Jan H Christensen

List of Publications by Year in descending order

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		126858	155592
122	3,659	33	55
papers	citations	h-index	g-index
123	123	123	4296
all docs	docs citations	times ranked	citing authors

#	Article	IF	CITATIONS
1	Biodegradation of water-accommodated aromatic oil compounds in Arctic seawater at 0°C. Chemosphere, 2022, 286, 131751.	4.2	11
2	Seasonal trend and source identification of polycyclic aromatic hydrocarbons associated with fine particulate matters (PM2.5) in Isfahan City, Iran, using diagnostic ratio and PMF model. Environmental Science and Pollution Research, 2022, 29, 26449-26464.	2.7	6
3	A retrospective quantification study of benzoic acid, ibuprofen, and mecoprop in Danish groundwater samples. Environmental Advances, 2022, 7, 100180.	2.2	4
4	Non-target screening for the identification of migrating compounds from reusable plastic bottles into drinking water. Journal of Hazardous Materials, 2022, 429, 128331.	6.5	34
5	From data to reliable conclusions: Identification and comparison of persistent micropollutants and transformation products in 37 wastewater samples by non-target screening prioritization. Water Research, 2022, 219, 118599.	5.3	9
6	The "Gandalf―soil sampling project at a former industrial site in Copenhagen, Denmark: evaluating soil classification reliability. TOS Forum, 2022, 2022, 443.	0.1	0
7	Can analyte protectants compensate wastewater matrix induced enhancement effects in gas chromatography – mass spectrometry analysis?. Journal of Chromatography A, 2022, 1676, 463280.	1.8	1
8	Occurrence and trophic transport of organic compounds in sedimentation ponds for road runoff. Science of the Total Environment, 2021, 751, 141808.	3.9	11
9	A study of the spatial distribution patterns of airborne polycyclic aromatic hydrocarbons in crowberry (Empetrum nigrum) in Ilulissat, Greenland. Environmental Science and Pollution Research, 2021, 28, 23133-23142.	2.7	1
10	Generic multicriteria approach to determine the best precipitation agent for removal of biomacromolecules prior to non-targeted metabolic analysis. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2021, 1167, 122567.	1.2	1
11	Enhancing the power of liquid chromatography–Mass spectrometry for chemical fingerprinting of phytotoxins in the environment. Journal of Chromatography A, 2021, 1642, 462027.	1.8	7
12	Correction of Matrix Effects for Reliable Non-target Screening LC–ESI–MS Analysis of Wastewater. Analytical Chemistry, 2021, 93, 8432-8441.	3.2	30
13	Chemical composition analysis of carbohydrate fragmentation products. Journal of Analytical and Applied Pyrolysis, 2021, 156, 105112.	2.6	2
14	Full-scale bioremediation of diesel-polluted soil in an Arctic landfarm. Environmental Pollution, 2021, 280, 116946.	3.7	15
15	Disentangling the abiotic and biotic components of AMF suppressive soils. Soil Biology and Biochemistry, 2021, 159, 108305.	4.2	17
16	Super-complex mixtures of aliphatic- and aromatic acids may be common degradation products after marine oil spills: A lab-study of microbial oil degradation in a warm, pre-exposed marine environment. Environmental Pollution, 2021, 285, 117264.	3.7	12
17	Determination of the vaporization order of crude oils through the chemical analysis of crude oil residues burned on water. Chemosphere, 2021, 285, 131563.	4.2	4
18	Ethephon-induced changes in antioxidants and phenolic compounds in anthocyanin-producing black carrot bairy root cultures, Journal of Experimental Botany, 2020, 71, 7030-7045	2.4	23

