

Luigi Mondello

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496
papers

13,444
citations

58
h-index

82
g-index

529
ext. papers

15,228
ext. citations

4.3
avg, IF

6.6
L-index

#	Paper	IF	Citations
496	Comprehensive two-dimensional gas chromatography-mass spectrometry: a review. <i>Mass Spectrometry Reviews</i> , 2008 , 27, 101-24	11	310
495	Comprehensive multidimensional liquid chromatography: theory and applications. <i>Journal of Chromatography A</i> , 2008 , 1184, 353-68	4.5	269
494	Characterisation of lavender essential oils by using gas chromatography-mass spectrometry with correlation of linear retention indices and comparison with comprehensive two-dimensional gas chromatography. <i>Journal of Chromatography A</i> , 2002 , 970, 225-34	4.5	179
493	Gas chromatography-olfactometry in food flavour analysis. <i>Journal of Chromatography A</i> , 2008 , 1186, 123-43	4.5	171
492	Linear retention indices in gas chromatographic analysis: a review. <i>Flavour and Fragrance Journal</i> , 2008 , 23, 297-314	2.5	159
491	Comprehensive two-dimensional normal-phase (adsorption)-reversed-phase liquid chromatography. <i>Analytical Chemistry</i> , 2004 , 76, 2525-30	7.8	141
490	Protective effects of cyanidin-3-O-glucoside from blackberry extract against peroxynitrite-induced endothelial dysfunction and vascular failure. <i>Life Sciences</i> , 2003 , 73, 1097-114	6.8	132
489	Quantitative analysis of essential oils: a complex task. <i>Flavour and Fragrance Journal</i> , 2008 , 23, 382-391	2.5	131
488	Protective effects of anthocyanins from blackberry in a rat model of acute lung inflammation. <i>Free Radical Research</i> , 2003 , 37, 891-900	4	126
487	Comprehensive two-dimensional liquid chromatography combined with mass spectrometric detection in the analyses of triacylglycerols in natural lipidic matrixes. <i>Journal of Chromatography A</i> , 2006 , 1112, 269-75	4.5	124
486	LC-MS for the identification of oxygen heterocyclic compounds in citrus essential oils. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2000 , 24, 147-54	3.5	122
485	Identification of anthocyanins in berries by narrow-bore high-performance liquid chromatography with electrospray ionization detection. <i>Journal of Agricultural and Food Chemistry</i> , 2001 , 49, 3987-92	5.7	121
484	Determination of flavonoids in citrus juices by micro-HPLC-ESI/MS. <i>Journal of Separation Science</i> , 2005 , 28, 1149-56	3.4	117
483	Comprehensive two-dimensional liquid chromatography with parallel gradients for separation of phenolic and flavone antioxidants. <i>Journal of Chromatography A</i> , 2007 , 1149, 73-87	4.5	116
482	Silver-ion reversed-phase comprehensive two-dimensional liquid chromatography combined with mass spectrometric detection in lipidic food analysis. <i>Journal of Chromatography A</i> , 2005 , 1086, 91-8	4.5	105
481	Off-line coupling of non-aqueous reversed-phase and silver ion high-performance liquid chromatography-mass spectrometry for the characterization of rice oil triacylglycerol positional isomers. <i>Journal of Chromatography A</i> , 2004 , 1041, 135-42	4.5	104
480	A comparison between different techniques for the isolation of rosemary essential oil. <i>Journal of Separation Science</i> , 2005 , 28, 273-80	3.4	102

