

# Martin Hansen

## List of Publications by Year in descending order

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79  
papers

2,330  
citations

218677

26  
h-index

243625

44  
g-index

81  
all docs

81  
docs citations

81  
times ranked

3201  
citing authors

#	ARTICLE	IF	CITATIONS
1	Leaching of Estrogenic Hormones from Manure-Treated Structured Soils. <i>Environmental Science &amp; Technology</i> , 2007, 41, 3911-3917.	10.0	168
2	Assessment of the importance of sorption for steroid estrogens removal during activated sludge treatment. <i>Chemosphere</i> , 2005, 61, 139-146.	8.2	167
3	Synthesis and Structure-Activity Relationships of <i>N</i> -Benzyl Phenethylamines as 5-HT <sub>2A/2C</sub> Agonists. <i>ACS Chemical Neuroscience</i> , 2014, 5, 243-249.	3.5	103
4	Determination of steroid hormones in blood by GC-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 3409-3417.	3.7	89
5	Serotonin 2A Receptor Agonist Binding in the Human Brain with [ <sup>11</sup> C]Cimbi-36. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014, 34, 1188-1196.	4.3	88
6	Determination of pharmaceuticals in environmental and biological matrices using pressurised liquid extraction- Are we developing sound extraction methods?. <i>Journal of Chromatography A</i> , 2010, 1217, 2447-2470.	3.7	65
7	Nitrate: An Environmental Endocrine Disruptor? A Review of Evidence and Research Needs. <i>Environmental Science &amp; Technology</i> , 2018, 52, 3869-3887.	10.0	64
8	Simultaneous determination of endogenous steroid hormones in human and animal plasma and serum by liquid or gas chromatography coupled to tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013, 928, 58-77.	2.3	60
9	H295R cells as a model for steroidogenic disruption: A broader perspective using simultaneous chemical analysis of 7 key steroid hormones. <i>Toxicology in Vitro</i> , 2012, 26, 343-350.	2.4	59
10	Pollution Pathways of Pharmaceutical Residues in the Aquatic Environment on the Island of Mallorca, Spain. <i>Archives of Environmental Contamination and Toxicology</i> , 2013, 65, 56-66.	4.1	59
11	Multiresidue method for the determination of 32 human and veterinary pharmaceuticals in soil and sediment by pressurized-liquid extraction and LC-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 398, 1173-1184.	3.7	56
12	Tebuconazole disrupts steroidogenesis in <i>Xenopus laevis</i> . <i>Aquatic Toxicology</i> , 2015, 168, 28-37.	4.0	56
13	Biotransformation of AFFF Component 6:2 Fluorotelomer Thioether Amido Sulfonate Generates 6:2 Fluorotelomer Thioether Carboxylate under Sulfate-Reducing Conditions. <i>Environmental Science and Technology Letters</i> , 2018, 5, 283-288.	8.7	54
14	Environmental risk assessment of ionophores. <i>TrAC - Trends in Analytical Chemistry</i> , 2009, 28, 534-542.	11.4	53
15	Quantification of 11 thyroid hormones and associated metabolites in blood using isotope-dilution liquid chromatography tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 5429-5442.	3.7	51
16	From silent spring to silent night: Agrochemicals and the anthropocene. <i>Elementa</i> , 2017, 5, .	3.2	49
17	Blubber-depth distribution and bioaccumulation of PCBs and organochlorine pesticides in Arctic-invading killer whales. <i>Science of the Total Environment</i> , 2017, 601-602, 237-246.	8.0	48
18	Hydroxylated polychlorinated biphenyls decrease circulating steroids in female polar bears ( <i>Ursus</i> ) <i>Tj ETQq0 0 0 rgBJ /Overlock 10 Tf 50</i>	7.5	44

