

Philip J. Marriott

List of Publications by Year in Descending Order

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Version: 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

411
papers

14,125
citations

52
h-index

96
g-index

432
ext. papers

16,175
ext. citations

5.5
avg, IF

6.79
L-index

#	Paper	IF	Citations
411	Molecular Mechanisms of Malignant Transformation of Oral Submucous Fibrosis by Different Betel Quid Constituents-Does Fibroblast Senescence Play a Role?. <i>International Journal of Molecular Sciences</i> , 2022 , 23,	6.3	4
410	Person-portable gas chromatography-toroidal ion trap mass spectrometry analysis of coffee bean volatile organic compounds. <i>International Journal of Mass Spectrometry</i> , 2022 , 473, 116797	1.9	3
409	Average theoretical peak time as a metric to analytical speed in one dimensional and multidimensional gas chromatographic separations.. <i>Journal of Chromatography A</i> , 2022 , 1667, 462887	4.5	1
408	Sugarcane polyphenol and fiber to affect production of short-chain fatty acids and microbiota composition using in vitro digestion and pig faecal fermentation model.. <i>Food Chemistry</i> , 2022 , 385, 132665	8.5	2
407	Transformation of hempseed (<i>Cannabis sativa</i> L.) oil cake proteome, structure and functionality after extrusion.. <i>Food Chemistry</i> , 2022 , 384, 132499	8.5	0
406	A Comprehensive Analysis of the Role of Oxidative Stress in the Pathogenesis and Chemoprevention of Oral Submucous Fibrosis. <i>Antioxidants</i> , 2022 , 11, 868	7.1	3
405	Are There Betel Quid Mixtures Less Harmful than Others? A Scoping Review of the Association between Different Betel Quid Ingredients and the Risk of Oral Submucous Fibrosis. <i>Biomolecules</i> , 2022 , 12, 664	5.9	1
404	Phytochemical Constituents and Antiproliferative Activities of Essential Oils from Four Varieties of Malaysian Zingiber officinale Roscoe against Human Cervical Cancer Cell Line. <i>Plants</i> , 2022 , 11, 1280	4.5	1
403	Structure Elucidation Using Gas Chromatography-Infrared Spectroscopy/Mass Spectrometry Supported by Quantum Chemical IR Spectrum Simulations. <i>Analytical Chemistry</i> , 2021 , 93, 15508-15516	7.8	1
402	Toward a Systematic Nomenclature for (Neo)Lignanamides. <i>Journal of Natural Products</i> , 2021 , 84, 956-963	4.3	1
401	Emerging Homochiral Porous Materials for Enantiomer Separation. <i>Advanced Functional Materials</i> , 2021 , 31, 2101335	15.6	8
400	Gas chromatography - mass spectrometry for characterisation, assessment of quality and authentication of seed and vegetable oils. <i>TrAC - Trends in Analytical Chemistry</i> , 2021 , 138, 116238	14.6	12
399	Cryogenic trapping as a versatile approach for sample handling, enrichment and multidimensional analysis in gas chromatography. <i>Journal of Chromatography A</i> , 2021 , 1644, 462135	4.5	2
398	Wine phenolic profile altered by yeast: Mechanisms and influences. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2021 , 20, 3579-3619	16.4	5
397	Effect of extrusion technology on hempseed (<i>Cannabis sativa</i> L.) oil cake: Polyphenol profile and biological activities. <i>Journal of Food Science</i> , 2021 , 86, 3159-3175	3.4	4
396	Fermentation transforms the phenolic profiles and bioactivities of plant-based foods. <i>Biotechnology Advances</i> , 2021 , 49, 107763	17.8	23
395	Lignanamides: sources, biosynthesis and potential health benefits - a minireview. <i>Critical Reviews in Food Science and Nutrition</i> , 2021 , 61, 1404-1414	11.5	11

394	Effects of frying, roasting and boiling on aroma profiles of adzuki beans (<i>Vigna angularis</i>) and potential of adzuki bean and millet flours to improve flavor and sensory characteristics of biscuits. <i>Food Chemistry</i> , 2021 , 339, 127878	8.5	16
393	Extrusion improves the phenolic profile and biological activities of hempseed (<i>Cannabis sativa</i> L.) hull. <i>Food Chemistry</i> , 2021 , 346, 128606	8.5	16
392	Diversity and dynamics of fungi during spontaneous fermentations and association with unique aroma profiles in wine. <i>International Journal of Food Microbiology</i> , 2021 , 338, 108983	5.8	10
391	Cyclodextrin metal-organic framework-polymer composite membranes towards ultimate and stable enantioselectivity. <i>Journal of Membrane Science</i> , 2021 , 620, 118956	9.6	17
390	Hydroxycinnamic acids on gut microbiota and health. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2021 , 20, 710-737	16.4	17
389	Techniques and application in comprehensive multidimensional gas chromatography - mass spectrometry. <i>Journal of Chromatography A</i> , 2021 , 1636, 461788	4.5	9
388	Green Separation Techniques for Omics Platforms <i>Gas Chromatography</i> 2021 , 609-626		1
387	Preparative gas chromatography 2021 , 487-504		
386	Activity and bioavailability of food protein-derived angiotensin-I-converting enzyme-inhibitory peptides. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2021 , 20, 1150-1187	16.4	20
385	Enhanced Lignanamide Absorption and Antioxidative Effect of Extruded Hempseed (L.) Hull in Caco-2 Intestinal Cell Culture. <i>Journal of Agricultural and Food Chemistry</i> , 2021 , 69, 11259-11271	5.7	3
384	Genetic engineering of yeast, filamentous fungi and bacteria for terpene production and applications in food industry. <i>Food Research International</i> , 2021 , 147, 110487	7	2
383	Separation Multidimensionality for Improved Sample Characterization-Is It Worth the Effort?. <i>Journal of Agricultural and Food Chemistry</i> , 2021 , 69, 11535-11537	5.7	1
382	Beta-glucosidase activity of wine yeasts and its impacts on wine volatiles and phenolics: A mini-review. <i>Food Microbiology</i> , 2021 , 100, 103859	6	9
381	Multidimensional gas chromatographic-Mass spectrometric method for separation and identification of triacylglycerols in olive oil. <i>Journal of Chromatography A</i> , 2020 , 1629, 461474	4.5	3
380	Isolating valuable coffee diterpenes by using an inexpensive procedure. <i>Industrial Crops and Products</i> , 2020 , 152, 112494	5.9	6
379	Modulation of the human gut microbiota by phenolics and phenolic fiber-rich foods. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2020 , 19, 1268-1298	16.4	52
378	Relationships in Gas Chromatography Fourier Transform Infrared Spectroscopy and Multilinear Analysis. <i>Separations</i> , 2020 , 7, 27	3.1	7
377	Changes in phenolic content, antioxidant activity, and volatile compounds during processing of fermented sorghum grain tea. <i>Cereal Chemistry</i> , 2020 , 97, 612-625	2.4	7

376	Advanced gas chromatography and mass spectrometry technologies for fatty acids and triacylglycerols analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2020 , 129, 115957	14.6	12
375	Application of extrusion technology in plant food processing byproducts: An overview. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2020 , 19, 218-246	16.4	60
374	Distinct phenolic, alkaloid and antioxidant profile in betel quids from four regions of Indonesia. <i>Scientific Reports</i> , 2020 , 10, 16254	4.9	4
373	Simultaneous Analysis of Drugs in Forensic Cases by Liquid ChromatographyHigh-Resolution Orbitrap Mass Spectrometry. <i>Chromatographia</i> , 2020 , 83, 53-64	2.1	5
372	Sesquiterpenes in grapes and wines: Occurrence, biosynthesis, functionality, and influence of winemaking processes. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2020 , 19, 247-281	16.4	30
371	Comprehensive Two-Dimensional Gas Chromatography Advances in Technology and Applications: Biennial Update. <i>Analytical Chemistry</i> , 2020 , 92, 85-104	7.8	45
370	Hempseed in food industry: Nutritional value, health benefits, and industrial applications. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2020 , 19, 282-308	16.4	71
369	-Glucosidase and -Amylase Inhibitory Activities of Free and Bound Phenolic Extracts from the Bran and Kernel Fractions of Five Sorghum Grain Genotypes. <i>Foods</i> , 2020 , 9,	4.9	13
368	Kava constituents exert selective anticancer effects in oral squamous cell carcinoma cells in vitro. <i>Scientific Reports</i> , 2020 , 10, 15904	4.9	4
367	Comprehensive profiling of phenolic compounds by HPLC-DAD-ESI-QTOF-MS/MS to reveal their location and form of presence in different sorghum grain genotypes. <i>Food Research International</i> , 2020 , 137, 109671	7	18
366	The Influence of UV on the Production of Free Terpenes in <i>Vitis vinifera</i> cv. Shiraz. <i>Agronomy</i> , 2020 , 10, 1431	3.6	3
365	Tyramine-derived hydroxycinnamic acid amides in plant foods: sources, synthesis, health effects and potential applications in food industry. <i>Critical Reviews in Food Science and Nutrition</i> , 2020 , 1-18	11.5	11
364	HPLC-DAD-ESI-QTOF-MS/MS qualitative analysis data and HPLC-DAD quantification data of phenolic compounds of grains from five Australian sorghum genotypes. <i>Data in Brief</i> , 2020 , 33, 106584	1.2	3
363	Optimizing extraction method of aroma compounds from grape pomace. <i>Journal of Food Science</i> , 2020 , 85, 4225-4240	3.4	3
362	Cereal grain-based functional beverages: from cereal grain bioactive phytochemicals to beverage processing technologies, health benefits and product features. <i>Critical Reviews in Food Science and Nutrition</i> , 2020 , 1-25	11.5	10
361	Concepts, selectivity options and experimental design approaches in multidimensional and comprehensive two-dimensional gas chromatography. <i>TrAC - Trends in Analytical Chemistry</i> , 2020 , 130, 115995	14.6	13
360	Modern technologies for extraction of aroma compounds from fruit peels: a review. <i>Critical Reviews in Food Science and Nutrition</i> , 2020 , 1-24	11.5	5
359	The Fungal Microbiome Is an Important Component of Vineyard Ecosystems and Correlates with Regional Distinctiveness of Wine. <i>MSphere</i> , 2020 , 5,	5	25

