Rudolf Krska

List of Publications by Year
in descending order

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307 papers	17,187 citations	10389 72 h-index	20358 116 g-index
318 all docs	318 docs citations	318 times ranked	10339 citing authors

#	Article	IF	Citations
1	Worldwide contamination of food-crops with mycotoxins: Validity of the widely cited â€˜FAO estimateâ€™ of 25%. Critical Reviews in Food Science and Nutrition, 2020, 60, 2773-2789.	10.3	656
2	Development and validation of a liquid chromatography/tandem mass spectrometric method for the determination of 39 mycotoxins in wheat and maize. Rapid Communications in Mass Spectrometry, 2006, 20, 2649-2659.	1.5	615
3	Detoxification of the Fusarium Mycotoxin Deoxynivalenol by a UDP-glucosyltransferase from Arabidopsis thaliana. Journal of Biological Chemistry, 2003, 278, 47905-47914.	3.4	472
4	A liquid chromatography/tandem mass spectrometric multi-mycotoxin method for the quantification of 87 analytes and its application to semi-quantitative screening of moldy food samples. Analytical and Bioanalytical Chemistry, 2007, 389, 1505-1523.	3.7	376
5	Optimization and validation of a quantitative liquid chromatographyâ€“tandem mass spectrometric method covering 295 bacterial and fungal metabolites including all regulated mycotoxins in four model food matrices. Journal of Chromatography A, 2014, 1362, 145-156.	3.7	373
6	The Ability to Detoxify the Mycotoxin Deoxynivalenol Colocalizes With a Major Quantitative Trait Locus for Fusarium Head Blight Resistance in Wheat. Molecular Plant-Microbe Interactions, 2005, 18, 1318-1324.	2.6	362
7	Masked Mycotoxins:Â Determination of a Deoxynivalenol Glucoside in Artificially and Naturally Contaminated Wheat by Liquid Chromatographyâˆ’Tandem Mass Spectrometry. Journal of Agricultural and Food Chemistry, 2005, 53, 3421-3425.	5.2	346
8	Mycotoxin analysis: An update. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2008, 25, 152-163.	2.3	285
9	Multi-Mycotoxin Screening Reveals the Occurrence of 139 Different Secondary Metabolites in Feed and Feed Ingredients. Toxins, 2013, 5, 504-523.	3.4	260
10	Rapid simultaneous determination of major type A- and B-trichothecenes as well as zearalenone in maize by high performance liquid chromatographyâ€“tandem mass spectrometry. Journal of Chromatography A, 2005, 1062, 209-216.	3.7	254
11	Identification and profiling of volatile metabolites of the biocontrol fungus Trichoderma atroviride by HS-SPME-GC-MS. Journal of Microbiological Methods, 2010, 81, 187-193.	1.6	236
12	Hydrolytic fate of deoxynivalenol-3-glucoside during digestion. Toxicology Letters, 2011, 206, 264-267.	0.8	216
13	Quantitation of Mycotoxins in Food and Feed from Burkina Faso and Mozambique Using a Modern LC-MS/MS Multitoxin Method. Journal of Agricultural and Food Chemistry, 2012, 60, 9352-9363.	5.2	204
14	Formation, determination and significance of masked and other conjugated mycotoxins. Analytical and Bioanalytical Chemistry, 2009, 395, 1243-1252.	3.7	192
15	Application of an LCâ€“MS/MS based multi-mycotoxin method for the semi-quantitative determination of mycotoxins occurring in different types of food infected by moulds. Food Chemistry, 2010, 119, 408-416.	8.2	189
16	Determination of multi-mycotoxin occurrence in cereals, nuts and their products in Cameroon by liquid chromatography tandem mass spectrometry (LC-MS/MS). Food Control, 2013, 31, 438-453.	5.5	170
17	New insights into the human metabolism of the Fusarium mycotoxins deoxynivalenol and zearalenone. Toxicology Letters, 2013, 220, 88-94.	0.8	165
18	Occurrence of deoxynivalenol and its 3-<i>Î²</i>-D-glucoside in wheat and maize. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2009, 26, 507-511.	2.3	163

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19	Validation of an LC-MS/MS-based dilute-and-shoot approach for the quantification of >â€‰500 mycotoxins and other secondary metabolites in food crops: challenges and solutions. Analytical and Bioanalytical Chemistry, 2020, 412, 2607-2620.	3.7	160
