

Jana Hajslova

List of Publications by Year in Descending Order

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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.

285
papers

11,017
citations

61
h-index

90
g-index

304
ext. papers

12,436
ext. citations

5.3
avg, IF

6.47
L-index

#	Paper	IF	Citations
285	Fungal Endophytes of Plant Growth Promoters or Potentially Toxinogenic Agents?. <i>Toxins</i> , 2022 , 14,	4.9	3
284	Free and conjugated Alternaria and Fusarium mycotoxins during Pilsner malt production and double-mash brewing. <i>Food Chemistry</i> , 2022 , 369, 130926	8.5	2
283	Are fish oil-based dietary supplements a significant source of exposure to chlorinated paraffins?. <i>Science of the Total Environment</i> , 2022 , 155137	10.2	1
282	Effect of temperature on the compositions of ladderane lipids in globally surveyed anammox populations.. <i>Science of the Total Environment</i> , 2022 , 154715	10.2	1
281	Production of New Microbially Conjugated Bile Acids by Human Gut Microbiota. <i>Biomolecules</i> , 2022 , 12, 687	5.9	1
280	Bacterial Endophytes from <i>Vitis vinifera</i> L. - Metabolomics Characterization of Plant-Endophyte Crosstalk. <i>Chemistry and Biodiversity</i> , 2021 , 18, e2100516	2.5	0
279	Metabolic fingerprinting strategy: Investigation of markers for the detection of extra virgin olive oil adulteration with soft-deodorized olive oils. <i>Food Control</i> , 2021 , 108649	6.2	1
278	Gentle Sterilization of Carrot-Based Purees by High-Pressure Thermal Sterilization and Ohmic Heating and Influence on Food Processing Contaminants and Quality Attributes. <i>Frontiers in Nutrition</i> , 2021 , 8, 643837	6.2	2
277	Effect of Agroecological Conditions on Biologically Active Compounds and Metabolome in Carrot. <i>Cells</i> , 2021 , 10,	7.9	2
276	ASSURED Point-of-Need Food Safety Screening: A Critical Assessment of Portable Food Analyzers. <i>Foods</i> , 2021 , 10,	4.9	9
275	Lipidomic Analysis to Assess Oxidative Stress in Acute Coronary Syndrome and Acute Stroke Patients. <i>Metabolites</i> , 2021 , 11,	5.6	3
274	Influence of dough composition on the formation of processing contaminants in yeast-leavened wheat toasted bread. <i>Food Chemistry</i> , 2021 , 338, 127715	8.5	2
273	A microfluidic paper-based analytical device (PAD) with smartphone readout for chlorpyrifos-oxon screening in human serum. <i>Talanta</i> , 2021 , 222, 121535	6.2	12
272	Ambient mass spectrometry as a tool to determine poultry production system history: A comparison of rapid evaporative ionisation mass spectrometry (REIMS) and direct analysis in real time (DART) ambient mass spectrometry platforms. <i>Food Control</i> , 2021 , 123, 107740	6.2	7
271	Optical Screening Methods for Pesticide Residue Detection in Food Matrices: Advances and Emerging Analytical Trends. <i>Foods</i> , 2021 , 10,	4.9	11
270	Feed Composition Differences Resulting from Organic and Conventional Farming Practices Affect Physiological Parameters in Wistar Rats-Results from a Factorial, Two-Generation Dietary Intervention Trial. <i>Nutrients</i> , 2021 , 13,	6.7	3
269	Decontamination of herbs and spices by gamma irradiation and low-energy electron beam treatments and influence on product characteristics upon storage. <i>Journal of Radiation Research and Applied Sciences</i> , 2021 , 14, 380-395	1.5	4

