Lienemann Charles-Philippe

List of Publications by Year
in descending order

58 papers	1,695 citations	293460 24 h-index	340414 39 g-index
58 all docs	58 docs citations	58 times ranked	1552 citing authors

#	Article	IF	Citations
1	ICP-MS spatial profiles in presence of ethanol and their application for the analysis of ethanol containing samples. Journal of Analytical Atomic Spectrometry, 2021, 36, 2085-2096.	1.6	6
2	Comprehensive two-dimensional liquid chromatography with inductively coupled plasma mass spectrometry detection for the characterization of sulfur, vanadium and nickel compounds in petroleum products. Journal of Chromatography A, 2020, 1611, 460605.	1.8	10
3	Profiling of Organic Compounds in Bioethanol Samples of Different Nature and the Related Fractions. ACS Omega, 2020, 5, 20912-20921.	1.6	12
4	Quantitative imaging of carbon in heterogeneous refining catalysts. Journal of Analytical Atomic Spectrometry, 2020, 35, 896-903.	1.6	8
5	Simplification of Heavy Matrices by Liquidâ€“Solid Extraction: Part Iiâ€”How to Separate the LMW, MMW, and HMW Compounds in Asphaltene Fractions for V, Ni, and S Compounds. Energy & Fuels, 2019, 33, 8110-8117.	2.5	15
6	Suitable interface for coupling liquid chromatography to inductively coupled plasma-mass spectrometry for the analysis of organic matrices. 2 Comparison of Sample Introduction Systems. Journal of Chromatography A, 2019, 1603, 380-387.	1.8	3
7	Investigation of the potential of the ICP-MS/MS for total and speciation analysis in petroleum fractions. Fuel Processing Technology, 2019, 188, 60-69.	3.7	5
8	Simplification of Heavy Matrices by Liquidâ€“Liquid Extraction: Part Iâ€”How to Separate LMW, MMW, and HMW Compounds in Maltene Fractions of V, Ni, and S Compounds. Energy & Fuels, 2019, 33, 1922-1927.	2.5	16
9	Review of the recent advances and applications of LIBS-based imaging. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2019, 151, 41-53.	1.5	138
10	Direct lead isotopic analysis of bioethanol by means of multi-collector ICP-mass spectrometry with a total consumption sample introduction system. Journal of Analytical Atomic Spectrometry, 2018, 33, 481-490.	1.6	3
11	Surface modification of SiO₂ nanoparticles to increase asphaltene adsorption. Petroleum Science and Technology, 2018, 36, 618-624.	0.7	25
12	Evolution of the metal and metalloid content along the bioethanol production process. Fuel Processing Technology, 2018, 173, 1-10.	3.7	6
13	Suitable interface for coupling liquid chromatography to inductively coupled plasma-mass spectrometry for the analysis of organic matrices. 1 Theoretical and experimental considerations on solute dispersion. Journal of Chromatography A, 2018, 1565, 68-80.	1.8	10
14	Imaging of alumina supports by laser-induced breakdown spectroscopy: A new tool to understand the diffusion of trace metal impurities. Journal of Catalysis, 2018, 363, 183-190.	3.1	14
15	Quantitative elemental imaging of heterogeneous catalysts using laser-induced breakdown spectroscopy. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2017, 133, 45-51.	1.5	23
16	Size Distributions of Sulfur, Vanadium, and Nickel Compounds in Crude Oils, Residues, and Their Saturate, Aromatic, Resin, and Asphaltene Fractions Determined by Gel Permeation Chromatography Inductively Coupled Plasma High-Resolution Mass Spectrometry. Energy & Fuels, 2017, 31, 7783-7788.	2.5	37
17	Development of a chromatographic methodology for the separation and quantification of V, Ni and S compounds in petroleum products. Fuel Processing Technology, 2017, 162, 37-44.	3.7	20
18	Understanding the impact of silicon compounds on metallic catalysts through experiments and multi-technical analysis. Comptes Rendus Chimie, 2017, 20, 55-66.	0.2	8