20	Simultaneous determination of 186 fungal and bacterial metabolites in indoor matrices by liquid chromatography/tandem mass spectrometry. Analytical and Bioanalytical Chemistry, 2009, 395, 1355-1372.	3.7	159
21	The G protein Î± subunit Tga1 of Trichoderma atroviride is involved in chitinase formation and differential production of antifungal metabolites. Fungal Genetics and Biology, 2005, 42, 749-760.	2.1	158
22	Liquid chromatography-mass spectrometry for the determination of chemical contaminants in food. TrAC - Trends in Analytical Chemistry, 2014, 59, 59-72.	11.4	154
23	Co-Occurrence of Regulated, Masked and Emerging Mycotoxins and Secondary Metabolites in Finished Feed and Maizeâ€"An Extensive Survey. Toxins, 2016, 8, 363.	3.4	151
24	Occurrence of Deoxynivalenol and Its Major Conjugate, Deoxynivalenol-3-Glucoside, in Beer and Some Brewing Intermediates. Journal of Agricultural and Food Chemistry, 2009, 57, 3187-3194.	5.2	150
25	Metabolism of the masked mycotoxin deoxynivalenol-3-glucoside in rats. Toxicology Letters, 2012, 213, 367-373.	0.8	146
26	Assessment of human deoxynivalenol exposure using an LCâ€"MS/MS based biomarker method. Toxicology Letters, 2012, 211, 85-90.	0.8	145
27	New tricks of an old enemy: isolates of <scp><i>F</i></scp><i>usarium graminearum</i> produce a type <scp>A</scp> trichothecene mycotoxin. Environmental Microbiology, 2015, 17, 2588-2600.	3.8	145
28	Development and validation of a (semi-)quantitative UHPLC-MS/MS method for the determination of 191 mycotoxins and other fungal metabolites in almonds, hazelnuts, peanuts and pistachios. Analytical and Bioanalytical Chemistry, 2013, 405, 5087-5104.	3.7	137
29	Chromatographic methods for the simultaneous determination of mycotoxins and their conjugates in cereals. International Journal of Food Microbiology, 2007, 119, 33-37.	4.7	131
30	Mycotoxin exposure in rural residents in northern Nigeria: A pilot study using multi-urinary biomarkers. Environment International, 2014, 66, 138-145.	10.0	129
31	Rapid test strips for analysis of mycotoxins in food and feed. Analytical and Bioanalytical Chemistry, 2009, 393, 67-71.	3.7	128
32	Significance, chemistry and determination of ergot alkaloids: A review. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2008, 25, 722-731.	2.3	126
33	Deoxynivalenol and other selected Fusarium toxins in Swedish oats â€" Occurrence and correlation to specific Fusarium species. International Journal of Food Microbiology, 2013, 167, 276-283.	4.7	123
34	Multiple mycotoxin exposure determined by urinary biomarkers in rural subsistence farmers in the former Transkei, South Africa. Food and Chemical Toxicology, 2013, 62, 217-225.	3.6	123
35	Development and validation of a rapid multiâ€biomarker liquid chromatography/tandem mass spectrometry method to assess human exposure to mycotoxins. Rapid Communications in Mass Spectrometry, 2012, 26, 1533-1540.	1.5	121
36	Deoxynivalenol and other selected Fusarium toxins in Swedish wheat â€" Occurrence and correlation to specific Fusarium species. International Journal of Food Microbiology, 2013, 167, 284-291.	4.7	120

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37	Faces of a Changing Climate: Semi-Quantitative Multi-Mycotoxin Analysis of Grain Grown in Exceptional Climatic Conditions in Norway. Toxins, 2013, 5, 1682-1697.	3.4	119
38	Development of Qualitative and Semiquantitative Immunoassay-Based Rapid Strip Tests for the Detection of T-2 Toxin in Wheat and Oat. Journal of Agricultural and Food Chemistry, 2008, 56, 2589-2594.	5.2	118
39	GCâ€“MS based targeted metabolic profiling identifies changes in the wheat metabolome following deoxynivalenol treatment. Metabolomics, 2015, 11, 722-738.	3.0	117
