Jens J Sloth

List of Publications by Year
in descending order

81 papers	3,334 citations	126858 33 h-index	155592 55 g-index
82 all docs	82 docs citations	82 times ranked	3986 citing authors

#	Article	IF	Citations
1	Influence of Pre-Dispersion Media on the Batch Reactor Dissolution Behavior of Al2O3 Coated TiO2 (NM-104) and Two ZnO (NM-110 and NM-111) Nanomaterials in Biologically Relevant Test Media. Nanomaterials, 2022, 12, 566.	1.9	3
2	Validation and Demonstration of an Atmosphere-Temperature-pH-Controlled Stirred Batch Reactor System for Determination of (Nano)Material Solubility and Dissolution Kinetics in Physiological Simulant Lung Fluids. Nanomaterials, 2022, 12, 517.	1.9	6
3	Arsenic species in mesopelagic organisms and their fate during aquafeed processing. Chemosphere, 2022, 302, 134906.	4.2	9
4	Effects of brown seaweeds on postprandial glucose, insulin and appetite in humans â€“ A randomized, 3-way, blinded, cross-over meal study. Clinical Nutrition, 2021, 40, 830-838.	2.3	16
5	Development and validation of a single run method based on species specific isotope dilution and HPLC-ICP-MS for simultaneous species interconversion correction and speciation analysis of Cr(III)/Cr(VI) in meat and dairy products. Talanta, 2021, 222, 121538.	2.9	21
6	Physical Stability and Interfacial Properties of Oil in Water Emulsion Stabilized with Pea Protein and Fish Skin Gelatin. Food Biophysics, 2021, 16, 139-151.	1.4	13
7	Chromium speciation analysis in raw and cooked milk and meat samples by species-specific isotope dilution and HPLC-ICP-MS. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2021, 38, 304-314.	1.1	14
8	Iodine determination in animal feed by inductively coupled plasma mass spectrometry â€“ results of a collaborative study. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2021, 38, 261-267.	1.1	4
9	Characterisation and chemometric evaluation of 17 elements in ten seaweed species from Greenland. PLoS ONE, 2021, 16, e0243672.	1.1	16
10	Effects of seeding method, timing and site selection on the production and quality of sugar kelp, Saccharina latissima: A Danish case study. Algal Research, 2021, 53, 102160.	2.4	20
11	Elements of toxicological concern and the arsenolipidsâ€™ profile in the giant-red Mediterranean shrimp, Aristaeomorpha foliacea. Journal of Food Composition and Analysis, 2021, 97, 103786.	1.9	4
12	Speciation analysis of organoarsenic species in marine samples: method optimization using fractional factorial design and method validation. Analytical and Bioanalytical Chemistry, 2021, 413, 3909-3923.	1.9	18
13	Dietary exposure to potentially toxic elements through sushi consumption in Catalonia, Spain. Food and Chemical Toxicology, 2021, 153, 112285.	1.8	3
14	Ultra-trace speciation analysis of Cr(III) and Cr(VI) in rice using species-specific isotope dilution and HPLC-ICP-MS. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2021, 38, 1735-1742.	1.1	14
15	Speciation analysis of Cr(III) and Cr(VI) in bread and breakfast cereals using species-specific isotope dilution and HPLC-ICP-MS. Journal of Food Composition and Analysis, 2021, 102, 103991.	1.9	7
16	Physico-chemical and colloidal properties of protein extracted from black soldier fly (Hermetia) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142	3.6	33
17	Assessing Mineral Availability in Fish Feeds using Complementary Methods Demonstrated with the Example of Zinc in Atlantic Salmon. Journal of Visualized Experiments, 2021, , .	0.2	0
18	In vitro digestion method to evaluate solubility of dietary zinc, selenium and manganese in salmonid diets. Journal of Trace Elements in Medicine and Biology, 2020, 57, 126418.	1.5	9

