

Jim Luong

List of Publications by Year in descending order

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57
papers

855
citations

566801

15
h-index

552369

26
g-index

57
all docs

57
docs citations

57
times ranked

736
citing authors

#	ARTICLE	IF	CITATIONS
1	Volatile organic compounds and odorants analysis in industrial gas chromatography. <i>Comprehensive Analytical Chemistry</i> , 2022, , .	0.7	0
2	Targeted Analysis of Microplastics Using Discrete Frequency Infrared Imaging. <i>Analytical Chemistry</i> , 2022, 94, 3029-3034.	3.2	4
3	Advances in Automated Piston Liquid-Liquid Microextraction Technique. <i>Journal of Chromatography A</i> , 2021, 1651, 462330.	1.8	1
4	Post-column reaction with a 3D-printed two-stage microreactor and flame ionization detection for carbon compound independent response in fast gas chromatography. <i>Journal of Chromatography A</i> , 2020, 1609, 460460.	1.8	4
5	Quasi-Stop-Flow Modulation Strategy for Comprehensive Two-Dimensional Gas Chromatography. <i>Analytical Chemistry</i> , 2020, 92, 6251-6256.	3.2	11
6	Uniformity and Sensitivity Improvements in Comprehensive Two-Dimensional Gas Chromatography Using Flame Ionization Detection with Post-Column Reaction. <i>Analytical Chemistry</i> , 2019, 91, 11223-11230.	3.2	6
7	Metal 3D-printed catalytic jet and flame ionization detection for in situ trace carbon oxides analysis by gas chromatography. <i>Journal of Separation Science</i> , 2019, 42, 2826-2834.	1.3	9
8	Two-dimensional liquid chromatography with active solvent modulation for studying monomer incorporation in copolymer dispersants. <i>Journal of Separation Science</i> , 2019, 42, 2805-2815.	1.3	19
9	Post-column reaction gas chromatography with a two-stage microreactor for the determination of volatile oxygenated compounds in high-pressure liquefied hydrocarbons. <i>Analytical Methods</i> , 2019, 11, 276-281.	1.3	6
10	Direct Measurement of Elemental Mercury Using Multidimensional Gas Chromatography with Microwave-Induced Helium Plasma Atomic Emission Spectroscopy. <i>ACS Earth and Space Chemistry</i> , 2018, 2, 471-478.	1.2	16
11	<i>In situ</i> methanation with flame ionization detection for the determination of carbon dioxide in various matrices. <i>Analytical Methods</i> , 2018, 10, 1275-1279.	1.3	5
12	Flow injection gas chromatography with sulfur chemiluminescence detection for the analysis of total sulfur in complex hydrocarbon matrixes. <i>Journal of Separation Science</i> , 2018, 41, 469-474.	1.3	2
13	Gas Chromatography with In Situ Catalytic Hydrogenolysis and Flame Ionization Detection for the Direct Measurement of Formaldehyde and Acetaldehyde in Challenging Matrices. <i>Analytical Chemistry</i> , 2018, 90, 13855-13859.	3.2	16
14	Miniaturized micromachined gas chromatography with universal and selective detectors for targeted volatile compounds analysis. <i>Journal of Chromatography A</i> , 2018, 1573, 151-155.	1.8	10
15	Positive Temperature Coefficient Compensating Heating for Analytical Devices. <i>Analytical Chemistry</i> , 2018, 90, 6426-6430.	3.2	8
16	Gas chromatography with simultaneous detection: Ultraviolet spectroscopy, flame ionization, and mass spectrometry. <i>Journal of Chromatography A</i> , 2018, 1563, 171-179.	1.8	7
17	Gas chromatography with diode array detection in series with flame ionisation detection. <i>Journal of Chromatography A</i> , 2017, 1500, 153-159.	1.8	8
18	A simplified approach in flow controlled multi-dimensional gas chromatography. <i>Analytical Methods</i> , 2017, 9, 2835-2839.	1.3	2

