GaÃ«tane Lespes

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3234812/publications.pdf

Version: 2024-02-01

79 papers	1,833 citations	201674 27 h-index	315739 38 g-index
81 all docs	81 docs citations	81 times ranked	1650 citing authors

#	Article	IF	Citations
1	Speciation of organotins in environmental samples by SPME-GC: comparison of four specific detectors: FPD, PFPD, MIP-AES and ICP-MS. Journal of Analytical Atomic Spectrometry, 2001, 16, 263-269.	3.0	95
2	Optimisation of asymmetrical flow field flow fractionation for environmental nanoparticles separation. Journal of Chromatography A, 2008, 1206, 160-165.	3.7	89
3	Hyphenated analytical techniques for multidimensional characterisation of submicron particles: A review. Analytica Chimica Acta, 2011, 692, 26-41.	5.4	80
4	Colloidal organic matter from wastewater treatment plant effluents: Characterization and role in metal distribution. Water Research, 2010, 44, 340-350.	11.3	71
5	Rapid determination of organotin compounds by headspace solid-phase microextraction. Journal of Chromatography A, 2003, 999, 123-134.	3.7	70
6	Solid phase microextraction (SPME): a new procedure for the control of butyl- and phenyltin pollution in the environment by GC-FPD. Analyst, The, 2000, 125, 263-268.	3.5	66
7	Behaviour of colloidal trace metals (Cu, Pb and Cd) in estuarine waters: An approach using frontal ultrafiltration (UF) and stripping chronopotentiometric methods (SCP). Estuarine, Coastal and Shelf Science, 2008, 80, 538-544.	2.1	63
8	Organotin speciation in Bizerte lagoon (Tunisia). Science of the Total Environment, 2005, 349, 211-222.	8.0	52
9	Natural Nanoparticles, Anthropogenic Nanoparticles, Where Is the Frontier?. Frontiers in Environmental Science, 2020, 8, .	3.3	49
10	Optimisation of ICPMS collision/reaction cell conditions for the simultaneous removal of argon based interferences of arsenic and selenium in water samples. Talanta, 2007, 71, 2080-2084.	5.5	42
11	Colloidal transport of uranium in soil: Size fractionation and characterization by field-flow fractionationâ€“multi-detection. Journal of Chromatography A, 2009, 1216, 9113-9119.	3.7	42
12	Optimisation of the hyphenation between solid-phase microextraction, capillary gas chromatography and inductively coupled plasma atomic emission spectrometry for the routine speciation of organotin compounds in the environment. Journal of Analytical Atomic Spectrometry, 2001, 16, 1429-1433.	3.0	41
13	Determination of organotin compounds by headspace solid-phase microextractionâ€“gas chromatographyâ€“pulsed flame-photometric detection (HS-SPMEâ€“GCâ€“PFPD). Analytical and Bioanalytical Chemistry, 2005, 383, 1082-1089.	3.7	38
14	Operational optimisation of ICPâ€”octopole collision/reaction cellâ€”MS for applications to ultratrace selenium total and speciation determination. Journal of Analytical Atomic Spectrometry, 2005, 20, 88-94.	3.0	38
15	Biomaterials for Three-Dimensional Cell Culture: From Applications in Oncology to Nanotechnology. Nanomaterials, 2021, 11, 481.	4.1	38
16	TBT and TPhT persistence in a sludged soil. Chemosphere, 2006, 65, 2322-2332.	8.2	33
17	Single walled carbon nanotube length determination by asymmetrical-flow field-flow fractionation hyphenated to multi-angle laser-light scattering. Journal of Chromatography A, 2010, 1217, 7891-7897.	3.7	33
18	Analytical advances in butyl-, phenyl- and octyltin speciation analysis in soil by GC-PFPD. Talanta, 2008, 75, 486-493.	5.5	32