40	Simultaneous determination of six major ergot alkaloids and their epimers in cereals and foodstuffs by LCâ€“MSâ€“MS. Analytical and Bioanalytical Chemistry, 2008, 391, 563-576.	3.7	113
41	Advanced LCâ€“MS-based methods to study the co-occurrence and metabolization of multiple mycotoxins in cereals and cereal-based food. Analytical and Bioanalytical Chemistry, 2018, 410, 801-825.	3.7	113
42	Stable isotope dilution assay for the accurate determination of mycotoxins in maize by UHPLC-MS/MS. Analytical and Bioanalytical Chemistry, 2012, 402, 2675-2686.	3.7	112
43	Degradation of fumonisin B1 by the consecutive action of two bacterial enzymes. Journal of Biotechnology, 2010, 145, 120-129.	3.8	111
44	Difficulties in fumonisin determination: the issue of hidden fumonisins. Analytical and Bioanalytical Chemistry, 2009, 395, 1335-1345.	3.7	107
45	Development of a Method for the Determination of Fusarium Fungi on Corn Using Mid-Infrared Spectroscopy with Attenuated Total Reflection and Chemometrics. Analytical Chemistry, 2003, 75, 1211-1217.	6.5	105
46	Stable isotopic labelling-assisted untargeted metabolic profiling reveals novel conjugates of the mycotoxin deoxynivalenol in wheat. Analytical and Bioanalytical Chemistry, 2013, 405, 5031-5036.	3.7	102
47	Bio-monitoring of mycotoxin exposure in Cameroon using a urinary multi-biomarker approach. Food and Chemical Toxicology, 2013, 62, 927-934.	3.6	102
48	Ultra-sensitive, stable isotope assisted quantification of multiple urinary mycotoxin exposure biomarkers. Analytica Chimica Acta, 2018, 1019, 84-92.	5.4	101
49	Liquid chromatography coupled to tandem mass spectrometry (LC-MS/MS) determination of phase II metabolites of the mycotoxin zearalenone in the model plantArabidopsis thaliana. Food Additives and Contaminants, 2006, 23, 1194-1200.	2.0	98
50	Natural mycotoxin contamination of maize (Zea mays L.) in the South region of Brazil. Food Control, 2017, 73, 127-132.	5.5	96
51	Advances in the analysis of mycotoxins and its quality assurance. Food Additives and Contaminants, 2005, 22, 345-353.	2.0	94
52	Occurrence of multiple mycotoxins and other fungal metabolites in animal feed and maize samples from Egypt using LCâ€MS/MS. Journal of the Science of Food and Agriculture, 2017, 97, 4419-4428.	3.5	94
53	Overexpression of the UGT73C6 alters brassinosteroid glucoside formation in Arabidopsis thaliana. BMC Plant Biology, 2011, 11, 51.	3.6	93
54	Biotransformation of the Mycotoxin Deoxynivalenol in Fusarium Resistant and Susceptible Near Isogenic Wheat Lines. PLoS ONE, 2015, 10, e0119656.	2.5	93

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55	Cleavage of Zearalenone by <i>Trichosporon mycotoxinivorans</i> to a Novel Nonestrogenic Metabolite. Applied and Environmental Microbiology, 2010, 76, 2353-2359.	3.1	92
56	Survey of deoxynivalenol and its conjugates deoxynivalenol-3-glucoside and 3-acetyl-deoxynivalenol in 374 beer samples. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2013, 30, 137-146.	2.3	91
57	Validated Method for the Determination of the Ethanol Consumption Markers Ethyl Glucuronide, Ethyl Phosphate, and Ethyl Sulfate in Human Urine by Reversed-Phase/Weak Anion Exchange Liquid Chromatographyâˆ'Tandem Mass Spectrometry. Analytical Chemistry, 2006, 78, 5884-5892.	6.5	90
58	Application of a liquid chromatographyâ€"tandem mass spectrometric method to multi-mycotoxin determination in raw cereals and evaluation of matrix effects. Food Additives and Contaminants, 2007, 24, 1184-1195.	2.0	88
59	LC-MS/MS-based multibiomarker approaches for the assessment of human exposure to mycotoxins. Analytical and Bioanalytical Chemistry, 2013, 405, 5687-5695.	3.7	88
60	Evaluation of Matrix Effects and Extraction Efficiencies of LCâ€"MS/MS Methods as the Essential Part for Proper Validation of Multiclass Contaminants in Complex Feed. Journal of Agricultural and Food Chemistry, 2020, 68, 3868-3880.	5.2	86
