

GaÃ«tane Lespes

List of Publications by Year in descending order

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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	Field-flow fractionation for nanoparticle characterization. <i>Journal of Separation Science</i> , 2022, 45, 347-368.	2.5	13
2	Nucleoside-Derived Low-Molecular-Weight Gelators as a Synthetic Microenvironment for 3D Cell Culture. <i>ACS Biomaterials Science and Engineering</i> , 2022, 8, 3387-3398.	5.2	2
3	Sedimentation Field-flow Fractionation in Thin Channels and Rotating Coiled Columns: From Analytical to Preparative Scale Separations. <i>Separation and Purification Reviews</i> , 2021, 50, 363-379.	5.5	5
4	Self-Assembly of Nucleoside-Derived Low-Molecular-Weight Gelators: A Thermodynamics and Kinetics Study on Different Length Scales. <i>Langmuir</i> , 2021, 37, 297-310.	3.5	6
5	Characterization of volcanic ash nanoparticles and study of their fate in aqueous medium by asymmetric flow field-flow fractionation multi-detection. <i>Environmental Science and Pollution Research</i> , 2021, 28, 31850-31860.	5.3	4
6	Biomaterials for Three-Dimensional Cell Culture: From Applications in Oncology to Nanotechnology. <i>Nanomaterials</i> , 2021, 11, 481.	4.1	38
7	Centrifugal ultrafiltration preconcentration for studying the colloidal phase of a uranium-containing soil suspension. <i>Journal of Chromatography A</i> , 2021, 1640, 461957.	3.7	1
8	Platinum group elements contamination in soils: Review of the current state. <i>Chemosphere</i> , 2021, 271, 129517.	8.2	32
9	Spatial distribution of trace elements in the soils of south-western France and identification of natural and anthropogenic sources. <i>Catena</i> , 2021, 205, 105446.	5.0	8
10	Comparison of preconcentration methods of the colloidal phase of a uranium-containing soil suspension. <i>Talanta</i> , 2020, 208, 120383.	5.5	7
11	Natural Nanoparticles, Anthropogenic Nanoparticles, Where Is the Frontier?. <i>Frontiers in Environmental Science</i> , 2020, 8, .	3.3	49
12	Chelating Performance Evaluation of Ion Exchange Resin Chelex-100. <i>Journal of Analytical Chemistry</i> , 2020, 75, 468-473.	0.9	2
13	Colloidal mobilization from soil and transport of uranium in (sub)-surface waters. <i>Environmental Science and Pollution Research</i> , 2019, 26, 5294-5304.	5.3	16
14	Spatial Variation in the Molecular Composition of Dissolved Organic Matter from the Podzol Soils of a Temperate Pine Forest. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 1685-1696.	2.7	10
15	Reliability of the direct ICP-MS analysis of volcanic ash nanoparticles. <i>International Journal of Environmental Analytical Chemistry</i> , 2019, 99, 369-379.	3.3	3
16	Nanoanalytics: analytical methods for characterization of nano- and micro-objects. <i>Environmental Science and Pollution Research</i> , 2019, 26, 5235-5237.	5.3	6
17	Separation of nanoparticles from polydisperse environmental samples: comparative study of filtration, sedimentation, and coiled tube field-flow fractionation. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 8011-8021.	3.7	12
18	Nanoanalytics: history, concepts, and specificities. <i>Environmental Science and Pollution Research</i> , 2019, 26, 5267-5281.	5.3	18

