

Hans-Ulrich Humpf

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8758664/publications.pdf>

Version: 2024-02-01

294
papers

14,737
citations

26567

56
h-index

27345

106
g-index

306
all docs

306
docs citations

306
times ranked

15982
citing authors

#	ARTICLE	IF	CITATIONS
1	Sharing and community curation of mass spectrometry data with Global Natural Products Social Molecular Networking. <i>Nature Biotechnology</i> , 2016, 34, 828-837.	9.4	2,802
2	Analysis of microplastics in water by micro-Raman spectroscopy: Release of plastic particles from different packaging into mineral water. <i>Water Research</i> , 2018, 129, 154-162.	5.3	766
3	Deciphering the Cryptic Genome: Genome-wide Analyses of the Rice Pathogen <i>Fusarium fujikuroi</i> Reveal Complex Regulation of Secondary Metabolism and Novel Metabolites. <i>PLoS Pathogens</i> , 2013, 9, e1003475.	2.1	406
4	Metabolism of anthocyanins and their phenolic degradation products by the intestinal microflora. <i>Bioorganic and Medicinal Chemistry</i> , 2005, 13, 5195-5205.	1.4	323
5	Proposal of a comprehensive definition of modified and other forms of mycotoxins including "masked" mycotoxins. <i>Mycotoxin Research</i> , 2014, 30, 197-205.	1.3	268
6	FfVel1 and FfLae1, components of a velvet-like complex in <i>Fusarium fujikuroi</i> , affect differentiation, secondary metabolism and virulence. <i>Molecular Microbiology</i> , 2010, 77, 972-994.	1.2	234
7	Biosynthesis of the red pigment bikaverin in <i>Fusarium fujikuroi</i> : genes, their function and regulation. <i>Molecular Microbiology</i> , 2009, 72, 931-946.	1.2	209
8	Effects of thermal food processing on the chemical structure and toxicity of fumonisin mycotoxins. <i>Molecular Nutrition and Food Research</i> , 2004, 48, 255-269.	1.5	171
9	Nitrate and nitrite in the diet: How to assess their benefit and risk for human health. <i>Molecular Nutrition and Food Research</i> , 2015, 59, 106-128.	1.5	170
10	Biosynthesis of Fusarubins Accounts for Pigmentation of <i>Fusarium fujikuroi</i> Perithecia. <i>Applied and Environmental Microbiology</i> , 2012, 78, 4468-4480.	1.4	169
11	Meat Authentication: A New HPLC-MS/MS Based Method for the Fast and Sensitive Detection of Horse and Pork in Highly Processed Food. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 9428-9435.	2.4	152
12	A Prospective Study of Growth and Biomarkers of Exposure to Aflatoxin and Fumonisin during Early Childhood in Tanzania. <i>Environmental Health Perspectives</i> , 2015, 123, 173-178.	2.8	147
13	Fumonisin and fumonisin analogs as inhibitors of ceramide synthase and inducers of apoptosis. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2002, 1585, 188-192.	1.2	143
14	Acylation of Naturally Occurring and Synthetic 1-Deoxysphinganine by Ceramide Synthase. <i>Journal of Biological Chemistry</i> , 1998, 273, 19060-19064.	1.6	137
15	Thermal Degradation of the <i>Fusarium</i> Mycotoxin Deoxynivalenol. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 6445-6451.	2.4	128
16	A comparative study of the human urinary mycotoxin excretion patterns in Bangladesh, Germany, and Haiti using a rapid and sensitive LC-MS/MS approach. <i>Mycotoxin Research</i> , 2015, 31, 127-136.	1.3	123
17	Analysis of Fumonisin B1 in <i>Fusarium proliferatum</i> -Infected Asparagus Spears and Garlic Bulbs from Germany by Liquid Chromatography-Electrospray Ionization Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2002, 50, 2778-2781.	2.4	120
18	New Sensitive High-Performance Liquid Chromatography-Tandem Mass Spectrometry Method for the Detection of Horse and Pork in Halal Beef. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 11986-11994.	2.4	120

#	ARTICLE	IF	CITATIONS
19	Ion identity molecular networking for mass spectrometry-based metabolomics in the GNPS environment. <i>Nature Communications</i> , 2021, 12, 3832.	5.8	119
20	Knockdown of the methyltransferase Kmt6 relieves H3K27me3 and results in induction of cryptic and otherwise silent secondary metabolite gene clusters in <i>Fusarium fujikuroi</i> . <i>Environmental Microbiology</i> , 2016, 18, 4037-4054.	1.8	109
21	Toxicity of fluoride: critical evaluation of evidence for human developmental neurotoxicity in epidemiological studies, animal experiments and in vitro analyses. <i>Archives of Toxicology</i> , 2020, 94, 1375-1415.	1.9	109
22	Genetic Manipulation of the <i>Fusarium fujikuroi</i> Fusarin Gene Cluster Yields Insight into the Complex Regulation and Fusarin Biosynthetic Pathway. <i>Chemistry and Biology</i> , 2013, 20, 1055-1066.	6.2	107
23	Bilberry ingestion improves disease activity in mild to moderate ulcerative colitis – An open pilot study. <i>Journal of Crohn's and Colitis</i> , 2013, 7, 271-279.	0.6	106
24	Determination of mycotoxin exposure in Germany using an LC-MS/MS multibiomarker approach. <i>Molecular Nutrition and Food Research</i> , 2014, 58, 2358-2368.	1.5	103
25	New <i>Monascus</i> Metabolite Isolated from Red Yeast Rice (Angkak, Red Koji). <i>Journal of Agricultural and Food Chemistry</i> , 2002, 50, 3999-4002.	2.4	100
26	Bound Fumonisin B1: Analysis of Fumonisin-B1 Glyco and Amino Acid Conjugates by Liquid Chromatography-Electrospray Ionization-Tandem Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2003, 51, 5567-5573.	2.4	99
27	Effect of nanoparticle size and PEGylation on the protein corona of PLGA nanoparticles. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019, 141, 70-80.	2.0	99
28	Characterization of the fusaric acid gene cluster in <i>Fusarium fujikuroi</i> . <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 1749-1762.	1.7	98
29	Deconjugation and Degradation of Flavonol Glycosides by Pig Cecal Microbiota Characterized by Fluorescence in Situ Hybridization (FISH). <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 2281-2290.	2.4	95
30	Degradation and Metabolism of Catechin, Epigallocatechin-3-gallate (EGCG), and Related Compounds by the Intestinal Microbiota in the Pig Cecum Model. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 8041-8048.	2.4	92
31	Survey of <i>Alternaria</i> toxin contamination in food from the German market, using a rapid HPLC-MS/MS approach. <i>Mycotoxin Research</i> , 2016, 32, 7-18.	1.3	91
32	Association between Tortilla Consumption and Human Urinary Fumonisin B1 Levels in a Mexican Population. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2008, 17, 688-694.	1.1	90
33	A new solid phase extraction clean-up method for the determination of 12 type A and B trichothecenes in cereals and cereal-based food by LC-MS/MS. <i>Molecular Nutrition and Food Research</i> , 2006, 50, 261-269.	1.5	89
34	Differential cytotoxic actions of Shiga toxin 1 and Shiga toxin 2 on microvascular and macrovascular endothelial cells. <i>Thrombosis and Haemostasis</i> , 2011, 105, 515-528.	1.8	89
35	Determination of 12 Type A and B Trichothecenes in Cereals by Liquid Chromatography-Electrospray Ionization Tandem Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 8904-8910.	2.4	87
36	Metabolism and cytotoxic effects of T-2 toxin and its metabolites on human cells in primary culture. <i>Toxicology</i> , 2009, 258, 106-115.	2.0	85