268	Pesticide Residues and Their Metabolites in Grapes and Wines from Conventional and Organic Farming System. <i>Foods</i> , 2021 , 10,	4.9	13
267	Microsatellite fingerprinting and metabolite profiling for the geographical authentication of commercial green teas. <i>Journal of Food Composition and Analysis</i> , 2021 , 101, 103981	4.1	1
266	Application of the GC-HRMS based method for monitoring of short- and medium-chain chlorinated paraffins in vegetable oils and fish. <i>Food Chemistry</i> , 2021 , 355, 129640	8.5	3
265	Metabolomic fingerprinting as a tool for authentication of grapevine (<i>Vitis vinifera</i> L.) biomass used in food production. <i>Food Chemistry</i> , 2021 , 361, 130166	8.5	3
264	Interlaboratory comparison investigations (ICIs) and external quality assurance schemes (EQUASs) for flame retardant analysis in biological matrices: Results from the HBM4EU project. <i>Environmental Research</i> , 2021 , 202, 111705	7.9	4
263	Changes in Volatile Compound Profiles in Cold-Pressed Oils Obtained from Various Seeds during Accelerated Storage. <i>Molecules</i> , 2021 , 26,	4.8	10
262	Analysis of Selected Water Quality Indicators from Runoff during Potato Cultivation after Natural Precipitation. <i>Agriculture (Switzerland)</i> , 2021 , 11, 1220	3	2
261	Assessment of pesticide residues in citrus fruit on the Czech market. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2021 , 1-9	3.2	1
260	Variability in S-Alk(en)yl-L-Cysteine Sulfoxides in Garlic within a Seven-Month Period Determined by a Liquid Chromatography - Tandem Mass Spectrometry Method. <i>Plant Foods for Human Nutrition</i> , 2020 , 75, 376-382	3.9	3
259	Lemon Grass Essential Oil Does not Modulate Cancer Cells Multidrug Resistance by Citral-Its Dominant and Strongly Antimicrobial Compound. <i>Foods</i> , 2020 , 9,	4.9	15
258	Influence of Harvest Date and Postharvest Treatment on Carotenoid and Flavonoid Composition in French Marigold Flowers. <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 7880-7889	5.7	3
257	Evaluation of Pesticide Residue Dynamics in Lettuce, Onion, Leek, Carrot and Parsley. <i>Foods</i> , 2020 , 9,	4.9	6
256	In Silico and In Vitro Studies of Mycotoxins and Their Cocktails; Their Toxicity and Its Mitigation by Silibinin Pre-Treatment. <i>Toxins</i> , 2020 , 12,	4.9	19
255	Screening of Carbamate and Organophosphate Pesticides in Food Matrices Using an Affordable and Simple Spectrophotometric Acetylcholinesterase Assay. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 565	2.6	18
254	Liquid chromatography-drift tube ion mobility-mass spectrometry as a new challenging tool for the separation and characterization of silymarin flavonolignans. <i>Analytical and Bioanalytical Chemistry</i> , 2020 , 412, 819-832	4.4	8
253	Oral Microcystin-LR Does Not Cause Hepatotoxicity in Pigs: Is the Risk of Microcystin-LR Overestimated?. <i>Exposure and Health</i> , 2020 , 12, 775-792	8.8	2
252	Estimation of human exposure to polycyclic aromatic hydrocarbons (PAHs) based on the dietary and outdoor atmospheric monitoring in the Czech Republic. <i>Environmental Research</i> , 2020 , 182, 108977	7.9	20
251	Authentication of Meat and Meat Products Using Triacylglycerols Profiling and by DNA Analysis. <i>Foods</i> , 2020 , 9,	4.9	3