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19	High-throughput gas chromatography for volatile compounds analysis by fast temperature programming and adsorption chromatography. <i>Journal of Separation Science</i> , 2017, 40, 1979-1984.	1.3	5
20	Differential ion mobility spectrometry with temperature programmable micromachined gas chromatography for the determination of bis(chloromethyl)ether. <i>Analytical Methods</i> , 2017, 9, 5003-5008.	1.3	1
21	Gas chromatography and diode array detection for the direct measurement of carbon disulfide in challenging matrices. <i>Analytical Methods</i> , 2017, 9, 3908-3913.	1.3	5
22	Ultra-trace analysis of furanic compounds in transformer/rectifier oils with water extraction and high-performance liquid chromatography. <i>Journal of Separation Science</i> , 2016, 39, 2777-2784.	1.3	6
23	A brief history and recent advances in ozone induced chemiluminescence detection for the determination of sulfur compounds by gas chromatography. <i>Analytical Methods</i> , 2016, 8, 7014-7024.	1.3	22
24	Thermal Independent Modulator for Comprehensive Two-Dimensional Gas Chromatography. <i>Analytical Chemistry</i> , 2016, 88, 8428-8432.	3.2	45
25	Trace-level screening of dichlorophenols in processed dairy milk by headspace gas chromatography. <i>Journal of Separation Science</i> , 2016, 39, 3957-3963.	1.3	7
26	Back-flushing and heart cut capillary gas chromatography using planar microfluidic Deans™ switching for the separation of benzene and alkylbenzenes in industrial samples. <i>Journal of Chromatography A</i> , 2015, 1421, 123-128.	1.8	4
27	Piston-cylinder based micro liquid-liquid extraction with GC-qMS for trace analysis of targeted chlorinated organic compounds in water. <i>Canadian Journal of Chemistry</i> , 2015, 93, 1283-1289.	0.6	3
28	Determination of furfurals in Manuka honey using piston-cylinder liquid-liquid extraction and gas chromatography. <i>Journal of Chromatography A</i> , 2014, 1362, 43-48.	1.8	9
29	Multidimensional GC using planar microfluidic devices for the characterization of phenolic antioxidants in fuels. <i>Journal of Separation Science</i> , 2013, 36, 2738-2745.	1.3	7
30	Determination of trace ethylene glycol in industrial solvents and lubricants using phenyl boronic acid derivatization and multidimensional gas chromatography. <i>Analytica Chimica Acta</i> , 2013, 805, 101-106.	2.6	10
31	Planar microfluidic devices in flow modulated comprehensive two dimensional gas chromatography for challenging petrochemical applications. <i>Analytical Methods</i> , 2013, 5, 6598.	1.3	14
32	Multidimensional gas chromatography for the characterization of permanent gases and light hydrocarbons in catalytic cracking process. <i>Journal of Chromatography A</i> , 2013, 1271, 185-191.	1.8	20
33	Applications of planar microfluidic devices and gas chromatography for complex problem solving. <i>Journal of Separation Science</i> , 2013, 36, 182-191.	1.3	23
34	Tandem sulfur chemiluminescence and flame ionization detection with planar microfluidic devices for the characterization of sulfur compounds in hydrocarbon matrices. <i>Journal of Chromatography A</i> , 2013, 1297, 231-235.	1.8	12
35	Multidimensional gas chromatography using microfluidic switching and low thermal mass gas chromatography for the characterization of targeted volatile organic compounds. <i>Journal of Chromatography A</i> , 2013, 1288, 105-110.	1.8	13
36	Characterization of Phenol and Alkyl Phenols in Organic Matrixes with Monoethylene Glycol Extraction and Multidimensional Gas Chromatography/Mass Spectrometry. <i>Analytical Chemistry</i> , 2013, 85, 6219-6223.	3.2	10

