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List of Publications by Year
in descending order

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86 papers	4,142 citations	101543 36 h-index	118850 62 g-index
86 all docs	86 docs citations	86 times ranked	3356 citing authors

#	Article	IF	Citations
1	Lipidomics Reveals Cisplatin-Induced Renal Lipid Alterations during Acute Kidney Injury and Their Attenuation by Cilastatin. International Journal of Molecular Sciences, 2021, 22, 12521.	4.1	4
2	Differences in binding kinetics, bond strength and adduct formation between Pt-based drugs and S- or N-donor groups: A comparative study using mass spectrometry techniques. European Journal of Pharmaceutical Sciences, 2019, 132, 96-105.	4.0	5
3	An approach for quantification of platinum distribution in tissues by LA-ICP-MS imaging using isotope dilution analysis. Talanta, 2018, 178, 166-171.	5.5	32
4	Lipid imaging for visualizing cilastatin amelioration of cisplatin-induced nephrotoxicity. Journal of Lipid Research, 2018, 59, 1561-1574.	4.2	21
5	Dual Internal Standards with Metals and Molecules for MALDI Imaging of Kidney Lipids. Analytical Chemistry, 2017, 89, 12727-12734.	6.5	6
6	Simultaneous characterisation of silver nanoparticles and determination of dissolved silver in chicken meat subjected to in vitro human gastrointestinal digestion using single particle inductively coupled plasma mass spectrometry. Food Chemistry, 2017, 221, 822-828.	8.2	41
7	MALDI-LTQ-Orbitrap mass spectrometry imaging for lipidomic analysis in kidney under cisplatin chemotherapy. Talanta, 2017, 164, 16-26.	5.5	38
8	Bioaccessibility and arsenic speciation in carrots, beets and quinoa from a contaminated area of Chile. Science of the Total Environment, 2016, 565, 557-563.	8.0	37
9	Printing metal-spiked inks for LA-ICP-MS bioimaging internal standardization: comparison of the different nephrotoxic behavior of cisplatin, carboplatin, and oxaliplatin. Analytical and Bioanalytical Chemistry, 2016, 408, 2309-2318.	3.7	35
10	Silver speciation and characterization of nanoparticles released from plastic food containers by single particle ICPMS. Talanta, 2016, 151, 83-90.	5.5	61
11	A shotgun approach for the identification of platinumâ€“protein complexes. Analytical and Bioanalytical Chemistry, 2015, 407, 2393-2403.	3.7	13
12	Bridging the Gap between Molecular and Elemental Mass Spectrometry: Higher Energy Collisional Dissociation (HCD) Revealing Elemental Information. Analytical Chemistry, 2015, 87, 1613-1621.	6.5	8
13	Migration and characterisation of nanosilver from food containers by AF4-ICP-MS. Food Chemistry, 2015, 166, 76-85.	8.2	107
14	Thiol-free reducing agents in electrophoretic separations and FASP proteolytic digestions for the analysis of metal-binding proteins. MethodsX, 2014, 1, 175-180.	1.6	1
15	Characterization and quantification of silver nanoparticles in nutraceuticals and beverages by asymmetric flow field flow fractionation coupled with inductively coupled plasma mass spectrometry. Journal of Chromatography A, 2014, 1371, 227-236.	3.7	44
16	Combining TBP-based rOFFGEL-IEF with FASP and nLCâ€“ESI-LTQ-MS/MS for the analysis of cisplatin-binding proteins in rat kidney. Talanta, 2014, 120, 433-442.	5.5	16
17	TCEP-based rSDSâ€“PAGE AND nLCâ€“ESI-LTQ-MS/MS for oxaliplatin metalloproteomic analysis. Talanta, 2013, 116, 581-592.	5.5	11
18	Characterization of Pt-protein complexes by nHPLCâ€“ESI-LTQ MS/MS using a gel-based bottom-up approach. Talanta, 2012, 88, 599-608.	5.5	36

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19	LA-ICP-MS and nHPLC-ESI-LTQ-FT-MS/MS for the analysis of cisplatinâ€“protein complexes separated by two dimensional gel electrophoresis in biological samples. Journal of Analytical Atomic Spectrometry, 2012, 27, 1474.	3.0	36
20	2-Deoxy-d-glucose cooperates with arsenic trioxide to induce apoptosis in leukemia cells: Involvement of IGF-1R-regulated Akt/mTOR, MEK/ERK and LKB-1/AMPK signaling pathways. Biochemical Pharmacology, 2012, 84, 1604-1616.	4.4	37
21	Cilastatin protects against cisplatin-induced nephrotoxicity without compromising its anticancer efficiency in rats. Kidney International, 2012, 82, 652-663.	5.2	81