#	ARTICLE	IF	CITATIONS
37	Serum type and concentration both affect the protein-corona composition of PLGA nanoparticles. <i>Beilstein Journal of Nanotechnology</i> , 2019, 10, 1002-1015.	1.5	79
38	Cytotoxicity and accumulation of ergot alkaloids in human primary cells. <i>Toxicology</i> , 2011, 282, 112-121.	2.0	75
39	Identification and in Vitro Cytotoxicity of Ochratoxin A Degradation Products Formed during Coffee Roasting. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 5673-5681.	2.4	74
40	Sphingomyelin induces cathepsin D-mediated apoptosis in intestinal epithelial cells and increases inflammation in DSS colitis. <i>Gut</i> , 2011, 60, 55-65.	6.1	74
41	New Monascus Metabolites with a Pyridine Structure in Red Fermented Rice. <i>Journal of Agricultural and Food Chemistry</i> , 2003, 51, 5493-5496.	2.4	73
42	Enzymatic Resolution of Chiral 2-Hydroxy Carboxylic Acids by Enantioselective Oxidation with Molecular Oxygen Catalyzed by the Glycolate Oxidase from Spinach (<i>Spinacia oleracea</i>). <i>Journal of Organic Chemistry</i> , 1997, 62, 7841-7843.	1.7	71
43	Fate of deoxynivalenol and deoxynivalenol-3-glucoside during cereal-based thermal food processing: a review study. <i>Mycotoxin Research</i> , 2017, 33, 79-91.	1.3	70
44	Cytotoxicity, metabolism and cellular uptake of the mycotoxin deoxynivalenol in human proximal tubule cells and lung fibroblasts in primary culture. <i>Toxicology</i> , 2007, 240, 48-59.	2.0	66
45	Determination of T-2 and HT-2 Toxins in Cereals Including Oats after Immunoaffinity Cleanup by Liquid Chromatography and Fluorescence Detection. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 4968-4975.	2.4	65
46	Vesicular stabilization and activity augmentation of enterohaemorrhagic <i>Escherichia coli</i> haemolysin. <i>Molecular Microbiology</i> , 2009, 71, 1496-1508.	1.2	65
47	Influence of T-2 and HT-2 Toxin on the Blood-Brain Barrier In Vitro: New Experimental Hints for Neurotoxic Effects. <i>PLoS ONE</i> , 2013, 8, e60484.	1.1	65
48	Hydrolyzed fumonisins HFB ₁ and HFB ₂ are acylated in vitro and in vivo by ceramide synthase to form cytotoxic N-acylated metabolites. <i>Molecular Nutrition and Food Research</i> , 2007, 51, 1120-1130.	1.5	64
49	Two separate key enzymes and two pathway-specific transcription factors are involved in fusaric acid biosynthesis in <i>Fusarium fujikuroi</i> . <i>Environmental Microbiology</i> , 2016, 18, 936-956.	1.8	64
50	Bound aroma compounds from the fruit and the leaves of blackberry (<i>Rubus laciniata</i> L.). <i>Journal of Agricultural and Food Chemistry</i> , 1991, 39, 1830-1832.	2.4	63
51	A new approach using micro HPLC-MS/MS for multi-mycotoxin analysis in maize samples. <i>Mycotoxin Research</i> , 2015, 31, 109-115.	1.3	62
52	A new approach in exciton-coupled circular dichroism (ECCD) insertion of an auxiliary stereogenic center. <i>Chirality</i> , 1995, 7, 128-135.	1.3	60
53	Shiga toxin glycosphingolipid receptors in microvascular and macrovascular endothelial cells: differential association with membrane lipid raft microdomains. <i>Journal of Lipid Research</i> , 2011, 52, 618-634.	2.0	60
54	The Sfp-Type 4-Phosphopantetheinyl Transferase Ppt1 of <i>Fusarium fujikuroi</i> Controls Development, Secondary Metabolism and Pathogenicity. <i>PLoS ONE</i> , 2012, 7, e37519.	1.1	59

#	ARTICLE	IF	CITATIONS
55	Apicidin F: Characterization and Genetic Manipulation of a New Secondary Metabolite Gene Cluster in the Rice Pathogen <i>Fusarium fujikuroi</i> . <i>PLoS ONE</i> , 2014, 9, e103336.	1.1	58
56	Comparative genomics of geographically distant <i>Fusarium fujikuroi</i> isolates revealed two distinct pathotypes correlating with secondary metabolite profiles. <i>PLoS Pathogens</i> , 2017, 13, e1006670.	2.1	58
57	Column liquid chromatography–electrospray ionisation–tandem mass spectrometry for the analysis of ochratoxin. <i>Journal of Chromatography A</i> , 1998, 818, 260-264.	1.8	57
58	Biomonitoring using dried blood spots: Detection of ochratoxin A and its degradation product 2-ochratoxin A in blood from coffee drinkers*. <i>Molecular Nutrition and Food Research</i> , 2015, 59, 1837-1843.	1.5	57
59	Subtypes of the Plasmid-Encoded Serine Protease EspP in Shiga Toxin-Producing <i>Escherichia coli</i> : Distribution, Secretion, and Proteolytic Activity. <i>Applied and Environmental Microbiology</i> , 2007, 73, 6351-6359.	1.4	54
60	Aromatic hydroxylation is a major metabolic pathway of the mycotoxin zearalenone in vitro. <i>Molecular Nutrition and Food Research</i> , 2009, 53, 1123-1133.	1.5	54
61	Matrix Binding of Ochratoxin A during Roasting. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 12737-12743.	2.4	54
62	The SAGA complex in the rice pathogen <i>Fusarium fujikuroi</i> : structure and functional characterization. <i>Molecular Microbiology</i> , 2016, 102, 951-974.	1.2	54
63	Synthesis of Optically Active β -Methylene- γ -Lactams through Lipase-Catalyzed Kinetic Resolution. <i>Journal of Organic Chemistry</i> , 2000, 65, 4919-4922.	1.7	52
64	Signaling Governed by G Proteins and cAMP Is Crucial for Growth, Secondary Metabolism and Sexual Development in <i>Fusarium fujikuroi</i> . <i>PLoS ONE</i> , 2013, 8, e58185.	1.1	52
65	Structural Profiling and Quantification of Sphingomyelin in Human Breast Milk by HPLC-MS/MS. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 6018-6024.	2.4	51
66	Structure Elucidation and Antimalarial Activity of Apicidin F: An Apicidin-like Compound Produced by <i>Fusarium fujikuroi</i> . <i>Journal of Natural Products</i> , 2013, 76, 2136-2140.	1.5	51
67	β -Hydroxylation of Carboxylic Acids with Molecular Oxygen Catalyzed by the β -Oxidase of Peas (<i>Pisum sativum</i>): A Novel Biocatalytic Synthesis of Enantiomerically Pure (R)-2-Hydroxy Acids. <i>Journal of the American Chemical Society</i> , 1998, 120, 11044-11048.	6.6	50
68	Intestinal Metabolism of Two A-type Procyanidins Using the Pig Cecum Model: Detailed Structure Elucidation of Unknown Catabolites with Fourier Transform Mass Spectrometry (FTMS). <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 749-757.	2.4	50
69	Distribution and Quantification of Flavan-3-ols and Procyanidins with Low Degree of Polymerization in Nuts, Cereals, and Legumes. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 9148-9154.	2.4	50
70	Isolation and Structure Elucidation of Fujikurins A–D: Products of the PKS19 Gene Cluster in <i>Fusarium fujikuroi</i> . <i>Journal of Natural Products</i> , 2015, 78, 1809-1815.	1.5	50
71	Impact of Physicochemical Parameters on the Decomposition of Deoxynivalenol during Extrusion Cooking of Wheat Grits. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 12480-12485.	2.4	49
72	Effects of the mycotoxin deoxynivalenol on human primary hepatocytes. <i>Molecular Nutrition and Food Research</i> , 2008, 52, 830-839.	1.5	48

