

# Leandro Wang Hantao

## List of Publications by Year in descending order

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Version: 2024-02-01

53  
papers

1,865  
citations

279487

23  
h-index

253896

43  
g-index

56  
all docs

56  
docs citations

56  
times ranked

2441  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ionic Liquids in Analytical Chemistry: Fundamentals, Advances, and Perspectives. <i>Analytical Chemistry</i> , 2014, 86, 262-285.	3.2	422
2	New materials and trends in sorbents for solid-phase extraction. <i>TrAC - Trends in Analytical Chemistry</i> , 2013, 43, 14-23.	5.8	239
3	The impact of comprehensive two-dimensional gas chromatography on oil & gas analysis: Recent advances and applications in petroleum industry. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 105, 202-217.	5.8	85
4	Intake of jaboticaba peel attenuates oxidative stress in tissues and reduces circulating saturated lipids of rats with high-fat diet-induced obesity. <i>Journal of Functional Foods</i> , 2014, 6, 450-461.	1.6	76
5	Chemical immobilization of crosslinked polymeric ionic liquids on nitinol wires produces highly robust sorbent coatings for solid-phase microextraction. <i>Analytica Chimica Acta</i> , 2014, 843, 18-26.	2.6	65
6	Multivariate curve resolution combined with gas chromatography to enhance analytical separation in complex samples: A review. <i>Analytica Chimica Acta</i> , 2012, 731, 11-23.	2.6	64
7	Simple, Expendable, 3D-Printed Microfluidic Systems for Sample Preparation of Petroleum. <i>Analytical Chemistry</i> , 2017, 89, 3460-3467.	3.2	52
8	Tuning the Selectivity of Ionic Liquid Stationary Phases for Enhanced Separation of Nonpolar Analytes in Kerosene Using Multidimensional Gas Chromatography. <i>Analytical Chemistry</i> , 2014, 86, 3717-3721.	3.2	48
9	Quantitative analysis of essential oils in perfume using multivariate curve resolution combined with comprehensive two-dimensional gas chromatography. <i>Analytica Chimica Acta</i> , 2011, 699, 120-125.	2.6	44
10	A chemometric approach toward the detection and quantification of coffee adulteration by solid-phase microextraction using polymeric ionic liquid sorbent coatings. <i>Journal of Chromatography A</i> , 2014, 1346, 1-7.	1.8	43
11	Determination of disease biomarkers in Eucalyptus by comprehensive two-dimensional gas chromatography and multivariate data analysis. <i>Journal of Chromatography A</i> , 2013, 1279, 86-91.	1.8	42
12	Point-of-use electroanalytical platform based on homemade potentiostat and smartphone for multivariate data processing. <i>Electrochimica Acta</i> , 2016, 219, 170-177.	2.6	41
13	Polymeric ionic liquid open tubular capillary column for on-line in-tube SPME coupled with UHPLC-MS/MS to determine endocannabinoids in plasma samples. <i>Analytica Chimica Acta</i> , 2019, 1045, 108-116.	2.6	40
14	Fundamentals of and recent advances in sorbent-based headspace extractions. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 139, 116252.	5.8	40
15	Comprehensive two-dimensional gas chromatography combined to multivariate data analysis for detection of disease-resistant clones of Eucalyptus. <i>Talanta</i> , 2013, 116, 1079-1084.	2.9	39
16	Acrylamide mitigation in French fries using native l-asparaginase from <i>Aspergillus oryzae</i> CCT 3940. <i>LWT - Food Science and Technology</i> , 2017, 76, 222-229.	2.5	39
17	Quantitative analysis of biodiesel in blends of biodiesel and conventional diesel by comprehensive two-dimensional gas chromatography and multivariate curve resolution. <i>Analytica Chimica Acta</i> , 2013, 796, 130-136.	2.6	37
18	Opportunities for green microextractions in comprehensive two-dimensional gas chromatography / mass spectrometry-based metabolomics – A review. <i>Analytica Chimica Acta</i> , 2018, 1040, 1-18.	2.6	37