22	Elemental Bioimaging in Kidney by LAâ€“ICPâ€“MS As a Tool to Study Nephrotoxicity and Renal Protective Strategies in Cisplatin Therapies. Analytical Chemistry, 2011, 83, 7933-7940.	6.5	130
23	Biospeciation of tungsten in the serum of diabetic and healthy rats treated with the antidiabetic agent sodium tungstate. Talanta, 2011, 84, 1011-1018.	5.5	11
24	OFFGEL isoelectric focusing and polyacrylamide gel electrophoresis separation of platinum-binding proteins. Journal of Chromatography A, 2011, 1218, 1281-1290.	3.7	29
25	Mercury and organotin compounds monitoring in fresh and marine waters across Europe by Chemcatcher passive sampler. International Journal of Environmental Analytical Chemistry, 2011, 91, 1100-1116.	3.3	13
26	An approach to the arsenic status in cardiovascular tissues of patients with coronary heart disease. Human and Experimental Toxicology, 2011, 30, 1150-1164.	2.2	24
27	Cilastatin Attenuates Cisplatin-Induced Proximal Tubular Cell Damage. Journal of Pharmacology and Experimental Therapeutics, 2010, 334, 419-429.	2.5	71
28	Analytical methodologies for metallomics studies of antitumor Pt-containing drugs. Metallomics, 2010, 2, 19-38.	2.4	98
29	Novel insights into the bottom-up mass spectrometry proteomics approach for the characterization of Pt-binding proteins: The insulin-cisplatin case study. Analyst, The, 2010, 135, 1288.	3.5	44
30	Application of Chemcatcher passive sampler for monitoring levels of mercury in contaminated river water. Talanta, 2009, 77, 1483-1489.	5.5	26
31	Top-Down Mass Spectrometric Approach for the Full Characterization of Insulinâ'Cisplatin Adducts. Analytical Chemistry, 2009, 81, 3507-3516.	6.5	49
32	Study of tungstateâ€“protein interaction in human serum by LCâ€“ICP-MS and MALDI-TOF. Analytical and Bioanalytical Chemistry, 2008, 390, 29-35.	3.7	18
33	Calibration and use of the ChemcatcherÂ® passive sampler for monitoring organotin compounds in water. Analytica Chimica Acta, 2008, 618, 157-167.	5.4	33
34	Atomic (HPLC-ICP-MS) and molecular mass spectrometry (ESI-Q-TOF) to study cis-platin interactions with serum proteins. Journal of Analytical Atomic Spectrometry, 2008, 23, 378-384.	3.0	46
35	Assessment of Chemcatcher passive sampler for the monitoring of inorganic mercury and organotin compounds in water. International Journal of Environmental Analytical Chemistry, 2008, 88, 75-90.	3.3	24
36	Accumulation, Fractionation, and Analysis of Platinum in Toxicologically Affected Tissues after Cisplatin, Oxaliplatin, and Carboplatin Administration. Journal of Analytical Toxicology, 2008, 32, 140-146.	2.8	73

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37	Speciation analysis of platinum antitumoral drugs in impacted tissues. Talanta, 2007, 72, 768-773.	5.5	32
38	SEC-ICP-MS and ESI-MS as tools to study the interaction between cisplatin and cytosolic biomolecules. Journal of Analytical Atomic Spectrometry, 2007, 22, 1113.	3.0	32
39	Pharmacologic inhibitors of extracellular signal-regulated kinase (ERKs) and c-Jun NH2-terminal kinase (JNK) decrease glutathione content and sensitize human promonocytic leukemia Cells to arsenic trioxide-induced apoptosis. Journal of Cellular Physiology, 2006, 209, 1006-1015.	4.1	42
40	Release of Particulate and Acid Soluble Palladium from Catalytic Converters into the Environment. , 2006, , 25-38.		1
41	Determination of Palladium in Environmental Samples by ICP-MS after Preconcentration / Separation. , 2006, , 83-96.		0
42	Pharmacological inhibitors of extracellular signal-regulated protein kinases attenuate the apoptotic action of cisplatin in human myeloid leukemia cells via glutathione-independent reduction in intracellular drug accumulation. Biochimica Et Biophysica Acta - Molecular Cell Research, 2005, 1743, 269-279.	4.1	28
43	Effect of the Mineralization Method on Arsenic Determination in Marine Organisms by Hydride Generation Atomic Fluorescence Spectroscopy. Mikrochimica Acta, 2005, 150, 9-14.	5.0	26
44	Distribution and Biotransformation of Arsenic Species in Chicken Cardiac and Muscle Tissues. Biological Trace Element Research, 2004, 99, 129-144.	3.5	22