479	Modulators for comprehensive two-dimensional gas chromatography. <i>TrAC - Trends in Analytical Chemistry</i> , 2011 , 30, 1437-1461	14.6	95
478	Elucidation of carotenoid patterns in citrus products by means of comprehensive normal-phase x reversed-phase liquid chromatography. <i>Analytical Chemistry</i> , 2006 , 78, 7743-50	7.8	95
477	Determination of phospholipids in milk samples by means of hydrophilic interaction liquid chromatography coupled to evaporative light scattering and mass spectrometry detection. <i>Journal of Chromatography A</i> , 2011 , 1218, 6476-82	4.5	93
476	GCMS, GC and enantioselective investigation of the essential oil of <i>Tarhnonanthus camphoratus</i> L.. <i>Flavour and Fragrance Journal</i> , 2008 , 23, 40-48	2.5	89
475	Comprehensive two-dimensional gas chromatography in combination with rapid scanning quadrupole mass spectrometry in perfume analysis. <i>Journal of Chromatography A</i> , 2005 , 1067, 235-43	4.5	87
474	Use of ionic liquids as stationary phases in hyphenated gas chromatography techniques. <i>Journal of Chromatography A</i> , 2012 , 1255, 130-44	4.5	85
473	Chemical characterization of Sacha Inchi (<i>Plukenetia volubilis</i> L.) oil. <i>Journal of Agricultural and Food Chemistry</i> , 2011 , 59, 13043-9	5.7	84
472	Comprehensive two-dimensional gas chromatography-mass spectrometry: Recent evolution and current trends. <i>Mass Spectrometry Reviews</i> , 2016 , 35, 524-34	11	81
471	High efficiency liquid chromatography techniques coupled to mass spectrometry for the characterization of mate extracts. <i>Journal of Chromatography A</i> , 2009 , 1216, 7213-21	4.5	81
470	Comprehensive two-dimensional chromatography in food analysis. <i>Journal of Chromatography A</i> , 2004 , 1054, 3-16	4.5	81
469	Potential of comprehensive chromatography in food analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2013 , 52, 186-205	14.6	80
468	Evaluation of a rapid-scanning quadrupole mass spectrometer in an apolar ionic-liquid comprehensive two-dimensional gas chromatography system. <i>Analytical Chemistry</i> , 2010 , 82, 8583-90	7.8	80
467	Analysis of roasted coffee bean volatiles by using comprehensive two-dimensional gas chromatography-time-of-flight mass spectrometry. <i>Journal of Chromatography A</i> , 2004 , 1054, 57-65	4.5	80
466	Heart-cutting multidimensional gas chromatography: a review of recent evolution, applications, and future prospects. <i>Analytica Chimica Acta</i> , 2012 , 716, 66-75	6.6	79
465	Two-dimensional and serial column reversed-phase separation of phenolic antioxidants on octadecyl-, polyethyleneglycol-, and pentafluorophenylpropyl-silica columns. <i>Journal of Separation Science</i> , 2006 , 29, 555-66	3.4	79
464	Employing ultra high pressure liquid chromatography as the second dimension in a comprehensive two-dimensional system for analysis of <i>Stevia rebaudiana</i> extracts. <i>Journal of Chromatography A</i> , 2011 , 1218, 2012-8	4.5	78
463	Comprehensive normal-phase x reversed-phase liquid chromatography coupled to photodiode array and mass spectrometry detection for the analysis of free carotenoids and carotenoid esters from mandarin. <i>Journal of Chromatography A</i> , 2008 , 1189, 196-206	4.5	75
462	Separation of triacylglycerols in a complex lipidic matrix by using comprehensive two-dimensional liquid chromatography coupled with atmospheric pressure chemical ionization mass spectrometric detection. <i>Journal of Separation Science</i> , 2006 , 29, 1146-54	3.4	74