#	Article	IF	Citations
19	Nanoparticle Characterization by Cyclical Electrical Field-Flow Fractionation. Analytical Chemistry, 2011, 83, 6565-6572.	6.5	32
20	The fate of iron nanoparticles in environmental waters treated with nanoscale zero-valent iron, FeONPs and Fe3O4NPs. Water Research, 2016, 94, 315-327.	11.3	32
21	Platinum group elements contamination in soils: Review of the current state. Chemosphere, 2021, 271, 129517.	8.2	32
22	Optimisation of the storage of natural freshwaters before organotin speciation. Water Research, 2001, 35, 224-232.	11.3	29
23	Extraction procedure for organotin analysis in plant matrices: optimisation and application. Talanta, 2002, 57, 31-43.	5.5	28
24	Kinetic degradation processes of butyl- and phenyltins in soils. Chemosphere, 2008, 72, 940-946.	8.2	28
25	Pressurised solvent extraction for organotin speciation in vegetable matrices. Analytical and Bioanalytical Chemistry, 2005, 382, 1574-1583.	3.7	27
26	Organotin speciation in French brandies and wines by solid-phase microextraction and gas chromatographyâ€"Pulsed flame photometric detection. Journal of Chromatography A, 2008, 1180, 122-130.	3.7	27
27	Investigation of uraniumâ€"colloid interactions in soil by dual field-flow fractionation/capillary electrophoresis hyphenated with inductively coupled plasma-mass spectrometry. Talanta, 2011, 85, 2504-2510.	5.5	27
28	Optimisation using experimental designs of the sample pretreatment: application to the control of the organotins in sewage sludge by GC-FPD. Analyst, The, 1999, 124, 1265-1270.	3.5	24
29	Identification of sulfur interferences during organotin determination in harbour sediment samples by sodium tetraethyl borate ethylation and gas chromatography-pulsed flame photometric detection. Journal of Chromatography A, 2004, 1046, 217-224.	3.7	24
30	Influence of the soil matrices on the analytical performance of headspace solid-phase microextraction for organotin analysis by gas chromatography-pulsed flame photometric detection. Journal of Chromatography A, 2006, 1132, 234-240.	3.7	24
31	Development of the extraction method for the simultaneous determination of butyl-, phenyl- and octyltin compounds in sewage sludge. Talanta, 2010, 80, 1945-1951.	5.5	23
32	Assessment of diffuse contamination of agricultural soil by copper in Aquitaine region by using French national databases. Science of the Total Environment, 2012, 441, 239-247.	8.0	21
33	Design and Cellular Fate of Bioinspired Auâ€"Ag Nanoshells@Hybrid Silica Nanoparticles. Langmuir, 2016, 32, 10073-10082.	3.5	21
34	Direct determination of butyl-and phenyltin compounds as chlorides using gas chromatography and flame photometric detection. Analyst, The, 1996, 121, 1969.	3.5	19
35	Validation, using a chemometric approach, of gas chromatographyâ€"inductively coupled plasmaâ€"atomic emission spectrometry (GCâ€"ICPâ€"AES) for organotin determination. Analytical and Bioanalytical Chemistry, 2003, 376, 226-235.	3.7	19
36	Tributyltin and triphenyltin uptake by lettuce. Journal of Environmental Management, 2009, 90, S60-S68.	7.8	19