250	A Non-Targeted High-Resolution Mass Spectrometry Study for Extra Virgin Olive Oil Adulteration with Soft Refined Oils: Preliminary Findings from Two Different Laboratories. <i>ACS Omega</i> , 2020 , 5, 24169-24178	3.9	8
249	Phytochemical Composition and In Vitro Biological Activity of spp. (Iridaceae): A New Source of Bioactive Constituents for the Inhibition of Oral Bacterial Biofilms. <i>Antibiotics</i> , 2020 , 9,	4.9	10
248	Effect of high-pressure thermal sterilization (HPTS) on the reduction of food processing contaminants (e.g., furan, acrylamide, 3-MCPD-esters, HMF) 2020 , 139-172		1
247	The β Polyunsaturated Fatty Acids and Oxidative Stress in Long-Term Parenteral Nutrition Dependent Adult Patients: Functional Lipidomics Approach. <i>Nutrients</i> , 2020 , 12,	6.7	2
246	Development of a new LC-MS method for accurate and sensitive determination of 33 pyrrolizidine and 21 tropane alkaloids in plant-based food matrices. <i>Analytical and Bioanalytical Chemistry</i> , 2020 , 412, 7155-7167	4.4	10
245	Towards a dietary-exposome assessment of chemicals in food: An update on the chronic health risks for the European consumer. <i>Critical Reviews in Food Science and Nutrition</i> , 2020 , 60, 1890-1911	11.5	22
244	Microbiome and Metabolome Profiles Associated With Different Types of Short Bowel Syndrome: Implications for Treatment. <i>Journal of Parenteral and Enteral Nutrition</i> , 2020 , 44, 105-118	4.2	9
243	Worldwide contamination of food-crops with mycotoxins: Validity of the widely cited 'FAO estimate' of 25. <i>Critical Reviews in Food Science and Nutrition</i> , 2020 , 60, 2773-2789	11.5	269
242	Comparison of polycyclic aromatic hydrocarbon metabolite concentrations in urine of mothers and their newborns. <i>Science of the Total Environment</i> , 2020 , 723, 138116	10.2	12
241	Can Occurrence of Pesticide Metabolites Detected in Crops Provide the Evidence on Illegal Practices in Organic Farming?. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 6102-6115	5.7	7
240	Urinary metabolites of phthalates and di-iso-nonyl cyclohexane-1,2-dicarboxylate (DINCH)-Czech mothers' and newborns' exposure biomarkers. <i>Environmental Research</i> , 2019 , 173, 342-348	7.9	10
239	Integration of five groups of POPs into one multi-analyte method for human blood serum analysis: An innovative approach within biomonitoring studies. <i>Science of the Total Environment</i> , 2019 , 667, 701-709	10.2	13
238	Is the long-term application of sewage sludge turning soil into a sink for organic pollutants?: evidence from field studies in the Czech Republic. <i>Journal of Soils and Sediments</i> , 2019 , 19, 2445-2458	3.4	8
237	Green tea: Authentication of geographic origin based on UHPLC-HRMS fingerprints. <i>Journal of Food Composition and Analysis</i> , 2019 , 78, 121-128	4.1	15
236	Effect of resveratrol and Regrapex-R-forte on <i>Trichosporon cutaneum</i> biofilm. <i>Folia Microbiologica</i> , 2019 , 64, 73-81	2.8	4
235	Multiclass analysis of antimicrobial drugs in shrimp muscle by ultra high performance liquid chromatography-tandem mass spectrometry. <i>Journal of Food and Drug Analysis</i> , 2019 , 27, 118-134	7	6
234	Poor chemical and microbiological quality of the commercial milk thistle-based dietary supplements may account for their reported unsatisfactory and non-reproducible clinical outcomes. <i>Scientific Reports</i> , 2019 , 9, 11118	4.9	27
233	Complex Evaluation of Antioxidant Capacity of Milk Thistle Dietary Supplements. <i>Antioxidants</i> , 2019 , 8,	7.1	13