461	Development of different comprehensive two dimensional systems for the separation of phenolic antioxidants. <i>Journal of Separation Science</i> , 2006 , 29, 2500-13	3.4	74
460	Detailed analysis and group-type separation of natural fats and oils using comprehensive two-dimensional gas chromatography. <i>Journal of Chromatography A</i> , 2003 , 1019, 187-96	4.5	74
459	Evaluation of a medium-polarity ionic liquid stationary phase in the analysis of flavor and fragrance compounds. <i>Analytical Chemistry</i> , 2011 , 83, 7947-54	7.8	72
458	Reliable characterization of coffee bean aroma profiles by automated headspace solid phase microextraction-gas chromatography-mass spectrometry with the support of a dual-filter mass spectra library. <i>Journal of Separation Science</i> , 2005 , 28, 1101-9	3.4	71
457	Analysis of Citrus essential oils: state of the art and future perspectives. A review.. <i>Flavour and Fragrance Journal</i> , 2012 , 27, 98-123	2.5	70
456	Comprehensive multidimensional GC for the characterization of roasted coffee beans. <i>Journal of Separation Science</i> , 2004 , 27, 442-50	3.4	70
455	Mass spectrometry detection in comprehensive liquid chromatography: basic concepts, instrumental aspects, applications and trends. <i>Mass Spectrometry Reviews</i> , 2012 , 31, 523-59	11	69
454	Comprehensive two-dimensional liquid chromatography to quantify polyphenols in red wines. <i>Journal of Chromatography A</i> , 2009 , 1216, 7483-7	4.5	69
453	Comprehensive chromatographic methods for the analysis of lipids. <i>TrAC - Trends in Analytical Chemistry</i> , 2007 , 26, 191-205	14.6	69
452	Native carotenoids composition of some tropical fruits. <i>Food Chemistry</i> , 2013 , 140, 825-36	8.5	67
451	Use of partially porous column as second dimension in comprehensive two-dimensional system for analysis of polyphenolic antioxidants. <i>Journal of Separation Science</i> , 2008 , 31, 3297-308	3.4	67
450	Analysis of phenolic compounds in different parts of pomegranate (<i>Punica granatum</i>) fruit by HPLC-PDA-ESI/MS and evaluation of their antioxidant activity: application to different Italian varieties. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 3507-3520	4.4	65
449	Conventional and fast gas chromatography analysis of biodiesel blends using an ionic liquid stationary phase. <i>Journal of Chromatography A</i> , 2009 , 1216, 8992-7	4.5	65
448	Multidimensional Tandem Capillary Gas Chromatography System for the Analysis of Real Complex Samples. Part I: Development of a Fully Automated Tandem Gas Chromatography System. <i>Journal of Chromatographic Science</i> , 1998 , 36, 201-209	1.4	64
447	Capillary-liquid chromatography (CLC) and nano-LC in food analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2013 , 52, 226-238	14.6	63
446	Characterization of the anthocyanin fraction of sicilian blood orange juice by micro-HPLC-ESI/MS. <i>Journal of Agricultural and Food Chemistry</i> , 2003 , 51, 1173-6	5.7	63
445	Multidimensional Capillary GC for the Analysis of Complex Samples. 5. Enantiomeric Distribution of Monoterpene Hydrocarbons, Monoterpene Alcohols, and Linalyl Acetate of Bergamot (<i>Citrus bergamia</i> Risso et Poiteau) Oils. <i>Journal of Agricultural and Food Chemistry</i> , 1998 , 46, 4275-4282	5.7	63
444	Stop-flow comprehensive two-dimensional liquid chromatography combined with mass spectrometric detection for phospholipid analysis. <i>Journal of Chromatography A</i> , 2013 , 1278, 46-53	4.5	61

