

Present and Future Challenges in Food Analysis. Foodomics

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Supporting information:

Table S-1. Review papers, books, book-chapters and special issues devoted to *food analysis* from 2009 to 2011.

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#	Type of contribution	Title	Year	Reference
1	Review	Food analysis: A continuous challenge for miniaturized separation techniques	2009	Asensio-Ramos, M.; Hernández-Borges, J.; Rocco, A.; Fanali, S. <i>J. Sep. Sci.</i> 32, 3764-3800
2	Review	Metabolomic analysis in food science: a review	2009	Cevallos-Cevallos, J.M.; Reyes-De-Corcuera, J.I.; Etxeberria, E.; Danyluk, M.D.; Rodrick, G.E. <i>Trends Food Sci. Technol.</i> 20, 557-566
3	Review	Multidimensional chromatography in food analysis	2009	Herrero, M.; Ibáñez, E.; Cifuentes, A.; Bernal, J. <i>J. Chromatogr. A</i> 1216, 7110-7129
4	Review	Analysis of food proteins and peptides by mass spectrometry-based techniques	2009	Mamone, G.; Picariello, G.; Caira, S.; Addeo, F.; Ferranti, P. <i>J. Chromatogr. A</i> 1216, 7130-7142
5	Review	Recent applications of liquid chromatography-mass spectrometry to residue analysis of antimicrobials in food of animal origin	2009	Bogialli, S.; Di Corcia, A. <i>Anal. Bioanal. Chem.</i> 395, 947-966
6	Review	Application of molecularly imprinted polymers in food sample analysis - A perspective	2009	Lok, C.M.; Son, R. <i>Int. Food Res. J.</i> 16, 127-140
7	Review	Electrochemical biosensors for food analysis	2009	Viswanathan, S.; Radecka, H.; Radecki, J. <i>Monatshefte fur Chemie</i> 140, 891-899
8	Review	Analytical nanotechnology for food analysis	2009	Valdés, M.G.; González, A.C.V.; Calzón, J.A.G.; Díaz-García, M.E. <i>Microchim. Acta</i> 166, 1-19
9	Book Chapter	Analysis of Food Constituents	2009	Tranchida, P.Q.; Dugo, P.; Dugo, G.; Mondello, L. <i>Comprehensive Analytical Chemistry</i> , Volume 55, 2009, 215-241
10	Review	The application of CE-MS in the trace analysis of environmental pollutants and food contaminants	2009	Robledo, V.R.; Smyth, W.F. <i>Electrophoresis</i> 30, 1647-1660
11	Review	Analysis of melatonin in foods	2009	Garcia-Parrilla, M.C.; Cantos, E.; Troncoso, A.M. <i>J. Food Compos. Anal.</i> 22, 177-183
12	Review	³¹ P NMR spectroscopy in food analysis	2009	Spyros, A.; Dais, P. <i>Progr. Nuclear Magnetic Resonance Spectroscopy</i> 54, 195-207
13	Review	Review on sample preparation strategies and methods used for the analysis of aflatoxins in food and feed	2009	Reiter, E.; Zentek, J.; Razzazi, E. <i>Mol. Nutr. Food Res.</i> 53, 508-524
14	Review	Application of flow injection analysis for determining sulphites in food and beverages: A review	2009	Ruiz-Capillas, C.; Jiménez-Colmenero, F. <i>Food Chem.</i> 112, 487-493
15	Review	Streamlined methods for the resolution and quantification of fatty acids including trans fatty acid isomers in food products by gas chromatography.	2009	Golay, P. A.; Giuffrida, F.; Dionisi, F.; Destaillats, F. <i>J. AOAC Int.</i> 92, 1301-1309

16	Review	Qualitative and quantitative analysis of mycotoxins.	2009	Rahmani, A.; Jinap, S.; Soleimany, F. <i>Comprehensive Rev. Food Sci. Food Safety</i> 8, 202-251