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19	Protein extracts from de-oiled sunflower cake: Structural, physico-chemical and functional properties after removal of phenolics. Food Bioscience, 2020, 38, 100749.	2.0	25
20	Physical Stability of Oil-In-Water Emulsion Stabilized by Gelatin from Saithe (Pollachius virens) Skin. Foods, 2020, 9, 1718.	1.9	3
21	Reducing the High Iodine Content of Saccharina latissima and Improving the Profile of Other Valuable Compounds by Water Blanching. Foods, 2020, 9, 569.	1.9	54
22	Characterization of cod (Gadus morhua) frame composition and its valorization by enzymatic hydrolysis. Journal of Food Composition and Analysis, 2020, 89, 103469.	1.9	29
23	Dietary exposure to selected chemical contaminants in fish for the Danish population. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2020, 37, 1027-1039.	1.1	8
24	Growth performance, bioavailability of toxic and essential elements and nutrients, and biofortification of iodine of rainbow trout (Onchorynchus mykiss) fed blends with sugar kelp (Saccharina latissima). Food and Chemical Toxicology, 2020, 141, 111387.	1.8	14
25	Physico-chemical, structural and techno-functional properties of gelatin from saithe (Pollachius) Tj ETQq1 1 0.784314 rgBT /Overlock	3.6	40
26	Cytokine Profile in Patients with Aseptic Loosening of Total Hip Replacements and Its Relation to Metal Release and Metal Allergy. Journal of Clinical Medicine, 2019, 8, 1259.	1.0	25
27	Mice with epidermal filaggrin deficiency show increased immune reactivity to nickel. Contact Dermatitis, 2019, 80, 139-148.	0.8	20
28	Arsenic Exposure From Seafood Consumption. , 2019, , 147-152.		2
29	Short-term effect of the New Nordic Renal Diet on phosphorus homoeostasis in chronic kidney disease Stages 3 and 4. Nephrology Dialysis Transplantation, 2019, 34, 1691-1699.	0.4	10
30	Occupational allergic contact dermatitis caused by cobalt in machine oil. Contact Dermatitis, 2019, 80, 59-61.	0.8	7
31	Selenium and selenium species in feeds and muscle tissue of Atlantic salmon. Journal of Trace Elements in Medicine and Biology, 2018, 47, 124-133.	1.5	56
32	An electroplated copperâ€“silver alloy as antibacterial coating on stainless steel. Surface and Coatings Technology, 2018, 345, 96-104.	2.2	42
33	Macro and trace elements in Paracentrotus lividus gonads from South West Atlantic areas. Environmental Research, 2018, 162, 297-307.	3.7	15
34	Assessing the effects of seawater temperature and pH on the bioaccumulation of emerging chemical contaminants in marine bivalves. Environmental Research, 2018, 161, 236-247.	3.7	33
35	The influence of microplastics and halogenated contaminants in feed on toxicokinetics and gene expression in European seabass (Dicentrarchus labrax). Environmental Research, 2018, 164, 430-443.	3.7	105
36	Detection and characterisation of aluminium-containing nanoparticles in Chinese noodles by single particle ICP-MS. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2018, 35, 86-93.	1.1	24