232	Waste products from the poultry industry: a source of high-value dietary supplements. <i>Journal of Chemical Technology and Biotechnology</i> , 2019 , 95, 985	3.5	3
231	Extensive literature search and selection for relevance of studies related to the chemistry and toxicity of glycoalkaloids and quinolizidine alkaloids in food and feed [Final Report. <i>EFSA Supporting Publications</i> , 2019 , 16, 1348E	1.1	2
230	A systematic review of consumer perceptions of food fraud and authenticity: A European perspective. <i>Trends in Food Science and Technology</i> , 2019 , 94, 79-90	15.3	40
229	<i>Fusarium culmorum</i> Tri genes and barley Hvugt13248 gene transcription in infected barley cultivars. <i>Plant Protection Science</i> , 2019 , 55, 172-180	1.1	1
228	Metabolomics-based authentication of wines according to grape variety. <i>Czech Journal of Food Sciences</i> , 2019 , 37, 239-245	1.3	4
227	Authentication of meat species and net muscle proteins: updating of an old concept. <i>Czech Journal of Food Sciences</i> , 2019 , 37, 205-211	1.3	5
226	A Hybrid Lab-on-a-Chip Injector System for Autonomous Carbofuran Screening. <i>Sensors</i> , 2019 , 19,	3.8	12
225	Quantitation of Cannabinoids in Dried Plant Materials, Concentrates, and Oils Using Liquid Chromatography-Diode Array Detection Technique with Optional Mass Spectrometric Detection: Single-Laboratory Validation Study, First Action 2018.11. <i>Journal of AOAC INTERNATIONAL</i> , 2019 , 102, 1822-1833	1.7	12
224	The effect of ω polyunsaturated fatty acids on the liver lipidome, proteome and bile acid profile: parenteral versus enteral administration. <i>Scientific Reports</i> , 2019 , 9, 19097	4.9	8
223	Mycotoxin co-exposures in infants and young children consuming household- and industrially-processed complementary foods in Nigeria and risk management advice. <i>Food Control</i> , 2019 , 98, 312-322	6.2	38
222	Analysis of phosphodiesterase type 5 inhibitors as possible adulterants of botanical-based dietary supplements: extensive survey of preparations available at the Czech market. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019 , 164, 713-724	3.5	12
221	Cranberries versus lingonberries: A challenging authentication of similar <i>Vaccinium</i> fruit. <i>Food Chemistry</i> , 2019 , 284, 162-170	8.5	21
220	Ambient mass spectrometry based on REIMS for the rapid detection of adulteration of minced meats by the use of a range of additives. <i>Food Control</i> , 2019 , 104, 50-56	6.2	25
219	Food fraud in oregano: Pesticide residues as adulteration markers. <i>Food Chemistry</i> , 2019 , 276, 726-734	8.5	23
218	High-Throughput Sequence Analyses of Bacterial Communities and Multi-Mycotoxin Profiling During Processing of Different Formulations of , a Traditional Fermented Beverage. <i>Frontiers in Microbiology</i> , 2018 , 9, 3282	5.7	25
217	Advanced LC-MS-based methods to study the co-occurrence and metabolism of multiple mycotoxins in cereals and cereal-based food. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 801-825	4.4	75
216	Authenticity assessment of garlic using a metabolomic approach based on high resolution mass spectrometry. <i>Journal of Food Composition and Analysis</i> , 2018 , 67, 19-28	4.1	36
215	High resolution-ion mobility mass spectrometry as an additional powerful tool for structural characterization of mycotoxin metabolites. <i>Food Chemistry</i> , 2018 , 245, 768-774	8.5	18