17	Review	Carageenan: Biological properties, chemical modifications and structural analysis - A review.	2009	Campo, V. L.; Kawano, D. F.; Silva, D. B. d., Carvalho, I. <i>Carbohydrate Polymers</i> 77, 167-180
18	Review	A review of novel strategies of sample preparation for the determination of antibacterial residues in foodstuffs using liquid chromatography-based analytical methods.	2009	Marazuela, M. D.; Bogianni, S. <i>Anal. Chim. Acta</i> 645, 5-17
19	Review	Chemiluminescence detection in liquid chromatography: applications to clinical, pharmaceutical, environmental and food analysis. A review.	2009	Gamiz-Gracia, L.; Garcia-Campana, A. M.; Huertas-Perez, J. F.; Lara, F. J. <i>Anal. Chim. Acta</i> 640, 7-28
20	Review	One hundred years of progress in food analysis.	2009	McGorrin, R. J. <i>J. Agric. Food Chem.</i> 57, 8076-8088
21	Review	Various methods for determination of the degree of N-acetylation of chitin and chitosan: a review.	2009	Kasaai, M. R. <i>J. Agric. Food Chem.</i> 57, 1667-1676
22	Review	Maize authentication: quality control methods and multivariate analysis (chemometrics).	2009	Arvanitoyannis, I. S.; Vlachos, A. <i>Crit. Rev. Food Sci. Nutr.</i> 49, 501-537
23	Review	Antibiotics in food: legislation and validation of analytical methodologies.	2009	Companyo, R.; Granados, M.; Guiteras, J.; Prat, M. D. <i>Anal. Bioanal. Chem.</i> 95, 877-891
24	Review	An overview of sample preparation procedures for LC-MS multiclass antibiotic determination in environmental and food samples.	2009	Moreno-Bondi, M. C.; Marazuela, M. D.; Herranz, S.; Rodriguez, E. <i>Anal. Bioanal. Chem.</i> 395, 921-946
25	Review	Recent applications of liquid chromatography-mass spectrometry to residue analysis of antimicrobials in food of animal origin.	2009	Bogianni, S.; Corcia, A. <i>Anal. Bioanal. Chem.</i> 395, 947-966
26	Review	Analysis of antibiotics in fish samples.	2009	Canada-Canada, F.; Munoz de la Pena, A.; Espinosa-Mansilla, A. <i>Anal. Bioanal. Chem.</i> 395, 987-1008
27	Review	The use of molecular methods for detecting and discriminating <i>Salmonella</i> associated with foods - a review.	2009	Levin, R. E. <i>Food Biotechnol.</i> 23, 313-367
28	Review	Readiness of food composition databases and food component analysis systems for nutrigenomics.	2009	McCabe-Sellers, B. J.; Chenard, C. A.; Lovera, D.; Champagne, C. M.; Bogle, M. L.; Kaput, J. <i>J. Food Compos. Anal.</i> 22, S57-S62
29	Review	Analytical methods for monitoring contaminants in food - an industrial perspective.	2009	Wright, C. <i>J. Chromatogr. A</i> 1216, 316-319
30	Review	Advanced separation methods of food anthocyanins, isoflavones and flavanols.	2009	Valls, J.; Millan, S.; Marti, M. P.; Borras, E.; Arola, L. <i>J. Chromatogr. A</i> 1216, 7143-7172
31	Review	Rapid detection techniques for biological and chemical contamination in food: a review.	2009	Yali, T.; Lu, L.; Zhao, W.; Wang, J. <i>Int. J. Food Eng.</i> 5, art.2
32	Review	Applications of capillary electrophoresis and microchip	2009	Guo, L.; Qiu, B.; Xiao, X.; Chen, G. <i>Food Sci. Biotechnol.</i> 18, 823-832

		capillary electrophoresis for detection of genetically modified organisms.	