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19	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 – multi angle light scattering – inductively coupled plasma - mass spectrometry. <i>Analytica Chimica Acta</i> , 2018, 1028, 104-112.	5.4	19
20	Gold and silver quantification from gold-silver nanoshells in HaCaT cells. <i>Journal of Trace Elements in Medicine and Biology</i> , 2018, 47, 70-78.	3.0	1
21	Diffusive Milli-Gels (DMG) for in situ assessment of metal bioavailability: A comparison with labile metal measurement using Chelex columns and acute toxicity to <i>Ceriodaphnia dubia</i> for copper in freshwaters. <i>Chemosphere</i> , 2016, 164, 7-13.	8.2	8
22	Design and Cellular Fate of Bioinspired Au@Ag Nanoshells@Hybrid Silica Nanoparticles. <i>Langmuir</i> , 2016, 32, 10073-10082.	3.5	21
23	Need for revisiting the terminology about speciation. <i>Environmental Science and Pollution Research</i> , 2016, 23, 15767-15770.	5.3	4
24	The fate of iron nanoparticles in environmental waters treated with nanoscale zero-valent iron, FeONPs and Fe ₃ O ₄ NPs. <i>Water Research</i> , 2016, 94, 315-327.	11.3	32
25	Quantification of titanium from TiO ₂ particles in biological tissue. <i>Journal of Trace Elements in Medicine and Biology</i> , 2015, 32, 40-44.	3.0	8
26	Field and flow-based separations. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 4299-4300.	3.7	0
27	Adsorption and degradation processes of tributyltin and trimethyltin in landfill leachates treated with iron nanoparticles. <i>Environmental Research</i> , 2015, 142, 511-521.	7.5	10
28	Asymmetric flow-field flow fractionation-multidetector coupling for assessing colloidal copper in drain waters from a Bordeaux wine-growing area. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 1111-1119.	3.7	4
29	Optimization of flow field-flow fractionation for the characterization of natural colloids. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 1639-1649.	3.7	11
30	Determination of total and electro-labile copper in agricultural soil by using disposable modified-carbon screen-printed electrodes. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 1249-1252.	3.7	4
31	Speciation analysis of organotin compounds in human urine by headspace solid-phase micro-extraction and gas chromatography with pulsed flame photometric detection. <i>Talanta</i> , 2014, 125, 196-203.	5.5	17
32	Speciation of copper in agricultural soils contaminated by lead using screen-printed electrodes and square-wave anodic stripping voltammetry (SPE-SWASV). <i>Analytical Methods</i> , 2014, 6, 7942-7950.	2.7	0
33	Isotopic investigation of the colloidal mobility of depleted uranium in a podzolic soil. <i>Chemosphere</i> , 2014, 103, 343-348.	8.2	13
34	Asymmetrical flow field-flow fractionation analysis of water suspensions of polymer nanofibers synthesized via RAFT-mediated emulsion polymerization. <i>Analytica Chimica Acta</i> , 2014, 819, 116-121.	5.4	8
35	Assessment of diffuse contamination of agricultural soil by copper in Aquitaine region by using French national databases. <i>Science of the Total Environment</i> , 2012, 441, 239-247.	8.0	21
36	A new analytical approach based on asymmetrical flow field-flow fractionation coupled to ultraviolet spectrometry and light scattering detection for SWCNT aqueous dispersion studies. <i>Analyst</i> , 2012, 137, 917-923.	3.5	12

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37	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. <i>Chemosphere</i> , 2012, 86, 177-182.	8.2	18
38	Nanoparticle Characterization by Cyclical Electrical Field-Flow Fractionation. <i>Analytical Chemistry</i> , 2011, 83, 6565-6572.	6.5	32
39	Investigation of uranium colloid interactions in soil by dual field-flow fractionation/capillary electrophoresis hyphenated with inductively coupled plasma-mass spectrometry. <i>Talanta</i> , 2011, 85, 2504-2510.	5.5	27
40	Accurate determination of the length of carbon nanotubes using multi-angle light scattering. <i>Mikrochimica Acta</i> , 2011, 175, 265-271.	5.0	12
41	Multi-wall carbon nanotube aqueous dispersion monitoring by using A4F-LIV-MALS. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 401, 3345-3353.	3.7	16
42	Hyphenated analytical techniques for multidimensional characterisation of submicron particles: A review. <i>Analytica Chimica Acta</i> , 2011, 692, 26-41.	5.4	80
43	Assessment of metal - extracellular polymeric substances interactions by asymmetrical flow field-flow fractionation coupled to inductively coupled plasma mass spectrometry. <i>Environmental Chemistry</i> , 2010, 7, 215.	1.5	19
44	Single walled carbon nanotube length determination by asymmetrical-flow field-flow fractionation hyphenated to multi-angle laser-light scattering. <i>Journal of Chromatography A</i> , 2010, 1217, 7891-7897.	3.7	33
45	Development of the extraction method for the simultaneous determination of butyl-, phenyl- and octyltin compounds in sewage sludge. <i>Talanta</i> , 2010, 80, 1945-1951.	5.5	23
46	Colloidal organic matter from wastewater treatment plant effluents: Characterization and role in metal distribution. <i>Water Research</i> , 2010, 44, 340-350.	11.3	71
47	Assessment of Total Aromatic Hydrocarbons, Aliphatic and Polycyclic Aromatic Hydrocarbons in Surface Sediment and Fish from the Gulf of Tunis (Tunisia). <i>Soil and Sediment Contamination</i> , 2010, 19, 467-486.	1.9	9
48	STUDY OF RUGGEDNESS HS-SPME PROCEDURE FOR ORGANOTIN ANALYSIS BY GC-PFPD. <i>Journal of the Chilean Chemical Society</i> , 2009, 54, .	1.2	1
49	Tributyltin and triphenyltin uptake by lettuce. <i>Journal of Environmental Management</i> , 2009, 90, S60-S68.	7.8	19
50	Colloidal transport of uranium in soil: Size fractionation and characterization by field-flow fractionation multi-detection. <i>Journal of Chromatography A</i> , 2009, 1216, 9113-9119.	3.7	42
51	Evaluation of a combined fractionation and speciation approach for study of size-based distribution of organotin species on environmental colloids. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 390, 1805-1813.	3.7	17
52	Organotin speciation in French brandies and wines by solid-phase microextraction and gas chromatography Pulsed flame photometric detection. <i>Journal of Chromatography A</i> , 2008, 1180, 122-130.	3.7	27
53	Comprehensive study of the parameters influencing the detection of organotin compounds by a pulsed flame photometric detector in sewage sludge. <i>Journal of Chromatography A</i> , 2008, 1188, 281-285.	3.7	15
54	Optimisation of asymmetrical flow field flow fractionation for environmental nanoparticles separation. <i>Journal of Chromatography A</i> , 2008, 1206, 160-165.	3.7	89