443	Interactive use of linear retention indices, on polar and apolar columns, with a ms-library for reliable identification of complex mixtures. <i>Journal of Separation Science</i> , 1995 , 7, 581-591		61
442	Separation of organophosphorus pesticides by using nano-liquid chromatography. <i>Journal of Chromatography A</i> , 2009 , 1216, 3970-6	4.5	60
441	Evaluation of use of a dicationic liquid stationary phase in the fast and conventional gas chromatographic analysis of health-hazardous C18 cis/trans fatty acids. <i>Analytical Chemistry</i> , 2009 , 81, 5561-8	7.8	60
440	Evaluation of fast gas chromatography and gas chromatography-mass spectrometry in the analysis of lipids. <i>Journal of Chromatography A</i> , 2004 , 1035, 237-47	4.5	60
439	Studies on the essential oil-bearing plants of Bangladesh. Part VIII. Composition of some <i>Ocimum</i> oils <i>O. basilicum</i> L. var. <i>purpurascens</i> ; <i>O. sanctum</i> L. green; <i>O. sanctum</i> L. purple; <i>O. americanum</i> L., citral type; <i>O. americanum</i> L., camphor type. <i>Flavour and Fragrance Journal</i> , 2002 , 17, 335-340	2.5	58
438	Automated HPLC-HRGC: A powerful method for essential oils analysis. Part V. identification of terpene hydrocarbons of bergamot, lemon, mandarin, sweet orange, bitter orange, grapefruit, clementine and mexican lime oils by coupled HPLC-HRGC-MS(ITD). <i>Flavour and Fragrance Journal</i> , 2007 , 16, 33-46	2.5	58
437	Application of comprehensive two-dimensional liquid chromatography to elucidate the native carotenoid composition in red orange essential oil. <i>Journal of Agricultural and Food Chemistry</i> , 2008 , 56, 3478-85	5.7	57
436	Enantiomer identification in the flavour and fragrance fields by "interactive" combination of linear retention indices from enantioselective gas chromatography and mass spectrometry. <i>Journal of Chromatography A</i> , 2008 , 1195, 117-26	4.5	57
435	Rapid, micro-scale preparation and very fast gas chromatographic separation of cod liver oil fatty acid methyl esters. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2006 , 41, 1566-70	3.5	57
434	Comprehensive two-dimensional liquid chromatography-tandem mass spectrometry for the simultaneous determination of wine polyphenols and target contaminants. <i>Journal of Chromatography A</i> , 2016 , 1458, 54-62	4.5	54
433	Online comprehensive RPLC [RPLC with mass spectrometry detection for the analysis of proteome samples. <i>Analytical Chemistry</i> , 2011 , 83, 2485-91	7.8	54
432	Underestimated sources of flavonoids, limonoids and dietary fibre: Availability in lemon's by-products. <i>Journal of Functional Foods</i> , 2014 , 9, 18-26	5.1	53
431	Multiple headspace-solid-phase microextraction: an application to quantification of mushroom volatiles. <i>Analytica Chimica Acta</i> , 2013 , 770, 1-6	6.6	53
430	Ultra high pressure in the second dimension of a comprehensive two-dimensional liquid chromatographic system for carotenoid separation in red chili peppers. <i>Journal of Chromatography A</i> , 2012 , 1255, 244-51	4.5	52
429	Electronic nose and GC-MS analysis of volatile compounds in <i>Tuber magnatum</i> Pico: evaluation of different storage conditions. <i>Food Chemistry</i> , 2013 , 136, 668-74	8.5	52
428	Analysis of anthocyanins in commercial fruit juices by using nano-liquid chromatography-electrospray-mass spectrometry and high-performance liquid chromatography with UV-vis detector. <i>Journal of Separation Science</i> , 2011 , 34, 150-9	3.4	51
427	Determination of oxygen heterocyclic components in citrus products by HPLC with UV detection. <i>Journal of Agricultural and Food Chemistry</i> , 2009 , 57, 6543-51	5.7	51
426	Generation of improved gas linear velocities in a comprehensive two-dimensional gas chromatography system. <i>Analytical Chemistry</i> , 2007 , 79, 2266-75	7.8	51

425	Characterization of the polyphenolic fraction of <i>Morus alba</i> leaves extracts by HPLC coupled to a hybrid IT-TOF MS system. <i>Journal of Separation Science</i> , 2009 , 32, 3627-34	3.4	50
424	Odour fingerprint acquisition by means of comprehensive two-dimensional gas chromatography-olfactometry and comprehensive two-dimensional gas chromatography/mass spectrometry. <i>Journal of Chromatography A</i> , 2007 , 1141, 279-86	4.5	50
423	Increasing Compound Identification Rates in Untargeted Lipidomics Research with Liquid Chromatography Drift Time-Ion Mobility Mass Spectrometry. <i>Analytical Chemistry</i> , 2018 , 90, 10758-10764	7.8	49
422	Determination of anthocyanins in blood orange juices by HPLC analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2000 , 23, 191-5	3.5	49
421	The Contribution of Carotenoids, Phenolic Compounds, and Flavonoids to the Antioxidative Properties of Marine Microalgae Isolated from Mediterranean Morocco. <i>Molecules</i> , 2019 , 24,	4.8	48
420	<i>Betula pendula</i> leaves: polyphenolic characterization and potential innovative use in skin whitening products. <i>Phytotherapy</i> , 2012 , 83, 877-82	3.2	48
419	Quantification in comprehensive two-dimensional liquid chromatography. <i>Analytical Chemistry</i> , 2008 , 80, 5418-24	7.8	48
418	Multidimensional Capillary GC-GC for the Analysis of Real Complex Samples. 3. Enantiomeric Distribution of Monoterpene Hydrocarbons and Monoterpene Alcohols of Mandarin Oils. <i>Journal of Agricultural and Food Chemistry</i> , 1998 , 46, 54-61	5.7	48
417	Characterisation of lipid fraction of marine macroalgae by means of chromatography techniques coupled to mass spectrometry. <i>Food Chemistry</i> , 2014 , 145, 932-40	8.5	46
416	High performance characterization of triacylglycerols in milk and milk-related samples by liquid chromatography and mass spectrometry. <i>Journal of Chromatography A</i> , 2014 , 1360, 172-87	4.5	46
415	Epoxy-carotenoids esters analysis in intact orange juices using two-dimensional comprehensive liquid chromatography. <i>Journal of Separation Science</i> , 2009 , 32, 973-80	3.4	46
414	Analysis of roasted coffee bean volatiles by using comprehensive two-dimensional gas chromatography-time-of-flight mass spectrometry 2004 , 1054, 57-57		46
413	Nano Liquid Chromatography Directly Coupled to Electron Ionization Mass Spectrometry for Free Fatty Acid Elucidation in Mussel. <i>Analytical Chemistry</i> , 2016 , 88, 4021-8	7.8	45
412	Multidimensional liquid chromatography in food analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2017 , 96, 116-123	14.6	45
411	Deterpenation of sweet orange and lemon essential oils with supercritical carbon dioxide using silica gel as an adsorbent. <i>Flavour and Fragrance Journal</i> , 1995 , 10, 51-58	2.5	45
410	Complementary analytical liquid chromatography methods for the characterization of aqueous phase from pyrolysis of lignocellulosic biomasses. <i>Analytical Chemistry</i> , 2014 , 86, 11255-62	7.8	44
409	Underestimated sources of flavonoids, limonoids and dietary fiber: Availability in orange's by-products. <i>Journal of Functional Foods</i> , 2015 , 12, 150-157	5.1	43
408	Direct online extraction and determination by supercritical fluid extraction with chromatography and mass spectrometry of targeted carotenoids from red Habanero peppers (<i>Capsicum chinense</i> Jacq.). <i>Journal of Separation Science</i> , 2017 , 40, 3905-3913	3.4	43