#	ARTICLE	IF	CITATIONS
73	Establishment of the Inducible Tet-On System for the Activation of the Silent Trichostatin Gene Cluster in <i>Fusarium fujikuroi</i> . <i>Toxins</i> , 2017, 9, 126.	1.5	48
74	Analysis of Flavan-3-ols and Procyanidins in Food Samples by Reversed Phase High-Performance Liquid Chromatography Coupled to Electrospray Ionization Tandem Mass Spectrometry (RP-HPLC-ESI-MS/MS). <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 10594-10603.	2.4	47
75	Structure elucidation and in vitro cytotoxicity of ochratoxin $\hat{\pm}$ amide, a new degradation product of ochratoxin A. <i>Mycotoxin Research</i> , 2015, 31, 83-90.	1.3	46
76	Multi-mycotoxin analysis using dried blood spots and dried serum spots. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 3369-3382.	1.9	46
77	Analysis of sphingolipids in potatoes (<i>Solanum tuberosum</i> L.) and sweet potatoes (<i>Ipomoea batatas</i> (L.) Tj ETQq1 1 0.784314 rgBT /OV spectrometry (HPLC-ESI-MS/MS). <i>Molecular Nutrition and Food Research</i> , 2006, 50, 1201-1211.	1.5	45
78	A New High-Performance Liquid Chromatography-Tandem Mass Spectrometry Method Based on Dispersive Solid Phase Extraction for the Determination of the Mycotoxin Fusarin C in Corn Ears and Processed Corn Samples. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 10470-10476.	2.4	45
79	Sound of silence: the beauvericin cluster in <i>Fusarium fujikuroi</i> is controlled by cluster-specific and global regulators mediated by H3K27 modification. <i>Environmental Microbiology</i> , 2016, 18, 4282-4302.	1.8	45
80	Appropriateness to set a group health-based guidance value for fumonisins and their modified forms. <i>EFSA Journal</i> , 2018, 16, e05172.	0.9	45
81	Gibepyrone Biosynthesis in the Rice Pathogen <i>Fusarium fujikuroi</i> Is Facilitated by a Small Polyketide Synthase Gene Cluster. <i>Journal of Biological Chemistry</i> , 2016, 291, 27403-27420.	1.6	44
82	Total synthesis and cytotoxicity evaluation of all ochratoxin A stereoisomers. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 343-347.	1.4	42
83	Wavelength-Dependent Degradation of Ochratoxin and Citrinin by Light in Vitro and in Vivo and Its Implications on <i>Penicillium</i> . <i>Toxins</i> , 2012, 4, 1535-1551.	1.5	42
84	Molecular Effects of Baicalein in Hct116 Cells and <i>Caenorhabditis elegans</i> : Activation of the Nrf2 Signaling Pathway and Prolongation of Lifespan. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 2158-2164.	2.4	42
85	Lack of the COMPASS Component Ccl1 Reduces H3K4 Trimethylation Levels and Affects Transcription of Secondary Metabolite Genes in Two Plant-Pathogenic <i>Fusarium</i> Species. <i>Frontiers in Microbiology</i> , 2016, 07, 2144.	1.5	42
86	In vitro toxicological characterisation of the S-containing arsenic metabolites thio-dimethylarsinic acid and dimethylarsinic glutathione. <i>Toxicology</i> , 2013, 305, 109-119.	2.0	41
87	Large-Scale Synthesis of Isotopically Labeled $^{13}\text{C}_2$ -Tenuazonic Acid and Development of a Rapid HPLC-MS/MS Method for the Analysis of Tenuazonic Acid in Tomato and Pepper Products. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 114-120.	2.4	41
88	Blood-Brain Barrier Effects of the <i>Fusarium</i> Mycotoxins Deoxynivalenol, 3 Acetyldeoxynivalenol, and Moniliformin and Their Transfer to the Brain. <i>PLoS ONE</i> , 2015, 10, e0143640.	1.1	41
89	Structural elucidation and analysis of thermal degradation products of the <i>Fusarium</i> mycotoxin nivalenol. <i>Molecular Nutrition and Food Research</i> , 2005, 49, 309-316.	1.5	39
90	Stable isotope dilution analysis of the <i>Fusarium</i> mycotoxins deoxynivalenol and 3-acetyldeoxynivalenol. <i>Molecular Nutrition and Food Research</i> , 2006, 50, 251-260.	1.5	39

#	ARTICLE	IF	CITATIONS
91	Stable Isotope Dilution Analysis of the Fusarium Mycotoxin Zearalenone. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 8353-8358.	2.4	39
92	Re-examination of the anion derivatives of isoflavones by radical fragmentation in negative electrospray ionization tandem mass spectrometry: experimental and computational studies. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 2020-2026.	0.7	39
93	HT-2 Toxin 4-Glucuronide as New T-2 Toxin Metabolite: Enzymatic Synthesis, Analysis, and Species Specific Formation of T-2 and HT-2 Toxin Glucuronides by Rat, Mouse, Pig, and Human Liver Microsomes. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 10170-10178.	2.4	39
94	Structure Elucidation of New Fusarins Revealing Insights in the Rearrangement Mechanisms of the Fusarium Mycotoxin Fusarin C. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 5497-5505.	2.4	39
95	Mycotoxins in blood and urine of Swedish adolescents – possible associations to food intake and other background characteristics. <i>Mycotoxin Research</i> , 2020, 36, 193-206.	1.3	39
96	Identification of <i>Acyl-B₁</i> as new cytotoxic metabolites of fumonisin mycotoxins. <i>Molecular Nutrition and Food Research</i> , 2013, 57, 516-522.	1.5	38
97	Long-term effects of ochratoxin A on fibrosis and cell death in human proximal tubule or fibroblast cells in primary culture. <i>Toxicology</i> , 2007, 232, 57-67.	2.0	37
98	Evidence of ochratoxin A conjugates in urine samples from infants and adults. <i>Mycotoxin Research</i> , 2017, 33, 39-47.	1.3	37
99	Comment on “Plastic Teabags Release Billions of Microparticles and Nanoparticles into Tea”. <i>Environmental Science & Technology</i> , 2020, 54, 14134-14135.	4.6	37
100	Caffeic Acid Phenylester Increases Stress Resistance and Enhances Lifespan in <i>Caenorhabditis elegans</i> by Modulation of the Insulin-Like DAF-16 Signalling Pathway. <i>PLoS ONE</i> , 2014, 9, e100256.	1.1	37
101	Enantioselective Epoxidation with Chiral Mn(III)(salen) Catalysts: A Kinetic Resolution of Aryl-Substituted Allylic Alcohols. <i>Journal of Organic Chemistry</i> , 2001, 66, 5796-5800.	1.7	36
102	Cytotoxic and antimitotic effects of N-containing <i>Monascus</i> metabolites studied using immortalized human kidney epithelial cells. <i>Molecular Nutrition and Food Research</i> , 2006, 50, 406-412.	1.5	36
103	Diagnosis of intoxications of piglets fed with <i>Fusarium</i> toxin-contaminated maize by the analysis of mycotoxin residues in serum, liquor and urine with LC-MS/MS. <i>Archives of Animal Nutrition</i> , 2014, 68, 425-447.	0.9	36
104	New High-Performance Liquid Chromatography Coupled Mass Spectrometry Method for the Detection of Lobster and Shrimp Allergens in Food Samples via Multiple Reaction Monitoring and Multiple Reaction Monitoring Cubed. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 6219-6227.	2.4	36
105	Interplay between pathway-specific and global regulation of the fumonisin gene cluster in the rice pathogen <i>Fusarium fujikuroi</i> . <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 5869-5882.	1.7	36
106	Dual effectiveness of <i>Alternaria</i> but not <i>Fusarium</i> mycotoxins against human topoisomerase II and bacterial gyrase. <i>Archives of Toxicology</i> , 2017, 91, 2007-2016.	1.9	36
107	Quality Criteria for Studies on Dietary Glycation Compounds and Human Health. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 11307-11311.	2.4	35
108	Metabolism of quercetin and rutin by the pig caecal microflora prepared by freeze-preservation. <i>Molecular Nutrition and Food Research</i> , 2006, 50, 686-695.	1.5	34