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37	Temperature-Programmable Resistively Heated Micromachined Gas Chromatography and Differential Mobility Spectrometry Detection for the Determination of Non-Sulfur Odorants in Natural Gas. <i>Analytical Chemistry</i> , 2013, 85, 3369-3373.	3.2	9
38	Developments in Ultra-Fast Temperature Programming with Silicon Micromachined Gas Chromatography: Performance and Limitations. <i>Journal of Chromatographic Science</i> , 2012, 50, 245-252.	0.7	7
39	Multi-dimensional gas chromatography with a planar microfluidic device for the characterization of volatile oxygenated organic compounds. <i>Journal of Chromatography A</i> , 2012, 1255, 216-220.	1.8	13
40	Temperature-programmable low thermal mass silicon micromachined gas chromatography and differential mobility detection for the fast analysis of trace level of ethylene oxide in medical work place atmospheres. <i>Journal of Chromatography A</i> , 2012, 1261, 136-141.	1.8	4
41	Direct measurement of part-per-billion levels of dimethyl sulfoxide in water by gas chromatography with stacked injection and chemiluminescence detection. <i>Journal of Separation Science</i> , 2012, 35, 1486-1493.	1.3	3
42	Resistively heated temperature programmable silicon micromachined gas chromatography with differential mobility spectrometry. <i>International Journal for Ion Mobility Spectrometry</i> , 2012, 15, 179-187.	1.4	6
43	Thermal Modulation for Multidimensional Liquid Chromatography Separations Using Low-Thermal-Mass Liquid Chromatography (LC). <i>Analytical Chemistry</i> , 2011, 83, 7053-7060.	3.2	43
44	Analysis of part-per-billion level of arsine and phosphine in light hydrocarbons by capillary flow technology and dielectric barrier discharge detector. <i>Journal of Chromatography A</i> , 2010, 1217, 348-352.	1.8	16
45	Comprehensive two dimensional gas chromatography review. <i>Journal of Separation Science</i> , 2009, 32, 883-904.	1.3	158
46	Practical method for the measurement of Alkyl mercaptans in natural gas by multi-dimensional gas chromatography, capillary flow technology, and flame ionization detection. <i>Journal of Chromatography A</i> , 2009, 1216, 2776-2782.	1.8	15
47	Dual-purpose gas chromatographic injection device for pressurized liquid and gas injection. <i>Journal of Chromatography A</i> , 2009, 1216, 2740-2748.	1.8	7
48	Multidimensional gas chromatography with capillary flow technology and LTM-GC. <i>Journal of Separation Science</i> , 2008, 31, 3385-3394.	1.3	23
49	Capillary Flow Technology with Multi-Dimensional Gas Chromatography for Trace Analysis of Oxygenated Compounds in Complex Hydrocarbon Matrices. <i>Journal of Chromatographic Science</i> , 2007, 45, 664-670.	0.7	19
50	A Unified Approach for the Measurement of Individual or Total Volatile Organic Sulfur Compounds in Hydrocarbon Matrices by Dual-Plasma Chemiluminescence Detector and Low Thermal Mass Gas Chromatography. <i>Journal of Chromatographic Science</i> , 2007, 45, 671-676.	0.7	8
51	Stacked Injection with Low Thermal Mass Gas Chromatography for PPB Level Detection of Oxygenated Compounds in Hydrocarbons. <i>Journal of Chromatographic Science</i> , 2006, 44, 219-226.	0.7	8
52	Low Thermal Mass Gas Chromatography: Principles and Applications. <i>Journal of Chromatographic Science</i> , 2006, 44, 253-261.	0.7	44
53	Gas Chromatography with State-of-the-Art Micromachined Differential Mobility Detection: Operation and Industrial Applications. <i>Journal of Chromatographic Science</i> , 2006, 44, 276-282.	0.7	18
54	Gas Chromatographic Applications with the Dielectric Barrier Discharge Detector. <i>Journal of Chromatographic Science</i> , 2006, 44, 101-107.	0.7	26

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55	Innovations in High-Pressure Liquid Injection Technique for Gas Chromatography: Pressurized Liquid Injection System. <i>Journal of Chromatographic Science</i> , 2003, 41, 550-559.	0.7	6
56	Developments in stationary phase technology for gas chromatography. <i>TrAC - Trends in Analytical Chemistry</i> , 2002, 21, 594-607.	5.8	57
57	Determination of low levels of formaldehyde and acetaldehyde by gas chromatography/flame ionization detection with a nickel catalyst. <i>Journal of High Resolution Chromatography</i> , 1996, 19, 591-594.	2.0	15