61	Retention pattern profiling of fungal metabolites on mixed-mode reversed-phase/weak anion exchange stationary phases in comparison to reversed-phase and weak anion exchange separation materials by liquid chromatographyâ€"electrospray ionisation-tandem mass spectrometry. Journal of Chromatography A, 2008, 1191, 171-181.	3.7	85
62	Fungal and bacterial metabolites of stored maize (Zea mays, L.) from five agro-ecological zones of Nigeria. Mycotoxin Research, 2014, 30, 89-102.	2.3	85
63	Performance of modern sample preparation techniques in the analysis of Fusarium mycotoxins in cereals. Journal of Chromatography A, 1998, 815, 49-57.	3.7	84
64	A novel stable isotope labelling assisted workflow for improved untargeted LCâ€"HRMS based metabolomics research. Metabolomics, 2014, 10, 754-769.	3.0	84
65	A rapid optical immunoassay for the screening of T-2 and HT-2 toxin in cereals and maize-based baby food. Talanta, 2010, 81, 630-636.	5.5	81
66	Isotope-Assisted Screening for Iron-Containing Metabolites Reveals a High Degree of Diversity among Known and Unknown Siderophores Produced by Trichoderma spp. Applied and Environmental Microbiology, 2013, 79, 18-31.	3.1	81
67	Zearalenone-16-<i>O</i>-glucoside: A New Masked Mycotoxin. Journal of Agricultural and Food Chemistry, 2014, 62, 1181-1189.	5.2	81
68	MetExtract II: A Software Suite for Stable Isotope-Assisted Untargeted Metabolomics. Analytical Chemistry, 2017, 89, 9518-9526.	6.5	80
69	Fourier transform mid-infrared spectroscopy with attenuated total reflection (FT-IR/ATR) as a tool for the detection of Fusarium fungi on maize. Vibrational Spectroscopy, 2002, 29, 115-119.	2.2	79
70	Sm2, a paralog of the Trichoderma cerato-platanin elicitor Sm1, is also highly important for plant protection conferred by the fungal-root interaction of Trichoderma with maize. BMC Microbiology, 2015, 15, 2.	3.3	79
71	Mycotoxin risk assessment for consumers of groundnut in domestic markets in Nigeria. International Journal of Food Microbiology, 2017, 251, 24-32.	4.7	78
72	Toxigenicity and pathogenicity of Fusarium poae and Fusarium avenaceum on wheat. European Journal of Plant Pathology, 2008, 122, 265-276.	1.7	76

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73	A rapid lateral flow test for the determination of total type B fumonisins in maize. Analytical and Bioanalytical Chemistry, 2009, 395, 1309-1316.	3.7	75
74	Multimycotoxin analysis of sorghum (Sorghum bicolor L. Moench) and finger millet (Eleusine) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702	5.5	75
75	Heterologous Expression of Arabidopsis UDP-Glucosyltransferases in Saccharomyces cerevisiae for Production of Zearalenone-4-O-Glucoside. Applied and Environmental Microbiology, 2006, 72, 4404-4410.	3.1	74
76	Mycotoxin analysis: state-of-the-art and future trends. Analytical and Bioanalytical Chemistry, 2006, 387, 145-148.	3.7	73
77	Investigation of the Hepatic Glucuronidation Pattern of the Fusarium Mycotoxin Deoxynivalenol in Various Species. Chemical Research in Toxicology, 2012, 25, 2715-2717.	3.3	73
78	Assessing the mycotoxicological risk from consumption of complementary foods by infants and young children in Nigeria. Food and Chemical Toxicology, 2018, 121, 37-50.	3.6	72
79	Urinary analysis reveals high deoxynivalenol exposure in pregnant women from Croatia. Food and Chemical Toxicology, 2013, 62, 231-237.	3.6	71
80	MetExtract: a new software tool for the automated comprehensive extraction of metabolite-derived LC/MS signals in metabolomics research. Bioinformatics, 2012, 28, 736-738.	4.1	68
81	Deoxynivalenol-sulfates: identification and quantification of novel conjugated (masked) mycotoxins in wheat. Analytical and Bioanalytical Chemistry, 2015, 407, 1033-1039.	3.7	68
82	Heterochromatin influences the secondary metabolite profile in the plant pathogen Fusarium graminearum. Fungal Genetics and Biology, 2012, 49, 39-47.	2.1	66