#	Article	IF	Citations
37	Assessment of metal - extracellular polymeric substances interactions by asymmetrical flow field-flow fractionation coupled to inductively coupled plasma mass spectrometry. Environmental Chemistry, 2010, 7, 215.	1.5	19
38	Characterization of polymer-coated CdSe/ZnS quantum dots and investigation of their behaviour in soil solution at relevant concentration by asymmetric flow field-flow fractionation â€“ multi angle light scattering â€“ inductively coupled plasma - mass spectrometry. Analytica Chimica Acta, 2018, 1028, 104-112.	5.4	19
39	Theoretical and experimental study of the vacuum ultraviolet spectrum of tetrasubstituted tin derivatives SnCl4 and Sn(CH3)4. Chemical Physics, 1987, 111, 97-103.	1.9	18
40	Size characterization of the associations between carbon nanotubes and humic acids in aqueous media by asymmetrical flow field-flow fractionation combined with multi-angle light scattering. Chemosphere, 2012, 86, 177-182.	8.2	18
41	Nanoanalytics: history, concepts, and specificities. Environmental Science and Pollution Research, 2019, 26, 5267-5281.	5.3	18
42	Evaluation of a combined fractionation and speciation approach for study of size-based distribution of organotin species on environmental colloids. Analytical and Bioanalytical Chemistry, 2008, 390, 1805-1813.	3.7	17
43	Speciation analysis of organotin compounds in human urine by headspace solid-phase micro-extraction and gas chromatography with pulsed flame photometric detection. Talanta, 2014, 125, 196-203.	5.5	17
44	Physico-chemical approach to study organotin sorptionâ€“desorption during solid-phase microextraction. Journal of Chromatography A, 2003, 999, 61-70.	3.7	16
45	Multi-wall carbon nanotube aqueous dispersion monitoring by using A4F-UV-MALS. Analytical and Bioanalytical Chemistry, 2011, 401, 3345-3353.	3.7	16
46	Colloidal mobilization from soil and transport of uranium in (sub)-surface waters. Environmental Science and Pollution Research, 2019, 26, 5294-5304.	5.3	16
47	Comprehensive study of the parameters influencing the detection of organotin compounds by a pulsed flame photometric detector in sewage sludge. Journal of Chromatography A, 2008, 1188, 281-285.	3.7	15
48	Isotopic investigation of the colloidal mobility of depleted uranium in a podzolic soil. Chemosphere, 2014, 103, 343-348.	8.2	13
49	Fieldâ€flow fractionation for nanoparticle characterization. Journal of Separation Science, 2022, 45, 347-368.	2.5	13
50	Accurate determination of the length of carbon nanotubes using multi-angle light scattering. Mikrochimica Acta, 2011, 175, 265-271.	5.0	12
51	A new analytical approach based on asymmetrical flow field-flow fractionation coupled to ultraviolet spectrometry and light scattering detection for SWCNT aqueous dispersion studies. Analyst, The, 2012, 137, 917-923.	3.5	12
52	Separation of nanoparticles from polydisperse environmental samples: comparative study of filtration, sedimentation, and coiled tube field-flow fractionation. Analytical and Bioanalytical Chemistry, 2019, 411, 8011-8021.	3.7	12
53	Optimization of flow field-flow fractionation for the characterization of natural colloids. Analytical and Bioanalytical Chemistry, 2014, 406, 1639-1649.	3.7	11
54	Adsorption and degradation processes of tributyltin and trimethyltin in landfill leachates treated with iron nanoparticles. Environmental Research, 2015, 142, 511-521.	7.5	10