45	Evaluation of arsenic speciesâ€“protein binding in cardiovascular tissues by bidimensional chromatography with ICP-MS detection. Journal of Analytical Atomic Spectrometry, 2004, 19, 292-296.	3.0	19
46	Evaluation of stability of arsenic species in rice. Analytical and Bioanalytical Chemistry, 2003, 376, 102-109.	3.7	61
47	Arsenic speciation in environmental and biological samples. Analytica Chimica Acta, 2003, 495, 85-98.	5.4	181
48	On-line preconcentration of palladium on alumina microcolumns and determination in urban waters by inductively coupled plasma mass spectrometry. Analytica Chimica Acta, 2003, 478, 209-217.	5.4	83
49	ICP-MS determination of Pt, Pd and Rh in airborne and road dust after tellurium coprecipitation. Journal of Analytical Atomic Spectrometry, 2003, 18, 80-83.	3.0	111
50	On-line Chloride Interference Removal for Arsenic Determination in Waste Water and Urine by ICP-MS Using a Modified Capillary. International Journal of Environmental Analytical Chemistry, 2002, 82, 795-804.	3.3	11
51	Levels and risk assessment for humans and ecosystems of platinum-group elements in the airborne particles and road dust of some European cities. Science of the Total Environment, 2002, 299, 1-19.	8.0	221
52	Environmental risk of particulate and soluble platinum group elements released from gasoline and diesel engine catalytic converters. Science of the Total Environment, 2002, 296, 199-208.	8.0	234
53	A new certified reference material for the quality control of palladium, platinum and rhodium in road dust, BCR-723. TrAC - Trends in Analytical Chemistry, 2002, 21, 851-868.	11.4	65
54	Bioaccumulation of palladium, platinum and rhodium from urban particulates and sediments by the freshwater isopod Asellus aquaticus. Water Research, 2001, 35, 4175-4183.	11.3	169

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55	Platinum and rhodium distribution in airborne particulate matter and road dust. Science of the Total Environment, 2001, 269, 131-144.	8.0	136
56	Assessment of airborne platinum contamination via ICP-mass spectrometric analysis of tree bark. Journal of Analytical Atomic Spectrometry, 2001, 16, 1070-1075.	3.0	38
57	On-line removal of mass interferences in palladium determination by ICP-MS using modified capillaries coupled to micro-flow nebulizers. Journal of Analytical Atomic Spectrometry, 2001, 16, 481-486.	3.0	31
58	Modification of capillaries coupled to micro-flow nebulizers: a new strategy for on-line interference removal in inductively coupled plasma mass spectrometry. Journal of Mass Spectrometry, 2000, 35, 891-896.	1.6	13
59	Control of interferences in the determination of Pt, Pd and Rh in airborne particulate matter by inductively coupled plasma mass spectrometry. Analytica Chimica Acta, 2000, 404, 285-294.	5.4	111
60	Assessment of environmental contamination risk by Pt, Rh and Pd from automobile catalyst. Microchemical Journal, 2000, 67, 105-113.	4.5	91
61	Platinum-group elements: quantification in collected exhaust fumes and studies of catalyst surfaces. Science of the Total Environment, 2000, 257, 1-15.	8.0	206
62	Collaborative evaluation of the analytical state-of-the-art of platinum, palladium and rhodium determinations in road dust. Journal of Environmental Monitoring, 2000, 2, 443-446.	2.1	40
63	Feasibility studies on the suppression of HfO+ mass interferences on platinum determination by inductively coupled plasma mass spectrometry (ICP-MS) by modification of the sample introduction system. Journal of Analytical Atomic Spectrometry, 2000, 15, 507-512.	3.0	17
64	Fast on-line selenium determination in enriched yeast slurry by microwave digestionâ€“hydride generationâ€“atomic absorption spectroscopy. Chemometrics and Intelligent Laboratory Systems, 1999, 34, 159-165.	0.1	7
65	Determination of platinum, rhodium and palladium in exhaust fumes. Journal of Analytical Atomic Spectrometry, 1999, 14, 1163-1169.	3.0	127
66	Determination of five selenium compounds in urine by liquid chromatography with focused microwave assisted digestion and hydride generationâ€“atomic absorption spectrometric detection. Analytica Chimica Acta, 1998, 374, 241-251.	5.4	53