33	Special Issue	Food analysis	2009 L. Mondello, P.Q. Tranchida, F. Lancas, <i>J. Sep. Sci.</i> 32, 3573–3855
34	Special Issue	Advanced separation methods in food analysis	2009 A. Cifuentes, <i>J. Chromatogr. A</i> 1216, 7109-7358
35	Special Issue	Allergens in foods	2009 A. Paschke, F. Ulberth, <i>Anal. Bioanal. Chem.</i> 395, 1-240
36	Book	Handbook of dairy foods analysis	2009 L.M.L. Nollet, F. Toldra, CRC Press. ISBN: 978-1420046311
37	Book	Handbook of food analysis instruments	2009 S. Otles, CRC Press, ISBN: 9781420045666
38	Book	Food identity preservation and traceability: safer grains	2009 G.S. Bennet, CRC Press, ISBN: 978-1439804865
39	Book	Molecular biological and immunological techniques and applications for food chemists	2009 B. Popping, C. Diaz-Amigo, K. Hoenicke, John Wiley & Sons, ISBN: 978-0470068090
40	Book	Food contaminants-origin, propagation and analysis	2009 S.N. Mahindru, APH Publishing Corporation, ISBN: 817648525X
41	Book	Rapid detection and characterization of foodborne pathogens by molecular techniques	2009 R.E. Levin, CRC Press, ISBN: 9781420092424
42	Book	Molecular detection of foodborne pathogens	2009 D. Liu, CRC Press, ISBN: 9781420076431
43	Review	The fat that matters: Soil food web analysis using fatty acids and their carbon stable isotope signature	2010 Ruess, L.; Chamberlain, P.M. <i>Soil Biol. Chem.</i> 42, 1898-1910
44	Review	Quantitative analysis, in vitro assessment of bioavailability and antioxidant activity of food carotenoids-A review	2010 Rodriguez-Amaya, D.B., <i>J. Food Compos. Anal.</i> 23, 726-740
45	Review	Tandem MS for environmental and food analysis	2010 Barcelo, D.; Petrovic, M. <i>Anal Bioanal. Chem.</i> 398, 1143-1144
46	Review	Stable isotope ratio analyses of light elements and their application to verifying geographical origin of foods	2010 Korenaga, T. <i>Food Hygiene Safety Sci.</i> 51, 197-204
47	Review	Mid-infrared spectroscopy coupled with chemometrics: a tool for the analysis of intact food systems and the exploration of their molecular structure-quality relationships - A review	2010 Karoui, R.; Downey, G.; Blecker, C. <i>Chem. Rev.</i> 110, 6144-6168
48	Review	The 1st MS-food day conference: mass spectrometry applications in food analysis, Parma (Italy), December 2-3, 2009	2010 Giorgi, G. <i>J. Mass Spectrom.</i> 45, 965-965
49	Review	Food analysis - tradition as the basis for innovation	2010 Rohn, S. <i>Deut. Lebens. Rund.</i> 106, 45-45
50	Special Issue	Selected papers from the 4th International Symposium on Recent Advances in Food Analysis (RAFA 2009)	2010 <i>Anal Chim. Acta</i> 672, 1-146
51	Special Issue	Evaluation of anti-inflammatory and anti-allergic of food components using DNA microarray analysis	2010 <i>Japan Agric. Res. Quarterly</i> 44, 243-248
52	Review	Chiral capillary electrophoresis in food analysis	2010 Herrero, M.; Simó, C.; García-Cañas, V.; Cifuentes, A. <i>Electrophoresis</i> 31, 2106-2114
53	Review	Capillary electrophoresis for the analysis of contaminants in emerging food safety issues and food traceability	2010 Vallejo-Cordoba, B.; Gonzalez-Cordova, A.F. <i>Electrophoresis</i> 31, 2154-2164

54	Review	A review on applications of chemiluminescence detection in food analysis	2010	Liu, M.; Lin, Z.; Lin, J.M. <i>Anal. Chim. Acta</i> 670, 1-10
55	Review	Analysis of soy isoflavones in foods and biological fluids: an overview	2010	Hsu, B.Y.; Inbaraj, B.S.; Chen B.H., <i>J. Food Drug Anal.</i> 18, 141-154
56	Review	Ensuring food safety around the Globe: the many roles of risk analysis from risk ranking to microbial risk assessment	2010	Hoffmann, S. <i>Risk Anal.</i> 30, 711-714
57	Review	Microbial risk analysis of foods	2010	Coleman, P. <i>Risk Anal.</i> 30, 866-871
58	Review	Analysis of bisphenol A in canned food: a mini review	2010	Taskeen, A.; Naeem, I. <i>Asian J. Chem.</i> 22, 4133-4135