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19	Hyphenating supercritical fluid chromatography and inductively coupled plasma mass spectrometry: a proof of concept. Journal of Analytical Atomic Spectrometry, 2020, 35, 2852-2858.	1.6	7
20	Selective pressurized liquid extraction of plant secondary metabolites: Convallaria majalis L. as a case. Analytica Chimica Acta: X, 2020, 4, 100040.	2.8	8
21	The development and validation of a GC-MS method for the quantification of glycolaldehyde formed from carbohydrate fragmentation processes. Analytical Methods, 2020, 12, 1975-1987.	1.3	3
22	Productivity and oil fingerprinting: Application of analytical chemistry in the assessment of reservoir quality. Journal of Petroleum Science and Engineering, 2020, 195, 107914.	2.1	2
23	GC × GC–HRMS nontarget fingerprinting of organic micropollutants in urban freshwater sediments. Environmental Sciences Europe, 2020, 32, .	2.6	15
24	Soil bacteria and protists show different sensitivity to polycyclic aromatic hydrocarbons at controlled chemical activity. FEMS Microbiology Letters, 2019, 366, .	0.7	12
25	Evaluation of dimethyl sulfoxide (DMSO) as a co-solvent for toxicity testing of hydrophobic organic compounds. Ecotoxicology, 2019, 28, 1136-1141.	1.1	25
26	Biodegradation, Photo-oxidation, and Dissolution of Petroleum Compounds in an Arctic Fjord during Summer. Environmental Science & Technology, 2019, 53, 12197-12206.	4.6	22
27	A tiered analytical approach for target, non-target and suspect screening analysis of polar transformation products of polycyclic aromatic compounds. Chemosphere, 2019, 235, 175-184.	4.2	11
28	Optimization and validation of a derivatization method with boron trifluoride in ethanol for analysis of aromatic carboxylic acids in water. Journal of Chromatography A, 2019, 1601, 21-26.	1.8	4
29	Tracing Production with Analytical Chemistry: Can Oil Finger Printing Provide New Answers. , 2019, , .		1
30	Combining electrokinetic transport and bioremediation for enhanced removal of crude oil from contaminated marine sediments: Results of a long-term, mesocosm-scale experiment. Water Research, 2019, 157, 381-395.	5.3	38
31	Supercritical fluid chromatography for the analysis of oxygenated polycyclic aromatic compounds in unconventional oils. Journal of Chromatography A, 2019, 1589, 162-172.	1.8	14
32	Investigating weathering in light diesel oils using comprehensive two-dimensional gas chromatography–High resolution mass spectrometry and pixel-based analysis: Possibilities and limitations. Journal of Chromatography A, 2019, 1591, 155-161.	1.8	25
33	Nontarget Analysis of Oxygenates in Catalytic Fast Pyrolysis Biocrudes by Supercritical Fluid Chromatography High-Resolution Mass Spectrometry. Energy & Fuels, 2019, 33, 296-306.	2.5	5
34	Removal of volatile gasoline compounds by indoor potted plants studied by pixel-based fingerprinting analysis. Chemosphere, 2019, 221, 226-234.	4.2	9
35	In situ biodegradation, photooxidation and dissolution of petroleum compounds in Arctic seawater and sea ice. Water Research, 2019, 148, 459-468.	5.3	39
36	Forensic Investigations of Diesel Oil Spills in the Environment Using Comprehensive Two-Dimensional Gas Chromatography–High Resolution Mass Spectrometry and Chemometrics: New Perspectives in the Absence of Recalcitrant Biomarkers. Environmental Science & Technology, 2019, 53, 550-559.	4.6	35

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37	Complementary Analysis of the Water-Soluble and Water-Insoluble Fraction of Catalytic Fast Pyrolysis Biocrudes by Two-Dimensional Gas Chromatography. Energy & Fuels, 2018, 32, 5960-5968.	2.5	7