407	The protective effect of bergamot oil extract on lecithine-like oxyLDL receptor-1 expression in balloon injury-related neointima formation. <i>Journal of Cardiovascular Pharmacology and Therapeutics</i> , 2008 , 13, 120-9	2.6	43
406	Determination of flavanones in Citrus juices by means of one- and two-dimensional liquid chromatography. <i>Journal of Separation Science</i> , 2011 , 34, 681-7	3.4	42
405	Study on the chemical composition variability of some processed bergamot (<i>Citrus bergamia</i>) essential oils. <i>Flavour and Fragrance Journal</i> , 2010 , 25, 4-12	2.5	42
404	Analysis of native carotenoid composition in orange juice using C30 columns in tandem. <i>Journal of Separation Science</i> , 2008 , 31, 2151-60	3.4	42
403	Bergamot (<i>Citrus bergamia</i> Risso) as a source of nutraceuticals: Limonoids and flavonoids. <i>Journal of Functional Foods</i> , 2016 , 20, 10-19	5.1	41
402	Profiling and quantifying polar lipids in milk by hydrophilic interaction liquid chromatography coupled with evaporative light-scattering and mass spectrometry detection. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 4617-26	4.4	41
401	Phenolic composition and biological activities of <i>Juniperus drupacea</i> Labill. berries from Turkey. <i>Food and Chemical Toxicology</i> , 2011 , 49, 2600-8	4.7	41
400	Genuineness assessment of mandarin essential oils employing gas chromatography-combustion-isotope ratio MS (GC-C-IRMS). <i>Journal of Separation Science</i> , 2010 , 33, 617-25	3.4	41
399	Determination of flavor components in Sicilian goat cheese by automated HS-SPME-GC. <i>Flavour and Fragrance Journal</i> , 2005 , 20, 659-665	2.5	41
398	Apocarotenoids determination in <i>Capsicum chinense</i> Jacq. cv. Habanero, by supercritical fluid chromatography-triple-quadrupole/mass spectrometry. <i>Food Chemistry</i> , 2017 , 231, 316-323	8.5	40
397	<i>Juniperus oxycedrus</i> L. subsp. <i>oxycedrus</i> and <i>Juniperus oxycedrus</i> L. subsp. <i>macrocarpa</i> (Sibth. & Sm.) Ball. "berries" from Turkey: comparative evaluation of phenolic profile, antioxidant, cytotoxic and antimicrobial activities. <i>Food and Chemical Toxicology</i> , 2013 , 58, 22-9	4.7	40
396	Comprehensive two-dimensional liquid chromatography for polyphenol analysis in foodstuffs. <i>Journal of Separation Science</i> , 2017 , 40, 7-24	3.4	40
395	Serial coupled columns reversed-phase separations in high-performance liquid chromatography. Tool for analysis of complex real samples. <i>Journal of Chromatography A</i> , 2008 , 1188, 208-15	4.5	40
394	Partial characterization of the pigments produced by the marine-derived fungus <i>Talaromyces albobiverticillius</i> 30548. Towards a new fungal red colorant for the food industry. <i>Journal of Food Composition and Analysis</i> , 2018 , 67, 38-47	4.1	39
393	Use of greatly-reduced gas flows in flow-modulated comprehensive two-dimensional gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2014 , 1359, 271-6	4.5	39
392	Untargeted and targeted comprehensive two-dimensional GC analysis using a novel unified high-speed triple quadrupole mass spectrometer. <i>Journal of Chromatography A</i> , 2013 , 1278, 153-9	4.5	39
391	Impact of comprehensive two-dimensional gas chromatography with mass spectrometry on food analysis. <i>Journal of Separation Science</i> , 2016 , 39, 149-61	3.4	38
390	Headspace-solid phase microextraction coupled to gas chromatography-combustion-isotope ratio mass spectrometer and to enantioselective gas chromatography for strawberry flavoured food quality control. <i>Journal of Chromatography A</i> , 2011 , 1218, 7481-6	4.5	38