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37	Oral bioaccessibility of toxic and essential elements in raw and cooked commercial seafood species available in European markets. Food Chemistry, 2018, 267, 15-27.	4.2	56
38	Effects of steaming on contaminants of emerging concern levels in seafood. Food and Chemical Toxicology, 2018, 118, 490-504.	1.8	33
39	Effects of industrial processing on essential elements and regulated and emerging contaminant levels in seafood. Food and Chemical Toxicology, 2017, 104, 85-94.	1.8	17
40	Exploration of the phycoremediation potential of Laminaria digitata towards diflubenzuron, lindane, copper and cadmium in a multitrophic pilot-scale experiment. Food and Chemical Toxicology, 2017, 104, 95-108.	1.8	11
41	Risk assessment of methylmercury in five European countries considering the national seafood consumption patterns. Food and Chemical Toxicology, 2017, 104, 26-34.	1.8	32
42	Quantitative proteomics suggests metabolic reprogramming during ETHE1 deficiency. Proteomics, 2016, 16, 1166-1176.	1.3	12
43	Accuracy of a method based on atomic absorption spectrometry to determine inorganic arsenic in food: Outcome of the collaborative trial IMEP-41. Food Chemistry, 2016, 213, 169-179.	4.2	22
44	A study of lipid- and water-soluble arsenic species in liver of Northeast Arctic cod (Gadus morhua) containing high levels of total arsenic. Journal of Trace Elements in Medicine and Biology, 2015, 30, 171-179.	1.5	22
45	Environmental contaminants of emerging concern in seafood â€“ European database on contaminant levels. Environmental Research, 2015, 143, 29-45.	3.7	173
46	Introduction of regulations for arsenic in feed and food with emphasis on inorganic arsenic, and implications for analytical chemistry. Analytical and Bioanalytical Chemistry, 2015, 407, 8385-8396.	1.9	54
47	Toxic elements and speciation in seafood samples from different contaminated sites in Europe. Environmental Research, 2015, 143, 72-81.	3.7	66
48	Iodine excretion has decreased in Denmark between 2004 and 2010 â€“ the importance of iodine content in milk. British Journal of Nutrition, 2014, 112, 1993-2001.	1.2	23
49	Use of alkaline or enzymatic sample pretreatment prior to characterization of gold nanoparticles in animal tissue by single-particle ICPMS. Analytical and Bioanalytical Chemistry, 2014, 406, 3845-3851.	1.9	78
50	Arsenic-containing fatty acids and hydrocarbons in marine oils â€“ determination using reversed-phase HPLCâ€“ICP-MS and HPLCâ€“qTOF-MS. Talanta, 2014, 121, 89-96.	2.9	63
51	Urinary excretion of arsenicals following daily intake of various seafoods during a two weeks intervention. Food and Chemical Toxicology, 2014, 66, 76-88.	1.8	23
52	Review of arsenic contamination, exposure through water and food and low cost mitigation options for rural areas. Applied Geochemistry, 2014, 41, 11-33.	1.4	160
53	Detection of arsenic-containing hydrocarbons in a range of commercial fish oils by GC-ICPMS analysis. Analytical and Bioanalytical Chemistry, 2013, 405, 5179-5190.	1.9	38
54	Total and inorganic arsenic in dietary supplements based on herbs, other botanicals and algaeâ€”a possible contributor to inorganic arsenic exposure. Analytical and Bioanalytical Chemistry, 2013, 405, 4429-4435.	1.9	34