358	Glycosidically bound aroma precursors in fruits: A comprehensive review. <i>Critical Reviews in Food Science and Nutrition</i> , 2020 , 1-29	11.5	14
357	Comprehensive Two-Dimensional Gas Chromatography with Mass Spectrometry: Toward a Super-Resolved Separation Technique. <i>Analytical Chemistry</i> , 2020 , 92, 12572-12578	7.8	5
356	Comparison of the phenolic contents, antioxidant activity and volatile compounds of different sorghum varieties during tea processing. <i>Journal of the Science of Food and Agriculture</i> , 2020 , 100, 978-985	4.3	12
355	A better way to separate the wheat from the chaff. Progression from single-dimension gas chromatography to multidimensional gas chromatography. <i>Separation Science and Technology</i> , 2020 , 41-68	1.7	2
354	Homochiral MOF-Polymer Mixed Matrix Membranes for Efficient Separation of Chiral Molecules. <i>Angewandte Chemie</i> , 2019 , 131, 17084-17091	3.6	14
353	Homochiral MOF-Polymer Mixed Matrix Membranes for Efficient Separation of Chiral Molecules. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 16928-16935	16.4	77
352	Multidimensional gas chromatography investigation of concentration and temperature effects of oxime interconversion on ionic liquid and poly(ethylene glycol) stationary phases. <i>Analytica Chimica Acta</i> , 2019 , 1081, 200-208	6.6	2
351	Gas chromatography-mass spectrometry of sapucainha oil (<i>Carpotroche brasiliensis</i>) triacylglycerols comprising straight chain and cyclic fatty acids. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 1479-1489	4.4	6
350	Effects of processing on the phenolic contents, antioxidant activity and volatile profile of wheat bran tea. <i>International Journal of Food Science and Technology</i> , 2019 , 54, 3156-3165	3.8	7
349	The Blossoming of Technology for the Analysis of Complex Aroma Bouquets-A Review on Flavour and Odorant Multidimensional and Comprehensive Gas Chromatography Applications. <i>Molecules</i> , 2019 , 24,	4.8	13
348	Studies on the Extraction of Several Polyphenols with Different Silica Hydride Stationary Phases. <i>Chromatographia</i> , 2019 , 82, 943-951	2.1	1
347	New approaches to monitor semi-volatile organic compounds released during coffee roasting using flow-through/active sampling and comprehensive two-dimensional gas chromatography. <i>Food Research International</i> , 2019 , 119, 349-358	7	13
346	3-Deoxyanthocyanidin Colorant: Nature, Health, Synthesis, and Food Applications. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2019 , 18, 1533-1549	16.4	31
345	Free terpene evolution during the berry maturation of five <i>Vitis vinifera</i> L. cultivars. <i>Food Chemistry</i> , 2019 , 299, 125101	8.5	17
344	Gas chromatography-Fourier transform infrared spectroscopy reveals dynamic molecular interconversion of oximes. <i>Analyst, The</i> , 2019 , 144, 4803-4812	5	2
343	Sorghum Grain: From Genotype, Nutrition, and Phenolic Profile to Its Health Benefits and Food Applications. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2019 , 18, 2025-2046	16.4	85
342	Dataset of concentrations of free terpenes at different phenological stages in L. Shiraz, Cabernet Sauvignon, Riesling, Chardonnay and Pinot Gris. <i>Data in Brief</i> , 2019 , 27, 104595	1.2	4
341	From the Vineyard to the Winery: How Microbial Ecology Drives Regional Distinctiveness of Wine. <i>Frontiers in Microbiology</i> , 2019 , 10, 2679	5.7	43

- 340 Frontispiece: Homochiral MOF-Polymer Mixed Matrix Membranes for Efficient Separation of Chiral Molecules. *Angewandte Chemie - International Edition*, **2019**, 58, 16.4 1
- 339 Magnetic solid-phase extraction of benzoylurea insecticides in tea samples with Fe O₂-hyperbranched polyester magnetic composite as sorbent. *Journal of Separation Science*, **2019**, 42, 1610-1619 14
- 338 Simulation of peak position and response profiles in comprehensive two-dimensional gas chromatography. *Journal of Chromatography A*, **2019**, 1607, 460392 4.5 6
- 337 Assessment of the phytochemical profiles of novel hop (*Humulus lupulus* L.) cultivars: A potential route to beer crafting. *Food Chemistry*, **2019**, 275, 15-23 8.5 18
- 336 Rapid Plant Volatiles Screening Using Headspace SPME and Person-Portable Gas Chromatography-Mass Spectrometry. *Chromatographia*, **2019**, 82, 297-305 2.1 12
- 335 Direct Analysis of Synthetic Phenolic Antioxidants, and Fatty Acid Methyl Ester Stability in Biodiesel by Liquid Chromatography and High-Resolution Mass Spectrometry. *Chromatographia*, **2019**, 82, 271-278^{2.1} 2
- 334 High temperature multidimensional gas chromatographic approach for improved separation of triacylglycerols in olive oil. *Journal of Chromatography A*, **2018**, 1549, 77-84 4.5 9
- 333 Dietary docosahexaenoic acid supplementation enhances expression of fatty acid-binding protein 5 at the blood-brain barrier and brain docosahexaenoic acid levels. *Journal of Neurochemistry*, **2018**, 146, 186-197 6 5
- 332 Ionic liquid phases with comprehensive two-dimensional gas chromatography of fatty acid methyl esters. *Analytical and Bioanalytical Chemistry*, **2018**, 410, 4669-4677 4.4 17
- 331 Untargeted profiling of *Glycyrrhiza glabra* extract with comprehensive two-dimensional liquid chromatography-mass spectrometry using multi-segmented shift gradients in the second dimension: Expanding the metabolic coverage. *Electrophoresis*, **2018**, 39, 1993 3.6 16
- 330 Observation and explanation of two-dimensional interconversion of oximes with multiple heart-cutting using comprehensive multidimensional gas chromatography. *Journal of Chromatography A*, **2018**, 1546, 97-105 4.5 9
- 329 Sequential Hybrid Three-Dimensional Gas Chromatography with Accurate Mass Spectrometry: A Novel Tool for High-Resolution Characterization of Multicomponent Samples. *Analytical Chemistry*, **2018**, 90, 5264-5271 7.8 20
- 328 Lipase-catalysed esters synthesis of cafestol and kahweol. *Food Chemistry*, **2018**, 259, 226-233 8.5 7
- 327 Comprehensive 2D gas chromatography-time-of-flight mass spectrometry with 2D retention indices for analysis of volatile compounds in frankincense (*Boswellia papyrifera*). *Analytical and Bioanalytical Chemistry*, **2018**, 410, 3185-3196 4.4 11
- 326 Second dimension column ensemble pressure tuning in comprehensive two-dimensional gas chromatography. *Journal of Chromatography A*, **2018**, 1536, 39-49 4.5 7
- 325 Analysis of underivatized low volatility compounds by comprehensive two-dimensional gas chromatography with a short primary column. *Journal of Chromatography A*, **2018**, 1536, 75-81 4.5 13
- 324 Multi-column trajectory to advanced methods in comprehensive two-dimensional gas chromatography. *TrAC - Trends in Analytical Chemistry*, **2018**, 106, 11-20 14.6 9
- 323 Addressing the Challenges to Identification in Gas Chromatography by Increased Resolution and Enhanced Detection Modalities. *Chemistry - an Asian Journal*, **2018**, 13, 1849 4.5 4

322	Chemometric Analysis of the Volatile Compounds Generated by <i>Aspergillus carbonarius</i> Strains Isolated from Grapes and Dried Vine Fruits. <i>Toxins</i> , 2018 , 10,	4.9	11
321	Determination of selected emerging contaminants in freshwater invertebrates using a universal extraction technique and liquid chromatography accurate mass spectrometry. <i>Journal of Separation Science</i> , 2018 , 41, 3706-3715	3.4	12
320	Improvement of safflower oil quality for biodiesel production by integrated application of PGPR under reduced amount of NP fertilizers. <i>PLoS ONE</i> , 2018 , 13, e0201738	3.7	11
319	Molecular spectroscopy Information rich detection for gas chromatography. <i>TrAC - Trends in Analytical Chemistry</i> , 2018 , 99, 47-65	14.6	25
318	Reduced blood-brain barrier expression of fatty acid-binding protein 5 is associated with increased vulnerability of APP/PS1 mice to cognitive deficits from low omega-3 fatty acid diets. <i>Journal of Neurochemistry</i> , 2018 , 144, 81-92	6	12
317	Ionic liquid capillary columns for analysis of multi-component volatiles by gas chromatography-mass spectrometry: performance, selectivity, activity and retention indices. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 4615-4632	4.4	17
316	Chemotyping of new hop (<i>Humulus lupulus</i> L.) genotypes using comprehensive two-dimensional gas chromatography with quadrupole accurate mass time-of-flight mass spectrometry. <i>Journal of Chromatography A</i> , 2018 , 1536, 110-121	4.5	20
315	Oxidised compounds in aviation fuels using Nafion fibre solid phase microextraction. <i>Fuel</i> , 2017 , 197, 226-231	7.1	6
314	Gas Chromatography-Mass Spectrometry in Odorant Analysis 2017 , 47-48		2
313	Untargeted metabolic profiling of <i>Eucalyptus</i> spp. leaf oils using comprehensive two-dimensional gas chromatography with high resolution mass spectrometry: Expanding the metabolic coverage. <i>Metabolomics</i> , 2017 , 13, 1	4.7	25
312	Selectivity differences of coordination compound stationary phases for polyaromatic hydrocarbons and polar analytes in gas and liquid phases. <i>Journal of Chromatography A</i> , 2017 , 1500, 167-171	4.5	2
311	Investigation of the Thermal Oxidation of Conventional and Alternate Aviation Fuels with Comprehensive Two-Dimensional Gas Chromatography Accurate Mass Quadrupole Time-of-Flight Mass Spectrometry. <i>Energy & Fuels</i> , 2017 , 31, 4886-4894	4.1	12
310	Switchable Enantioselective Three- and Four-Dimensional Dynamic Gas Chromatography-Mass Spectrometry: Example Study of On-Column Molecular Interconversion. <i>Analytical Chemistry</i> , 2017 , 89, 5620-5628	7.8	12
309	Multidimensional gas chromatography in food analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2017 , 96, 124-137	14.6	52
308	Group-Type Analysis of Hydrocarbons and Sulfur Compounds in Thermally Stressed Mercox Jet Fuel Samples. <i>Energy & Fuels</i> , 2017 , 31, 8978-8984	4.1	14
307	Liquid chromatography - quadrupole Orbitrap mass spectrometry method for selected pharmaceuticals in water samples. <i>Journal of Chromatography A</i> , 2017 , 1515, 164-171	4.5	16
306	Approaches and Challenges for Analysis of Flavor and Fragrance Volatiles. <i>Journal of Agricultural and Food Chemistry</i> , 2017 , 65, 7305-7307	5.7	8
305	Comprehensive two-dimensional liquid chromatography for polyphenol analysis in foodstuffs. <i>Journal of Separation Science</i> , 2017 , 40, 7-24	3.4	40