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19	Detection of extraction artifacts in the analysis of honey volatiles using comprehensive two-dimensional gas chromatography. <i>Food Chemistry</i> , 2013, 141, 1828-1833.	4.2	35
20	Identifying important structural features of ionic liquid stationary phases for the selective separation of nonpolar analytes by comprehensive two-dimensional gas chromatography. <i>Journal of Chromatography A</i> , 2015, 1386, 89-97.	1.8	32
21	Characterization of the aroma profile of novel Brazilian wines by solid-phase microextraction using polymeric ionic liquid sorbent coatings. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 4749-4762.	1.9	31
22	Microstructural characterization of nanocellulose foams prepared in the presence of cationic surfactants. <i>Carbohydrate Polymers</i> , 2018, 195, 153-162.	5.1	29
23	Simple and cost-effective determination of polychlorinated biphenyls in insulating oils using an ionic liquid-based stationary phase and flow modulated comprehensive two-dimensional gas chromatography with electron capture detection. <i>Journal of Chromatography A</i> , 2020, 1610, 460530.	1.8	24
24	Identification of volatiles from pineapple ( <i>Ananas comosus</i> L.) pulp by comprehensive two-dimensional gas chromatography and gas chromatography/mass spectrometry. <i>Journal of Separation Science</i> , 2011, 34, 1547-1554.	1.3	23
25	Solid-phase microextraction combined with comprehensive two-dimensional gas chromatography for fatty acid profiling of cell wall phospholipids. <i>Journal of Separation Science</i> , 2012, 35, 2438-2444.	1.3	23
26	Quantitative analysis by comprehensive two-dimensional gas chromatography using interval Multi-way Partial Least Squares calibration. <i>Talanta</i> , 2011, 83, 1302-1307.	2.9	21
27	Thermal desorption modulation for comprehensive two-dimensional gas chromatography using a simple and inexpensive segmented-loop fluidic interface. <i>Talanta</i> , 2017, 164, 470-476.	2.9	18
28	A Bottom-Up Approach for Data Mining in Bioaromatization of Beers Using Flow-Modulated Comprehensive Two-Dimensional Gas Chromatography/Mass Spectrometry. <i>Separations</i> , 2019, 6, 46.	1.1	18
29	Exploring a public database to evaluate consumer preference and aroma profile of lager beers by comprehensive two-dimensional gas chromatography and partial least squares regression discriminant analysis. <i>Journal of Chromatography A</i> , 2020, 1630, 461529.	1.8	18
30	Consumable-free Comprehensive Three-Dimensional Gas Chromatography and PARAFAC for Determination of Allergens in Perfumes. <i>Chromatographia</i> , 2020, 83, 581-592.	0.7	12
31	Simple Solid-Phase Extraction Method for High Efficiency and Low-Cost Crude Oil Demulsification. <i>Energy &amp; Fuels</i> , 2016, 30, 4667-4675.	2.5	11
32	Naphthenic Acids: Formation, Role in Emulsion Stability, and Recent Advances in Mass Spectrometry-Based Analytical Methods. <i>Journal of Analytical Methods in Chemistry</i> , 2021, 2021, 1-15.	0.7	11
33	Metabolic profiling by ultra-performance liquid chromatography-mass spectrometry and parallel factor analysis for the determination of disease biomarkers in <i>Eucalyptus</i> . <i>Metabolomics</i> , 2014, 10, 1318-1325.	1.4	10
34	Metabolic Profiling of <i>Varronia curassavica</i> Jacq. Terpenoids by Flow Modulated Two-Dimensional Gas Chromatography Coupled to Mass Spectrometry. <i>Separations</i> , 2020, 7, 18.	1.1	10
35	Use of color based chromatographic images obtained from comprehensive two-dimensional gas chromatography in authentication analyses. <i>Talanta</i> , 2021, 234, 122616.	2.9	10
36	Sample Preparation for Solid Petroleum-Based Matrices Based on Direct Matrix Introduction Oriented to Hydrocarbon Profiling. <i>Energy &amp; Fuels</i> , 2020, 34, 10705-10712.	2.5	9

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37	Profiling naphthenic acids in produced water using hollow fiber liquid-phase microextraction combined with gas chromatography coupled to Fourier transform Orbitrap mass spectrometry. <i>Journal of Chromatography A</i> , 2021, 1655, 462485.	1.8	9
38	Evaluation of the retention profile in flow-modulated comprehensive two-dimensional gas chromatography and independent component analysis of weathered heavy oils. <i>Microchemical Journal</i> , 2022, 172, 106978.	2.3	8
39	Essential Oils of New <i>Lippia alba</i> Genotypes Analyzed by Flow-Modulated Comprehensive Two-Dimensional Gas Chromatography (GC <sub>A</sub> –GC) and Chemometric Analysis. <i>Molecules</i> , 2021, 26, 2332.	1.7	7
40	Chemical diversity of essential oils from the Brazilian medicinal plant <i>Lychnophora pinaster</i> Mart from different environments. <i>Industrial Crops and Products</i> , 2020, 156, 112856.	2.5	6
41	Drinking water nitrosamines in a large metropolitan region in Brazil. <i>Environmental Science and Pollution Research</i> , 2021, 28, 32823-32830.	2.7	6
42	Advanced tuning of the ion management parameters in GC-MS–GC-HRMS using a Fourier transform Orbitrap mass analyzer for pixel-based data handling and multivariate analysis. <i>Analytical Methods</i> , 2022, 14, 1646-1654.	1.3	6
43	Rapid evaporative ionization mass spectrometry (REIMS) combined with chemometrics for real-time beer analysis. <i>Analytical Methods</i> , 2022, 14, 1540-1546.	1.3	5
44	Profiling organic acids in produced water samples using vacuum-assisted sorbent extraction and gas chromatography coupled to Fourier transform Orbitrap mass spectrometry. <i>Microchemical Journal</i> , 2022, 180, 107581.	2.3	5
45	Improving selective channel occlusion of complex hydrocarbons and fatty acid methyl esters in urea crystals by using an expendable 3D-printed microfluidic device for sample preparation in untargeted petroleomics. <i>Analytica Chimica Acta</i> , 2021, 1160, 338425.	2.6	3
46	Evidence of altitudinal gradient modifying genomic and chemical diversity in populations of <i>Lychnophora pinaster</i> Mart.. <i>Phytochemistry</i> , 2021, 192, 112898.	1.4	3
47	IONIC LIQUID STATIONARY PHASES IN GAS CHROMATOGRAPHY: FUNDAMENTALS, RECENT ADVANCES, AND PERSPECTIVES. <i>Quimica Nova</i> , 2015, , .	0.3	3
48	Disinfection byproducts in emerging countries. , 2022, , 241-266.		2
49	Petrochemical applications of gas chromatography. , 2021, , 655-673.		1
50	Fast High-Resolution Mass Spectrometry and Chemometrics for Evaluation of Sensory Parameters of Commercial Coffee Blends. <i>Brazilian Journal of Analytical Chemistry</i> , 2021, 8, .	0.3	1
51	Practical Considerations in Method Development for Gas Chromatography-Based Metabolomic Profiling. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1336, 139-157.	0.8	1
52	Determination of Fuel Origin by Comprehensive 2D GC-FID and Parallel Factor Analysis. <i>Journal of the Brazilian Chemical Society</i> , 2013, , .	0.6	1
53	The Role of Gas Chromatography in Bioanalysis. , 2022, , 361-376.		0