83	Effects of orally administered fumonisin B1 (FB1), partially hydrolysed FB1, hydrolysed FB1 and N-(1-deoxy-D-fructos-1-yl) FB1 on the sphingolipid metabolism in rats. Food and Chemical Toxicology, 2015, 76, 11-18.	3.6	66
84	Bacterial Diversity and Mycotoxin Reduction During Maize Fermentation (Steeping) for Ogi Production. Frontiers in Microbiology, 2015, 6, 1402.	3.5	65
85	Stable Isotope-Assisted Evaluation of Different Extraction Solvents for Untargeted Metabolomics of Plants. International Journal of Molecular Sciences, 2016, 17, 1017.	4.1	64
86	Suitability of a fully 13C isotope labeled internal standard for the determination of the mycotoxin deoxynivalenol by LC-MS/MS without clean up. Analytical and Bioanalytical Chemistry, 2006, 384, 692-696.	3.7	63
87	Sandwich Immunoassays for the Determination of Peanut and Hazelnut Traces in Foods. Journal of Agricultural and Food Chemistry, 2005, 53, 3321-3327.	5.2	62
88	Mycotoxins in maize harvested in Republic of Serbia in the period 2012â€“2015. Part 1: Regulated mycotoxins and its derivatives. Food Chemistry, 2020, 312, 126034.	8.2	61
89	A loop-mediated isothermal amplification (LAMP) assay for the rapid detection of Enterococcus spp. in water. Water Research, 2017, 122, 62-69.	11.3	60
90	Effect of fungal strain and cereal substrate on<i>in vitro</i>mycotoxin production by<i>Fusarium poae</i>and<i>Fusarium avenaceum</i>. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2008, 25, 745-757.	2.3	59

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91	Direct quantification of deoxynivalenol glucuronide in human urine as biomarker of exposure to the Fusarium mycotoxin deoxynivalenol. Analytical and Bioanalytical Chemistry, 2011, 401, 195-200.	3.7	57
92	Challenges and trends in the determination of selected chemical contaminants and allergens in food. Analytical and Bioanalytical Chemistry, 2012, 402, 139-162.	3.7	57
93	The Mycotox Charter: Increasing Awareness of, and Concerted Action for, Minimizing Mycotoxin Exposure Worldwide. Toxins, 2018, 10, 149.	3.4	57
94	Fusarium Damage in Small Cereal Grains from Western Canada. 2. Occurrence of Fusarium Toxins and Their Source Organisms in Durum Wheat Harvested in 2010. Journal of Agricultural and Food Chemistry, 2013, 61, 5438-5448.	5.2	54
95	Mycotoxin co-exposures in infants and young children consuming household- and industrially-processed complementary foods in Nigeria and risk management advice. Food Control, 2019, 98, 312-322.	5.5	53
96	Untargeted Profiling of Tracer-Derived Metabolites Using Stable Isotopic Labeling and Fast Polarity-Switching LCâ€"ESI-HRMS. Analytical Chemistry, 2014, 86, 11533-11537.	6.5	52
97	Utilising an LC-MS/MS-based multi-biomarker approach to assess mycotoxin exposure in the Bangkok metropolitan area and surrounding provinces. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2014, 31, 2040-2046.	2.3	52
98	In vitro glucuronidation kinetics of deoxynivalenol by human and animal microsomes and recombinant human UGT enzymes. Archives of Toxicology, 2015, 89, 949-960.	4.2	52
99	The Effect of Inoculation Treatment and Long-term Application of Moisture on Fusarium Head Blight Symptoms and Deoxynivalenol Contamination in Wheat Grains. European Journal of Plant Pathology, 2004, 110, 299-308.	1.7	51
100	From malt to wheat beer: A comprehensive multi-toxin screening, transfer assessment and its influence on basic fermentation parameters. Food Chemistry, 2018, 254, 115-121.	8.2	51
101	Uncommon occurrence ratios of aflatoxin B1, B2, G1, and G2 in maize and groundnuts from Malawi. Mycotoxin Research, 2015, 31, 57-62.	2.3	50
102	Emerging Fusarium Mycotoxins Fusaproliferin, Beauvericin, Enniatins, and Moniliformin in Serbian Maize. Toxins, 2019, 11, 357.	3.4	50
103	Mycotoxins in poultry feed and feed ingredients in Nigeria. Mycotoxin Research, 2019, 35, 149-155.	2.3	49
104	Microbial secondary metabolites in school buildings inspected for moisture damage in Finland, The Netherlands and Spain. Journal of Environmental Monitoring, 2012, 14, 2044.	2.1	48