304	Metabolism in anoxic permeable sediments is dominated by eukaryotic dark fermentation. <i>Nature Geoscience</i> , 2017 , 10, 30-35	18.3	20
303	Pressure Tuning of First Dimension Columns in Comprehensive Two-Dimensional Gas Chromatography. <i>Analytical Chemistry</i> , 2016 , 88, 9087-94	7.8	12
302	Fatty Acid-Binding Protein 5 at the Blood-Brain Barrier Regulates Endogenous Brain Docosahexaenoic Acid Levels and Cognitive Function. <i>Journal of Neuroscience</i> , 2016 , 36, 11755-11767	6.6	44
301	Continuum in MDGC Technology: From Classical Multidimensional to Comprehensive Two-Dimensional Gas Chromatography. <i>Analytical Chemistry</i> , 2016 , 88, 3529-38	7.8	21
300	Introducing Students to Gas Chromatography/Mass Spectrometry Analysis and Determination of Kerosene Components in a Complex Mixture. <i>Journal of Chemical Education</i> , 2016 , 93, 742-746	2.4	8
299	In Silico Modeling of Hundred Thousand Experiments for Effective Selection of Ionic Liquid Phase Combinations in Comprehensive Two-Dimensional Gas Chromatography. <i>Analytical Chemistry</i> , 2016 , 88, 2125-31	7.8	15
298	Rapid determination of sildenafil and its analogues in dietary supplements using gas chromatography-triple quadrupole mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016 , 121, 188-196	3.5	23
297	Development of An Online LC-LVI-GC GC System: Design and Preliminary Applications. <i>Chromatographia</i> , 2016 , 79, 79-87	2.1	4
296	Multidimensional Chromatographic Techniques for Monitoring and Characterization of Environmental Samples 2016 , 439-453		1
295	Quantification of trace fatty acid methyl esters in diesel fuel by using multidimensional gas chromatography with electron and chemical ionization mass spectrometry. <i>Journal of Separation Science</i> , 2016 , 39, 2537-43	3.4	7
294	Qualitative analysis of Copaifera oleoresin using comprehensive two-dimensional gas chromatography and gas chromatography with classical and cold electron ionisation mass spectrometry. <i>Journal of Chromatography A</i> , 2016 , 1477, 91-99	4.5	14
293	Determination of Enantiomeric Distribution of Terpenes for Quality Assessment of Australian Tea Tree Oil. <i>Journal of Agricultural and Food Chemistry</i> , 2016 , 64, 4817-9	5.7	12
292	Relating pressure tuned coupled column ensembles with the solvation parameter model for tunable selectivity in gas chromatography. <i>Journal of Chromatography A</i> , 2016 , 1455, 156-162	4.5	6
291	The microfluidic Deans switch: 50 years of progress, innovation and application. <i>TrAC - Trends in Analytical Chemistry</i> , 2016 , 82, 35-54	14.6	30
290	Terpene evolution during the development of <i>Vitis vinifera</i> L. cv. Shiraz grapes. <i>Food Chemistry</i> , 2016 , 204, 463-474	8.5	32
289	Comparison data of common and abundant terpenes at different grape development stages in Shiraz wine grapes. <i>Data in Brief</i> , 2016 , 8, 1127-36	1.2	13
288	Identification of aroma-active volatiles in banana Terra spirit using multidimensional gas chromatography with simultaneous mass spectrometry and olfactometry detection. <i>Journal of Chromatography A</i> , 2015 , 1388, 227-35	4.5	23
287	Evaluation of reversible interconversion in comprehensive two-dimensional gas chromatography using enantioselective columns in first and second dimensions. <i>Journal of Chromatography A</i> , 2015 , 1404, 104-14	4.5	9

286	Enantiomeric distribution of selected terpenes for authenticity assessment of Australian <i>Melaleuca alternifolia</i> oil. <i>Industrial Crops and Products</i> , 2015 , 67, 475-483	5.9	17
285	Evaluation of fast enantioselective multidimensional gas chromatography methods for monoterpenic compounds: Authenticity control of Australian tea tree oil. <i>Journal of Chromatography A</i> , 2015 , 1406, 307-15	4.5	21
284	Identification of odour-active compounds of pasteurised orange juice using multidimensional gas chromatography techniques. <i>Food Research International</i> , 2015 , 75, 281-288	7	33
283	Multidimensional Gas Chromatographic Analysis of Low-Temperature Oxidized Jet Fuels: Formation of Alkyldihydrofuranones. <i>Energy & Fuels</i> , 2015 , 29, 2067-2073	4.1	7
282	Within-Vineyard, Within-Vine, and Within-Bunch Variability of the Rotundone Concentration in Berries of <i>Vitis vinifera</i> L. cv. Shiraz. <i>Journal of Agricultural and Food Chemistry</i> , 2015 , 63, 4276-83	5.7	43
281	Application of integrated comprehensive/multidimensional gas chromatography with mass spectrometry and olfactometry for aroma analysis in wine and coffee. <i>Food Chemistry</i> , 2015 , 185, 355-61	8.5	46
280	Pesticides Analysis: Advantages of Increased Dimensionality in Gas Chromatography and Mass Spectrometry. <i>Critical Reviews in Environmental Science and Technology</i> , 2015 , 45, 2135-2173	11.1	32
279	Two-dimensional retention indices improve component identification in comprehensive two-dimensional gas chromatography of saffron. <i>Analytical Chemistry</i> , 2015 , 87, 5753-61	7.8	53
278	Detailed Chemical Analysis Using Multidimensional Gas Chromatography/Mass Spectrometry and Bulk Properties of Low-Temperature Oxidized Jet Fuels. <i>Energy & Fuels</i> , 2015 , 29, 2059-2066	4.1	20
277	Review of the role and methodology of high resolution approaches in aroma analysis. <i>Analytica Chimica Acta</i> , 2015 , 854, 1-12	6.6	37
276	Thermally sensitive behavior explanation for unusual orthogonality observed in comprehensive two-dimensional gas chromatography comprising a single ionic liquid stationary phase. <i>Analytical Chemistry</i> , 2015 , 87, 538-44	7.8	40
275	Comparison of the performance of different silica hydride particles for the solid-phase extraction of non-volatile analytes from dark chocolate with analysis by gas chromatography-quadrupole mass spectrometry. <i>Food Chemistry</i> , 2015 , 174, 434-9	8.5	20
274	Direct ionic liquid extractant injection for volatile chemical analysis by gas chromatography sampling technique. <i>Green Chemistry</i> , 2015 , 17, 573-581	10	10
273	Can volatile organic compounds be markers of sea salt?. <i>Food Chemistry</i> , 2015 , 169, 102-13	8.5	7
272	Environmental Factors and Seasonality Affect the Concentration of Rotundone in <i>Vitis vinifera</i> L. cv. Shiraz Wine. <i>PLoS ONE</i> , 2015 , 10, e0133137	3.7	24
271	Evaluation of comprehensive two-dimensional gas chromatography with accurate mass time-of-flight mass spectrometry for the metabolic profiling of plant-fungus interaction in <i>Aquilaria malaccensis</i> . <i>Journal of Chromatography A</i> , 2015 , 1387, 104-15	4.5	26
270	Insights into the origin of the separation selectivity with silica hydride adsorbents. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 3063-9	3.4	21
269	Enantiomeric separation in comprehensive two-dimensional gas chromatography with accurate mass analysis. <i>Chirality</i> , 2014 , 26, 747-53	2.1	20