214	Impact of vacuum frying on quality of potato crisps and frying oil. <i>Food Chemistry</i> , 2018 , 241, 51-59	8.5	52
213	Assessing the mycotoxicological risk from consumption of complementary foods by infants and young children in Nigeria. <i>Food and Chemical Toxicology</i> , 2018 , 121, 37-50	4.7	50
212	Untargeted metabolomics reveals links between Tiger nut (<i>Cyperus esculentus</i> L.) and its geographical origin by metabolome changes associated with membrane lipids. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2018 , 35, 605-613	3.2	7
211	A novel approach based on untargeted lipidomics reveals differences in the lipid pattern among durum and common wheat. <i>Food Chemistry</i> , 2018 , 240, 775-783	8.5	36
210	Determinants of prenatal exposure to perfluoroalkyl substances in the Slovak birth cohort. <i>Environment International</i> , 2018 , 121, 1304-1310	12.9	7
209	Assessing the combined toxicity of the natural toxins, aflatoxin B, fumonisin B and microcystin-LR by high content analysis. <i>Food and Chemical Toxicology</i> , 2018 , 121, 527-540	4.7	13
208	Storage-Induced Changes in Volatile Compounds in Argan Oils Obtained from Raw and Roasted Kernels. <i>JAOCs, Journal of the American Oil Chemists Society</i> , 2018 , 95, 1475-1485	1.8	8
207	Ascorbic Acid and Glucosinolate Levels in New Czech Cabbage Cultivars: Effect of Production System and Fungal Infection. <i>Molecules</i> , 2018 , 23,	4.8	7
206	A novel approach to assess the quality and authenticity of Scotch Whisky based on gas chromatography coupled to high resolution mass spectrometry. <i>Analytica Chimica Acta</i> , 2018 , 1042, 60-70	6.6	32
205	Variability in statin-induced changes in gene expression profiles of pancreatic cancer. <i>Scientific Reports</i> , 2017 , 7, 44219	4.9	23
204	Assessment of rosehips based on the content of their biologically active compounds. <i>Journal of Food and Drug Analysis</i> , 2017 , 25, 681-690	7	28
203	High resolution mass spectrometry based method applicable for a wide range of 3-hydroxy-3-methyl-glutaryl-coenzyme A reductase inhibitors in blood serum including intermediates and products of the cholesterol biosynthetic pathway. <i>Journal of Chromatography A</i> , 2017 , 1489, 81-91	4.5	3
202	Testing of polybutylene succinate based films for poultry meat packaging. <i>Polymer Testing</i> , 2017 , 60, 357-364	4.5	28
201	Rapid approach for the determination of alcoholic strength and overall quality check of various spirit drinks and wines using GCMS. <i>Food Control</i> , 2017 , 80, 307-313	6.2	29
200	Untargeted metabolomics based on ultra-high-performance liquid chromatography-high-resolution mass spectrometry merged with chemometrics: A new predictable tool for an early detection of mycotoxins. <i>Food Chemistry</i> , 2017 , 224, 423-431	8.5	36
199	Volatile compounds and other indicators of quality for cold-pressed rapeseed oils obtained from peeled, whole, flaked and roasted seeds. <i>European Journal of Lipid Science and Technology</i> , 2017 , 119, 1600328	3	8
198	Evaluation of pesticide residue dynamics in Chinese cabbage, head cabbage and cauliflower. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2017 , 34, 980-989	3.2	8
197	Bioprospecting of <i>Turbinaria</i> Macroalgae as a Potential Source of Health Protective Compounds. <i>Chemistry and Biodiversity</i> , 2017 , 14, e1600192	2.5	8