105	Mycological Analysis and Multimycotoxins in Maize from Rural Subsistence Farmers in the Former Transkei, South Africa. Journal of Agricultural and Food Chemistry, 2013, 61, 8232-8240.	5.2	47
106	Occurrence and Human-Health Impacts of Mycotoxins in Somalia. Journal of Agricultural and Food Chemistry, 2019, 67, 2052-2060.	5.2	47
107	Microbiological safety of readyâ€toâ€eat foods in lowâ€and middleâ€income countries: A comprehensive 10â€year (2009 to 2018) review. Comprehensive Reviews in Food Science and Food Safety, 2020, 19, 703-732.	11.7	47
108	Fate of mycotoxins in two popular traditional cereal-based beverages (kunu-zaki and pito) from rural Nigeria. LWT - Food Science and Technology, 2015, 60, 137-141.	5.2	46

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109	Presence of Multiple Mycotoxins and Other Fungal Metabolites in Native Grasses from a Wetland Ecosystem in Argentina Intended for Grazing Cattle. Toxins, 2015, 7, 3309-3329.	3.4	45
110	High-Throughput Sequence Analyses of Bacterial Communities and Multi-Mycotoxin Profiling During Processing of Different Formulations of Kunu, a Traditional Fermented Beverage. Frontiers in Microbiology, 2018, 9, 3282.	3.5	45
111	Challenges and perspectives in the application of isothermal DNA amplification methods for food and water analysis. Analytical and Bioanalytical Chemistry, 2019, 411, 1695-1702.	3.7	45
112	Discriminant analysis of selected yield components and fatty acid composition of chosen Triticum monococcum, Triticum dicoccum and Triticum spelta accessions. Journal of Cereal Science, 2009, 49, 310-315.	3.7	44
113	Advancements in IR spectroscopic approaches for the determination of fungal derived contaminations in food crops. Analytical and Bioanalytical Chemistry, 2015, 407, 653-660.	3.7	44
114	Traditionally Processed Beverages in Africa: A Review of the Mycotoxin Occurrence Patterns and Exposure Assessment. Comprehensive Reviews in Food Science and Food Safety, 2018, 17, 334-351.	11.7	43
115	Towards a dietary-exposome assessment of chemicals in food: An update on the chronic health risks for the European consumer. Critical Reviews in Food Science and Nutrition, 2020, 60, 1890-1911.	10.3	43
116	Biological Control of Aflatoxin in Maize Grown in Serbia. Toxins, 2020, 12, 162.	3.4	43
117	Regional Sub-Saharan Africa Total Diet Study in Benin, Cameroon, Mali and Nigeria Reveals the Presence of 164 Mycotoxins and Other Secondary Metabolites in Foods. Toxins, 2019, 11, 54.	3.4	42
118	Yeast cell based feed additives: studies on aflatoxin B₁and zearalenone. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2012, 29, 217-231.	2.3	41
119	Role of the European corn borer (<i>Ostrinia nubilalis</i>) on contamination of maize with 13<i>Fusarium</i>mycotoxins. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2015, 32, 533-543.	2.3	41
120	Novel analytical methods to study the fate of mycotoxins during thermal food processing. Analytical and Bioanalytical Chemistry, 2020, 412, 9-16.	3.7	41
121	Identification of a novel human deoxynivalenol metabolite enhancing proliferation of intestinal and urinary bladder cells. Scientific Reports, 2016, 6, 33854.	3.3	40
122	Mycotoxin patterns in ear rot infected maize: A comprehensive case study in Nigeria. Food Control, 2017, 73, 1159-1168.	5.5	40
123	A Sensitive and Inexpensive Yeast Bioassay for the Mycotoxin Zearalenone and Other Compounds with Estrogenic Activity. Applied and Environmental Microbiology, 2003, 69, 805-811.	3.1	39
124	A comparative study of mid-infrared diffuse reflection (DR) and attenuated total reflection (ATR) spectroscopy for the detection of fungal infection on RWA2-corn. Analytical and Bioanalytical Chemistry, 2004, 378, 159-166.	3.7	38
125	Metabolomics and metabolite profiling. Analytical and Bioanalytical Chemistry, 2013, 405, 5003-5004.	3.7	38