268	Interpretation of comprehensive two-dimensional gas chromatography data using advanced chemometrics. <i>TrAC - Trends in Analytical Chemistry</i> , 2014 , 53, 150-166	14.6	35
267	Metal-organic frameworks as stationary phases for mixed-mode separation applications. <i>Chemical Communications</i> , 2014 , 50, 3735-7	5.8	45
266	Evaluation of quadrupole-time-of-flight mass spectrometry in comprehensive two-dimensional gas chromatography. <i>Journal of Chromatography A</i> , 2014 , 1362, 262-9	4.5	13
265	Multidimensional gas chromatography beyond simple volatiles separation. <i>Chemical Communications</i> , 2014 , 50, 8819-33	5.8	50
264	Synthetic Phenolic Antioxidants in Middle Distillate Fuels Analyzed by Gas Chromatography with Triple Quadrupole and Quadrupole Time-of-Flight Mass Spectrometry. <i>Energy & Fuels</i> , 2014 , 28, 1097-1102	4.1	14
263	Miniaturized molecularly imprinted polymer extraction method for the gas chromatographic analysis of flavonoids. <i>Journal of Separation Science</i> , 2014 , 37, 1018-25	3.4	18
262	Multidimensional and comprehensive two-dimensional gas chromatography of dichloromethane soluble products from a high sulfur Jordanian oil shale. <i>Talanta</i> , 2014 , 120, 55-63	6.2	18
261	Multidimensional gas chromatography methods for bioanalytical research. <i>Bioanalysis</i> , 2014 , 6, 2461-79	2.1	16
260	Liquid-phase enantioselective chromatographic resolution using interpenetrated, homochiral framework materials. <i>Chemistry - A European Journal</i> , 2014 , 20, 11308-12	4.8	34
259	Essential-Oil Analysis of Irradiated Spices by Using Comprehensive Two-Dimensional Gas Chromatography. <i>ChemPlusChem</i> , 2014 , 79, 798-803	2.8	5
258	From Molecular Structures of Ionic Liquids to Predicted Retention of Fatty Acid Methyl Esters in Comprehensive Two-Dimensional Gas Chromatography. <i>ChemPlusChem</i> , 2014 , 79, 790-797	2.8	24
257	Metabolic profiling of yeast culture using gas chromatography coupled with orthogonal acceleration accurate mass time-of-flight mass spectrometry: application to biomarker discovery. <i>Analytica Chimica Acta</i> , 2014 , 807, 135-42	6.6	10
256	Combined effects of gamma-irradiation and modified atmosphere packaging on quality of some spices. <i>Food Chemistry</i> , 2014 , 154, 255-61	8.5	33
255	Profiling of soil fatty acids using comprehensive two-dimensional gas chromatography with mass spectrometry detection. <i>Journal of Chromatography A</i> , 2013 , 1317, 239-45	4.5	13
254	Genotypic and environmental effects on flavor attributes of Albion and Juliette strawberry fruits. <i>Scientia Horticulturae</i> , 2013 , 164, 633-642	4.1	26
253	Organophosphorus pesticide and ester analysis by using comprehensive two-dimensional gas chromatography with flame photometric detection. <i>Journal of Hazardous Materials</i> , 2013 , 263 Pt 2, 761-7	12.8	17
252	Simultaneous estimation of retention times of overlapping primary peaks in comprehensive two-dimensional GC. <i>Journal of Separation Science</i> , 2013 , 36, 2728-37	3.4	4
251	Chemical characterisation of two Australian-grown strawberry varieties by using comprehensive two-dimensional gas chromatography-mass spectrometry. <i>Food Chemistry</i> , 2013 , 141, 1997-2005	8.5	25

250	Comprehensive two-dimensional gas chromatography with flame photometric detection applied to organophosphorus pesticides in food matrices. <i>Microchemical Journal</i> , 2013 , 111, 25-31	4.8	31
249	GC for flavonoids analysis: Past, current, and prospective trends. <i>Journal of Separation Science</i> , 2013 , 36, 20-36	3.4	31
248	Benchmarking of candidate detectors for multiresidue analysis of pesticides by comprehensive two-dimensional gas chromatography. <i>Journal of Chromatography A</i> , 2013 , 1311, 140-8	4.5	30
247	Evaluation of comprehensive two-dimensional gas chromatography with flame photometric detection: potential application for sulfur speciation in shale oil. <i>Analytica Chimica Acta</i> , 2013 , 803, 174-80	6.6	21
246	Quality and antioxidant properties of instant noodles enhanced with common buckwheat flour. <i>Journal of Cereal Science</i> , 2013 , 57, 281-287	3.8	46
245	Aroma-impact compounds in dried spice as a quality index using solid phase microextraction with olfactometry and comprehensive two-dimensional gas chromatography. <i>Food Chemistry</i> , 2013 , 141, 4324-32	8.5	12
244	Oxidation of Neat Synthetic Paraffinic Kerosene Fuel and Fuel Surrogates: Quantitation of Dihydrofuranones. <i>Energy & Fuels</i> , 2013 , 27, 889-897	4.1	9
243	A modeling approach for orthogonality of comprehensive two-dimensional separations. <i>Analytical Chemistry</i> , 2013 , 85, 6356-63	7.8	27
242	Characterisation of capillary ionic liquid columns for gas chromatography-mass spectrometry analysis of fatty acid methyl esters. <i>Analytica Chimica Acta</i> , 2013 , 803, 166-73	6.6	65
241	Fast comprehensive two-dimensional gas chromatography method for fatty acid methyl ester separation and quantification using dual ionic liquid columns. <i>Journal of Chromatography A</i> , 2013 , 1312, 118-23	4.5	48
240	Gas chromatography/mass spectrometry-based metabolic profiling and differentiation of ginseng roots according to cultivation age using variable selection. <i>Journal of AOAC INTERNATIONAL</i> , 2013 , 96, 1266-72	1.7	12
239	Quantitative preparative gas chromatography of caffeine with nuclear magnetic resonance spectroscopy. <i>Journal of Separation Science</i> , 2013 , 36, 1774-80	3.4	14
238	The retention behaviour of amino acids in hydrophilic interaction liquid chromatography on zwitterionic stationary phases. <i>Journal of Separation Science</i> , 2013 , 36, 2217-22	3.4	12
237	Integrated multidimensional and comprehensive 2D GC analysis of fatty acid methyl esters. <i>Journal of Separation Science</i> , 2013 , 36, 878-85	3.4	29
236	Evaluation of Coptidis Rhizoma-Euodiae Fructus couple and Zuojin products based on HPLC fingerprint chromatogram and simultaneous determination of main bioactive constituents. <i>Pharmaceutical Biology</i> , 2013 , 51, 1384-92	3.8	8
235	Multidimensional gas chromatography. <i>TrAC - Trends in Analytical Chemistry</i> , 2012 , 34, 1-21	14.6	194
234	Simple preparative gas chromatographic method for isolation of menthol and menthone from peppermint oil, with quantitative GC-MS and (1) H NMR assay. <i>Journal of Separation Science</i> , 2012 , 35, 416-23	3.4	16
233	Component correlation between related samples by using comprehensive two-dimensional gas chromatography-time-of-flight mass spectrometry with chemometric tools. <i>Journal of Chromatography A</i> , 2012 , 1254, 98-106	4.5	7

232	Cumulative solid phase microextraction sampling for gas chromatography-olfactometry of Shiraz wine. <i>Journal of Chromatography A</i> , 2012 , 1255, 221-7	4.5	23
231	Novel hybrid comprehensive 2D-multidimensional gas chromatography for precise, high-resolution characterization of multicomponent samples. <i>Analytical Chemistry</i> , 2012 , 84, 4837-43	7.8	43
230	Advances in gas chromatographic methods for the identification of biomarkers in cancer. <i>Journal of Cancer</i> , 2012 , 3, 404-20	4.5	33
229	Preparative Gas Chromatography 2012 , 395-414		
228	System design for integrated comprehensive and multidimensional gas chromatography with mass spectrometry and olfactometry. <i>Analytical Chemistry</i> , 2012 , 84, 9154-62	7.8	33
227	Multidimensional gas chromatography of oxidative degradation products in algae-derived fuel oil samples using narrow heartcuts and rapid cycle times. <i>Journal of Chromatography A</i> , 2012 , 1224, 89-96	4.5	29
226	Biochemical monitoring of black raspberry (<i>Rubus coreanus</i> Miquel) fruits according to maturation stage by 1H NMR using multiple solvent systems. <i>Food Research International</i> , 2011 , 44, 1977-1987	7	59
225	Identification of potent odourants in wine and brewed coffee using gas chromatography-olfactometry and comprehensive two-dimensional gas chromatography. <i>Journal of Chromatography A</i> , 2011 , 1218, 7487-98	4.5	85
224	Universal method for online enrichment of target compounds in capillary gas chromatography using in-oven cryotrapping. <i>Analytical Chemistry</i> , 2011 , 83, 6485-92	7.8	20
223	Chemometrics in comprehensive multidimensional separations. <i>Analytical and Bioanalytical Chemistry</i> , 2011 , 401, 2373-86	4.4	37
222	Comprehensive two-dimensional gas chromatography applied to illicit drug analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2011 , 401, 2361-71	4.4	17
221	Retention indices in comprehensive two-dimensional gas chromatography. <i>Analytical and Bioanalytical Chemistry</i> , 2011 , 401, 2351-60	4.4	48
220	Rapid sequential separation of essential oil compounds using continuous heart-cut multi-dimensional gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2011 , 1218, 2626-34	4.5	20
219	Liquid chromatography fractionation with gas chromatography/mass spectrometry and preparative gas chromatography-nuclear magnetic resonance analysis of selected nonylphenol polyethoxylates. <i>Journal of Chromatography A</i> , 2011 , 1218, 4002-8	4.5	9
218	Headspace solid-phase microextraction combined with GC/MS-TOFMS for the analysis of volatile compounds of <i>Coptis</i> species rhizomes. <i>Journal of Separation Science</i> , 2011 , 34, 1157-66	3.4	11
217	One- and comprehensive two-dimensional high-performance liquid chromatography analysis of alkylphenol polyethoxylates. <i>Journal of Separation Science</i> , 2011 , 34, 3322-9	3.4	8
216	Simultaneous deconvolution and re-construction of primary and secondary overlapping peak clusters in comprehensive two-dimensional gas chromatography. <i>Journal of Chromatography A</i> , 2011 , 1218, 2301-10	4.5	19
215	Chemical signature of ecstasy volatiles by comprehensive two-dimensional gas chromatography. <i>Forensic Science International</i> , 2011 , 209, 11-20	2.6	25