#	ARTICLE	IF	CITATIONS
109	Structural Elucidation of T-2 Toxin Thermal Degradation Products and Investigations toward Their Occurrence in Retail Food. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 1867-1875.	2.4	34
110	Permeability of ergot alkaloids across the blood-brain barrier in vitro and influence on the barrier integrity. <i>Molecular Nutrition and Food Research</i> , 2012, 56, 475-485.	1.5	34
111	Neurotoxic Potential and Cellular Uptake of T-2 Toxin in Human Astrocytes in Primary Culture. <i>Chemical Research in Toxicology</i> , 2013, 26, 347-355.	1.7	34
112	Role of microRNA-29b in the ochratoxin A-induced enhanced collagen formation in human kidney cells. <i>Toxicology</i> , 2014, 324, 116-122.	2.0	34
113	Development of a liquid chromatography tandem mass spectrometry method for the simultaneous determination of zearalenone, deoxynivalenol and their metabolites in pig serum. <i>Mycotoxin Research</i> , 2014, 30, 171-186.	1.3	34
114	Baicalein modulates stress-resistance and life span in <i>C. elegans</i> via SKN-1 but not DAF-16. <i>FASEB J</i> , 2016, 30, 123-127.	1.1	34
115	Absolute Configurational Assignment of Acyclic Hydroxy Carboxylic Acids: A New Strategy in Exciton-Coupled Circular Dichroism. <i>Journal of Organic Chemistry</i> , 1998, 63, 322-325.	1.7	33
116	Large-scale production of selected type A trichothecenes: the use of HT-2 toxin and T-2 triol as precursors for the synthesis of d 3-T-2 and d 3-HT-2 toxin. <i>Mycotoxin Research</i> , 2009, 25, 41-52.	1.3	33
117	Shiga Toxin Glycosphingolipid Receptors in Human Caco-2 and HCT-8 Colon Epithelial Cell Lines. <i>Toxins</i> , 2017, 9, 338.	1.5	33
118	Use of the pig caecum model to mimic the human intestinal metabolism of hispidulin and related compounds. <i>Molecular Nutrition and Food Research</i> , 2006, 50, 78-86.	1.5	32
119	Analysis of Sphingomyelin in Meat Based on Hydrophilic Interaction Liquid Chromatography Coupled to Electrospray Ionization-Tandem Mass Spectrometry (HILIC-HPLC-ESI-MS/MS). <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 9469-9474.	2.4	32
120	Ricinoleic Acid as a Marker for Ergot Impurities in Rye and Rye Products. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 4223-4229.	2.4	32
121	Complex Flavonoids in Cocoa: Synthesis and Degradation by Intestinal Microbiota. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 8879-8886.	2.4	32
122	New <i>Monascus</i> metabolites: Structure elucidation and toxicological properties studied with immortalized human kidney epithelial cells. <i>Molecular Nutrition and Food Research</i> , 2006, 50, 314-321.	1.5	31
123	Urinary excretion and metabolism of procyanidins in pigs. <i>Molecular Nutrition and Food Research</i> , 2012, 56, 653-665.	1.5	31
124	The food contaminant and nephrotoxin ochratoxin A enhances Wnt1 inducible signaling protein 1 and tumor necrosis factor- α expression in human primary proximal tubule cells. <i>Molecular Nutrition and Food Research</i> , 2012, 56, 1375-1384.	1.5	31
125	Short-term biomarkers of apple consumption. <i>Molecular Nutrition and Food Research</i> , 2017, 61, 1600629.	1.5	31
126	Shiga toxin glycosphingolipid receptors and their lipid membrane ensemble in primary human blood-brain barrier endothelial cells. <i>Glycobiology</i> , 2017, 27, 99-109.	1.3	31

#	ARTICLE	IF	CITATIONS
127	Structural Profiling and Quantitation of Glycosyl Inositol Phosphoceramides in Plants with Fourier Transform Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 4257-4269.	2.4	30
128	Shiga toxin glycosphingolipid receptors of Vero-B4 kidney epithelial cells and their membrane microdomain lipid environment. <i>Journal of Lipid Research</i> , 2015, 56, 2322-2336.	2.0	30
129	Analysis of Fusarium toxins via HPLC-MS/MS multimethods: matrix effects and strategies for compensation. <i>Mycotoxin Research</i> , 2009, 25, 201-213.	1.3	29
130	Synthesis, Characterization, and Metabolism Studies of Fluspidine Enantiomers. <i>ChemMedChem</i> , 2013, 8, 2047-2056.	1.6	29
131	Synergistic action of the nephrotoxic mycotoxins ochratoxin A and citrinin at nanomolar concentrations in human proximal tubule-derived cells. <i>Toxicology Letters</i> , 2018, 291, 149-157.	0.4	29
132	Exciton-coupled circular dichroism (ECCD) in acyclic hydroxylated dienes: A sensitive method for the direct stereochemical assignment of lipoxygenase products. <i>Chirality</i> , 1997, 9, 563-567.	1.3	28
133	Synthesis of Optically Active \pm -Hydroxy Acids by Kinetic Resolution Through Lipase-Catalyzed Enantioselective Acetylation. <i>European Journal of Organic Chemistry</i> , 1998, 1998, 2013-2018.	1.2	28
134	Identification and characterization of the ergochrome gene cluster in the plant pathogenic fungus <i>Claviceps purpurea</i> . <i>Fungal Biology and Biotechnology</i> , 2016, 3, 2.	2.5	28
135	Enniatin B and ochratoxin A in the blood serum of workers from the waste management setting. <i>Mycotoxin Research</i> , 2018, 34, 85-90.	1.3	28
136	Effects of a <i>Fusarium</i> toxin-contaminated triticale, either untreated or treated with sodium metabisulphite ($\text{Na}_2\text{S}_2\text{O}_5$, SBS), on weaned piglets with a special focus on liver function as determined by the ^{13}C -methacetin breath test. <i>Archives of Animal Nutrition</i> , 2008, 62, 263-286.	0.9	27
137	Cytotoxicity and Fluorescence Visualization of Ergot Alkaloids in Human Cell Lines. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 462-471.	2.4	27
138	Genetic engineering, high resolution mass spectrometry and nuclear magnetic resonance spectroscopy elucidate the bikaverin biosynthetic pathway in <i>Fusarium fujikuroi</i> . <i>Fungal Genetics and Biology</i> , 2015, 84, 26-36.	0.9	27
139	Detection and Quantitative Analysis of the Non-cytotoxic <i>allo</i> -Tenuazonic Acid in Tomato Products by Stable Isotope Dilution HPLC-MS/MS. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 10879-10884.	2.4	27
140	Determination of Exposure to the <i>Alternaria</i> Mycotoxin Tenuazonic Acid and Its Isomer <i>allo</i> -Tenuazonic Acid in a German Population by Stable Isotope Dilution HPLC-MS ³ . <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 6641-6647.	2.4	27
141	Allylic and Homoallylic CD Exciton Chirality: A Sensitive Method for Determining the Absolute Stereochemistry of Natural Products. <i>Journal of Organic Chemistry</i> , 1995, 60, 3539-3542.	1.7	26
142	Identification and Apoptotic Potential of T-2 Toxin Metabolites in Human Cells. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 5676-5684.	2.4	26
143	Large scale purification of B-type fumonisins using centrifugal partition chromatography (CPC). <i>Mycotoxin Research</i> , 2012, 28, 37-43.	1.3	26
144	In vivo formation of N-acyl-fumonisin B1. <i>Mycotoxin Research</i> , 2015, 31, 33-40.	1.3	26