196	Occurrence and Health Risk of Patulin and Pyrethroids in Fruit Juices Consumed in Bangkok, Thailand. <i>Journal of Food Protection</i> , 2017 , 80, 1415-1421	2.5	4
195	Untargeted metabolomics of fresh and heat treatment Tiger nut (<i>Cyperus esculentus</i> L.) milks reveals further insight into food quality and nutrition. <i>Journal of Chromatography A</i> , 2017 , 1514, 80-87	4.5	15
194	Allium Discoloration: Color Compounds Formed during Greening of Processed Garlic. <i>Journal of Agricultural and Food Chemistry</i> , 2017 , 65, 10615-10620	5.7	12
193	Multiclass analytical method for the determination of natural/synthetic steroid hormones, phytoestrogens, and mycoestrogens in milk and yogurt. <i>Analytical and Bioanalytical Chemistry</i> , 2017 , 409, 4467-4477	4.4	14
192	Strategies to Document Adulteration of Food Supplement Based on Sea Buckthorn Oil: a Case Study. <i>Food Analytical Methods</i> , 2017 , 10, 1317-1327	3.4	7
191	Application of Crystallization with Additives to Cloudy and Clear Apple Juice. <i>Food Analytical Methods</i> , 2017 , 10, 247-255	3.4	4
190	Linking toxicity profiles to pollutants in sludge and sediments. <i>Journal of Hazardous Materials</i> , 2017 , 321, 672-680	12.8	26
189	Metabolomic Strategies Based on High-Resolution Mass Spectrometry as a Tool for Recognition of GMO (MON 89788 Variety) and Non-GMO Soybean: a Critical Assessment of Two Complementary Methods. <i>Food Analytical Methods</i> , 2017 , 10, 3723-3737	3.4	9
188	Fate of Free and Conjugated Mycotoxins within the Production of Distiller's Dried Grains with Solubles (DDGS). <i>Journal of Agricultural and Food Chemistry</i> , 2016 , 64, 5085-92	5.7	16
187	Analytical strategies for the early quality and safety assurance in the global feed chain. <i>TrAC - Trends in Analytical Chemistry</i> , 2016 , 76, 203-215	14.6	5
186	Bioprospecting of microalgae: Proper extraction followed by high performance liquid chromatographic-high resolution mass spectrometric fingerprinting as key tools for successful metabolom characterization. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016 , 1015-1016, 22-33	3.2	12
185	A novel strategy for the determination of polycyclic aromatic hydrocarbon monohydroxylated metabolites in urine using ultra-high-performance liquid chromatography with tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 2515-25	4.4	34
184	Saffron authentication based on liquid chromatography high resolution tandem mass spectrometry and multivariate data analysis. <i>Food Chemistry</i> , 2016 , 204, 201-209	8.5	74
183	Evaluation of 11 polycyclic aromatic hydrocarbon metabolites in urine of Czech mothers and newborns. <i>Science of the Total Environment</i> , 2016 , 577, 212-212	10.2	30
182	Impact of Air Pollution to Genome of Newborns. <i>Central European Journal of Public Health</i> , 2016 , 24 Suppl, S40-S44	1.2	5
181	Characterization and Discrimination of Ancient Grains: A Metabolomics Approach. <i>International Journal of Molecular Sciences</i> , 2016 , 17,	6.3	27
180	Impact of air pollution on oxidative DNA damage and lipid peroxidation in mothers and their newborns. <i>International Journal of Hygiene and Environmental Health</i> , 2016 , 219, 545-56	6.9	38
179	Transformation of raw feather waste into digestible peptides and amino acids. <i>Journal of Chemical Technology and Biotechnology</i> , 2016 , 91, 1629-1637	3.5	42

