

# Bente Gammelgaard

## List of Publications by Citations

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45  
papers

1,015  
citations

19  
h-index

30  
g-index

46  
ext. papers

1,140  
ext. citations

4.3  
avg, IF

4.24  
L-index

#	Paper	IF	Citations
45	Selenium speciation in human urine samples by LC- and CE-ICP-MS. Separation and identification of selenosugars. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2004</b> , 19, 135-142	3.7	86
44	Interfacing capillary electrophoresis with inductively coupled plasma mass spectrometry by direct injection nebulization for selenium speciation. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2001</b> , 16, 38-42	3.7	81
43	Complementary use of molecular and element-specific mass spectrometry for identification of selenium compounds related to human selenium metabolism. <i>Analytical and Bioanalytical Chemistry</i> , <b>2008</b> , 390, 1691-706	4.4	63
42	Surveying selenium speciation from soil to cell-forms and transformations. <i>Analytical and Bioanalytical Chemistry</i> , <b>2011</b> , 399, 1743-63	4.4	60
41	The use of inductively coupled plasma mass spectrometry as a detector in drug metabolism studies. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , <b>2008</b> , 4, 1187-207	5.5	45
40	Application of inductively coupled plasma mass spectrometry in drug metabolism studies. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2007</b> , 22, 235	3.7	37
39	Stability, accumulation and cytotoxicity of an albumin-cisplatin adduct. <i>Metallomics</i> , <b>2010</b> , 2, 811-8	4.5	35
38	Characterization of a liposome-based formulation of oxaliplatin using capillary electrophoresis: encapsulation and leakage. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2011</b> , 55, 16-22	3.5	35
37	Quantitative determination of selenium metabolites in human urine by LC-DRC-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2005</b> , 20, 889	3.7	34
36	Determination of platinum drug release and liposome stability in human plasma by CE-ICP-MS. <i>International Journal of Pharmaceutics</i> , <b>2013</b> , 449, 95-102	6.5	32
35	Investigation of a liposomal oxaliplatin drug formulation by capillary electrophoresis hyphenated to inductively coupled plasma mass spectrometry (CE-ICP-MS). <i>Analytical and Bioanalytical Chemistry</i> , <b>2012</b> , 402, 2131-9	4.4	31
34	Development and validation of an ICP-OES method for quantitation of elemental impurities in tablets according to coming US pharmacopeia chapters. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2013</b> , 84, 209-14	3.5	31
33	Estimating intestinal absorption of inorganic and organic selenium compounds by in vitro flux and biotransformation studies in Caco-2 cells and ICP-MS detection. <i>Biological Trace Element Research</i> , <b>2012</b> , 145, 248-56	4.5	30
32	Comparison of two CE-ICP-MS interfaces and quantitative measurements of carboplatin in plasma samples using an internal standard. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2009</b> , 24, 1208	3.7	29
31	Detergents and bleaches are sources of chromium contact dermatitis in Israel. <i>Contact Dermatitis</i> , <b>1998</b> , 38, 101-4	2.7	28
30	Cisplatin Encapsulation Generates Morphologically Different Multicompartment in the Internal Nanostructures of Nonlamellar Liquid-Crystalline Self-Assemblies. <i>Langmuir</i> , <b>2018</b> , 34, 6570-6581	4	25
29	Metallomics in drug development: characterization of a liposomal cisplatin drug formulation in human plasma by CE-ICP-MS. <i>Analytical and Bioanalytical Chemistry</i> , <b>2013</b> , 405, 1845-54	4.4	24

