Journal of Clinical Pharmacology, 2012, 74, 990-998.	1.1	5
71	Characterization of InÂVitro Synthesized Equine Metabolites of the Selective Androgen Receptor Modulators S24 and S4. Journal of Equine Veterinary Science, 2012, 32, 562-568.	0.4	13
72	Structural elucidation of phase I and II metabolites of bupivacaine in horse urine and fungi of the Cunninghamella species using liquid chromatography/multiâ€stage mass spectrometry. Rapid Communications in Mass Spectrometry, 2012, 26, 1338-1346.	0.7	8

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73	Confirmation of botulism in birds and cattle by the mouse bioassay and Endopep-MS. Journal of Medical Microbiology, 2011, 60, 1299-1305.	0.7	23
74	In Vivo Investigation in Pigs of Intestinal Absorption, Hepatobiliary Disposition, and Metabolism of the 5Î±-Reductase Inhibitor Finasteride and the Effects of Coadministered Ketoconazole. Drug Metabolism and Disposition, 2011, 39, 847-857.	1.7	15
75	Structural elucidation of Nâ€oxidized clemastine metabolites by liquid chromatography/tandem mass spectrometry and the use of Cunninghamella elegans to facilitate drug metabolite identification. Rapid Communications in Mass Spectrometry, 2010, 24, 1447-1456.	0.7	15
76	Effect of a Single Gemfibrozil Dose on the Pharmacokinetics of Rosuvastatin in Bile and Plasma in Healthy Volunteers. Journal of Clinical Pharmacology, 2010, 50, 1039-1049.	1.0	17
77	The effect of acute administration of rifampicin and imatinib on the enterohepatic transport of rosuvastatinin vivo. Xenobiotica, 2010, 40, 558-568.	0.5	8
78	Different Effects of Ketoconazole on the Stereoselective First-Pass Metabolism of R/S-Verapamil in the Intestine and the Liver: Important for the Mechanistic Understanding of First-Pass Drug-Drug Interactions. Drug Metabolism and Disposition, 2009, 37, 2186-2196.	1.7	16
79	Identification of Finasteride Metabolites in Human Bile and Urine by High-Performance Liquid Chromatography/Tandem Mass Spectrometry. Drug Metabolism and Disposition, 2009, 37, 2008-2017.	1.7	17
80	The effect of St. John's wort on the pharmacokinetics, metabolism and biliary excretion of finasteride and its metabolites in healthy men. European Journal of Pharmaceutical Sciences, 2009, 36, 433-443.	1.9	38
81	In vitro formation of phase I and II metabolites of propranolol and determination of their structures using chemical derivatization and liquid chromatographyâ€“tandem mass spectrometry. Journal of Mass Spectrometry, 2009, 44, 742-754.	0.7	20
82	A mass spectrometric study on meloxicam metabolism in horses and the fungus Cunninghamella elegans, and the relevance of this microbial system as a model of drug metabolism in the horse. Journal of Mass Spectrometry, 2009, 44, 1026-1037.	0.7	25
83	Enterohepatic Disposition of Rosuvastatin in Pigs and the Impact of Concomitant Dosing with Cyclosporine and Gemfibrozil. Drug Metabolism and Disposition, 2009, 37, 2349-2358.	1.7	27
84	Structural evaluation of the glucuronides of morphine and formoterol using chemical derivatization with 1,2â€dimethylimidazoleâ€4â€sulfonyl chloride and liquid chromatography/ion trap mass spectrometry. Rapid Communications in Mass Spectrometry, 2008, 22, 2685-2697.	0.7	19
85	Differentiation of estriol glucuronide isomers by chemical derivatization and electrospray tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2006, 20, 1429-1440.	0.7	20
86	Detection of altrenogest and its metabolites in post administration horse urine using liquid chromatography tandem mass spectrometryâ€”increased sensitivity by chemical derivatisation of the glucuronic acid conjugate. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2006, 833, 245-256.	1.2	31
87	Biliary secretion of rosuvastatin and bile acids in humans during the absorption phase. European Journal of Pharmaceutical Sciences, 2006, 29, 205-214.	1.9	55
88	FIRST-PASS EFFECTS OF VERAPAMIL ON THE INTESTINAL ABSORPTION AND LIVER DISPOSITION OF FEXOFENADINE IN THE PORCINE MODEL. Drug Metabolism and Disposition, 2006, 34, 1182-1189.	1.7	39
89	FLUTAMIDE METABOLISM IN FOUR DIFFERENT SPECIES IN VITRO AND IDENTIFICATION OF FLUTAMIDE METABOLITES IN HUMAN PATIENT URINE BY HIGH PERFORMANCE LIQUID CHROMATOGRAPHY/TANDEM MASS SPECTROMETRY. Drug Metabolism and Disposition, 2006, 34, 984-992.	1.7	44
90	Clinical pharmacology of clemastine in healthy dogs. Veterinary Dermatology, 2004, 15, 152-158.	0.4	18