#	ARTICLE	IF	CITATIONS
145	The global regulator <i>FfSge</i> 1 is required for expression of secondary metabolite gene clusters but not for pathogenicity in <i>Fusarium fujikuroi</i> . <i>Environmental Microbiology</i> , 2015, 17, 2690-2708.	1.8	26
146	Determination of T-2 toxin, HT-2 toxin, and three other type A trichothecenes in layer feed by high-performance liquid chromatography-tandem mass spectrometry (LC-MS/MS) – comparison of two sample preparation methods. <i>Mycotoxin Research</i> , 2016, 32, 89-97.	1.3	26
147	3-Hydroxy-5,6-epoxy- β -ionol β -D-glucopyranoside and 3-hydroxy-7,8-dihydro- β -ionol β -D-glucopyranoside: New C13 norisoprenoid glucoconjugates from sloe tree (<i>Prunus spinosa</i> L.) leaves. <i>Journal of Agricultural and Food Chemistry</i> , 1992, 40, 1898-1901.	2.4	25
148	Analysis of the <i>Fusarium</i> Mycotoxin Moniliformin in Cereal Samples Using ¹³ C ₂ -Moniliformin and High-Resolution Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 3586-3591.	2.4	25
149	Intestinal Formation of N-Nitroso Compounds in the Pig Cecum Model. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 998-1005.	2.4	25
150	Occurrence of the Ochratoxin A Degradation Product 2 α -Ochratoxin A in Coffee and Other Food: An Update. <i>Toxins</i> , 2019, 11, 329.	1.5	25
151	Effects of manganese and arsenic species on the level of energy related nucleotides in human cells. <i>Metallomics</i> , 2012, 4, 297.	1.0	24
152	Intestinal metabolism of T-2 toxin in the pig cecum model. <i>Mycotoxin Research</i> , 2012, 28, 191-198.	1.3	24
153	Transepithelial Permeability Studies of Flavan-3-ol-C-glucosides and Procyanidin Dimers and Trimers across the Caco-2 Cell Monolayer. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 7932-7940.	2.4	24
154	Identification of a novel lncRNA induced by the nephrotoxin ochratoxin A and expressed in human renal tumor tissue. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 2241-2256.	2.4	24
155	Interaction of Ochratoxin A and Its Thermal Degradation Product 2 α -Ochratoxin A with Human Serum Albumin. <i>Toxins</i> , 2018, 10, 256.	1.5	24
156	3,4-Dihydroxy-7,8-dihydro- β -ionone β -D-glucopyranoside: natural precursor of 2,2,6,8-tetramethyl-7,11-dioxatricyclo[6.2.1.0 ^{1,6}]undec-4-ene (Riesling acetal) and 1,1,6-trimethyl-1,2-dihydronaphthalene in red currant (<i>Ribes rubrum</i> L.) leaves. <i>Journal of Agricultural and Food Chemistry</i> , 1991, 39, 1833-1835.	2.4	23
157	Determination of deoxynivalenol-sulfonate (DONS) in cereals by hydrophilic interaction chromatography coupled to tandem mass spectrometry. <i>Mycotoxin Research</i> , 2010, 26, 109-117.	1.3	23
158	Modulation of the Nrf2 signalling pathway in Hct116 colon carcinoma cells by baicalein and its methylated derivative negletein. <i>Pharmaceutical Biology</i> , 2016, 54, 1491-1502.	1.3	23
159	Thermal stability of T-2 and HT-2 toxins during biscuit- and crunchy muesli-making and roasting. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2018, 35, 2158-2167.	1.1	23
160	Glucosylation of T-2 and HT-2 toxins using biotransformation and chemical synthesis: Preparation, stereochemistry, and stability. <i>Mycotoxin Research</i> , 2018, 34, 159-172.	1.3	22
161	Exploring Secondary Metabolite Profiles of <i>Stachybotrys</i> spp. by LC-MS/MS. <i>Toxins</i> , 2019, 11, 133.	1.5	22
162	Shiga toxin glycosphingolipid receptor expression and toxin susceptibility of human pancreatic ductal adenocarcinomas of differing origin and differentiation. <i>Biological Chemistry</i> , 2012, 393, 785-799.	1.2	21

#	ARTICLE	IF	CITATIONS
163	Colocalization of receptors for Shiga toxins with lipid rafts in primary human renal glomerular endothelial cells and influence of D-PDMP on synthesis and distribution of glycosphingolipid receptors. <i>Glycobiology</i> , 2017, 27, 947-965.	1.3	21
164	<i>Alternaria</i> toxins in South African sunflower seeds: cooperative study. <i>Mycotoxin Research</i> , 2017, 33, 309-321.	1.3	21
165	Influence of Environmental Factors on the Production of Penitrems A&F by <i>Penicillium crustosum</i> . <i>Toxins</i> , 2017, 9, 210.	1.5	21
166	Acylated 1 <i>H</i> -1,2,4-Triazol-5-amines Targeting Human Coagulation Factor Xlla and Thrombin: Conventional and Microscale Synthesis, Anticoagulant Properties, and Mechanism of Action. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 13159-13186.	2.9	21
167	Microscale Determination of the Absolute Configuration of $\hat{\pm}$ -Aryl-Substituted Alcohols by the CD Exciton Chirality Method. <i>Journal of Organic Chemistry</i> , 2000, 65, 186-190.	1.7	20
168	Systemic absorption and metabolism of dietary procyanidin B4 in pigs. <i>Molecular Nutrition and Food Research</i> , 2014, 58, 2261-2273.	1.5	20
169	Impact of Mechanical and Thermal Energies on the Degradation of T-2 and HT-2 Toxins during Extrusion Cooking of Oat Flour. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 4177-4183.	2.4	20
170	A new exciton-coupled circular dichroism method for assigning the absolute configuration in acyclic $\hat{\pm}$ - and $\hat{2}$ -hydroxy carboxylic acids. <i>Tetrahedron: Asymmetry</i> , 1997, 8, 11-14.	1.8	19
171	A New One-Step Strategy for the Stereochemical Assignment of Acyclic 2- and 3-Sulfanyl-1-alkanols Using the CD Exciton Chirality Method. <i>Journal of Organic Chemistry</i> , 2001, 66, 8160-8164.	1.7	19
172	Uncommon membrane distribution of Shiga toxin glycosphingolipid receptors in toxin-sensitive human glomerular microvascular endothelial cells. <i>Biological Chemistry</i> , 2012, 393, 133-147.	1.2	19
173	Transport of enniatin B and enniatin B1 across the blood-brain barrier and hints for neurotoxic effects in cerebral cells. <i>PLoS ONE</i> , 2018, 13, e0197406.	1.1	19
174	Identification of potential human urinary biomarkers for tomato juice intake by mass spectrometry-based metabolomics. <i>European Journal of Nutrition</i> , 2020, 59, 685-697.	1.8	19
175	Assigning the absolute configuration of fumonisins by the circular dichroism exciton chirality method. <i>Tetrahedron: Asymmetry</i> , 1998, 9, 1549-1556.	1.8	18
176	Investigations on the kinetics of the concentration of deoxynivalenol (DON) and on spoilage by moulds and yeasts of wheat grain preserved with sodium metabisulfite (Na ₂ S ₂ O ₅ , SBS) and propionic acid at various moisture contents. <i>Archives of Animal Nutrition</i> , 2010, 64, 190-203.	0.9	18
177	New Approach via Gene Knockout and Single-Step Chemical Reaction for the Synthesis of Isotopically Labeled Fusarin C as an Internal Standard for the Analysis of this Fusarium Mycotoxin in Food and Feed Samples. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 8350-8355.	2.4	18
178	Analysis of ochratoxin A in dried blood spots – Correlation between venous and finger-prick blood, the influence of hematocrit and spotted volume. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1020, 158-164.	1.2	18
179	Identification of ochratoxin-N-acetyl-L-cysteine as a new ochratoxin A metabolite and potential biomarker in human urine. <i>Mycotoxin Research</i> , 2020, 36, 1-10.	1.3	18
180	Sphingomyelin and phosphatidylcholine contrarily affect the induction of apoptosis in intestinal epithelial cells. <i>Molecular Nutrition and Food Research</i> , 2014, 58, 782-798.	1.5	17