#	Article	IF	Citations
55	Spatial Variation in the Molecular Composition of Dissolved Organic Matter from the Podzol Soils of a Temperate Pine Forest. ACS Earth and Space Chemistry, 2019, 3, 1685-1696.	2.7	10
56	Identification of sulfur interferences during organotin determination in harbour sediment samples by sodium tetraethyl borate ethylation and gas chromatography-pulsed flame photometric detection. Journal of Chromatography A, 2004, 1046, 217-224.	3.7	10
57	The vacuum ultraviolet spectrum of stannane. Chemical Physics, 1986, 103, 85-91.	1.9	9
58	Assessment of Total Aromatic Hydrocarbons, Aliphatic and Polycyclic Aromatic Hydrocarbons in Surface Sediment and Fish from the Gulf of Tunis (Tunisia). Soil and Sediment Contamination, 2010, 19, 467-486.	1.9	9
59	Asymmetrical flow field-flow fractionation analysis of water suspensions of polymer nanofibers synthesized via RAFT-mediated emulsion polymerization. Analytica Chimica Acta, 2014, 819, 116-121.	5.4	8
60	Quantification of titanium from TiO2 particles in biological tissue. Journal of Trace Elements in Medicine and Biology, 2015, 32, 40-44.	3.0	8
61	Diffusive Milli-Gels (DMG) for in situ assessment of metal bioavailability: A comparison with labile metal measurement using Chelex columns and acute toxicity to Ceriodaphnia dubia for copper in freshwaters. Chemosphere, 2016, 164, 7-13.	8.2	8
62	Spatial distribution of trace elements in the soils of south-western France and identification of natural and anthropogenic sources. Catena, 2021, 205, 105446.	5.0	8
63	Comparison of preconcentration methods of the colloidal phase of a uranium-containing soil suspension. Talanta, 2020, 208, 120383.	5.5	7
64	Nanoanalytics: analytical methods for characterization of nano- and micro-objects. Environmental Science and Pollution Research, 2019, 26, 5235-5237.	5.3	6
65	Self-Assembly of Nucleoside-Derived Low-Molecular-Weight Gelators: A Thermodynamics and Kinetics Study on Different Length Scales. Langmuir, 2021, 37, 297-310.	3.5	6
66	Sedimentation Field-flow Fractionation in Thin Channels and Rotating Coiled Columns: From Analytical to Preparative Scale Separations. Separation and Purification Reviews, 2021, 50, 363-379.	5.5	5
67	Asymmetric flow-field flow fractionation-multidetection coupling for assessing colloidal copper in drain waters from a Bordeaux wine-growing area. Analytical and Bioanalytical Chemistry, 2014, 406, 1111-1119.	3.7	4
68	Determination of total and electrolabile copper in agricultural soil by using disposable modified-carbon screen-printed electrodes. Analytical and Bioanalytical Chemistry, 2014, 406, 1249-1252.	3.7	4
69	Need for revisiting the terminology about speciation. Environmental Science and Pollution Research, 2016, 23, 15767-15770.	5.3	4
70	Characterization of volcanic ash nanoparticles and study of their fate in aqueous medium by asymmetric flow field-flow fractionationâ€“multi-detection. Environmental Science and Pollution Research, 2021, 28, 31850-31860.	5.3	4
71	Determination of organotins in aquatic plants by headspace SPME followed by GC-PFPD determination. International Journal of Environmental Analytical Chemistry, 2006, 86, 733-742.	3.3	3
72	Reliability of the direct ICP-MS analysis of volcanic ash nanoparticles. International Journal of Environmental Analytical Chemistry, 2019, 99, 369-379.	3.3	3

#	Article	IF	Citations
73	Chelating Performance Evaluation of Ion Exchange Resin Chelex-100. Journal of Analytical Chemistry, 2020, 75, 468-473.	0.9	2
74	Nucleoside-Derived Low-Molecular-Weight Gelators as a Synthetic Microenvironment for 3D Cell Culture. ACS Biomaterials Science and Engineering, 2022, 8, 3387-3398.	5.2	2
75	STUDY OF RUGGEDNESS HS-SPME PROCEDURE FOR ORGANOTIN ANALYSIS BY GC-PFPD. Journal of the Chilean Chemical Society, 2009, 54, .	1.2	1
76	Gold and silver quantification from gold-silver nanoshells in HaCaT cells. Journal of Trace Elements in Medicine and Biology, 2018, 47, 70-78.	3.0	1
77	Centrifugal ultrafiltration preconcentration for studying the colloidal phase of a uranium-containing soil suspension. Journal of Chromatography A, 2021, 1640, 461957.	3.7	1
78	Speciation of copper in agricultural soils contaminated by lead using screen-printed electrodes and square-wave anodic stripping voltammetry (SPE-SWASV). Analytical Methods, 2014, 6, 7942-7950.	2.7	0
79	Field and flow-based separations. Analytical and Bioanalytical Chemistry, 2015, 407, 4299-4300.	3.7	0