59	Review	Review: Highlights in recent applications of electronic tongues in food analysis	2010	Escuder-Gilabert, L.; Peris, Miguel. <i>Anal. Chim. Acta</i> , 665, 15-25
60	Review	Metal oxide sensors for electronic noses and their application to food analysis	2010	Berna, A. <i>Sensors</i> 10, 3882-3910
61	Review	Glucosinolates, structures and analysis in food	2010	Clarke, D.B. <i>Anal Methods</i> 2, 310-325
62	Review	Effect of food processing on plant DNA degradation and PCR-based GMO analysis: a review	2010	Gryson, N. <i>Anal. Bioanal. Chem.</i> 396, 2003-2022
63	Review	Transcriptome analysis in benefit-risk assessment of micronutrients and bioactive food components	2010	Keijer, J.; van Helden, Y.G. J.; Bunschoten, A. <i>Mol. Nutr. Food Res.</i> 54, 240-248
64	Review	Wavelet analysis of signals in agriculture and food quality inspection	2010	Singh, C.B.; Choudhary, R.; Jayas D.S.; Paliwal, J. <i>Food Bioprocess Technol.</i> 3, 2-12
65	Review	Immunoaffinity column clean-up techniques in food analysis: A review	2010	Senyuva, H.Z.; Gilbert, J. <i>J. Chromatogr. B</i> , 878, 115-132
66	Book chapter	Biosensors for functional food safety and analysis	2010	Lavecchia, T.; Tibuzzi, A.; Giardi. M.T. in: Bio-Farms for nutraceuticals: functional food and safety control by biosensors. M.T. Giardi, G. Rea, B. Berra (eds), Landes Biosciences.
67	Review	Effects of food processing on pesticide residues in fruits and vegetables: a meta-analysis approach	2010	Keikotlhaile, B.M.; Spanoghe, P.; Steurbaut, W. <i>Food Chem. Toxicol.</i> 48, 1-6
68	Review	Analysis of genetically modified food using high-performance separation methods	2010	Trojanowicz, M.; Latoszek, A.; Pobozny, Ewa. <i>Anal. Letters</i> 43, 1653-1679
69	Review	Recent advances in the application of capillary electromigration methods for food analysis and Foodomics	2010	Herrero, M.; Garcia-Cañas, V.; Simo, C.; Cifuentes, A. <i>Electrophoresis</i> 31, 205-228
70	Review	Analysis of food taints and off-flavours: a review	2010	Ridgway, K.; Lalljie, S.P.D.; Smith, R.M. <i>Food Addit. Contaminants</i> 27, 146-168
71	Review	Polycyclic aromatic hydrocarbons in food and beverages. Analytical methods and trends	2010	Plaza-Bolanos, P.; Garrido Frenich, A.; Martinez Vidal, J.L. <i>J. Chromatogr. A</i> 1217, 6303-6326
72	Review	Analyzing cranberry bioactive compounds	2010	Cote, J.; Caillet, S.; Doyon, G.; Sylvain, J.F.; Lacroix, M. <i>Crit. Rev. Food Sci. Nutr.</i> 50, 872-888

73	Review	Chemical sensors and their systems	2010	Vlasov, Y.G.; Ermolenko, YE.; Legin A.V.; Rudnitskaya, A.M., Kolodnikov, V.V. <i>J. Anal. Chem.</i> 65, 880-898
74	Review	Advances in detection of genetically engineered crops by multiplex polymerase chain reaction methods	2010	Shrestha, H.K.; Hwu, K.K.; Chang, M.C. <i>Trends Food Sci. Technol.</i> 21, 442-454
75	Review	CE and CEC of nucleosides and nucleotides in food materials	2010	Chen, X.J.; Yang, F.Q.; Wang, Y.T.; Li, S.P. <i>Electrophoresis</i> 31, 2092-2105
76	Review	Sample preparation methods for the determination of pesticides in foods using CE-UV/MS	2010	Kumar, A.; Malik, A.K.; Pico, Y. <i>Electrophoresis</i> 31, 2115-2125
77	Review	Recent developments in CE-based detection methods for food-borne pathogens	2010	Shin, G.W.; Hwang, H.S.; Chung, B.; Jung, G.Y. <i>Electrophoresis</i> 31, 2137-2153
78	Review	Liquid chromatography-mass spectrometry in food safety	2010	Malik, A.K.; Blasco, C.; Pico, Y. <i>J. Chromatogr. A</i> 1217, 4018-4040
79	Review	Determination of amino acids in grape-derived products: A review	2010	Callejon, R.M.; Troncoso, A.M.; Morales, M.L. <i>Talanta</i> 81, 1143-1152
80	Review	Advances and analytical applications in chemiluminescence coupled to capillary electrophoresis	2010	Lara, F.J.; Garcia-Campana, A.M.; Ibanez Velasco, A. <i>Electrophoresis</i> 31, 1998-2027