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19	Analysis of bioethanol samples through Inductively Coupled Plasma Mass Spectrometry with a total sample consumption system. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2016, 124, 99-108.	1.5	20
20	Study of the Aggregation of Metal Complexes with Asphaltenes Using Gel Permeation Chromatography Inductively Coupled Plasma High-Resolution Mass Spectrometry. Energy & Fuels, 2016, 30, 6907-6912.	2.5	27
21	Metal and metalloid determination in bioethanol through inductively coupled plasma-optical emission spectroscopy. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2016, 115, 16-22.	1.5	27
22	Detection and quantification of sulfur in oil products by laser-induced breakdown spectroscopy for on-line analysis. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2016, 118, 72-80.	1.5	12
23	Zn(II), Mn(II) and Sr(II) Behavior in a Natural Carbonate Reservoir System. Part II: Impact of Geological CO₂Storage Conditions. Oil and Gas Science and Technology, 2016, 71, 48.	1.4	3
24	Zn(II), Mn(II) and Sr(II) Behavior in a Natural Carbonate Reservoir System. Part I: Impact of Salinity, Initial pH and Initial Zn(II) Concentration in Atmospheric Conditions. Oil and Gas Science and Technology, 2016, 71, 47.	1.4	3
25	Mercury speciation in liquid petroleum products: Comparison between on-site approach and lab measurement using size exclusion chromatography with high resolution inductively coupled plasma mass spectrometric detection (SEC-ICP-HR MS). Fuel Processing Technology, 2015, 131, 254-261.	3.7	26
26	Metal and metalloid determination in biodiesel and bioethanol. Journal of Analytical Atomic Spectrometry, 2015, 30, 64-101.	1.6	48
27	Monitoring the behaviour and fate of nickel and vanadium complexes during vacuum residue hydrotreatment and fraction separation. Fuel Processing Technology, 2014, 119, 185-189.	3.7	31
28	Quantification of nickel, vanadium and manganese in petroleum products and biofuels through inductively coupled plasma mass spectrometry equipped with a high temperature single pass spray chamber. Journal of Analytical Atomic Spectrometry, 2014, 29, 242-248.	1.6	21
29	Characterization of silicon species issued from PDMS degradation under thermal cracking of hydrocarbons: Part 2 â€“ Liquid samples analysis by a multi-technical approach based on gas chromatography and mass spectrometry. Fuel, 2014, 116, 478-489.	3.4	16
30	Towards silicon speciation in light petroleum products using gas chromatography coupled to inductively coupled plasma mass spectrometry equipped with a dynamic reaction cell. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2014, 97, 49-56.	1.5	21
31	Determination of trace elements in petroleum products by inductively coupled plasma techniques: A critical review. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2013, 88, 104-126.	1.5	92
32	Characterization of silicon species issued from PDMS degradation under thermal cracking of hydrocarbons: Part 1 â€“ Gas samples analysis by gas chromatography-time of flight mass spectrometry. Fuel, 2013, 111, 519-527.	3.4	19
33	New Insights into Resid Desulfurization Processes: Molecular Size Dependence of Catalytic Performances Quantified by Size Exclusion Chromatography-ICP/MS. Energy & Fuels, 2013, 27, 6567-6574.	2.5	10
34	Degradation processes of polydimethylsiloxane under thermal cracking conditions of hydrocarbons in an experimental pilot plant followed by size exclusion chromatography coupled to inductively coupled plasma high resolution mass spectrometry. Fuel Processing Technology, 2012, 104, 300-309.	3.7	20
35	Development of heart-cutting multidimensional gas chromatography coupled to time of flight mass spectrometry for silicon speciation at trace levels in gasoline samples. Journal of Chromatography A, 2012, 1264, 80-86.	1.8	11
36	Combining Fourier Transform-Ion Cyclotron Resonance/Mass Spectrometry Analysis and Kendrick Plots for Silicon Speciation and Molecular Characterization in Petroleum Products at Trace Levels. Analytical Chemistry, 2012, 84, 3998-4005.	3.2	25