#	ARTICLE	IF	CITATIONS
181	Detection of the Cytotoxic Penitremes A-F in Cheese from the European Single Market by HPLC-MS/MS. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 1264-1269.	2.4	17
182	Synthesis of stable isotope labeled 3-acetyldeoxynivalenol. <i>Molecular Nutrition and Food Research</i> , 2005, 49, 1151-1153.	1.5	16
183	Stachybotrychromenes C: novel cytotoxic meroterpenoids from <i>Stachybotrys</i> sp.. <i>Mycotoxin Research</i> , 2018, 34, 179-185.	1.3	16
184	Intestinal Metabolism of α - and β -Glucosylated Modified Mycotoxins T-2 and HT-2 Toxin in the Pig Cecum Model. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 5455-5461.	2.4	16
185	Flavanol glycosides Preparation and model experiments mimicking their human intestinal transit. <i>Molecular Nutrition and Food Research</i> , 2010, 54, 1546-1555.	1.5	15
186	Distribution of ergot alkaloids and ricinoleic acid in different milling fractions. <i>Mycotoxin Research</i> , 2011, 27, 13-21.	1.3	15
187	2,4- and 2,5-Disubstituted Arylthiazoles: Rapid Synthesis by C-H Coupling and Biological Evaluation. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 3387-3394.	1.2	15
188	Auranthine, a Benzodiazepinone from <i>Penicillium aurantiogriseum</i> : Refined Structure, Absolute Configuration, and Cytotoxicity. <i>Journal of Natural Products</i> , 2018, 81, 2177-2186.	1.5	15
189	Mass Spectrometry-Based Analysis of Urinary Biomarkers for Dietary Tomato Intake. <i>Molecular Nutrition and Food Research</i> , 2020, 64, e2000011.	1.5	15
190	Subcellular spatio-temporal intravital kinetics of aflatoxin B1 and ochratoxin A in liver and kidney. <i>Archives of Toxicology</i> , 2021, 95, 2163-2177.	1.9	15
191	Configurational assignment of optically active hydroperoxy homoallylic alcohols and the corresponding diols by circular dichroism and multidimensional gas chromatography. <i>Chirality</i> , 1997, 9, 69-74.	1.3	14
192	Synthesis and Pharmacological Evaluation of SNC80 Analogues with a Bridged Piperazine Ring. <i>ChemMedChem</i> , 2009, 4, 2111-2122.	1.6	14
193	In vitro Metabolism of Grandisin, a Lignan with Anti-chagasic Activity. <i>Planta Medica</i> , 2012, 78, 1939-1941.	0.7	14
194	Transcription Factor FOXO3a Is a Negative Regulator of Cytotoxicity of Fusarium mycotoxin in GES-1 Cells. <i>Toxicological Sciences</i> , 2018, 166, 370-381.	1.4	14
195	Human Study on the Kinetics of ^{18}O -Ochratoxin A in the Blood of Coffee Drinkers. <i>Molecular Nutrition and Food Research</i> , 2019, 63, e1801026.	1.5	14
196	Effect of ochratoxin A on cell survival and collagen homeostasis in human mesangial cells in primary culture. <i>Food and Chemical Toxicology</i> , 2009, 47, 209-213.	1.8	13
197	Investigation of the Metabolism of Ergot Alkaloids in Cell Culture by Fourier Transformation Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 7798-7807.	2.4	13
198	Stable Isotope Dilution Analysis of Small Molecules with Carboxylic Acid Functions Using ^{18}O Labeling for HPLC-ESI-MS/MS: Analysis of Fumonisin B ₁ . <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 7904-7908.	2.4	13

#	ARTICLE	IF	CITATIONS
199	A systematic investigation of the fragmentation pattern of two furanoheliangolide C ₈ stereoisomers using electrospray ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 723-730.	0.7	13
200	Matrix-assisted laser desorption/ionization time-of-flight mass spectrometry imaging of ochratoxin A and fumonisins in mold-infected food. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 2508-2516.	0.7	13
201	A Fungal N-Dimethylallyltryptophan Metabolite from <i>Fusarium fujikuroi</i> . <i>ChemBioChem</i> , 2017, 18, 899-904.	1.3	13
202	Identification of the polyketide synthase PKS7 responsible for the production of lecanoric acid and ethyl lecanorate in <i>Claviceps purpurea</i> . <i>Fungal Genetics and Biology</i> , 2020, 145, 103481.	0.9	13
203	Identification of main influencing factors on the protein corona composition of PLGA and PLA nanoparticles. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2021, 163, 212-222.	2.0	13
204	Determination of Urinary Mycotoxin Biomarkers Using a Sensitive Online Solid Phase Extraction-UHPLC-MS/MS Method. <i>Toxins</i> , 2021, 13, 418.	1.5	13
205	Biosynthesis of Fusapyrone Depends on the H3K9 Methyltransferase, FmKmt1, in <i>Fusarium mangiferae</i> . <i>Frontiers in Fungal Biology</i> , 2021, 2, .	0.9	13
206	Fusarins and Fusaric Acid in <i>Fusaria</i> . <i>Fungal Biology</i> , 2014, , 239-262.	0.3	12
207	In vitro metabolism studies of erythraline, the major spiroalkaloid from <i>Erythrina verna</i> . <i>BMC Complementary and Alternative Medicine</i> , 2014, 14, 61.	3.7	12
208	Structure-activity relationship of ochratoxin A and synthesized derivatives: importance of amino acid and halogen moiety for cytotoxicity. <i>Archives of Toxicology</i> , 2017, 91, 1461-1471.	1.9	12
209	Dried urine spots as sampling technique for multi-mycotoxin analysis in human urine. <i>Mycotoxin Research</i> , 2021, 37, 129-140.	1.3	12
210	Contribution to the ongoing discussion on fluoride toxicity. <i>Archives of Toxicology</i> , 2021, 95, 2571-2587.	1.9	12
211	Detection of Mycotoxins in Highly Matrix-Loaded House-Dust Samples by QTOF-HRMS, IM-QTOF-HRMS, and TQMS: Advantages and Disadvantages. <i>Analytical Chemistry</i> , 2022, 94, 4209-4217.	3.2	12
212	2-Naphthol as a powerful chromophore for the configurational assignment of carboxylic acid groups via the CD exciton chirality method. <i>Tetrahedron: Asymmetry</i> , 2000, 11, 1741-1747.	1.8	11
213	Binding of ATP to nerve growth factor: Characterization and relevance for bioactivity. <i>Neurochemistry International</i> , 2010, 56, 276-284.	1.9	11
214	Enantioselective γ receptor binding and biotransformation of the spirocyclic PET tracer 1-(3-benzyl-3-(3-fluoropropyl)-spiro[[2]benzofuran-4,4'-piperidine]). <i>Chirality</i> , 2011, 23, 148-154.	1.3	11
215	Interaction of Dihydrocitrinone with Native and Chemically Modified Cyclodextrins. <i>Molecules</i> , 2019, 24, 1328.	1.7	11
216	Can the presence of additives result in false positive errors for microplastics in infant feeding bottles?. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2022, 39, 185-197.	1.1	11