38	Interaction mechanisms between polycyclic aromatic hydrocarbons (PAHs) and organic soil washing agents. Environmental Science and Pollution Research, 2018, 25, 299-311.	2.7	9
39	Temporal characterization and statistical analysis of flowback and produced waters and their potential for reuse. Science of the Total Environment, 2018, 619-620, 654-664.	3.9	69
40	The Pixel-Based Chemometric Approach for Oil Spill Identification and Hydrocarbon Source Differentiation. , 2018, , 443-463.		2
41	Comparison of Quantitative and Semiquantitative Methods in Source Identification Following the OSPAR Oil Spill, in Paran $\tilde{A}_{\rm i}$, Brazil. , 2018, , 515-561.		Ο
42	Different Forensic Approaches for Hydrocarbons Sources Identification in an Urban Cluster Environment. , 2018, , 563-591.		1
43	Examples of unwanted variation when characterising dissolved organic matter using direct injection electrospray mass spectrometry and chemometrics. Analytical Methods, 2018, 10, 2636-2646.	1.3	1
44	SPE-LC-MS investigations for the isolation and fractionation of acidic oil degradation products. Analytica Chimica Acta, 2018, 1038, 182-190.	2.6	7
45	Biodegradation of crude oil in Arctic subsurface water from the Disko Bay (Greenland) is limited. Environmental Pollution, 2017, 223, 73-80.	3.7	20
46	Separation, detection and identification of phase I and phase II metabolites and their corresponding polycyclic aromatic compounds. Analytical Methods, 2017, 9, 3323-3328.	1.3	5
47	Extraction optimization and pixel-based chemometric analysis of semi-volatile organic compounds in groundwater. Analytical Methods, 2017, 9, 5970-5979.	1.3	1
48	Optimizing gradient conditions in online comprehensive twoâ€dimensional reversedâ€phase liquid chromatography by use of the linear solvent strength model. Journal of Separation Science, 2017, 40, 3612-3620.	1.3	6
49	Increasing Flexibility in Two-Dimensional Liquid Chromatography by Pulsed Elution of the First Dimension: A Proof of Concept. Analytical Chemistry, 2017, 89, 8723-8730.	3.2	21
50	PAH metabolism in the earthworm <i>Eisenia fetida</i> – identification of phase II metabolites of phenanthrene and pyrene. International Journal of Environmental Analytical Chemistry, 2017, 97, 1151-1162.	1.8	14
51	Source identification of beached oil at Al Zubarah, Northwestern Qatar. Journal of Petroleum Science and Engineering, 2017, 149, 107-113.	2.1	24
52	Bacterial Human Virulence Genes across Diverse Habitats As Assessed by In silico Analysis of Environmental Metagenomes. Frontiers in Microbiology, 2016, 7, 1712.	1.5	13
53	A multivariate approach to oil hydrocarbon fingerprinting and spill source identification. , 2016, , 747-788.		3
54	PAH related effects on fish in sedimentation ponds for road runoff and potential transfer of PAHs from sediment to biota. Science of the Total Environment, 2016, 566-567, 1309-1317	3.9	28

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55	Removal of Polysorbate 80 by complexation prior to LC–MS analysis. Analytical and Bioanalytical Chemistry, 2016, 408, 2303-2307.	1.9	7
56	Limited recovery of soil microbial activity after transient exposure to gasoline vapors. Environmental Pollution, 2016, 216, 826-835.	3.7	18
57	Evaluation of chromatographic conditions in reversed phase liquid chromatography-mass spectrometry systems for fingerprinting of polar and amphiphilic plant metabolites. Analytical and Bioanalytical Chemistry, 2016, 408, 5855-5865.	1.9	2
58	Source apportionment of polycyclic aromatic hydrocarbons (PAHs) in sediments from Khuzestan province, Iran. Marine Pollution Bulletin, 2016, 110, 584-590.	2.3	18