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37	Universal calibration for metal determination in fuels and biofuels by inductively coupled plasma atomic emission spectrometry based on segmented flow injection and a 350 Â°C heated chamber. Journal of Analytical Atomic Spectrometry, 2012, 27, 937.	1.6	51
38	Silicon speciation by hyphenated techniques for environmental, biological and industrial issues: A review. Journal of Analytical Atomic Spectrometry, 2011, 26, 30-51.	1.6	48
39	Silicon speciation by gas chromatography coupled to mass spectrometry in gasolines. Journal of Chromatography A, 2011, 1218, 9269-9278.	1.8	22
40	Fractionation and speciation of nickel and vanadium in crude oils by size exclusion chromatography-ICP MS and normal phase HPLC-ICP MS. Journal of Analytical Atomic Spectrometry, 2010, 25, 1123.	1.6	73
41	Air-segmented, 5-Î¼L flow injection associated with a 200 Â°C heated chamber to minimize plasma loading limitations and difference of behaviour between alkanes, aromatic compounds and petroleum products in inductively coupled plasma atomic emission spectrometry. Journal of Analytical Atomic Spectrometry, 2010, 25, 1888.	1.6	25
42	Effect of solvent dilution on the ICP-AES based silicon sensitivity, the aerosol characteristics and the resulting organic solution properties in the analysis of petroleum products. Journal of Analytical Atomic Spectrometry, 2010, 25, 178.	1.6	20
43	Multielement molecular size fractionation in crude oil and oil residue by size exclusion microchromatography with high resolution inductively coupled plasma mass spectrometric detection (HR ICP MS). Journal of Analytical Atomic Spectrometry, 2010, 25, 1974.	1.6	25
44	Following the evolution of morphology, composition and crystallography of alumina based catalysts after laser ablation: Implications for analysis by LA-ICP-AES. Applied Surface Science, 2009, 255, 8978-8985.	3.1	5
45	Element speciation analysis of petroleum and related materials. Journal of Analytical Atomic Spectrometry, 2009, 24, 263.	1.6	94
46	Sensitivity improvement in ICP MS analysis of fuels and light petroleum matrices using a microflow nebulizer and heated spray chamber sample introduction. Talanta, 2009, 80, 1039-1043.	2.9	62
47	Minimization of the effect of silicon chemical form in xylene matrices on ICP-AES performance. Journal of Analytical Atomic Spectrometry, 2009, 24, 1382.	1.6	23
48	Effect of the silicon chemical form on the emission intensity in inductively coupled plasma atomic emission spectrometry for xylene matrices. Journal of Analytical Atomic Spectrometry, 2009, 24, 391-401.	1.6	31
49	Î¼Flow-injectionâ€“ICP collision cell MS determination of molybdenum, nickel and vanadium in petroleum samples using a modified total consumption micronebulizer. Journal of Analytical Atomic Spectrometry, 2007, 22, 88-92.	1.6	50
50	Determination of mercury in organic solvents and gas condensates by Î¼flow-injection â€" inductively coupled plasma mass spectrometry using a modified total consumption micronebulizer fitted with single pass spray chamber. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2006, 61, 1063-1068.	1.5	34
51	Capillary electrophoresis monitoring of halide impurities in ionic liquids. Analyst, The, 2004, 129, 1257.	1.7	25
52	Evidence for a Dynamic Cycle between Mn and Co in the Water Column of a Stratified Lake. Environmental Science & Technology, 2002, 36, 468-476.	4.6	44
53	Speciation, reactivity, and cycling of Fe and Pb in a meromictic lake. Geochimica Et Cosmochimica Acta, 2000, 64, 169-183.	1.6	97
54	Identification of stoichiometric iron-phosphorus colloids produced in a eutrophic lake. Aquatic Sciences, 1999, 61, 133.	0.6	53

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55	Association of cobalt and manganese in aquatic systems: Chemical and microscopic evidence. Geochimica Et Cosmochimica Acta, 1997, 61, 1437-1446.	1.6	89
56	Enhanced visualization of polysaccharides from aqueous suspensions. Mikrochimica Acta, 1997, 126, 123-129.	2.5	8
57	EELS-ESI Identification of Heterogeneous Suspensions of Aquatic Microparticles. Microscopy Microanalysis Microstructures, 1995, 6, 41-51.	0.4	9
58	Energy filtered transmission electron microscopy for the physico-chemical characterization of aquatic submicron colloids. Mikrochimica Acta, 1994, 117, 39-47.	2.5	16