81	Review	Determination of mycotoxins in foods: current state of analytical methods and limitations	2010	Koeppen, R.; Koch, M.; Siegel, D.; Merkel, S.; Maul, R.; Nehls, I. <i>Appl. Microbiol. Biotechnol.</i> 86, 1595-1612
82	Review	Chiral CE-MS	2010	Simo, C.; Garcia-Canas, V.; Cifuentes, A. <i>Electrophoresis</i> 31, 1442-1456
83	Review	A review of analytical techniques for determination of Sudan I-IV dyes in food matrixes	2010	Rebane, R.; Leito, I.; Yurchenko, S.; Herodes, K. <i>J. Chromatogr. A</i> 1217, 2747-2757
84	Review	Application of ultrasound-assisted extraction to the determination of contaminants in food and soil samples	2010	Tadeo, J.L.; Sanchez-Brunete, C.; Albero, B.; Garcia-Valcarcel, A. <i>J. Chromatogr. A</i> 1217, 2415-2440
85	Review	Thin-layer chromatographic analysis of carotenoids in plant and animal samples	2010	Zeb, A.; Murkovic, M. <i>J. Planar Chromatogr.</i> 23, 94-103
86	Review	Secondary structure of food proteins by Fourier transform spectroscopy in the mid-infrared region	2010	Carbonaro, M.; Nucara, A. <i>Amino Acids</i> 38, 679-690
87	Review	An overview of foodborne pathogen detection: In the perspective of biosensors	2010	Velusamy, V.; Arshak, K.; Korostynska, O.; Oliwa, K.; Adley, C. <i>Biotechnol. Advances</i> 28, 232-254
88	Review	The determination of N-nitrosamines in food	2010	Crews, C. <i>Quality Assurance Safety Crops Food</i> 2, 2-12
89	Review	Determination of As, Cd, Cu, Hg and Pb in biological samples by modern electrothermal atomic absorption spectrometry	2010	Sardans, J.; Montes, F.; Penuelas, J. <i>Spectrochim. Acta</i> 65, 97-112
90	Review	Recent trends in the advanced analysis of bioactive fatty acids	2010	Ruiz-Rodriguez, A.; Reglero, G.; Ibañez, E. <i>J. Pharm. Biomed. Anal.</i>

91	Review	MALDI-TOF MS analysis of plant proanthocyanidins	2010	51, 305-326 Monagas, M.; Quintanilla-Lopez, J.; Gomez-Cordoves, C.; Bartolome, B.; Lebron-Aguilar, R. <i>J. Pharm. Biomed. Anal.</i> 51, 358-372
92	Special Issue	Natural bioactive compounds and nutrigenomics	2010	B. Chankvetadze, A. Cifuentes. <i>J. Pharm. Biomed. Anal.</i> 51, 289-496
93	Special Issue	Food and beverages analysis	2010	A. Cifuentes, <i>Electrophoresis</i> 31, 2091-2296
94	Review	A review of chromatographic methods for determination of synthetic food dyes	2010	Kucharska, M.; Grabka, J. <i>Talanta</i> 80, 1045-1051
95	Review	Identification of transgenic foods using NIR spectroscopy: A review	2010	Alishahi, A.; Farahmand, H.; Prieto, N.; Cozzolino, D. <i>Spectromchim. Acta</i> 75, 1-7
96	Book chapter	Time-domain NMR applied to food products	2010	van Duynhoven, J.; Voda, A.; Witek, M.; Van As, H. In: Annual reports on NMR spectroscopy, G.A. Webb (ed), Volume 69, 145-197
97	Review	Sterigmatocystin: Occurrence in foodstuffs and analytical methods - An overview	2010	Versilovskis, A.; De Saeger, S. <i>Mol Nutr. Food Res.</i> 54, 136-147
98	Review	Characterization of plant food allergens: An overview on physicochemical and immunological techniques	2010	Harrer, A.; Egger, M.; Gadermaier, G.; Erler, A.; Hauser, M.; Ferreira, F.; Himly, M. <i>Mol. Nutr. Food Res.</i> 54, 93-112
99	Review	The application of near infrared spectroscopy to the measurement of bioactive compounds in food commodities	2010	McGoverin, C.M.; Weeranantanaphan, J.; Downey, G.; Manley, M. <i>J. Near Infrared Spectroscopy</i> 18, 87-111
100	Review	Analysis of nonextractable phenolic compounds in foods: the current state of the art	2011	Perez-Jimenez, J.; Torres, J. <i>J. Agric. Food Chem.</i> 59, 12713-12724
101	Review	Rapid analyses of oil and fat content in agri-food products using continuous wave free precession time domain NMR	2011	Colnago, L.A.; Azeredo, R.B.V.; Marchi, N.A.; Andrade, F.D.; Venancio, T. <i>Magnetic Res. Chem.</i> 49, S113-S120
102	Review	Analysis of flavonoids in foods and biological samples	2011	Gonzalez-Paramas, A.M.; Santos-Buelga, C.; Duenas, M.; Gonzalez-Manzano, S. <i>Mini Rev. Med. Chem.</i> 11, 1239-1255.