59	Measuring internal azole and pyrethroid pesticide concentrations in Daphnia magna using QuEChERS and GC-ECD—method development with a focus on matrix effects. Analytical and Bioanalytical Chemistry, 2016, 408, 1055-1066.	1.9	14
60	Analysis of glyphosate and aminomethylphosphonic acid in leaves from Coffea arabica using high performance liquid chromatography with quadrupole mass spectrometry detection. Talanta, 2016, 146, 609-620.	2.9	24
61	Chemical fingerprinting of hydrocarbon-contamination in soil. Environmental Sciences: Processes and Impacts, 2015, 17, 606-618.	1.7	16
62	An untargeted gas chromatography mass spectrometry metabolomics platform for marine polychaetes. Journal of Chromatography A, 2015, 1384, 133-141.	1.8	11
63	Metabolic fingerprinting of Lactobacillus paracasei: a multi-criteria evaluation of methods for extraction of intracellular metabolites. Analytical and Bioanalytical Chemistry, 2015, 407, 6095-6104.	1.9	8
64	Marine biodegradation of crude oil in temperate and Arctic water samples. Journal of Hazardous Materials, 2015, 300, 75-83.	6.5	34
65	Polycyclic Aromatic Acids Are Primary Metabolites of Alkyl-PAHs—A Case Study with <i>Nereis diversicolor</i> . Environmental Science & Technology, 2015, 49, 5713-5721.	4.6	25
66	Metabolic fingerprinting of Lactobacillus paracasei: the optimal quenching strategy. Microbial Cell Factories, 2015, 14, 132.	1.9	12
67	Polar metabolites of polycyclic aromatic compounds from fungi are potential soil and groundwater contaminants. Chemosphere, 2015, 119, 250-257.	4.2	18
68	Can ornamental potted plants remove volatile organic compounds from indoor air? — a review. Environmental Science and Pollution Research, 2014, 21, 13909-13928.	2.7	128
69	First intercomparison study on the analysis of oxygenated polycyclic aromatic hydrocarbons (oxy-PAHs) and nitrogen heterocyclic polycyclic aromatic compounds (N-PACs) in contaminated soil. TrAC - Trends in Analytical Chemistry, 2014, 57, 83-92.	5.8	73
70	Sediment baseline study of levels and sources of polycyclic aromatic hydrocarbons and heavy metals in Lake Nicaragua. Chemosphere, 2014, 95, 556-565.	4.2	33
71	Pixel-Based Analysis of Comprehensive Two-Dimensional Gas Chromatograms (Color Plots) of Petroleum: A Tutorial. Analytical Chemistry, 2014, 86, 7160-7170.	3.2	25
72	Assessment of volatile organic compound removal by indoor plants—a novel experimental setup. Environmental Science and Pollution Research, 2014, 21, 7838-7846.	2.7	38

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73	Using the hydrophobic subtraction model to choose orthogonal columns for online comprehensive two-dimensional liquid chromatography. Journal of Chromatography A, 2014, 1326, 39-46.	1.8	16
74	The surface reactivity of chalk (biogenic calcite) with hydrophilic and hydrophobic functional groups. Geochimica Et Cosmochimica Acta, 2014, 128, 212-224.	1.6	29
75	Chemometric assessment of enhanced bioremediation of oil contaminated soils. Journal of Hazardous Materials, 2013, 254-255, 372-381.	6.5	46
76	Fluorochemicals used in food packaging inhibit male sex hormone synthesis. Toxicology and Applied Pharmacology, 2013, 266, 132-142.	1.3	75
77	Effects of <i>Nereis diversicolor</i> on the Transformation of 1-Methylpyrene and Pyrene: Transformation Efficiency and Identification of Phase I and II Products. Environmental Science & Technology, 2013, 47, 5383-5392.	4.6	24
78	Adsorption of mono- and di-butyltin by a wheat charcoal: pH effects and modeling. Chemosphere, 2012, 89, 863-868.	4.2	9
79	Automated Peak Extraction and Quantification in Chromatography with Multichannel Detectors. Analytical Chemistry, 2012, 84, 2211-2218.	3.2	7