178	Occurrence of tropane alkaloids in food. <i>EFSA Supporting Publications</i> , 2016 , 13, 1140E	1.1	25
177	Relationship between atmospheric pollution in the residential area and concentrations of polycyclic aromatic hydrocarbons (PAHs) in human breast milk. <i>Science of the Total Environment</i> , 2016 , 562, 640-647	10.2	33
176	Oxidative stress in newborns by different modes of delivery. <i>Neuroendocrinology Letters</i> , 2016 , 37, 445-451	4.3	0
175	Mycotoxins in Plant-Based Dietary Supplements: Hidden Health Risk for Consumers. <i>Journal of Agricultural and Food Chemistry</i> , 2015 , 63, 6633-43	5.7	59
174	Dynamics of brominated flame retardants removal in contaminated wastewater sewage sludge under anaerobic conditions. <i>Science of the Total Environment</i> , 2015 , 533, 439-45	10.2	35
173	Aroma scalping characteristics of polybutylene succinate based films. <i>Polymer Testing</i> , 2015 , 46, 108-115	4.5	14
172	Determination of polycyclic aromatic hydrocarbons (PAHs) in seafood using gas chromatography-mass spectrometry: collaborative study. <i>Journal of AOAC INTERNATIONAL</i> , 2015 , 98, 477-505	1.7	13
171	Phospholipase D affects translocation of NPR1 to the nucleus in Arabidopsis thaliana. <i>Frontiers in Plant Science</i> , 2015 , 6, 59	6.2	17
170	Perfluoroalkyl substances (PFASs) and other halogenated compounds in fish from the upper Labe River basin. <i>Chemosphere</i> , 2015 , 129, 170-8	8.4	31
169	Advances in high-resolution mass spectrometry based on metabolomics studies for food--a review. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2015 , 32, 1685-708	3.2	95
168	Multi-analyte method for the analysis of various organohalogen compounds in house dust. <i>Analytica Chimica Acta</i> , 2015 , 854, 61-9	6.6	32
167	Aerobic biodegradation of selected polybrominated diphenyl ethers (PBDEs) in wastewater sewage sludge. <i>Chemosphere</i> , 2015 , 118, 315-21	8.4	61
166	Prediction of acrylamide formation in biscuits based on fingerprint data generated by ambient ionization mass spectrometry employing direct analysis in real time (DART) ion source. <i>Food Chemistry</i> , 2015 , 173, 290-7	8.5	28
165	Monitoring survey of patulin in a variety of fruit-based products using a sensitive UHPLC/MS/MS analytical procedure. <i>Food Control</i> , 2015 , 47, 577-584	6.2	43
164	Effect of Fusarium culmorum Tri Gene Transcription on Deoxynivalenol and D3G Levels in Two Different Barley Cultivars. <i>Journal of Phytopathology</i> , 2015 , 163, 593-603	1.8	4
163	Allium Discoloration: Color Compounds Formed during Pinking of Onion and Leek. <i>Journal of Agricultural and Food Chemistry</i> , 2015 , 63, 10192-9	5.7	8
162	Multi-analyte high performance liquid chromatography coupled to high resolution tandem mass spectrometry method for control of pesticide residues, mycotoxins, and pyrrolizidine alkaloids. <i>Analytica Chimica Acta</i> , 2015 , 863, 29-40	6.6	82
161	Occurrence of perfluorinated alkylated substances in cereals, salt, sweets and fruit items collected in four European countries. <i>Chemosphere</i> , 2015 , 129, 179-85	8.4	36

160	Authentication of milk and milk-based foods by direct analysis in real time ionization-high resolution mass spectrometry (DART-HRMS) technique: A critical assessment. <i>Food Control</i> , 2014 , 36, 138-145	6.2	90
159	Enzyme-linked immunosorbent assay in analysis of deoxynivalenol: investigation of the impact of sample matrix on results accuracy. <i>Analytical and Bioanalytical Chemistry</i> , 2014 , 406, 505-14	4.4	27
158	Acrylamide formation in traditional Czech leavened wheat-rye breads and wheat rolls. <i>Food Control</i> , 2014 , 38, 221-226	6.2	25
157	Rapid LC-MS-based metabolomics method to study the Fusarium infection of barley. <i>Journal of Separation Science</i> , 2014 , 37, 912-9	3.4	29
156	Analytical strategies for controlling polysorbate-based nanomicelles in fruit juice. <i>Analytical and Bioanalytical Chemistry</i> , 2014 , 406, 3909-18	4.4	11
155	Metabolic fingerprinting based on high-resolution tandem mass spectrometry: a reliable tool for wine authentication?. <i>Analytical and Bioanalytical Chemistry</i> , 2014 , 406, 6791-803	4.4	48
154	Production of apple-based baby food: changes in pesticide residues. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2014 , 31, 1089-99	3.2	8
153	Status quo and future research challenges on organic food quality determination with focus on laboratory methods. <i>Journal of the Science of Food and Agriculture</i> , 2014 , 94, 2595-9	4.3	7
152	A rugged high-throughput analytical approach for the determination and quantification of multiple mycotoxins in complex feed matrices. <i>Talanta</i> , 2014 , 121, 263-72	6.2	86
151	Brominated flame retardants and perfluoroalkyl substances in sediments from the Czech aquatic ecosystem. <i>Science of the Total Environment</i> , 2014 , 470-471, 407-16	10.2	19
150	Changes in isoflavones concentrations in cheese during processing and ripening. <i>Acta Universitatis Agriculturae Et Silviculturae Mendeliana Brunensis</i> , 2014 , 59, 153-162	0.5	7
149	Gas chromatography-triple quadrupole tandem mass spectrometry: a powerful tool for the (ultra)trace analysis of multiclass environmental contaminants in fish and fish feed. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 7803-15	4.4	54
148	Mass spectrometry-based metabolomic fingerprinting for screening cold tolerance in Arabidopsis thaliana accessions. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 2671-83	4.4	25
147	Perfluorinated alkylated substances in vegetables collected in four European countries; occurrence and human exposure estimations. <i>Environmental Science and Pollution Research</i> , 2013 , 20, 7930-9	5.1	62
146	Rapid monitoring of heat-accelerated reactions in vegetable oils using direct analysis in real time ionization coupled with high resolution mass spectrometry. <i>Food Chemistry</i> , 2013 , 138, 2312-20	8.5	47
145	The determination of perfluoroalkyl substances, brominated flame retardants and their metabolites in human breast milk and infant formula. <i>Talanta</i> , 2013 , 117, 318-25	6.2	75
144	Polycyclic aromatic hydrocarbons and halogenated persistent organic pollutants in canned fish and seafood products: smoked versus non-smoked products. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2013 , 30, 515-27	3.2	3
143	Application of direct analysis in real time ionization-mass spectrometry (DART-MS) in chicken meat metabolomics aiming at the retrospective control of feed fraud. <i>Metabolomics</i> , 2013 , 9, 545-557	4.7	59