103	Review	Nanomaterials based biosensors for food analysis applications	2011	Perez-Lopez, B.; Merkoci, A. <i>Trends Food Sci. Technol.</i> 22, 625-639
104	Review	A systematic review and meta-analysis of the effects of pasteurization on milk vitamins, and evidence for raw milk consumption and other health-related outcomes	2011	McDonald, L.E.; Brett, J.; Kelton, D. Majowicz, S.E., Snedeker, K.; Sargeant, J.M. <i>J. Food Prot.</i> 74, 1814-1832
105	Review	The pivotal role of mass spectrometry in determining the presence of chemical contaminants in food raw materials	2011	Rayane, M.; Guy, P.A. <i>Mass Spectrom. Rev.</i> 30, 1073-1095
106	Review	Tools for the performance assessment and improvement of food safety management systems	2011	Jacxsens L.; Luning P.A.; Marcelis W.; van Boekel, T.; Oses, S.; Kousta, M.; Drosinos, E.; Jasson, V.; Uyttendaele, M. <i>Trends Food Sci. Technol.</i> 22, S80-S89
107	Review	Molecular approaches to analysing the microbial composition of raw milk and raw milk cheese	2011	Quigley, L.; O'Sullivan, O.; Beresford, T.P.; Ross, R.P.; Fitzgerald, G.F.; Cotter, P.D. <i>Int. J. Food Microbiol.</i> 150, 81-94
108	Review	New trends in quantification of acrylamide in food products	2011	Oracz, J.; Nebesny, E.; Zyzelewicz, D. <i>Talanta</i> 86, 23-34

109	Review	Nutritional biomarkers and foodomic methodologies for qualitative and quantitative analysis of bioactive ingredients in dietary intervention studies	2011	Puiggros, F.; Sola, R.; Blade, C.; Salvado, M.J.; Arola, L. J. <i>Chromatogr. A</i> 1218, 7399-7414
110	Review	Liquid phase microextraction applications in food analysis	2011	Asensio-Ramos, M.; Ravelo-Perez, L.M.; Gonzalez-Curbelo, M.A.; Hernandez-Borges, J. J. <i>Chromatogr. A</i> 1218, 7415-7437
111	Review	Hydrophilic interaction liquid chromatography in food analysis	2011	Bernal, J.; Ares, A.M.; Pol, J.; Wiedmer, S.K. <i>J. Chromatogr. A</i> 1218, 7438-7452
112	Review	Advanced development in analysis of phytochemicals from medicine and food dual purposes plants used in China	2011	Zhao, J.; Lv, G.P.; Chen, Y.W.; Li, S.P. <i>J. Chromatogr. A</i> 1218, 7453-7475
113	Review	Determination of steroid hormones in biological and environmental samples using green microextraction techniques: An overview	2011	Aufartova, J.; Mahugo-Santana, C.; Sosa-Ferrera, Z.; et al., <i>Anal. Chim. Acta</i> 704, 33-46
114	Review	Use of proteomic methodology in optimization of processing and quality control of food of animal origin	2011	Gasó-Sokac, D.; Kovac, S.; Josic, D. <i>Food Technol. Biotechnol.</i> 49, 397-412
115	Review	Animal species identification in food products: Evolution of biomolecular methods	2011	Bottero, M.T.; Dalmasso, A. <i>Veterinary J.</i> 190, 34-38
116	Review	Application of hydrophilic interaction chromatography for the analysis of polar contaminants in food and environmental samples	2011	van Nuijs, A.L.N.; Tarcomnicu, I.; Covaci, A. <i>J. Chromatogr. A</i> 1218, 5964-5974