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55	SPE HG-AAS method for the determination of inorganic arsenic in riceâ€"results from method validation studies and a survey on rice products. Analytical and Bioanalytical Chemistry, 2013, 405, 7851-7857.	1.9	57
56	Occurrence and sorption properties of arsenicals in marine sediments. Environmental Monitoring and Assessment, 2013, 185, 4679-4691.	1.3	20
57	Consumer leather exposure: an unrecognized cause of cobalt sensitization. Contact Dermatitis, 2013, 69, 276-279.	0.8	50
58	Total and inorganic arsenic in fish samples from Norwegian waters. Food Additives and Contaminants: Part B Surveillance, 2012, 5, 229-235.	1.3	69
59	Is it possible to agree on a value for inorganic arsenic in food? The outcome of IMEP-112. Analytical and Bioanalytical Chemistry, 2012, 404, 2475-2488.	1.9	36
60	Development and validation of an SPE HG-AAS method for determination of inorganic arsenic in samples of marine origin. Analytical and Bioanalytical Chemistry, 2012, 403, 2825-2834.	1.9	44
61	Arsenolipids in marine oils and fats: A review of occurrence, chemistry and future research needs. Food Chemistry, 2012, 133, 618-630.	4.2	113
62	Quantitative Characterization of Gold Nanoparticles by Field-Flow Fractionation Coupled Online with Light Scattering Detection and Inductively Coupled Plasma Mass Spectrometry. Analytical Chemistry, 2011, 83, 2461-2468.	3.2	164
63	Performance of laboratories in speciation analysis in seafood â€" Case of methylmercury and inorganic arsenic. Food Control, 2011, 22, 1928-1934.	2.8	27
64	Correction: Effects of prenatal exposure to surface-coated nanosized titanium dioxide (UV-Titan). A study in mice. Particle and Fibre Toxicology, 2011, 8, 14.	2.8	4
65	Stability of arsenic compounds in seafood samples during processing and storage by freezing. Food Chemistry, 2010, 123, 720-727.	4.2	48
66	Effects of prenatal exposure to surface-coated nanosized titanium dioxide (UV-Titan). A study in mice. Particle and Fibre Toxicology, 2010, 7, 16.	2.8	182
67	Uptake of iodide from water in Atlantic halibut larvae (Hippoglossus hippoglossus L.). Aquaculture, 2008, 285, 174-178.	1.7	17
68	Survey of Total and Inorganic Arsenic Content in Blue Mussels (Mytilus edulis L.) from Norwegian Fiords: Revelation of Unusual High Levels of Inorganic Arsenic. Journal of Agricultural and Food Chemistry, 2008, 56, 1269-1273.	2.4	101
69	Absorption, excretion, and retention of selenium from a high selenium yeast in men with a high intake of selenium. Food and Nutrition Research, 2008, 52, 1642.	1.2	33
70	Possibly enhanced Gd excretion in dialysate, but no major clinical benefit of 3-5 months of treatment with sodium thiosulfate in late stages of nephrogenic systemic fibrosis. Nephrology Dialysis Transplantation, 2008, 23, 3280-3282.	0.4	18
71	Uptake and speciation of selenium in garlic cultivated in soil amended with symbiotic fungi (mycorrhiza) and selenate. Analytical and Bioanalytical Chemistry, 2006, 385, 1098-1108.	1.9	94
72	Determination of inorganic arsenic in white fish using microwave-assisted alkaline alcoholic sample dissolution and HPLC-ICP-MS. Analytical and Bioanalytical Chemistry, 2005, 381, 339-346.	1.9	49

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73	Report on three aliphatic dimethylarsinoyl compounds as common minor constituents in marine samples. An investigation using high-performance liquid chromatography/inductively coupled plasma mass spectrometry and electrospray ionisation tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2005, 19, 227-235.	0.7	43
74	Survey of Inorganic Arsenic in Marine Animals and Marine Certified Reference Materials by Anion Exchange High-Performance Liquid Chromatographyâ^'Inductively Coupled Plasma Mass Spectrometry. Journal of Agricultural and Food Chemistry, 2005, 53, 6011-6018.	2.4	118
75	Selective arsenic speciation analysis of human urine reference materials using gradient elution ion-exchange HPLC-ICP-MS. Journal of Analytical Atomic Spectrometry, 2004, 19, 973.	1.6	47
76	Determination of organoarsenic species in marine samples using gradient elution cation exchange HPLC-ICP-MS. Journal of Analytical Atomic Spectrometry, 2003, 18, 452-459.	1.6	87
77	Determination of total selenium and 77Se in isotopically enriched human samples by ICP-dynamic reaction cell-MS. Journal of Analytical Atomic Spectrometry, 2003, 18, 317-322.	1.6	56
78	The application of inductively coupled plasma dynamic reaction cell mass spectrometry for measurement of selenium isotopes, isotope ratios and chromatographic detection of selenoamino acids. Journal of Analytical Atomic Spectrometry, 2000, 15, 669-672.	1.6	117
79	Determination of ultra-trace amounts of arsenic(III) by flow-injection hydride generation atomic absorption spectrometry with on-line preconcentration by coprecipitation with lanthanum hydroxide or hafnium hydroxide. Talanta, 1996, 43, 867-880.	2.9	52
80	Determination of ultra-trace amounts of selenium(IV) by flow injection hydride generation atomic absorption spectrometry with on-line preconcentration by co-precipitation with lanthanum hydroxide. Part II. On-line addition of co-precipitating agent. Analyst, The, 1996, 121, 31.	1.7	46
81	Case Study Teaching for Active Learning on Analytical Quality Assurance Concepts in Relation to Food Safety Exposure Assessment. Journal of Chemical Education, 0, , .	1.1	3