67	Arsenic Speciation in Water and Human Urine by HPLCâ€“ICP-MS and HPLCâ€“MOâ€“HG-AAS. Microchemical Journal, 1998, 59, 89-99.	4.5	32
68	Improvement of selenium determination in water by inductively coupled plasma mass spectrometry through use of organic compounds as matrix modifiers. Spectrochimica Acta, Part B: Atomic Spectroscopy, 1997, 52, 1825-1838.	2.9	34
69	Anionic cartridge preconcentrators for inorganic arsenic, monomethylarsonate and dimethylarsinate determination by on-line HPLC-HG-AAS. Fresenius' Journal of Analytical Chemistry, 1997, 357, 844-849.	1.5	24
70	Stability studies of arsenate, monomethylarsonate, dimethylarsinate, arsenobetaine and arsenocholine in deionized water, urine and clean-up dry residue from urine samples and determination by liquid chromatography with microwave-assisted oxidation-hydride generation atomic absorption spectrometric detection. Analytica Chimica Acta, 1997, 340, 209-220.	5.4	61
71	Urine clean-up method for determination of six arsenic species by LC-AAS involving microwave assisted oxidation and hydride generation. Chromatographia, 1996, 43, 507-512.	1.3	21
72	Determination of toxic and non-toxic arsenic species in urine by microwave assisted mineralization and hydride generation atomic absorption spectrometry. Mikrochimica Acta, 1995, 120, 301-308.	5.0	19

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73	Evaluation of high-performance liquid chromatography for the separation and determination of arsenic species by on-line high-performance liquid chromatographic-hydride generation-atomic absorption spectrometry. Biomedical Applications, 1995, 666, 101-109.	1.7	27
74	On-line preconcentration of silver on a sulfhydryl cotton microcolumn and determination by flow injection atomic absorption spectrometry. Analyst, The, 1995, 120, 1911-1915.	3.5	41
75	On-line preconcentration and determination of trace platinum by flow-injection atomic absorption spectrometry. Analytica Chimica Acta, 1994, 296, 205-211.	5.4	61
76	On-line microwave oxidation for the determination of organoarsenic compounds by high-performance liquid chromatographyâ€“hydride generation atomic absorption spectrometry. Journal of Analytical Atomic Spectrometry, 1994, 9, 291-295.	3.0	49
77	Determination of Fluoride by Alf-MAS in N2O-C2H2 Flame: Application to Toothpaste. Microchemical Journal, 1993, 47, 399-403.	4.5	14
78	Determination of six arsenic species by high-performance liquid chromatography ? hydride generation ? atomic absorption spectrometry with on-line thermo-oxidation. Fresenius' Journal of Analytical Chemistry, 1993, 346, 643-647.	1.5	54
79	Evaluation of nitric-induced teflon degradation by spectrochemical fluoride analysis and scanning microscopy. Fresenius' Journal of Analytical Chemistry, 1993, 345, 524-526.	1.5	3
80	Determination of fluoride in complex liquid matrices by electrothermal atomic absorption spectrometry with in-furnace oxygen-assisted ashing. Mikrochimica Acta, 1993, 110, 103-110.	5.0	7
81	Trace enrichment and determination of gold by flow injection inductively coupled plasma spectrometry. Part 1. Inductively coupled plasma atomic emission spectrometry. Journal of Analytical Atomic Spectrometry, 1993, 8, 461.	3.0	30
82	Generation of AsH3 from As(V) in the absence of KI as prereducing agent: Speciation of inorganic arsenic. Talanta, 1992, 39, 1343-1348.	5.5	31
83	A study of hydride forming elements in the determination of As by hydride generation atomic absorption spectrometry and minimization of Sb and Se interference by Î±-hydroxyacids and KI. Spectrochimica Acta, Part B: Atomic Spectroscopy, 1992, 47, 1165-1172.	2.9	22
84	Evaluation of biological sample mineralisation methods for the determination of fluorine by graphite furnace molecular absorption spectrometry. Analyst, The, 1990, 115, 553-557.	3.5	16
85	Determination of fluoride in sea-water by molecular absorption spectrometry of aluminium monofluoride after removal cation and anion interferences. Talanta, 1990, 37, 719-724.	5.5	9
86	Determination of fluoride in drinking water and sea water by aluminium monofluoride molecular absorption spectrometry using an electrothermal graphite furnace. Analyst, The, 1988, 113, 1109.	3.5	20