117	Review	Developments in the application of green chemistry principles to food analysis capillary electrophoresis for the analysis of ingredients in food products	2011	Koel, M.; Borissova, M.; Vaher, M.; Kaljurand, M. <i>Agro Food Ind. Hi-Tech.</i> 22, 27-29
118	Review	Contaminants in our food? How to detect untargeted compounds and determine their identity	2011	Zweigenbaum, J. <i>Agro Food Ind. Hi-Tech.</i> 22, 4-6
119	Review	An overview of the use of monoliths in sample preparation and analysis of milk	2011	Samanidou, V.F.; Karageorgou, E.G., <i>J. Sep. Sci.</i> 34, 2013-2025
120	Review	Current mass spectrometry strategies for the analysis of pesticides and their metabolites in food and water matrices	2011	Botitsi, H.V.; Garbis, S.D.; Economou, A.; Tsipi, D.F. <i>Mass Spectrom. Rev.</i> 30, 907-939
121	Review	Extraction and analysis of polyphenols: Recent trends	2011	Ajila, C.M.; Brar, S.K.; Verma, M.; Tyagi, R.D.; Godbout, S.; Valero, J.R. <i>Crit. Rev. Biotechnol.</i> 31, 227-249
122	Review	Recent trends in application of multivariate curve resolution approaches for improving gas chromatography-mass spectrometry analysis of essential oils	2011	Jalali-Heravi, M.; Parastar, H. <i>Talanta</i> 85, 835-849
123	Review	Advances in DNA-based techniques for the detection of seafood species substitution on the commercial market	2011	Hellberg, R.S.; Morrisey, M.T. <i>J. Lab. Autom.</i> 16, 308-321
124	Review	Application of the TTC concept to unknown substances found	2011	Koster, S.; Boobis, A.R.; Cubberley, R.; Hollnagel, H.M.; Richling, E.;

		in analysis of foods		
125	Review	Advances in DNA microarray technology for the detection of foodborne pathogens	2011	Wildemann, T.; Wurtzen G.; Galli, C.L. <i>Food Chem. Toxicol.</i> 49, 1643-1660
126	Review	Recent advances in quantitative PCR (qPCR) applications in food microbiology	2011	Severgnini, M.; Cremonesi, P.; Consolandi, C. de Bellis, G.; Castiglioni, B. <i>Food Bioprocess Technol.</i> 4, 936-953
127	Review	Review: analysis of dioxins and dioxin-like PCBs in food	2011	Postollec, F.; Falentin, H.; Pavan, S. Combrisson, J.; Sohier, D. <i>Food Microbiol.</i> 28, 848-861
128	Review	Microfluidic analytical systems for food analysis	2011	Bruns-Weller, E. <i>Archiv. Lebens.</i> 62, 116-122
129	Review	Problems on LC-MS/MS analysis to ensure food safety	2011	Atalay, Y.T.; Vermeir, S.; Witters, D., Vergauwe, N.; Verbrugge, B.; Verboven, P.; Nicolai, B.M.; Lammertyn, J. <i>Trends Food Sci. Technol.</i> 22, 386-404
130	Review	Overview on liquid chromatographic analysis of tetracycline residues in food matrices	2011	Mochizuki, N., <i>J. Pharm. Soc. Japan</i> 131, 1019-1025
131	Review	Advanced analysis of nutraceuticals	2011	Onal, A. <i>Food Chem.</i> 127, 197-203
132	Review	Modelling and analysis of complex food systems: State of the art and new trends	2011	Bernal, J.; Mendiola, J.A.; Ibanez, E.; Cifuentes, A. <i>J. Pharm. Biomed. Anal.</i> 55, 758-774
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