126	A novel chemometric classification for FTIR spectra of mycotoxin-contaminated maize and peanuts at regulatory limits. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2016, 33, 1596-1607.	2.3	38

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127	Uncommon toxic microbial metabolite patterns in traditionally home-processed maize dish (fufu) consumed in rural Cameroon. Food and Chemical Toxicology, 2017, 107, 10-19.	3.6	38
128	Multiple Fungal Metabolites Including Mycotoxins in Naturally Infected and Fusarium-Inoculated Wheat Samples. Microorganisms, 2020, 8, 578.	3.6	38
129	A rapid fluorescence polarization immunoassay for the determination of T-2 and HT-2 toxins in wheat. Analytical and Bioanalytical Chemistry, 2011, 401, 2561-2571.	3.7	37
130	Cooccurrence of Mycotoxins in Maize and Poultry Feeds from Brazil by Liquid Chromatography/Tandem Mass Spectrometry. Scientific World Journal, The, 2013, 2013, 1-9.	2.1	37
131	Mycotoxin Contamination in Sugarcane Grass and Juice: First Report on Detection of Multiple Mycotoxins and Exposure Assessment for Aflatoxins B1 and G1 in Humans. Toxins, 2016, 8, 343.	3.4	37
132	Occurrence of Ochratoxins, Fumonisin B₂, Aflatoxins (B₁ and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 Td (E Miniâ€Survey. Journal of Food Science, 2018, 83, 559-564.	3.1	37
133	Can Polish wheat (Triticum polonicum L.) be an interesting gene source for breeding wheat cultivars with increased resistance to Fusarium head blight?. Genetic Resources and Crop Evolution, 2013, 60, 2359-2373.	1.6	36
134	Determination of the Mycotoxin Content in Distillerâ€™s Dried Grain with Solubles Using a Multianalyte UHPLCâ€"MS/MS Method. Journal of Agricultural and Food Chemistry, 2015, 63, 9441-9451.	5.2	36
135	Traditional processing impacts mycotoxin levels and nutritional value of ogi â€" A maize-based complementary food. Food Control, 2018, 86, 224-233.	5.5	36
136	Challenges and future directions in LC-MS-based multiclass method development for the quantification of food contaminants. Analytical and Bioanalytical Chemistry, 2021, 413, 25-34.	3.7	36
137	Loss of Pyrrolizidine Alkaloids on Decomposition of Ragwort (<i>Senecio jacobaea</i>) as Measured by LC-TOF-MS. Journal of Agricultural and Food Chemistry, 2009, 57, 3669-3673.	5.2	35
138	Loop-Mediated Isothermal Amplification (LAMP) for the Detection of Horse Meat in Meat and Processed Meat Products. Food Analytical Methods, 2015, 8, 1576-1581.	2.6	35
139	Stable Isotope-Assisted Plant Metabolomics: Investigation of Phenylalanine-Related Metabolic Response in Wheat Upon Treatment With the Fusarium Virulence Factor Deoxynivalenol. Frontiers in Plant Science, 2019, 10, 1137.	3.6	35
140	Mycotoxins in maize harvested in Serbia in the period 2012â€"2015. Part 2: Non-regulated mycotoxins and other fungal metabolites. Food Chemistry, 2020, 317, 126409.	8.2	35
141	Realizing the simultaneous liquid chromatography-tandem mass spectrometry based quantification of >1200 biotoxins, pesticides and veterinary drugs in complex feed. Journal of Chromatography A, 2020, 1629, 461502.	3.7	35
142	Establishment and Application of a Metabolomics Workflow for Identification and Profiling of Volatiles from Leaves of <i>Vitis vinifera</i> by HSâ€SPMEâ€GCâ€MS. Phytochemical Analysis, 2012, 23, 345-358.	2.4	34
143	Characterization of (13C24) T-2 toxin and its use as an internal standard for the quantification of T-2 toxin in cereals with HPLCâ€"MS/MS. Analytical and Bioanalytical Chemistry, 2007, 389, 931-940.	3.7	33
144	Rapid Surface Plasmon Resonance Immunoassay for the Determination of Deoxynivalenol in Wheat, Wheat Products, and Maize-Based Baby Food. Journal of Agricultural and Food Chemistry, 2010, 58, 8936-8941.	5.2	33

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146	Portable Infrared Laser Spectroscopy for On-site Mycotoxin Analysis. Scientific Reports, 2017, 7, 44028.	3.3	32
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