214	Analytical Aspects of Modern Gas Chromatography: Mass Spectrometry 2011 , 31-59		
213	Characterization of Nitrogen-Containing Compounds in Heavy Gas Oil Petroleum Fractions Using Comprehensive Two-Dimensional Gas Chromatography Coupled to Time-of-Flight Mass Spectrometry. <i>Energy & Fuels</i> , 2010 , 24, 3572-3580	4.1	51
212	Characterization of tetra-aryl benzene isomers by using preparative gas chromatography with mass spectrometry, nuclear magnetic resonance spectroscopy, and X-ray crystallographic methods. <i>Analytical Chemistry</i> , 2010 , 82, 4501-9	7.8	31
211	Use of comprehensive two-dimensional gas chromatography/time-of-flight mass spectrometry for the characterization of biodegradation and unresolved complex mixtures in petroleum. <i>Geochimica Et Cosmochimica Acta</i> , 2010 , 74, 6468-6484	5.5	78
210	Investigating the levels and trends of organochlorine pesticides and polychlorinated biphenyl in sewage sludge. <i>Environment International</i> , 2010 , 36, 323-329	12.9	39
209	Observations on comprehensive two dimensional gas chromatography coupled with flame photometric detection for sulfur- and phosphorus-containing compounds. <i>Analytical Methods</i> , 2010 , 2, 243	3.2	27
208	A new mechanistic pathway under Sonogashira reaction protocol involving multiple acetylene insertions. <i>Dalton Transactions</i> , 2010 , 39, 3799-801	4.3	8
207	Comprehensive two-dimensional gas chromatography-mass spectrometry analysis of volatile constituents in Thai vetiver root oils obtained by using different extraction methods. <i>Phytochemical Analysis</i> , 2010 , 21, 163-73	3.4	21
206	Selective Separation of Oxy-PAH from n-Alkanes and PAH in Complex Organic Mixtures Extracted from Airborne PM2.5. <i>Chromatographia</i> , 2010 , 72, 913-921	2.1	5
205	Evaluation of World Anti-Doping Agency criteria for anabolic agent analysis by using comprehensive two-dimensional gas chromatography-mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 396, 2503-11	4.4	22
204	Analysis of volatile organic compounds in polyurethane coatings based on Eucalyptus sp. bio-oil pitch using comprehensive two-dimensional gas chromatography (GC/GC). <i>Journal of Analytical and Applied Pyrolysis</i> , 2010 , 88, 91-97	6	18
203	Comprehensive two-dimensional gas chromatography, retention indices and time-of-flight mass spectra of flavonoids and chalcones. <i>Journal of Chromatography A</i> , 2010 , 1217, 8317-26	4.5	28
202	Electrokinetic removal of creosote from treated timber waste: a comprehensive gas chromatographic view. <i>Journal of Applied Electrochemistry</i> , 2010 , 40, 1183-1193	2.6	14
201	Investigating the distribution of polybrominated diphenyl ethers through an Australian wastewater treatment plant. <i>Science of the Total Environment</i> , 2010 , 408, 1604-11	10.2	50
200	Simultaneous analysis of seven alkaloids in Coptis-Evodia herb couple and Zuojin pill by UPLC with accelerated solvent extraction. <i>Journal of Separation Science</i> , 2010 , 33, 2714-22	3.4	22
199	One-pot microwave derivatization of target compounds relevant to metabolomics with comprehensive two-dimensional gas chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2010 , 878, 1761-70	3.2	35
198	Development of a switchable multidimensional/comprehensive two-dimensional gas chromatographic analytical system. <i>Journal of Chromatography A</i> , 2010 , 1217, 1522-9	4.5	42
197	Metabolic profiling of infant urine using comprehensive two-dimensional gas chromatography: Application to the diagnosis of organic acidurias and biomarker discovery. <i>Journal of Chromatography A</i> , 2010 , 1217, 104-11	4.5	56

196	Comprehensive two-dimensional gas chromatography improves separation and identification of anabolic agents in doping control. <i>Journal of Chromatography A</i> , 2010 , 1217, 127-35	4.5	27
195	Dynamic interconversion of chiral oxime compounds in gas chromatography. <i>Journal of Chromatography A</i> , 2010 , 1217, 1114-25	4.5	12
194	Headspace solid-phase microextraction combined with comprehensive two-dimensional gas chromatography time-of-flight mass spectrometry for the determination of volatile compounds from marine salt. <i>Journal of Chromatography A</i> , 2010 , 1217, 5511-21	4.5	40
193	Comparative qualitative analysis of nonylphenol isomers by gas chromatography-mass spectrometry combined with chemometric resolution. <i>Journal of Chromatography A</i> , 2010 , 1217, 7759-66	4.5	18
192	Accelerating analysis for metabolomics, drugs and their metabolites in biological samples using multidimensional gas chromatography. <i>Bioanalysis</i> , 2009 , 1, 367-91	2.1	15
191	Determination of the surface heat-transfer coefficient in CE. <i>Electrophoresis</i> , 2009 , 30, 910-20	3.6	8
190	Effects of variation in modulator temperature during cryogenic modulation in comprehensive two-dimensional gas chromatography. <i>Journal of Separation Science</i> , 2009 , 32, 3144-51	3.4	8
189	Cultivar variations of Australian-grown Danshen (<i>Salvia miltiorrhiza</i>): bioactive markers and root yields. <i>Chemistry and Biodiversity</i> , 2009 , 6, 170-81	2.5	10
188	Investigation of folic acid stability in fortified instant Asian noodles by use of capillary electrophoresis. <i>Food Chemistry</i> , 2009 , 112, 507-514	8.5	27
187	Determination of volatile compounds in Brazilian distilled cacha� by using comprehensive two-dimensional gas chromatography and effects of production pathways. <i>Journal of Chromatography A</i> , 2009 , 1216, 2881-90	4.5	39
186	Multiple component isolation in preparative multidimensional gas chromatography with characterisation by mass spectrometry and nuclear magnetic resonance spectroscopy. <i>Journal of Chromatography A</i> , 2009 , 1216, 5740-7	4.5	32
185	Comprehensive two-dimensional gas chromatography-mass spectrometry analysis and comparison of volatile organic compounds in Brazilian cacha� and selected spirits. <i>Food Chemistry</i> , 2009 , 112, 747-755	8.5	49
184	Peak modeling approach to accurate assignment of first-dimension retention times in comprehensive two-dimensional chromatography. <i>Analytical Chemistry</i> , 2009 , 81, 6797-804	7.8	27
183	Emerging opportunities for flavor analysis through hyphenated gas chromatography. <i>Journal of Agricultural and Food Chemistry</i> , 2009 , 57, 9962-71	5.7	33
182	Response to Provisional human health risk assessment of PBDEs in sewage sludge used for agricultural purposes by Marek Banasik et al.. <i>Chemosphere</i> , 2009 , 77, 702-703	8.4	
181	Biometric, nutritional and sensory characteristic modifications in farmed Murray cod (<i>Maccullochella peelii peelii</i>) during the purging process. <i>Aquaculture</i> , 2009 , 287, 354-360	4.4	14
180	Comprehensive two-dimensional gas chromatography time-of-flight mass spectrometry and simultaneous electron capture detection/nitrogen phosphorous detection for incense analysis. <i>Atmospheric Environment</i> , 2008 , 42, 7360-7372	5.3	15
179	Comprehensive two-dimensional gas chromatography for fingerprint pattern recognition in cacha� production. <i>Talanta</i> , 2008 , 74, 793-9	6.2	60

178	Dioxin-like compounds in Australian sewage sludge--review and national survey. <i>Chemosphere</i> , 2008 , 72, 1215-28	8.4	33
177	Polybrominated diphenyl ethers and polybrominated biphenyls in Australian sewage sludge. <i>Chemosphere</i> , 2008 , 73, 980-9	8.4	55
176	Method for small-molecule discovery based on microscale-preparative multidimensional gas chromatography isolation with nuclear magnetic resonance spectroscopy. <i>Analytical Chemistry</i> , 2008 , 80, 6293-9	7.8	47
175	Dual-injection system with multiple injections for determining bidimensional retention indexes in comprehensive two-dimensional gas chromatography. <i>Analytical Chemistry</i> , 2008 , 80, 760-8	7.8	39
174	Effects of starvation and water quality on the purging process of farmed Murray cod (<i>Maccullochella peelii peelii</i>). <i>Journal of Agricultural and Food Chemistry</i> , 2008 , 56, 9037-45	5.7	9
173	Dual NPD/ECD detection in comprehensive two-dimensional gas chromatography for multiclass pesticide analysis. <i>Journal of Separation Science</i> , 2008 , 31, 3404-15	3.4	25
172	Characterization of biodiesel and biodiesel blends using comprehensive two-dimensional gas chromatography. <i>Journal of Separation Science</i> , 2008 , 31, 2640-9	3.4	36
171	Marine fragrance chemistry. <i>Chemistry and Biodiversity</i> , 2008 , 5, 1034-44	2.5	2
170	Quantification in comprehensive two-dimensional gas chromatography and a model of quantification based on selected summed modulated peaks. <i>Journal of Chromatography A</i> , 2008 , 1184, 323-40	4.5	66
169	Qualitative mass spectrometric analysis of the volatile fraction of creosote-treated railway wood sleepers by using comprehensive two-dimensional gas chromatography. <i>Journal of Chromatography A</i> , 2008 , 1178, 215-22	4.5	27
168	Trends and developments in gas chromatography. Foreword. <i>Journal of Chromatography A</i> , 2008 , 1186, 1	4.5	3
167	Modulation-induced error in comprehensive two-dimensional gas chromatographic separations. <i>Journal of Chromatography A</i> , 2008 , 1200, 17-27	4.5	30
166	Quantification of polycyclic aromatic hydrocarbons based on comprehensive two-dimensional gas chromatography-isotope dilution mass spectrometry. <i>Journal of Chromatography A</i> , 2008 , 1201, 161-8	4.5	26
165	Investigation of folic acid stability in fortified instant noodles by use of capillary electrophoresis and reversed-phase high performance liquid chromatography. <i>Journal of Chromatography A</i> , 2008 , 1213, 93-9	4.5	37
164	Application of comprehensive two-dimensional gas chromatography to sterols analysis. <i>Journal of Chromatography A</i> , 2008 , 1214, 134-42	4.5	31
163	Application of microscale-preparative multidimensional gas chromatography with nuclear magnetic resonance spectroscopy for identification of pure methylnaphthalenes from crude oils. <i>Journal of Chromatography A</i> , 2008 , 1215, 168-76	4.5	31
162	Comparative study of Eucalyptus dunnii volatile oil composition using retention indices and comprehensive two-dimensional gas chromatography coupled to time-of-flight and quadrupole mass spectrometry. <i>Journal of Chromatography A</i> , 2008 , 1200, 34-42	4.5	48
161	On-line concentration of environmental pollutant samples by using capillary electrophoresis. <i>Methods in Molecular Biology</i> , 2008 , 384, 661-701	1.4	3