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91	Oxaliplatin Degradation in the Presence of Chloride: Identification and Cytotoxicity of the Monochloro Monooxalato Complex. Pharmaceutical Research, 2004, 21, 891-894.	1.7	68
92	Identification of some new clemastine metabolites in dog, horse, and human urine with liquid chromatography/tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2004, 18, 2267-2272.	0.7	14
93	Simultaneous quantification of the enantiomers of verapamil and its N-demethylated metabolite in human plasma using liquid chromatographyâ€“tandem mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2004, 804, 303-311.	1.2	23
94	St John's wort decreases the bioavailability of R- and S-verapamil through induction of the first-pass metabolism*1. Clinical Pharmacology and Therapeutics, 2004, 75, 298-309.	2.3	118
95	St John's wort decreases the bioavailability of R- and S-verapamil through induction of the first-pass metabolism*1. Clinical Pharmacology and Therapeutics, 2004, 75, 298-309.	2.3	2
96	Multiple transport mechanisms involved in the intestinal absorption and first-pass extraction of fexofenadine,. Clinical Pharmacology and Therapeutics, 2003, 74, 423-436.	2.3	81
97	Validation of a method for quantification of ketobemidone in human plasma with liquid chromatographyâ€“tandem mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2003, 789, 347-354.	1.2	5
98	Pharmacokinetics and pharmacodynamics of clemastine in healthy horses. Journal of Veterinary Pharmacology and Therapeutics, 2003, 26, 151-157.	0.6	19
99	Development of a chiral non-aqueous capillary electrophoretic system using the partial filling technique with UV and mass spectrometric detection. Journal of Chromatography A, 2003, 986, 143-152.	1.8	40
100	Chiral separation of amines with N-benzoxycarbonylglycyl-L-proline as selector in non-aqueous capillary electrophoresis using methanol and 1,2-dichloroethane in the background electrolyte. Journal of Chromatography A, 2003, 984, 261-271.	1.8	29
101	Identification of glucuronide conjugates of ketobemidone and its phase I metabolites in human urine utilizing accurate mass and tandem time-of-flight mass spectrometry. Journal of Mass Spectrometry, 2002, 37, 414-420.	0.7	33
102	Identification of phase I and phase II metabolites of ketobemidone in patient urine using liquid chromatographyâ€“electrospray tandem mass spectrometry. Biomedical Applications, 2001, 763, 121-131.	1.7	13
103	Non-aqueous capillary electrophoretic separation of enantiomeric amines with (â˜)-2,3:4,6-di-O-isopropylidene-2-keto-l-gulonic acid as chiral counter ion. Journal of Chromatography A, 2001, 922, 303-311.	1.8	39
104	Cellulases from the fungiPhanerochaete chrysosporium andTrichoderma reesei as chiral selectors in capillary electrophoresis: Applications with displacer plugs and sample preconcentration. Electrophoresis, 2000, 21, 1587-1596.	1.3	19
105	Microcalorimetric studies on the complex formation between cellobiohydrolase I (CBH I) from Trichoderma reesei and the (R)- and (S)-enantiomers of the Î²-receptor blocking agent alprenolol. Thermochimica Acta, 2000, 356, 153-158.	1.2	13
106	Chromatographic evaluation of structure selective and enantioselective retention of amines and acids on cellobiohydrolase I wild type and its mutant D214N. Journal of Chromatography A, 1999, 864, 1-16.	1.8	13
107	Cellobiohydrolase I as a chiral additive in capillary electrophoresis and liquid chromatography. Journal of Chromatography A, 1998, 807, 297-305.	1.8	42
108	Unexpected difference in enantioselective retention on cellulase (CBH I) silica stationary phase caused by exchange of potassium for sodium ion in the mobile phase. , 1998, 10, 513-518.		14

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109	Studies on the enantioselective retention mechanisms of cellobiohydrolase I (CBH I) by covalent modification of the intact and fragmented protein. Chirality, 1998, 10, 760-769.	1.3	14
110	The effect of conductivity tuning in chiral separations by CE; Using hydroxypropyl-Î²-cyclodextrin in combination with tetraalkylammonium ions. Chromatographia, 1998, 48, 415-421.	0.7	15