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19	Analytical strategies for assessing ionophores in the environment. <i>TrAC - Trends in Analytical Chemistry</i> , 2009, 28, 521-533.	11.4	42
20	Fate and antibacterial potency of anticoccidial drugs and their main abiotic degradation products. <i>Environmental Pollution</i> , 2009, 157, 474-480.	7.5	42
21	Analysis and environmental concentrations of the herbicide dichlobenil and its main metabolite 2,6-dichlorobenzamide (BAM): A review. <i>Science of the Total Environment</i> , 2011, 409, 2343-2356.	8.0	36
22	Determination of ten steroid hormones in animal waste manure and agricultural soil using inverse and integrated clean-up pressurized liquid extraction and gas chromatography-tandem mass spectrometry. <i>Analytical Methods</i> , 2011, 3, 1087.	2.7	34
23	Abiotic degradation of antibiotic ionophores. <i>Environmental Pollution</i> , 2013, 182, 177-183.	7.5	33
24	Development of an analytical methodology for the determination of the antiparasitic drug toltrazuril and its two metabolites in surface water, soil and animal manure. <i>Analytica Chimica Acta</i> , 2012, 755, 69-76.	5.4	32
25	Antibiotic Exposure in a Low-Income Country: Screening Urine Samples for Presence of Antibiotics and Antibiotic Resistance in Coagulase Negative Staphylococcal Contaminants. <i>PLoS ONE</i> , 2014, 9, e113055.	2.5	32
26	ERGO: Breaking Down the Wall between Human Health and Environmental Testing of Endocrine Disrupters. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2954.	4.1	31
27	Plastic nanoparticles cause mild inflammation, disrupt metabolic pathways, change the gut microbiota and affect reproduction in zebrafish: A full generation multi-omics study. <i>Journal of Hazardous Materials</i> , 2022, 424, 127705.	12.4	30
28	Pollution threatens toothed whales. <i>Science</i> , 2018, 361, 1208-1208.	12.6	26
29	Synthesis and pharmacological evaluation of N-benzyl substituted 4-bromo-2,5-dimethoxyphenethylamines as 5-HT <sub>2A/2C</sub> partial agonists. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 3933-3937.	3.0	25
30	A multi-omics approach unravels metagenomic and metabolic alterations of a probiotic and synbiotic additive in rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>Microbiome</i> , 2022, 10, 21.	11.1	25
31	The impact of exercise training and resveratrol supplementation on gut microbiota composition in high-fat diet fed mice. <i>Physiological Reports</i> , 2018, 6, e13881.	1.7	24
32	Dichlobenil and 2,6-dichlorobenzamide (BAM) in the environment: What are the risks to humans and biota?. <i>Science of the Total Environment</i> , 2011, 409, 3732-3739.	8.0	23
33	PFOS-induced thyroid hormone system disrupted rats display organ-specific changes in their transcriptomes. <i>Environmental Pollution</i> , 2022, 305, 119340.	7.5	22
34	Non-target analysis of organic waste amended agricultural soils: Characterization of added organic pollution. <i>Chemosphere</i> , 2021, 280, 130582.	8.2	21
35	Feeding habits of a new Arctic predator: insight from full-depth blubber fatty acid signatures of Greenland, Faroe Islands, Denmark, and managed-care killer whales <i>Orcinus orca</i> . <i>Marine Ecology - Progress Series</i> , 2018, 603, 1-12.	1.9	21
36	Development of a solid phase extraction method for the simultaneous determination of steroid hormones in H295R cell line using liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013, 935, 61-69.	2.3	20