#	ARTICLE	IF	CITATIONS
217	Mycotoxins in Serum and 24h Urine of Vegans and Omnivores from the Risks and Benefits of a Vegan Diet (RBVD) Study. <i>Molecular Nutrition and Food Research</i> , 2022, 66, e2100874.	1.5	11
218	The configurational assignment of the optically active 5-(1-hydroxy-2-propoxyethyl)-3-ethoxycarbonyl-2-methylfuran and its alcohol by exciton-coupled circular dichroism (ECCD). <i>Tetrahedron: Asymmetry</i> , 1997, 8, 3555-3558.	1.8	10
219	Large-scale total synthesis of ¹³ C-labeled citrinin and its metabolite dihydrocitrinone. <i>Mycotoxin Research</i> , 2018, 34, 141-150.	1.3	10
220	Interaction of ² R-ochratoxin A with Serum Albumins: Binding Site, Effects of Site Markers, Thermodynamics, Species Differences of Albumin-binding, and Influence of Albumin on Its Toxicity in MDCK Cells. <i>Toxins</i> , 2018, 10, 353.	1.5	10
221	Structural Insights into Escherichia coli Shiga Toxin (Stx) Glycosphingolipid Receptors of Porcine Renal Epithelial Cells and Inhibition of Stx-Mediated Cellular Injury Using Neoglycolipid-Spiked Glycovesicles. <i>Microorganisms</i> , 2019, 7, 582.	1.6	10
222	Absolute Stereochemistry of Natural 3,4-Dihydroxy- ² -ionone Glycosides by the Cd Exciton Chirality Method. <i>Journal of Natural Products</i> , 1994, 57, 1762-1765.	1.5	9
223	1-Naphthoic acid: A new type of asymmetric chromophore for exciton-coupled circular dichroism (ECCD). <i>Tetrahedron: Asymmetry</i> , 1996, 7, 1543-1546.	1.8	9
224	Systematic Approach for Structure Elucidation of Polyphenolic Compounds Using a Bottom-up Approach Combining Ion Trap Experiments and Accurate Mass Measurements. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 11274-11282.	2.4	9
225	Isolation and structure elucidation of two new cytotoxic metabolites from red yeast rice. <i>Natural Product Research</i> , 2012, 26, 1914-1921.	1.0	9
226	Toxicity of arsenite and thio-DMA ^V after long-term (21 days) incubation of human urothelial cells: cytotoxicity, genotoxicity and epigenetics. <i>Toxicology Research</i> , 2014, 3, 456-464.	0.9	9
227	Localization of ergot alkaloids in sclerotia of <i>Claviceps purpurea</i> by matrix-assisted laser desorption/ionization mass spectrometry imaging. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 1221-1230.	1.9	9
228	In vitro biosynthesis of 3-mercaptolactate by lactate dehydrogenases. <i>Enzyme and Microbial Technology</i> , 2018, 108, 1-10.	1.6	9
229	Immunochemical Analysis of Paxilline and Ergot Alkaloid Mycotoxins in Grass Seeds and Plants. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 315-322.	2.4	9
230	Matrix binding of T-2 toxin: structure elucidation of reaction products and indications on the fate of a relevant food-borne toxin during heating. <i>Mycotoxin Research</i> , 2019, 35, 261-270.	1.3	9
231	Detection of Novel Cytotoxic Imidazole Alkaloids in Tomato Products by LC-MS/MS. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 3670-3678.	2.4	9
232	Artificial vs natural <i>Stachybotrys</i> infestation – Comparison of mycotoxin production on various building materials. <i>Indoor Air</i> , 2020, 30, 1268-1282.	2.0	9
233	Efflux at the Blood-Brain Barrier Reduces the Cerebral Exposure to Ochratoxin A, Ochratoxin ¹ , Citrinin and Dihydrocitrinone. <i>Toxins</i> , 2021, 13, 327.	1.5	9
234	Chemoenzymatic synthesis of 2,6-disubstituted tetrahydropyrans with high ¹ receptor affinity, antitumor and analgesic activity. <i>European Journal of Medicinal Chemistry</i> , 2021, 219, 113443.	2.6	9