389	Application of a multidimensional gas chromatography system with simultaneous mass spectrometric and flame ionization detection to the analysis of sandalwood oil. <i>Journal of Chromatography A</i> , 2011 , 1218, 137-42	4.5	38
388	Characterization of Oils from the Fruits, Leaves and Flowers of the Bitter Orange Tree. <i>Journal of Essential Oil Research</i> , 2011 , 23, 45-59	2.3	38
387	Evaluation of tea tree oil quality and ascaridole: a deep study by means of chiral and multi heart-cuts multidimensional gas chromatography system coupled to mass spectrometry detection. <i>Journal of Chromatography A</i> , 2010 , 1217, 6422-7	4.5	38
386	Comprehensive two-dimensional GC for the analysis of citrus essential oils. <i>Flavour and Fragrance Journal</i> , 2005 , 20, 136-140	2.5	38
385	Free fatty acid profiling of marine sentinels by nanoLC-EI-MS for the assessment of environmental pollution effects. <i>Science of the Total Environment</i> , 2016 , 571, 955-62	10.2	38
384	Antibacterial and antioxidant activity of essential oils and extracts from costmary (<i>Tanacetum balsamita</i> L.) and tansy (<i>Tanacetum vulgare</i> L.). <i>Industrial Crops and Products</i> , 2017 , 102, 154-163	5.9	37
383	Determination of phthalate esters in vegetable oils using direct immersion solid-phase microextraction and fast gas chromatography coupled with triple quadrupole mass spectrometry. <i>Analytica Chimica Acta</i> , 2015 , 887, 237-244	6.6	37
382	The off-line combination of high performance liquid chromatography and comprehensive two-dimensional gas chromatography-mass spectrometry: a powerful approach for highly detailed essential oil analysis. <i>Journal of Chromatography A</i> , 2013 , 1305, 276-84	4.5	37
381	Determination of carotenoids and their esters in fruits of sea buckthorn (<i>Hippophae rhamnoides</i> L.) by HPLC-DAD-APCI-MS. <i>Phytochemical Analysis</i> , 2012 , 23, 267-73	3.4	37
380	A rapid multidimensional liquid-gas chromatography method for the analysis of mineral oil saturated hydrocarbons in vegetable oils. <i>Journal of Chromatography A</i> , 2011 , 1218, 7476-80	4.5	37
379	Thorough evaluation of the validity of conventional enantio-gas chromatography in the analysis of volatile chiral compounds in mandarin essential oil: A comparative investigation with multidimensional gas chromatography. <i>Journal of Chromatography A</i> , 2010 , 1217, 1101-5	4.5	37
378	Multidimensional Liquid Chromatographic Separations Applied to the Analysis of Food Samples. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2008 , 31, 1758-1807	1.3	37
377	Fast GC for the analysis of citrus oils. <i>Journal of Chromatographic Science</i> , 2004 , 42, 410-6	1.4	37
376	Comparison of fast and conventional GC analysis for citrus essential oils. <i>Journal of Agricultural and Food Chemistry</i> , 2003 , 51, 5602-6	5.7	37
375	Flow-modulation low-pressure comprehensive two-dimensional gas chromatography. <i>Journal of Chromatography A</i> , 2014 , 1372C, 236-244	4.5	36
374	Elucidation of the volatile composition of Marsala wines by using comprehensive two-dimensional gas chromatography. <i>Food Chemistry</i> , 2014 , 142, 262-8	8.5	36
373	Characterization of Cold-Pressed Key and Persian Lime Oils by Gas Chromatography, Gas Chromatography/Mass Spectroscopy, High-Performance Liquid Chromatography, and Physicochemical Indices. <i>Journal of Agricultural and Food Chemistry</i> , 1997 , 45, 3608-3616	5.7	36
372	Evaluation of the volatile and chiral composition in <i>Pistacia lentiscus</i> L. essential oil. <i>Flavour and Fragrance Journal</i> , 2008 , 23, 249-257	2.5	36