28	On the toxicity and transport mechanisms of cisplatin in kidney tissues in comparison to a gold-based cytotoxic agent. <i>Metallomics</i> , <b>2017</b> , 9, 1786-1795	4.5	19
27	Separation and identification of the selenium-sulfur amino acid S-(methylseleno)cysteine in intestinal epithelial cell homogenates by LC-ICP-MS and LC-ESI-MS after incubation with methylseleninic acid. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2008</b> , 23, 727	3.7	19
26	Human urinary excretion and metabolism of (82)Se-enriched selenite and selenate determined by LC-ICP-MS. <i>Metallomics</i> , <b>2012</b> , 4, 149-55	4.5	18
25	Selenium metabolism in hepatocytes incubated with selenite, selenate, selenomethionine, Se-methylselenocysteine and methylseleninic acid and analysed by LC-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2010</b> , 25, 414	3.7	18
24	LC-ICP-MS and LC-ESI-MS identification of Se-methylselenocysteine and selenomethionine as metabolites of methylseleninic acid in rat hepatocytes. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2009</b> , 24, 69-75	3.7	18
23	Quantification of low molecular weight selenium metabolites in human plasma after treatment with selenite in pharmacological doses by LC-ICP-MS. <i>Analytical and Bioanalytical Chemistry</i> , <b>2016</b> , 408, 2293-301	4.4	18
22	Selenomethionine supplementation reduces lesion burden, improves vessel function and modulates the inflammatory response within the setting of atherosclerosis. <i>Redox Biology</i> , <b>2020</b> , 29, 101409	11.3	17
21	Quantification of pharmaceutical peptides using selenium as an elemental detection label. <i>Metallomics</i> , <b>2014</b> , 6, 1639-47	4.5	16
20	Laser-assisted delivery enhances topical uptake of the anticancer agent cisplatin. <i>Drug Delivery</i> , <b>2018</b> , 25, 1877-1885	7	16
19	Simultaneous measurement of phosphorus and platinum by Size Exclusion Chromatography coupled to Inductively Coupled Plasma Mass Spectrometry (SEC-ICPMS) using xenon as reactive collision gas for characterization of platinum drug liposomes. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2011</b> , 26, 1466	3.7	15
18	Cellular uptake of metallated cobalamins. <i>Metallomics</i> , <b>2016</b> , 8, 298-304	4.5	14
17	Quantification of pharmaceutical peptides in human plasma by LC-ICP-MS sulfur detection. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2016</b> , 31, 1877-1884	3.7	13
16	In vivo synthesized 34S enriched amino acid standards for species specific isotope dilution of proteins. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2016</b> , 31, 1830-1835	3.7	13
15	Development and validation of an ICP-MS method for quantification of total carbon and platinum in cell samples and comparison of open-vessel and microwave-assisted acid digestion methods. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2018</b> , 158, 144-150	3.5	13
14	In situ identification of dimethyl diselenide in hepatocytes treated with methylseleninic acid by membrane inlet mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2009</b> , 24, 949	3.7	12
13	Selenium as an alternative peptide label - comparison to fluorophore-labelled penetratin. <i>European Journal of Pharmaceutical Sciences</i> , <b>2015</b> , 67, 76-84	5.1	11
12	Evaluation of a membrane desolvator for LC-ICP-MS analysis of selenium and platinum species for application to peptides and proteins. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2015</b> , 30, 277-284	3.7	11
11	In vitro characterization of a novel C,N-cyclometalated benzimidazole Ru(II) arene complex: stability, intracellular distribution and binding, effects on organic osmolyte homeostasis and induction of apoptosis. <i>Metallomics</i> , <b>2015</b> , 7, 885-95	4.5	10

10	A method for studies on interactions between a gold-based drug and plasma proteins based on capillary electrophoresis with inductively coupled plasma mass spectrometry detection. <i>Analytical and Bioanalytical Chemistry</i> , <b>2015</b> , 407, 8497-503	4.4	9
9	Development of a UPLC-IDA-ICP-MS/MS method for peptide quantitation in plasma by Se-labelling, and comparison to S-detection of the native peptide. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2019</b> , 34, 375-383	3.7	7
8	Selective analysis of human serum albumin based on SEC-ICP-MS after labelling with iophenoxic acid. <i>Analytical and Bioanalytical Chemistry</i> , <b>2015</b> , 407, 2829-36	4.4	6
7	Distribution of platinum between nuclear and cytosolic fractions - Can subcellular fractionation be performed quantitatively?. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2019</b> , 165, 82-89	3.5	4
6	Analysis of selenium nanoparticles in human plasma by capillary electrophoresis hyphenated to inductively coupled plasma mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , <b>2021</b> , 413, 2247-2255	4.4	4
5	Effects of a novel selenium substituted-sugar (1,4-anhydro-4-seleno-d-talitol, SeTal) on human coronary artery cell lines and mouse aortic rings. <i>Biochemical Pharmacology</i> , <b>2020</b> , 173, 113631	6	3
4	Modulation of hypochlorous acid (HOCl) induced damage to vascular smooth muscle cells by thiocyanate and selenium analogues. <i>Redox Biology</i> , <b>2021</b> , 41, 101873	11.3	2
3	Inductively Coupled Plasma Mass Spectrometry for Analysis of Metal-Containing Pharmaceuticals <b>2012</b> , 1		1
2	Comparison of external calibration and isotope dilution LC-ICP-MS/MS for quantitation of oxytocin and its selenium analogue in human plasma. <i>Analytical and Bioanalytical Chemistry</i> , <b>2021</b> , 413, 6479-6488	4.4	1
1	Reply to comments on Elevated antimony concentrations in commercial juices. <i>Journal of Environmental Monitoring</i> , <b>2010</b> , 12, 2308		