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55	Behaviour of colloidal trace metals (Cu, Pb and Cd) in estuarine waters: An approach using frontal ultrafiltration (UF) and stripping chronopotentiometric methods (SCP). <i>Estuarine, Coastal and Shelf Science</i> , 2008, 80, 538-544.	2.1	63
56	Analytical advances in butyl-, phenyl- and octyltin speciation analysis in soil by GC-PFPD. <i>Talanta</i> , 2008, 75, 486-493.	5.5	32
57	Kinetic degradation processes of butyl- and phenyltins in soils. <i>Chemosphere</i> , 2008, 72, 940-946.	8.2	28
58	Optimisation of ICPMS collision/reaction cell conditions for the simultaneous removal of argon based interferences of arsenic and selenium in water samples. <i>Talanta</i> , 2007, 71, 2080-2084.	5.5	42
59	Determination of organotins in aquatic plants by headspace SPME followed by GC-PFPD determination. <i>International Journal of Environmental Analytical Chemistry</i> , 2006, 86, 733-742.	3.3	3
60	TBT and TPhT persistence in a sludged soil. <i>Chemosphere</i> , 2006, 65, 2322-2332.	8.2	33
61	Influence of the soil matrices on the analytical performance of headspace solid-phase microextraction for organotin analysis by gas chromatography-pulsed flame photometric detection. <i>Journal of Chromatography A</i> , 2006, 1132, 234-240.	3.7	24
62	Organotin speciation in Bizerte lagoon (Tunisia). <i>Science of the Total Environment</i> , 2005, 349, 211-222.	8.0	52
63	Determination of organotin compounds by headspace solid-phase microextraction-gas chromatography-pulsed flame-photometric detection (HS-SPME-GC-PFPD). <i>Analytical and Bioanalytical Chemistry</i> , 2005, 383, 1082-1089.	3.7	38
64	Pressurised solvent extraction for organotin speciation in vegetable matrices. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 382, 1574-1583.	3.7	27
65	Operational optimisation of ICP-octopole collision/reaction cell-MS for applications to ultratrace selenium total and speciation determination. <i>Journal of Analytical Atomic Spectrometry</i> , 2005, 20, 88-94.	3.0	38
66	Identification of sulfur interferences during organotin determination in harbour sediment samples by sodium tetraethyl borate ethylation and gas chromatography-pulsed flame photometric detection. <i>Journal of Chromatography A</i> , 2004, 1046, 217-224.	3.7	24
67	Identification of sulfur interferences during organotin determination in harbour sediment samples by sodium tetraethyl borate ethylation and gas chromatography-pulsed flame photometric detection. <i>Journal of Chromatography A</i> , 2004, 1046, 217-224.	3.7	10
68	Validation, using a chemometric approach, of gas chromatography-inductively coupled plasma-atomic emission spectrometry (GC-ICP-AES) for organotin determination. <i>Analytical and Bioanalytical Chemistry</i> , 2003, 376, 226-235.	3.7	19
69	Rapid determination of organotin compounds by headspace solid-phase microextraction. <i>Journal of Chromatography A</i> , 2003, 999, 123-134.	3.7	70
70	Physico-chemical approach to study organotin sorption-desorption during solid-phase microextraction. <i>Journal of Chromatography A</i> , 2003, 999, 61-70.	3.7	16
71	Extraction procedure for organotin analysis in plant matrices: optimisation and application. <i>Talanta</i> , 2002, 57, 31-43.	5.5	28
72	Speciation of organotins in environmental samples by SPME-GC: comparison of four specific detectors: FPD, PFPD, MIP-AES and ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2001, 16, 263-269.	3.0	95

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73	Optimisation of the storage of natural freshwaters before organotin speciation. <i>Water Research</i> , 2001, 35, 224-232.	11.3	29
74	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. <i>Journal of Analytical Atomic Spectrometry</i> , 2001, 16, 1429-1433.	3.0	41
75	Solid phase microextraction (SPME): a new procedure for the control of butyl- and phenyltin pollution in the environment by GC-FPD. <i>Analyst</i> , The, 2000, 125, 263-268.	3.5	66
76	Optimisation using experimental designs of the sample pretreatment: application to the control of the organotins in sewage sludge by GC-FPD. <i>Analyst</i> , The, 1999, 124, 1265-1270.	3.5	24
77	Direct determination of butyl- and phenyltin compounds as chlorides using gas chromatography and flame photometric detection. <i>Analyst</i> , The, 1996, 121, 1969.	3.5	19
78	Theoretical and experimental study of the vacuum ultraviolet spectrum of tetrasubstituted tin derivatives SnCl ₄ and Sn(CH ₃) ₄ . <i>Chemical Physics</i> , 1987, 111, 97-103.	1.9	18
79	The vacuum ultraviolet spectrum of stannane. <i>Chemical Physics</i> , 1986, 103, 85-91.	1.9	9