371	Comprehensive gas chromatography coupled to mass spectrometry for the separation of pesticides in a very complex matrix. <i>Analytical and Bioanalytical Chemistry</i> , 2007 , 389, 1755-63	4.4	36
370	Effects of pressure drop on absolute retention matching in comprehensive two-dimensional gas chromatography. <i>Journal of Separation Science</i> , 2004 , 27, 504-12	3.4	36
369	High-performance liquid chromatography coupled on-line with high resolution gas chromatography State of the art. <i>Journal of Chromatography A</i> , 1999 , 842, 373-390	4.5	36
368	Multidimensional capillary GCxGC for the analysis of real complex samples. Part II. Enantiomeric distribution of monoterpene hydrocarbons and monoterpene alcohols of cold-pressed and distilled lime oils. <i>Journal of Separation Science</i> , 1998 , 10, 203-212		35
367	Rapid analysis of food products by means of high speed gas chromatography. <i>Journal of Separation Science</i> , 2007 , 30, 508-26	3.4	35
366	Determination of triacylglycerols in donkey milk by using high performance liquid chromatography coupled with atmospheric pressure chemical ionization mass spectrometry. <i>Journal of Separation Science</i> , 2005 , 28, 1023-30	3.4	35
365	Determination of the polyphenolic content of a <i>Capsicum annuum</i> L. extract by liquid chromatography coupled to photodiode array and mass spectrometry detection and evaluation of its biological activity. <i>Journal of Separation Science</i> , 2015 , 38, 171-8	3.4	34
364	Analysis of polyphenols and methylxantines in tea samples by means of nano-liquid chromatography utilizing capillary columns packed with core-shell particles. <i>Journal of Chromatography A</i> , 2012 , 1234, 38-44	4.5	34
363	Analysis of fresh and aged tea tree essential oils by using GCxGC-qMS. <i>Journal of Chromatographic Science</i> , 2010 , 48, 262-6	1.4	34
362	RP-LC x RP-LC analysis of a tryptic digest using a combination of totally porous and partially porous stationary phases. <i>Journal of Separation Science</i> , 2010 , 33, 1454-61	3.4	34
361	Temperature effects on separation on zirconia columns: applications to one- and two-dimensional LC separations of phenolic antioxidants. <i>Journal of Separation Science</i> , 2007 , 30, 462-74	3.4	34
360	On-line microbore high performance liquid chromatography-capillary gas chromatography for food and water analyses. A review. <i>Journal of Separation Science</i> , 1996 , 8, 275-310		34
359	Fast gas chromatography-mass spectrometry: A review of the last decade. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 118, 444-452	14.6	33
358	Comprehensive chromatographic separations in proteomics. <i>Journal of Chromatography A</i> , 2011 , 1218, 8777-90	4.5	33
357	Fast gas chromatography-full scan quadrupole mass spectrometry for the determination of allergens in fragrances. <i>Journal of Separation Science</i> , 2007 , 30, 1905-11	3.4	33
356	Acquisition of deeper knowledge on the human plasma fatty acid profile exploiting comprehensive 2-D GC. <i>Journal of Separation Science</i> , 2008 , 31, 3347-51	3.4	33
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