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37	Corticosteroid Production in H295R Cells During Exposure to 3 Endocrine Disrupters Analyzed With LC-MS/MS. <i>International Journal of Toxicology</i> , 2013, 32, 219-227.	1.2	20
38	Relationships between POPs, biometrics and circulating steroids in male polar bears ( <i>Ursus maritimus</i> ) from Svalbard. <i>Environmental Pollution</i> , 2017, 230, 598-608.	7.5	20
39	Molecular and life-history effects of a natural toxin on herbivorous and non-target soil arthropods. <i>Ecotoxicology</i> , 2012, 21, 1084-1093.	2.4	19
40	Biogas final digestive byproduct applied to croplands as fertilizer contains high levels of steroid hormones. <i>Environmental Pollution</i> , 2013, 180, 368-371.	7.5	19
41	Developing a new research tool for use in free-ranging cetaceans: recovering cortisol from harbour porpoise skin. , 2015, 3, cov016.		19
42	Synthesis and evaluation of 18F-labeled 5-HT2A receptor agonists as PET ligands. <i>Nuclear Medicine and Biology</i> , 2016, 43, 455-462.	0.6	18
43	Expanding the Diversity of Myoviridae Phages Infecting <i>Lactobacillus plantarum</i> —A Novel Lineage of <i>Lactobacillus</i> Phages Comprising Five New Members. <i>Viruses</i> , 2019, 11, 611.	3.3	18
44	Determination of thirteen antibiotics in drug products — A new LC-MS/MS tool for screening drug product quality. <i>Analytical Methods</i> , 2014, 6, 5847-5855.	2.7	17
45	Exposure of consumers to substandard antibiotics from selected authorised and unauthorised medicine sales outlets in Ghana. <i>Tropical Medicine and International Health</i> , 2020, 25, 962-975.	2.3	17
46	Two novel bacteriophage genera from a groundwater reservoir highlight subsurface environments as underexplored biotopes in bacteriophage ecology. <i>Scientific Reports</i> , 2020, 10, 11879.	3.3	16
47	Grandmother's pesticide exposure revealed bi-generational effects in <i>Daphnia magna</i> . <i>Aquatic Toxicology</i> , 2021, 236, 105861.	4.0	16
48	Quantification of four ionophores in soil, sediment and manure using pressurised liquid extraction. <i>Journal of Chromatography A</i> , 2013, 1307, 27-33.	3.7	15
49	Analytical sample preparation strategies for the determination of antimalarial drugs in human whole blood, plasma and urine. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 962, 109-131.	2.3	15
50	Redistribution and persistence of microorganisms and steroid hormones after soil-injection of swine slurry. <i>Science of the Total Environment</i> , 2014, 466-467, 1003-1010.	8.0	15
51	The selective 5-HT2A receptor agonist 25CN-NBOH: Structure-activity relationship, in vivo pharmacology, and in vitro and ex vivo binding characteristics of [3H]25CN-NBOH. <i>Biochemical Pharmacology</i> , 2020, 177, 113979.	4.4	15
52	Development and validation of an SPE methodology combined with LC-MS/MS for the determination of four ionophores in aqueous environmental matrices. <i>International Journal of Environmental Analytical Chemistry</i> , 2013, 93, 1500-1512.	3.3	14
53	Inter-laboratory mass spectrometry dataset based on passive sampling of drinking water for non-target analysis. <i>Scientific Data</i> , 2021, 8, 223.	5.3	14
54	A novel method for analysing key corticosteroids in polar bear ( <i>Ursus maritimus</i> ) hair using liquid chromatography tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1017-1018, 45-51.	2.3	13