80	Source identification of petroleum hydrocarbons in soil and sediments from Iguaçu River Watershed, ParanÃj, Brazil using the CHEMSIC method (CHEMometric analysis of Selected Ion Chromatograms). Journal of Chromatography A, 2012, 1235, 149-158.	1.8	46
81	Chemometric analysis of gas chromatography with flame ionisation detection chromatograms: A novel method for classification of petroleum products. Journal of Chromatography A, 2012, 1238, 121-127.	1.8	15
82	Metals and organotins in multiple bivalve species in a one-off global survey. Journal of Environmental Monitoring, 2011, 13, 1793.	2.1	11
83	The use of environmental metabolomics to determine glyphosate level of exposure in rapeseed (Brassica napus L.) seedlings. Environmental Pollution, 2011, 159, 3071-3077.	3.7	15
84	Tools to discover anionic and nonionic polyfluorinated alkyl surfactants by liquid chromatography electrospray ionisation mass spectrometry. Journal of Chromatography A, 2011, 1218, 7094-7104.	1.8	30
85	Polyfluorinated surfactants (PFS) in paper and board coatings for food packaging. Environmental Science and Pollution Research, 2011, 18, 1108-1120.	2.7	241
86	Structural isomers of polyfluorinated di- and tri-alkylated phosphate ester surfactants present in industrial blends and in microwave popcorn bags. Environmental Science and Pollution Research, 2011, 18, 1422-1432.	2.7	42
87	A pre-processing strategy for liquid chromatography time-of-flight mass spectrometry metabolic fingerprinting data. Metabolomics, 2010, 6, 341-352.	1.4	7
88	A novel approach for characterization of polycyclic aromatic hydrocarbon (PAH) pollution patterns in sediments from Guanabara Bay, Rio de Janeiro, Brazil. Environmental Pollution, 2010, 158, 3290-3297.	3.7	44
89	Phytoremediation of an aged petroleum contaminated soil using endophyte infected and non-infected grasses. Chemosphere, 2010, 81, 1084-1090.	4.2	174
90	Blending of heritable recognition cues among ant nestmates creates distinct colony gestalt odours but prevents within olony nepotism. Journal of Evolutionary Biology, 2010, 23, 1498-1508.	0.8	87

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91	Fungal PAH-Metabolites Resist Mineralization by Soil Microorganisms. Environmental Science & Technology, 2010, 44, 1677-1682.	4.6	41
92	Polychlorinated biphenyls, organochlorine pesticides and polycyclic aromatic hydrocarbons in a one-off global survey of bivalves. Journal of Environmental Monitoring, 2010, 12, 1141.	2.1	25
93	Influence of smoking parameters on the concentration of polycyclic aromatic hydrocarbons (PAHs) in Danish smoked fish. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2010, 27, 1294-1305.	1.1	53
94	A Tucker model based approach for analysis of complex oil biodegradation data. Journal of Chromatography A, 2009, 1216, 7865-7872.	1.8	10
95	Fate and antibacterial potency of anticoccidial drugs and their main abiotic degradation products. Environmental Pollution, 2009, 157, 474-480.	3.7	42
96	Extraction of polycyclic aromatic hydrocarbons from smoked fish using pressurized liquid extraction with integrated fat removal. Talanta, 2009, 79, 10-15.	2.9	56
97	Pressurised liquid extraction of flavonoids in onions. Method development and validation. Talanta, 2009, 80, 269-278.	2.9	50
98	PARAFAC Modeling of Fluorescence Excitationâ [~] Emission Spectra of Fish Bile for Rapid En Route Screening of PAC Exposure. Environmental Science & Technology, 2009, 43, 4439-4445.	4.6	18
99	Univariate and multivariate characterization of heavy fuel oil weathering and biodegradation in soil. Environmental Pollution, 2008, 156, 297-305.	3.7	15