160	Comparison of odor-active compounds in the spicy fraction of hop (<i>Humulus lupulus</i> L.) essential oil from four different varieties. <i>Journal of Agricultural and Food Chemistry</i> , 2007 , 55, 6252-61	5.7	99
159	Enantiomeric analysis of amino acids by using comprehensive two-dimensional gas chromatography. <i>Chirality</i> , 2007 , 19, 228-34	2.1	26
158	Synthesis of Benzodioxepinone Analogues via a Novel Synthetic Route with Qualitative Olfactory Evaluation. <i>Helvetica Chimica Acta</i> , 2007 , 90, 1006-1027	2	10
157	Synthesis and Qualitative Olfactory Evaluation of Benzodioxepine Analogues. <i>Helvetica Chimica Acta</i> , 2007 , 90, 854-863	2	8
156	Comprehensive two-dimensional gas chromatography for the separation of fatty acids in milk. <i>European Journal of Lipid Science and Technology</i> , 2007 , 109, 757-766	3	34
155	Study of the enantioseparation of imazaquin and enantioselective degradation in field soils by CZE. <i>Electrophoresis</i> , 2007 , 28, 2710-6	3.6	19
154	CE methods applied to the analysis of micronutrients in foods. <i>Electrophoresis</i> , 2007 , 28, 3390-413	3.6	24
153	Reliable electrophoretic mobilities free from Joule heating effects using CE. <i>Electrophoresis</i> , 2007 , 28, 3759-66	3.6	21
152	Qualitative and quantitative study of nitrogen-containing compounds in heavy gas oil using comprehensive two-dimensional gas chromatography with nitrogen phosphorus detection. <i>Journal of Separation Science</i> , 2007 , 30, 3223-32	3.4	47
151	Development of an algorithm for peak detection in comprehensive two-dimensional chromatography. <i>Journal of Chromatography A</i> , 2007 , 1156, 14-24	4.5	74
150	Development of a resolution metric for comprehensive two-dimensional chromatography. <i>Journal of Chromatography A</i> , 2007 , 1146, 232-41	4.5	30
149	Determination of polycyclic aromatic hydrocarbons in vegetable oils using solid-phase microextraction-comprehensive two-dimensional gas chromatography coupled with time-of-flight mass spectrometry. <i>Journal of Chromatography A</i> , 2007 , 1161, 284-91	4.5	94
148	The combination of gas chromatography-olfactometry and multidimensional gas chromatography for the characterisation of essential oils. <i>Journal of Chromatography A</i> , 2007 , 1150, 70-7	4.5	68
147	Characterization of incense smoke by solid phase microextraction-comprehensive two-dimensional gas chromatography (GC/C). <i>Atmospheric Environment</i> , 2007 , 41, 5756-5768	5.3	24
146	Proposed minimum reporting standards for chemical analysis Chemical Analysis Working Group (CAWG) Metabolomics Standards Initiative (MSI). <i>Metabolomics</i> , 2007 , 3, 211-221	4.7	2472
145	Fast comprehensive two-dimensional gas chromatography with cryogenic modulation. <i>Analytical Chemistry</i> , 2007 , 79, 4448-54	7.8	31
144	Nomenclatura na língua portuguesa em cromatografia multidimensional abrangente. <i>Quimica Nova</i> , 2007 , 30, 682-687	1.6	6
143	Nest- and colony-mate recognition in polydomous colonies of meat ants (<i>Iridomyrmex purpureus</i>). <i>Die Naturwissenschaften</i> , 2006 , 93, 309-14	2	27

142	Projection of multidimensional GC data into alternative dimensions-exploiting sample dimensionality and structured retention patterns. <i>Analytical and Bioanalytical Chemistry</i> , 2006 , 386, 602-614	4.4	22
141	Variation of zeta-potential with temperature in fused-silica capillaries used for capillary electrophoresis. <i>Electrophoresis</i> , 2006 , 27, 672-6	3.6	36
140	Simultaneous separation of nitrofurantoin antibiotics and their metabolites by using micellar electrokinetic capillary chromatography. <i>Electrophoresis</i> , 2006 , 27, 4069-77	3.6	24
139	Studies on thermionic ionisation detection in comprehensive two-dimensional gas chromatography. <i>Journal of Separation Science</i> , 2006 , 29, 2375-82	3.4	27
138	Detector technologies for comprehensive two-dimensional gas chromatography. <i>Journal of Separation Science</i> , 2006 , 29, 1909-21	3.4	40
137	Identification of character impact odorants in coriander and wild coriander leaves using GC-olfactometry and GC x GC-TOFMS. <i>Developments in Food Science</i> , 2006 , 43, 197-200		2
136	Modulation ratio in comprehensive two-dimensional gas chromatography. <i>Analytical Chemistry</i> , 2006 , 78, 4578-87	7.8	139
135	Fast GCxGC with short primary columns. <i>Analytical Chemistry</i> , 2006 , 78, 2028-34	7.8	24
134	Generating multiple independent retention index data in dual-secondary column comprehensive two-dimensional gas chromatography. <i>Analytical Chemistry</i> , 2006 , 78, 8089-97	7.8	53
133	Temperature profiles and heat dissipation in capillary electrophoresis. <i>Analytical Chemistry</i> , 2006 , 78, 2684-93	7.8	30
132	Comparison of column phase configurations for comprehensive two dimensional gas chromatographic analysis of crude oil and bitumen. <i>Organic Geochemistry</i> , 2006 , 37, 1190-1194	3.1	54
131	Caracterizaçã de amostras petroquímicas e derivados utilizando cromatografia gasosa bidimensional abrangente (GCxGC). <i>Quimica Nova</i> , 2006 , 29, 765-775	1.6	15
130	Comprehensive two-dimensional gas chromatography/mass spectrometric analysis of pepper volatiles. <i>Rapid Communications in Mass Spectrometry</i> , 2006 , 20, 2823-36	2.2	74
129	Applications of comprehensive two-dimensional gas chromatography to the characterization of petrochemical and related samples. <i>Journal of Chromatography A</i> , 2006 , 1105, 39-50	4.5	88
128	Enantiomeric separation and quantification of ephedrine-type alkaloids in herbal materials by comprehensive two-dimensional gas chromatography. <i>Journal of Chromatography A</i> , 2006 , 1112, 361-8	4.5	46
127	Application of comprehensive two-dimensional gas chromatography with nitrogen-selective detection for the analysis of fungicide residues in vegetable samples. <i>Journal of Chromatography A</i> , 2006 , 1131, 203-14	4.5	48
126	Targeted multidimensional gas chromatography for the quantitative analysis of suspected allergens in fragrance products. <i>Journal of Chromatography A</i> , 2006 , 1130, 122-9	4.5	41
125	Evaluation of New Stationary Phases for the Separation of Fatty Acid Methyl Esters. <i>Chromatographia</i> , 2006 , 63, S61-S66	2.1	38

124	Analysis of strawberry volatiles using comprehensive two-dimensional gas chromatography with headspace solid-phase microextraction. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2005 , 817, 97-107	3.2	62
123	Microwave assisted synthesis of the fragrant compound Calone 1951. <i>Tetrahedron Letters</i> , 2005 , 46, 39-41	2	8
122	Advanced and innovative chromatographic techniques for the study of citrus essential oils. <i>Flavour and Fragrance Journal</i> , 2005 , 20, 249-264	2.5	21
121	Internal electrolyte temperatures for polymer and fused-silica capillaries used in capillary electrophoresis. <i>Electrophoresis</i> , 2005 , 26, 4333-44	3.6	14
120	Identification of character-impact odorants in coriander and wild coriander leaves using gas chromatography-olfactometry (GCO) and comprehensive two-dimensional gas chromatography-time-of-flight mass spectrometry (GC x GC-TOFMS). <i>Journal of Separation Science</i> , 2005 , 28, 1061-74	3.4	87
119	Analysis of methoxypyrazines in wine using headspace solid phase microextraction with isotope dilution and comprehensive two-dimensional gas chromatography. <i>Journal of Separation Science</i> , 2005 , 28, 1075-82	3.4	93
118	Amino acid analysis by using comprehensive two-dimensional gas chromatography. <i>Analytical and Bioanalytical Chemistry</i> , 2005 , 382, 836-47	4.4	56
117	Orthogonality considerations in comprehensive two-dimensional gas chromatography. <i>Journal of Chromatography A</i> , 2005 , 1071, 47-53	4.5	86
116	Comprehensive two-dimensional gas chromatography with flame ionization and time-of-flight mass spectrometry detection: qualitative and quantitative analysis of West Australian sandalwood oil. <i>Journal of Chromatographic Science</i> , 2004 , 42, 417-22	1.4	42
115	Comprehensive two-dimensional gas chromatography with time-of-flight mass spectrometry (GC x GC-TOFMS) for drug screening and confirmation. <i>Forensic Science International</i> , 2004 , 143, 87-101	2.6	68
114	Quantitation of suspected allergens in fragrances (Part I): evaluation of comprehensive two-dimensional gas chromatography for quality control. <i>Flavour and Fragrance Journal</i> , 2004 , 19, 91-98	2.5	48
113	Enantioselective gas chromatographic analysis of monoterpenes in essential oils of the family Myrtaceae. <i>Flavour and Fragrance Journal</i> , 2004 , 19, 582-585	2.5	28
112	Ultra-fast essential oil characterization by capillary GC on a 50 microm ID column. <i>Journal of Separation Science</i> , 2004 , 27, 699-702	3.4	28
111	Application of headspace solid-phase microextraction (HS-SPME) and comprehensive two-dimensional gas chromatography (GC x GC) for the chemical profiling of volatile oils in complex herbal mixtures. <i>Journal of Separation Science</i> , 2004 , 27, 451-8	3.4	39
110	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
109	Molecular structure retention relationships in comprehensive two-dimensional gas chromatography. <i>Journal of Separation Science</i> , 2004 , 27, 1273-84	3.4	53
108	Rapid sequential heart-cut multidimensional gas chromatographic analysis. <i>Journal of Chromatography A</i> , 2004 , 1056, 163-9	4.5	27
107	Molecular interconversion behaviour in comprehensive two-dimensional gas chromatography. <i>Journal of Chromatography A</i> , 2004 , 1033, 135-43	4.5	19