142	Direct analysis in real time high-resolution mass spectrometry for high-throughput analysis of antiparasitic veterinary drugs in feed and food. <i>Rapid Communications in Mass Spectrometry</i> , 2013 , 27, 467-75	2.2	32
141	High throughput sample preparation in combination with gas chromatography coupled to triple quadrupole tandem mass spectrometry (GC-MS/MS): a smart procedure for (ultra)trace analysis of brominated flame retardants in fish. <i>Talanta</i> , 2013 , 105, 109-16	6.2	49
140	Evaluation of direct analysis in real time ionization-mass spectrometry (DART-MS) in fish metabolomics aimed to assess the response to dietary supplementation. <i>Talanta</i> , 2013 , 115, 263-70	6.2	38
139	Application of solid phase extraction and two-dimensional gas chromatography coupled with time-of-flight mass spectrometry for fast analysis of polycyclic aromatic hydrocarbons in vegetable oils. <i>Food Control</i> , 2013 , 33, 489-497	6.2	38
138	Rapid and simple method for determination of hexabromocyclododecanes and other LC-MS-MS-amenable brominated flame retardants in fish. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 7829-39	4.4	24
137	Occurrence of brominated flame retardants and perfluoroalkyl substances in fish from the Czech aquatic ecosystem. <i>Science of the Total Environment</i> , 2013 , 461-462, 88-98	10.2	38
136	'Emerging' mycotoxins in cereals processing chains: changes of enniatins during beer and bread making. <i>Food Chemistry</i> , 2013 , 136, 750-7	8.5	112
135	Glycoalkaloid and calystegine levels in table potato cultivars subjected to wounding, light, and heat treatments. <i>Journal of Agricultural and Food Chemistry</i> , 2013 , 61, 5893-902	5.7	47
134	<i>Acarus siro</i> and <i>Tyrophagus putrescentiae</i> (Acari: Acarididae) transfer of <i>Fusarium culmorum</i> into germinated barley increases mycotoxin deoxynivalenol content in barley under laboratory conditions. <i>International Journal of Acarology</i> , 2013 , 39, 235-238	0.6	4
133	Effect of crop protection and fertilization regimes used in organic and conventional production systems on feed composition and physiological parameters in rats. <i>Journal of Agricultural and Food Chemistry</i> , 2013 , 61, 1017-29	5.7	22
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124	Rapid determination of polycyclic aromatic hydrocarbons (PAHs) in tea using two-dimensional gas chromatography coupled with time of flight mass spectrometry. <i>Talanta</i> , 2012 , 100, 207-16	6.2	69
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