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55	Body mass, mercury exposure, biochemistry and untargeted metabolomics of incubating common eiders ( <i>Somateria mollissima</i> ) in three Baltic colonies. <i>Environment International</i> , 2020, 142, 105866.	10.0	13
56	Possibilities and limitations of the sequential injection chromatography technique for the determination of anticoccidial agents in water, pharmaceutical formulations and feed. <i>Microchemical Journal</i> , 2011, 98, 190-199.	4.5	12
57	Liquid chromatography tandem mass spectrometry method using solid-phase extraction and bead-beating-assisted matrix solid-phase dispersion to quantify the fungicide tebuconazole in controlled frog exposure study: analysis of water and animal tissue. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 7677-7685.	3.7	12
58	Migratory and diurnal activity of North Atlantic killer whales ( <i>Orcinus orca</i> ) off northern Norway. <i>Journal of Experimental Marine Biology and Ecology</i> , 2020, 533, 151456.	1.5	12
59	Time-related survival effects of two gluconasturtiin hydrolysis products on the terrestrial isopod <i>Porcellio scaber</i> . <i>Chemosphere</i> , 2012, 89, 1084-1090.	8.2	11
60	Biotic transformation of anticoccidials in soil using a lab-scale bio-reactor as a precursor-tool. <i>Chemosphere</i> , 2012, 86, 212-215.	8.2	10
61	A Prodrug Approach Involving In Situ Depot Formation to Achieve Localized and Sustained Action of Diclofenac After Joint Injection. <i>Journal of Pharmaceutical Sciences</i> , 2014, 103, 4021-4029.	3.3	10
62	Accelerating preclinical PET-screening: reductive amination with [11C]methoxybenzaldehydes. <i>RSC Advances</i> , 2014, 4, 21347-21350.	3.6	10
63	Steroid hormone profile in female polar bears ( <i>Ursus maritimus</i> ). <i>Polar Biology</i> , 2015, 38, 1183-1194.	1.2	8
64	Animal Manure Separation Technologies Diminish the Environmental Burden of Steroid Hormones. <i>Environmental Science and Technology Letters</i> , 2015, 2, 133-137.	8.7	8
65	Pharmaceutical Residues Affecting the UNESCO Biosphere Reserve Kristianstads Vattenrike Wetlands: Sources and Sinks. <i>Archives of Environmental Contamination and Toxicology</i> , 2016, 71, 423-436.	4.1	8
66	Are vitamins A and E associated with persistent organic pollutants and fatty acids in the blubber of highly contaminated killer whales ( <i>Orcinus orca</i> ) from Greenland?. <i>Environmental Research</i> , 2019, 177, 108602.	7.5	8
67	Isolation and characterisation of novel phages infecting <i>Lactobacillus plantarum</i> and proposal of a new genus, <i>Silenusvirus</i> . <i>Scientific Reports</i> , 2020, 10, 8763.	3.3	7
68	Steroid hormones in multiple tissues of East Greenland polar bears ( <i>Ursus maritimus</i> ). <i>Polar Biology</i> , 2017, 40, 37-49.	1.2	6
69	Circulating thyroid hormones and associated metabolites in white whales ( <i>Delphinapterus leucas</i> ) determined using isotope-dilution mass spectrometry. <i>Environmental Research</i> , 2017, 156, 128-131.	7.5	6
70	Mixture Effects of 3 Mechanistically Different Steroidogenic Disruptors (Prochloraz, Genistein, and) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5</i>	1.2	5
71	In situ formation of environmental endocrine disruptors from phytosterol degradation: a temporal model for agricultural soils. <i>Environmental Sciences: Processes and Impacts</i> , 2021, 23, 855-866.	3.5	5
72	Protect Denmark's groundwater from pesticides. <i>Nature</i> , 2018, 562, 192-192.	27.8	5

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73	Is nitrate an endocrine disruptor?. Integrated Environmental Assessment and Management, 2017, 13, 210-212.	2.9	4
74	Incorporation of <sup>14</sup> C-cholesterol in human adrenal corticocarcinoma H295R cell line and online-radiodetection of produced <sup>14</sup> C-steroid hormone metabolites. Journal of Pharmaceutical and Biomedical Analysis, 2017, 145, 569-575.	2.8	4
75	Long-term fertilization with urban and animal wastes enhances soil quality but introduces pharmaceuticals and personal care products. Agronomy for Sustainable Development, 2022, 42, 1.	5.3	4
76	Histology of Sculpin spp. in East Greenland. II. Histopathology and trace element concentrations. Toxicological and Environmental Chemistry, 2018, 100, 769-784.	1.2	3
77	Detection and quantification of antibiotic residues in urine samples of healthy individuals from rural and urban communities in Ghana using a validated SPE-LC-MS/MS method. SN Applied Sciences, 2020, 2, 1.	2.9	3
78	Reservoir of Antibiotic Residues and Resistant Coagulase Negative Staphylococci in a Healthy Population in the Greater Accra Region, Ghana. Antibiotics, 2022, 11, 119.	3.7	3
79	Quantification of 11 thyroid hormones and associated metabolites in blood using isotope-dilution liquid chromatography tandem mass spectrometry. , 2016, 408, 5429.		1