106	Chapter 8 Gas chromatography. <i>Journal of Chromatography Library</i> , 2004 , 319-368		1
105	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
104	Comprehensive two-dimensional gas chromatography–quadrupole mass spectrometric analysis of drugs. <i>Journal of Chromatography A</i> , 2004 , 1058, 223-232	4.5	35
103	Analysis of roasted coffee bean volatiles by using comprehensive two-dimensional gas chromatography–time-of-flight mass spectrometry 2004 , 1054, 57-57		46
102	Ultra-High Resolution Capillary Gas Chromatography by Using Cryogenic Modulation. <i>Australian Journal of Chemistry</i> , 2003 , 56, 187	1.2	4
101	Solid-phase microextraction–on-fibre derivatization with comprehensive two dimensional gas chromatography analysis of trans-resveratrol in wine. <i>Chromatographia</i> , 2003 , 57, S349-S353	2.1	29
100	Separation of positional isomers by the use of coupled shape-selective stationary phase columns. <i>Analytical and Bioanalytical Chemistry</i> , 2003 , 375, 635-42	4.4	14
99	Comprehensive two-dimensional gas chromatography. <i>Analytical and Bioanalytical Chemistry</i> , 2003 , 376, 295-7	4.4	19
98	Solid-phase micro-extraction–comprehensive two-dimensional gas chromatography of ginger (<i>Zingiber officinale</i>) volatiles. <i>Flavour and Fragrance Journal</i> , 2003 , 18, 5-12	2.5	41
97	Opportunities for ultra-high resolution analysis of essential oils using comprehensive two-dimensional gas chromatography: a review. <i>Flavour and Fragrance Journal</i> , 2003 , 18, 179-191	2.5	49
96	Large-volume stacking with polarity switching and sweeping for chlorophenols and chlorophenoxy acids in capillary electrophoresis. <i>Electrophoresis</i> , 2003 , 24, 2180-7	3.6	22
95	Comprehensive two-dimensional gas chromatography (GC/C) and GC/C–quadrupole MS analysis of Asian and American ginseng. <i>Journal of Separation Science</i> , 2003 , 26, 1185-1192	3.4	62
94	Chemometric analysis of comprehensive two-dimensional gas chromatography data using cryogenic modulation. <i>Analytica Chimica Acta</i> , 2003 , 500, 211-222	6.6	32
93	Pressurised liquid extraction–comprehensive two-dimensional gas chromatography for fast-screening of polycyclic aromatic hydrocarbons in soil. <i>Journal of Chromatography A</i> , 2003 , 1019, 2214-5	4.5	50
92	Methods for generating second dimension retention index data in comprehensive two-dimensional gas chromatography. <i>Journal of Chromatography A</i> , 2003 , 1019, 3-14	4.5	38
91	Application of comprehensive two-dimensional gas chromatography to drugs analysis in doping control. <i>Journal of Chromatography A</i> , 2003 , 1000, 109-24	4.5	52
90	Retention time reproducibility in comprehensive two-dimensional gas chromatography using cryogenic modulation. II. An interlaboratory study. <i>Journal of Chromatography A</i> , 2003 , 1019, 273-8	4.5	18
89	Spherical coordinate representations of solvent composition for liquid chromatography method development using experimental design. <i>Journal of Chromatography A</i> , 2003 , 1008, 43-56	4.5	8

88	Application of comprehensive two-dimensional gas chromatography to the quantification of overlapping faecal sterols. <i>Journal of Chromatography A</i> , 2003 , 1019, 197-210	4.5	22
87	Comprehensive two-dimensional gas chromatography-mass spectrometry analysis of Pelargonium graveolens essential oil using rapid scanning quadrupole mass spectrometry. <i>Analyst, The</i> , 2003 , 128, 879	5	69
86	A review of environmental toxicant analysis by using multidimensional gas chromatography and comprehensive GC. <i>Clinica Chimica Acta</i> , 2003 , 328, 1-19	6.2	64
85	Metabolism of bisphenol A in zebrafish (<i>Danio rerio</i>) and rainbow trout (<i>Oncorhynchus mykiss</i>) in relation to estrogenic response. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2003 , 135, 169-77	3.2	39
84	Simulation of elution profiles for two-dimensional dynamic gas chromatographic experiments. <i>Analytical Chemistry</i> , 2003 , 75, 4452-61	7.8	21
83	Targeted multidimensional gas chromatography using microswitching and cryogenic modulation. <i>Analytical Chemistry</i> , 2003 , 75, 5532-8	7.8	39
82	Interactive Use of Linear Retention Indices on Polar and Apolar Columns with an MS-Library for Reliable Characterization of Australian Tea Tree and Other Melaleuca sp. Oils. <i>Journal of Essential Oil Research</i> , 2003 , 15, 305-312	2.3	28
81	25th International Symposium on Capillary Chromatography Riva del Garda, Italy; 13-17 May 2002. <i>Journal of Separation Science</i> , 2002 , 25, 624-625	3.4	9
80	Retention correlation maps in comprehensive two-dimensional gas chromatography. <i>Journal of Separation Science</i> , 2002 , 25, 831-838	3.4	45
79	Positional and geometric isomer separation of FAME by comprehensive 2-D GC. <i>Lipids</i> , 2002 , 37, 715-24	1.6	48
78	Principles and applications of comprehensive two-dimensional gas chromatography. <i>TrAC - Trends in Analytical Chemistry</i> , 2002 , 21, 573-583	14.6	224
77	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
76	Effects of temperature and flow regulated carbon dioxide cooling in longitudinally modulated cryogenic systems for comprehensive two-dimensional gas chromatography. <i>Journal of Chromatography A</i> , 2002 , 962, 127-34	4.5	21
75	Influence of chromatographic conditions on separation in comprehensive gas chromatography. <i>Journal of Chromatography A</i> , 2002 , 962, 135-52	4.5	39
74	Retention time reproducibility in comprehensive two-dimensional gas chromatography using cryogenic modulation an intralaboratory study. <i>Journal of Chromatography A</i> , 2002 , 968, 161-70	4.5	50
73	A review of basic concepts in comprehensive two-dimensional gas chromatography. <i>Journal of Chromatographic Science</i> , 2002 , 40, 276-91	1.4	164
72	Headspace solid-phase microextraction--comprehensive two-dimensional gas chromatography of wound induced plant volatile organic compound emissions. <i>Analyst, The</i> , 2002 , 127, 1601-7	5	41
71	Comprehensive two-dimensional gas chromatography with fast enantioseparation. <i>Analytical Chemistry</i> , 2002 , 74, 5426-30	7.8	100

70	Shape selectivity: A key factor in comprehensive two-dimensional gas chromatographic analysis of toxic PCBs. <i>Journal of Separation Science</i> , 2001 , 13, 306-311		33
69	Separation of chlorophenoxyacetic acids and chlorophenols by using capillary zone electrophoresis. <i>Electrophoresis</i> , 2001 , 22, 2179-85	3.6	7
68	Observation of non-linear chromatographic peaks in comprehensive two-dimensional gas chromatography. <i>Journal of Separation Science</i> , 2001 , 24, 367-377	3.4	28
67	Application of comprehensive two-dimensional gas chromatography (GC/C) to the enantioselective analysis of essential oils. <i>Journal of Separation Science</i> , 2001 , 24, 823-830	3.4	69
66	Gas chromatographic technologies for the analysis of essential oils. <i>Journal of Chromatography A</i> , 2001 , 936, 1-22	4.5	204
65	Time-resolved cryogenic modulation reveals isomer interconversion profiles in dynamic chromatography. <i>Journal of Chromatography A</i> , 2001 , 919, 115-26	4.5	32
64	Concepts and Preliminary Observations on the Triple-Dimensional Analysis of Complex Volatile Samples by Using GC/C/OFMS. <i>Analytical Chemistry</i> , 2001 , 73, 1336-1344	7.8	154
63	Analytical Study of Comprehensive and Targeted Multidimensional Gas Chromatography Incorporating Modulated Cryogenic Trapping. <i>Journal of AOAC INTERNATIONAL</i> , 2001 , 84, 323-336	1.7	20
62	A comparison of modulating interface technologies in comprehensive two-dimensional gas chromatography (GC/C) 2000 , 12, 187-193		26
61	Design and Implementation of Comprehensive Gas Chromatography with Cryogenic Modulation. <i>Journal of High Resolution Chromatography</i> , 2000 , 23, 245-252		86
60	Comparison of Thermal Sweeper and Cryogenic Modulator Technology for Comprehensive Gas Chromatography. <i>Journal of High Resolution Chromatography</i> , 2000 , 23, 253-258		46
59	Simultaneous Speciation Analysis of Fe(II) and Fe(III) in Mineral Samples by Using Capillary Electrophoresis. <i>Journal of High Resolution Chromatography</i> , 2000 , 23, 430-436		17
58	Characterization and Comparison of Tea Tree and Lavender Oils by Using Comprehensive Gas Chromatography. <i>Journal of High Resolution Chromatography</i> , 2000 , 23, 554-560		53
57	High resolution essential oil analysis by using comprehensive gas chromatographic methodology. <i>Flavour and Fragrance Journal</i> , 2000 , 15, 225-239	2.5	72
56	Time-resolved cryogenic modulation for targeted multidimensional capillary gas chromatography analysis. <i>Journal of Chromatography A</i> , 2000 , 892, 15-28	4.5	41
55	New operational modes for multidimensional and comprehensive gas chromatography by using cryogenic modulation. <i>Journal of Chromatography A</i> , 2000 , 866, 203-12	4.5	39
54	A larger pool of ozone-forming carbon compounds in urban atmospheres. <i>Nature</i> , 2000 , 405, 778-81	50.4	292
53	Supercritical-fluid extraction of synthetic pyrethroids from wool. <i>Journal of Proteomics</i> , 2000 , 43, 411-29		9