100	Quantification and source identification of polycyclic aromatic hydrocarbons in sediment, soil, and water spinach from Hanoi, Vietnam. Journal of Environmental Monitoring, 2008, 10, 261-269.	2.1	46
101	Isomer-Specific Biodegradation of Methylphenanthrenes by Soil Bacteria. Environmental Science & Technology, 2008, 42, 4790-4796.	4.6	21
102	Assessment of oil weathering by gas chromatography–mass spectrometry, time warping and principal component analysis. Journal of Chromatography A, 2007, 1164, 262-270.	1.8	38
103	Practical aspects of chemometrics for oil spill fingerprinting. Journal of Chromatography A, 2007, 1169, 1-22.	1.8	127
104	A multivariate approach to oil hydrocarbon fingerprinting and spill source identification. , 2007, , 293-XII.		3
105	Chromatographic preprocessing of GC–MS data for analysis of complex chemical mixtures. Journal of Chromatography A, 2005, 1062, 113-123.	1.8	52
106	Multivariate statistical methods for evaluating biodegradation of mineral oil. Journal of Chromatography A, 2005, 1090, 133-145.	1.8	51
107	Halogenated organic contaminants in marine fish and mussels from southern Greenland—pilot study on relations to trophic levels and local sources. Journal of Environmental Monitoring, 2005, 7, 127-131.	2.1	12
108	Chemical Fingerprinting of Petroleum Biomarkers Using Time Warping and PCA. Environmental Science & Technology, 2005, 39, 255-260.	4.6	90

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109	Characterization and Matching of Oil Samples Using Fluorescence Spectroscopy and Parallel Factor Analysis. Analytical Chemistry, 2005, 77, 2210-2217.	3.2	131
110	Characterization, Weathering, and Application of Sesquiterpanes to Source Identification of Spilled Lighter Petroleum Products. Environmental Science & Technology, 2005, 39, 8700-8707.	4.6	97
111	Polybrominated diphenyl ethers and organochlorine compounds in biota from the marine environment of East Greenland. Science of the Total Environment, 2004, 331, 143-155.	3.9	62
112	Persistent halogenated compounds in black guillemots (Cepphus grylle) from Greenland––levels, compound patterns and spatial trends. Marine Pollution Bulletin, 2004, 48, 111-121.	2.3	94
113	Integrated Methodology for Forensic Oil Spill Identification. Environmental Science & Technology, 2004, 38, 2912-2918.	4.6	96
114	Application of Multivariate Data Analysis for Assessing the Early Fate of Petrogenic Compounds in the Marine Environment Following the Baltic Carrier Oil Spill. Polycyclic Aromatic Compounds, 2002, 22, 703-714.	1.4	13
115	Polybrominated diphenyl ethers (PBDEs) in marine fish and blue mussels from southern Greenland. Chemosphere, 2002, 47, 631-638.	4.2	150
116	Modeling of advective solute transport in sandy sediments inhabited by the lugworm <1>Arenicola marina 1 . Journal of Marine Research, 2002, 60, 151-169.	0.3	34
117	Application of Multivariate Data Analysis for Assessing the Early Fate of Petrogenic Compounds in the Marine Environment Following the Baltic Carrier Oil Spill. Polycyclic Aromatic Compounds, 2002, 22, 703-714.	1.4	8
118	Screening of polybrominated diphenyl ethers in blue mussels, marine and freshwater sediments in Denmark. Journal of Environmental Monitoring, 2001, 3, 543-547.	2.1	87
119	Response characteristics and application of chalcogenide glass Cr(VI) selective electrode. Sensors and Actuators B: Chemical, 1997, 45, 239-243.	4.0	8
120	Crude Oil and Refined Product Fingerprinting: Principles. , 1964, , 339-407.		8
121	Crude Oil and Refined Product Fingerprinting: Applications. , 1964, , 409-464.		3
122	The "Gandalf―soil sampling project at a former industrial site in Copenhagen, Denmark: evaluating soil classification reliability. Spectroscopy Europe, 0, , 34.	0.0	2