52	Sorption of volatile organics from water using an open-tubular, wall-coated capillary column. <i>Analyst, The</i> , 2000 , 125, 469-475	5	6
51	A comparison of modulating interface technologies in comprehensive two-dimensional gas chromatography (GC/C) 2000 , 12, 187		1
50	Design and Implementation of Comprehensive Gas Chromatography with Cryogenic Modulation 2000 , 23, 245		1
49	Simultaneous Speciation Analysis of Fe(II) and Fe(III) in Mineral Samples by Using Capillary Electrophoresis 2000 , 23, 430		1
48	Cryogenic solute manipulation in gas chromatography – the longitudinal modulation approach. <i>TrAC - Trends in Analytical Chemistry</i> , 1999 , 18, 114-125	14.6	43
47	In-tube solid phase micro-extraction – gas chromatography of volatile compounds in aqueous solution. <i>Analyst, The</i> , 1999 , 124, 651-655	5	27
46	High Speed Cryogenic Modulation – A Technology Enabling Comprehensive Multidimensional Gas Chromatography. <i>Journal of High Resolution Chromatography</i> , 1999 , 22, 235-238		52
45	Effect of Injector Conditions on the Reproducibility of Gas Chromatographic-Electron Capture Detection of Sterol Derivatives and Synthetic Pyrethroids. <i>Journal of High Resolution Chromatography</i> , 1999 , 22, 362-366		1
44	High Speed Cryogenic Modulation – A Technology Enabling Comprehensive Multidimensional Gas Chromatography 1999 , 22, 235		1
43	High Speed Cryogenic Modulation – A Technology Enabling Comprehensive Multidimensional Gas Chromatography 1999 , 22, 235		1
42	Enantiomeric separation of propranolol and selected metabolites by using capillary electrophoresis with hydroxypropyl-beta-cyclodextrin as chiral selector. <i>Journal of Chromatography A</i> , 1998 , 793, 357-64 ^{4.5}		47
41	Application of pentafluorophenyldimethylsilyl derivatization for gas chromatography – electron-capture detection of supercritically extracted sterols. <i>Journal of Chromatography A</i> , 1998 , 809, 109-120	4.5	21
40	Enhancement of Signal-to-Noise Ratios in Capillary Gas Chromatography by Using a Longitudinally Modulated Cryogenic System. <i>Journal of High Resolution Chromatography</i> , 1998 , 21, 32-38		41
39	Comprehensive Two-Dimensional Gas Chromatography Using a Modulating Cryogenic Trap. <i>Journal of High Resolution Chromatography</i> , 1998 , 21, 620-622		90
38	Borate Complexation and Mixed Cyclodextrin Additives for Chiral Separation of Propranolol and Its Metabolites by Capillary Electrophoresis. <i>Journal of High Resolution Chromatography</i> , 1998 , 21, 640-644		14
37	Longitudinal modulation studies for augmentation of injection and detection in capillary gas chromatography. <i>Journal of Separation Science</i> , 1998 , 10, 611-616		16
36	Supercritical fluid extraction and gas chromatographic electron capture detection method for sterol analysis of environmental water samples. <i>Analytical Communications</i> , 1998 , 35, 265-268		3
35	Development of a new compact high resolution sector inductively coupled plasma mass spectrometer. <i>Journal of Analytical Atomic Spectrometry</i> , 1998 , 13, 1021-1025	3.7	4

34	Modulation and Manipulation of Gas Chromatographic Bands by Using Novel Thermal Means.. <i>Analytical Sciences</i> , 1998 , 14, 651-659	1.7	27
33	Optimization of the capillary electrophoresis separation of ranitidine and related compounds. <i>Journal of Chromatography A</i> , 1997 , 766, 245-254	4.5	33
32	Longitudinally modulated cryogenic system. A generally applicable approach to solute trapping and mobilization in gas chromatography. <i>Analytical Chemistry</i> , 1997 , 69, 2582-8	7.8	152
31	19th International symposium on capillary chromatography and electrophoresis. Wintergreen, Virginia conference center, May 18-22, 1997. <i>Journal of High Resolution Chromatography</i> , 1997 , 20, 459-459		
30	Capillary Gas Chromatography Injection: An Exercise for Students of Instrumental Analysis. <i>Journal of Chemical Education</i> , 1996 , 73, 96	2.4	6
29	Spectroscopic analysis of heterogeneous photocatalysis products of nonylphenol- and primary alcohol ethoxylate nonionic surfactants. <i>Chemosphere</i> , 1996 , 33, 1921-1940	8.4	26
28	A limitation of the microtox [®] test for toxicity measurements of nonionic surfactants. <i>Environmental Toxicology and Chemistry</i> , 1996 , 15, 1034-1037	3.8	6
27	Studies on cryogenic trapping of solutes during chromatographic elution in capillary gas chromatography. <i>Journal of High Resolution Chromatography</i> , 1996 , 19, 403-408		21
26	Multidimensional capillary gas chromatography of polychlorinated biphenyl marker compounds. <i>Journal of High Resolution Chromatography</i> , 1996 , 19, 622-626		12
25	Separation of zinc dialkyldithiophosphates in lubricating oil additives by normal-phase high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 1996 , 749, 87-94	4.5	21
24	Examination of a new chromatographic function, based on an exponential resolution term, for use in optimization strategies: application to capillary gas chromatography separation of phenols. <i>Journal of Chromatography A</i> , 1996 , 755, 235-243	4.5	42
23	Nitric Oxide Metabolites in Normal Human Pregnancy and Preeclampsia. <i>Hypertension in Pregnancy</i> , 1995 , 14, 339-349	2	36
22	Photocatalytic degradation of secondary alcohol ethoxylate: spectroscopic, chromatographic, and mass spectrometric studies. <i>Environmental Science & Technology</i> , 1995 , 29, 2235-42	10.3	12
21	Determination of Trace Levels of Diazinon and Propetamphos in Water and Sewage by Solid Phase Extraction. <i>International Journal of Environmental Analytical Chemistry</i> , 1994 , 54, 93-103	1.8	2
20	Effect of activated sludge microparticles on pesticide partitioning behavior. <i>Environmental Science & Technology</i> , 1994 , 28, 1916-20	10.3	2
19	Electrospray Mass Spectrometric Analysis and Photocatalytic Degradation of Polyethoxylate Surfactants Used in Wool Scouring. <i>Analytical Chemistry</i> , 1994 , 66, 3394-3399	7.8	50
18	Optimisation of Fluorescence Detection for Polyaromatic Hydrocarbon Determination by Using High Performance Liquid Chromatography. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1993 , 16, 3229-3247		16
17	Electrospray mass spectrometry of zinc dithiophosphate derivatives and its application to the analysis of engine oil antiwear additives. <i>Analytica Chimica Acta</i> , 1993 , 280, 239-244	6.6	28

16	Capillary column gas chromatographic method for the study of dynamic intramolecular interconversion behaviour. <i>Journal of Chromatography A</i> , 1988 , 447, 29-41	4.5	18
15	Photodegradation of parathion. <i>Bulletin of Environmental Contamination and Toxicology</i> , 1987 , 38, 820-62.7		6
14	Isomerization processes observed for chromium compounds by using the gas chromatographic reactor. <i>Inorganic Chemistry</i> , 1986 , 25, 3680-3683	5.1	28
13	The Barrier to Rotation in 9,10-Bis(2,3-dimethylphenyl)phenanthrene: Conformational Interconversion Observed at High Temperatures by Means of Gas Chromatography. <i>Australian Journal of Chemistry</i> , 1985 , 38, 307	1.2	17
12	Computerised gas chromatographic-mass spectrometric analysis of complex mixtures of alkyl porphyrins. <i>Journal of Chromatography A</i> , 1984 , 301, 107-28	4.5	27
11	Some Characteristics of a Flame Photometric Detector in Sulphur and Phosphorus Modes. <i>Journal of Chromatographic Science</i> , 1982 , 20, 83-90	1.4	17
10	Capillary GC and GC-MS of porphyrins and metalloporphyrins. <i>Chromatographia</i> , 1982 , 16, 304-308	2.1	13
9	Gas chromatography of some metal dialkyldithiophosphates with packed and capillary columns using flame photometric detection. <i>Journal of Chromatography A</i> , 1982 , 234, 157-169	4.5	10
8	Capillary gas chromatography of metalloporphyrin complexes. <i>Journal of Chromatography A</i> , 1982 , 236, 395-401	4.5	22
7	Capillary gas chromatography and gas chromatography-mass spectrometry of metal(III) and metal(IV) porphyrin complexes. <i>Journal of Chromatography A</i> , 1982 , 249, 291-310	4.5	16
6	Capillary gas chromatography and gas chromatography-mass spectrometry of silicon(IV) derivatives of porphyrins with polar substituents. <i>Journal of Chromatography A</i> , 1982 , 249, 311-321	4.5	12
5	Chromatographic parameters derived for the non-linear response of a flame photometric detector. <i>Chromatographia</i> , 1981 , 14, 279-284	2.1	10
4	Gas chromatography of volatile metal dialkyldithiophosphates. <i>Journal of Chromatography A</i> , 1980 , 193, 53-60	4.5	14
3	Optimisation of sulphur emission in molecular emission cavity analysis. <i>Analytica Chimica Acta</i> , 1980 , 121, 175-186	6.6	9
2	Detector Technologies and Applications in Comprehensive Two-Dimensional Gas Chromatography		243-280 2
1	Surmounting the off-flavor challenge in plant-based foods. <i>Critical Reviews in Food Science and Nutrition</i> , 1-22	11.5	0