#	ARTICLE	IF	CITATIONS
235	The Epipolythiodiketopiperazine Gene Cluster in <i>Claviceps purpurea</i> : Dysfunctional Cytochrome P450 Enzyme Prevents Formation of the Previously Unknown Clapurines. <i>PLoS ONE</i> , 2016, 11, e0158945.	1.1	9
236	Assessment of multiple mycotoxin exposure and its association with food consumption: a human biomonitoring study in a pregnant cohort in rural Bangladesh. <i>Archives of Toxicology</i> , 2022, 96, 2123-2138.	1.9	9
237	Combined Synthetic/CD Strategy for the Stereochemical Assignment of the Tricarballic Acid Side Chains of Fumonisin B1. <i>Journal of Organic Chemistry</i> , 2001, 66, 3678-3681.	1.7	8
238	New Applications of the CD Exciton Chirality Method. Stereochemical Assignment of Organic Compounds Containing Carboxylic Acid Groups. <i>Monatshefte für Chemie</i> , 2005, 136, 397-410.	0.9	8
239	Real-time interaction analysis of Shiga toxins and membrane microdomains of primary human brain microvascular endothelial cells. <i>Glycobiology</i> , 2019, 30, 174-185.	1.3	8
240	Large-Scale Screening of Foods for Glucose-Derived β -Carboline Alkaloids by Stable Isotope Dilution LC-MS/MS. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 3890-3899.	2.4	8
241	Interaction of the mycotoxin metabolite dihydrocitrinone with serum albumin. <i>Mycotoxin Research</i> , 2019, 35, 129-139.	1.3	8
242	Identification of Novel Iso-Esculeoside B from Tomato Fruits and LC-MS/MS-Based Food Screening for Major Dietary Steroidal Alkaloids Focused on Esculeosides. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 14492-14501.	2.4	8
243	Insights into Ergochromes of the Plant Pathogen <i>Claviceps purpurea</i> . <i>Journal of Natural Products</i> , 2021, 84, 2630-2643.	1.5	8
244	Absolute configuration of 3-hydroxy acids formed by <i>Stenotrophomonas maltophilia</i> : Application of multidimensional gas chromatography and circular dichroism spectroscopy. <i>Chirality</i> , 2002, 14, 51-58.	1.3	7
245	A Novel Role of IGF1 in Apo2L/TRAIL-Mediated Apoptosis of Ewing Tumor Cells. <i>Sarcoma</i> , 2012, 2012, 1-14.	0.7	7
246	Metabolomics Study on Pathogenic and Non-pathogenic <i>E. coli</i> with Closely Related Genomes with a Focus on Yersiniabactin and Its Known and Novel Derivatives. <i>Metabolites</i> , 2020, 10, 221.	1.3	7
247	Urinary Biomarkers for Orange Juice Consumption. <i>Molecular Nutrition and Food Research</i> , 2021, 65, e2000781.	1.5	7
248	Novel β 1 antagonists designed for tumor therapy: Structure-activity relationships of aminoethyl substituted cyclohexanes. <i>European Journal of Medicinal Chemistry</i> , 2021, 210, 112950.	2.6	7
249	Shiga Toxin (Stx)-Binding Glycosphingolipids of Primary Human Renal Cortical Epithelial Cells (pHRCEpiCs) and Stx-Mediated Cytotoxicity. <i>Toxins</i> , 2021, 13, 139.	1.5	7
250	Determination of particle abrasion through milling with five different salt grinders – a preliminary study by micro-Raman spectroscopy with efforts towards improved quality control of the analytical methods. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2020, 37, 1238-1252.	1.1	7
251	Identification of Potential Urinary Biomarkers for Bell Pepper Intake by HPLC-MS/MS-Based Metabolomics and Structure Elucidation by NMR. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 13644-13656.	2.4	7
252	In Vitro Metabolism of Helenalin Acetate and 11 β ,13-Dihydrohelenalin Acetate: Natural Sesquiterpene Lactones from Arnica. <i>Metabolites</i> , 2022, 12, 88.	1.3	7

#	ARTICLE	IF	CITATIONS
253	Acetonitrile: the better extractant for the determination of T-2 and HT-2 toxin in cereals using an immunoaffinity-based cleanup?. <i>European Food Research and Technology</i> , 2009, 228, 519-529.	1.6	6
254	Electrochemical simulation of metabolic reactions of the secondary fungal metabolites alternariol and alternariol methyl ether. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 2471-2483.	1.9	6
255	Primary Human Renal Proximal Tubular Epithelial Cells (pHRPTEpiCs): Shiga Toxin (Stx) Glycosphingolipid Receptors, Stx Susceptibility, and Interaction with Membrane Microdomains. <i>Toxins</i> , 2021, 13, 529.	1.5	6
256	Metabolic conjugation reduces in vitro toxicity of the flavonoid nevadensin. <i>Food and Chemical Toxicology</i> , 2022, 164, 113006.	1.8	6
257	Release of Small Phenolic Metabolites from Isotopically Labeled ¹³ C Lignin in the Pig Cecum Model. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 8317-8325.	2.4	6
258	Molecular nutrition research - a multidisciplinary challenge. <i>Molecular Nutrition and Food Research</i> , 2009, 53, 5-6.	1.5	5
259	H ₂ Unimolecular Elimination in Electrospray Ionization Mass Spectrometry from Erythraline, a Spirocyclic Alkaloid. <i>European Journal of Mass Spectrometry</i> , 2013, 19, 345-350.	0.5	5
260	Advancements in the chemical structures of Ergot acyl glycerides by high performances liquid chromatography coupled with high resolution mass spectrometry. <i>Microchemical Journal</i> , 2018, 141, 229-239.	2.3	5
261	Identification of a novel N-caprylhistamine- β -D-glucoside from tomato fruits and LC-MS/MS-based food screening for imidazole alkaloids. <i>Food Chemistry</i> , 2020, 312, 126068.	4.2	5
262	Intestinal Absorption and Metabolism of the Tomato Imidazole Alkaloids <i>N</i> -Caprylhistamine- β -D-glucoside and <i>N</i> -Caprylhistamine. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 1562-1570.	2.4	5
263	Salivary nitrate/nitrite and acetaldehyde in humans: potential combination effects in the upper gastrointestinal tract and possible consequences for the in vivo formation of N-nitroso compounds—a hypothesis. <i>Archives of Toxicology</i> , 2022, 96, 1905-1914.	1.9	5
264	Permeability of dopamine D2 receptor agonist hordenine across the intestinal and blood-brain barrier in vitro. <i>PLoS ONE</i> , 2022, 17, e0269486.	1.1	5
265	Stable Isotope Labeled Mycotoxins as Standards for HPLC-MS/MS Analysis. <i>ACS Symposium Series</i> , 2010, , 265-276.	0.5	4
266	Comparison of points of departure between subchronic and chronic toxicity studies on food additives, food contaminants and natural food constituents. <i>Food and Chemical Toxicology</i> , 2020, 146, 111784.	1.8	4
267	Structural Identification and Quantification of Chlorinated Paraffins in Fish Samples Using Comprehensive Two-Dimensional Gas Chromatography with Negative Chemical Ionization Quadrupole Time-of-Flight Mass Spectrometry and Comparison to a Direct Injection “Atmospheric Pressure Chemical Ionization” Orbitrap/Mass Spectrometry Method. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 7150-7167.	2.4	4
268	Primary Human Colon Epithelial Cells (pHCoEpiCs) Do Express the Shiga Toxin (Stx) Receptor Glycosphingolipids Gb3Cer and Gb4Cer and Are Largely Refractory but Not Resistant towards Stx. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10002.	1.8	4
269	In Vitro Metabolism of Phenylspirodrimanes Derived from the Indoor Fungus <i>Stachybotrys</i> . <i>Toxins</i> , 2022, 14, 395.	1.5	4
270	Editorial: <i>Mol. Nutr. Food Res.</i> 1/2006. <i>Molecular Nutrition and Food Research</i> , 2006, 50, 1-1.	1.5	3

#	ARTICLE	IF	CITATIONS
271	Synthesis of Isotopically Labeled Fusarium Mycotoxin $\hat{A}^1\hat{A}^3C_2$ -Moniliformin [1-Hydroxycyclobut-1-ene-3,4-dione]. Synlett, 2011, 2011, 2242-2244.	1.0	3
272	Kunststoffpartikel sind $\hat{A}^1\hat{A}^4$ berall - auch in Lebensmitteln?. Nachrichten Aus Der Chemie, 2016, 64, 842-846.	0.0	3
273	Vitamin E - New Insights into Molecular Details. Molecular Nutrition and Food Research, 2005, 49, 1-1.	1.5	2
274	Development and applications of simultaneous immunochemical staining and serial detection of overlapping proteins in blotting procedures. Journal of Immunological Methods, 2012, 386, 70-77.	0.6	2
275	Obesity, Cancer and Nutrition, Gut Microbiota \hat{A}^6 Special Issues 2016. Molecular Nutrition and Food Research, 2016, 60, 5-6.	1.5	2
276	Applications of High-Performance Liquid Chromatography \hat{A}^6 Mass Spectrometry Techniques for the Analysis of Chemical Contaminants and Residues in Food. , 2017, , 51-66.		2
277	Natural Compounds Isolated from <i>Stachybotrys chartarum</i> Are Potent Inhibitors of Human Protein Kinase CK2. Molecules, 2021, 26, 4453.	1.7	2
278	Characterization of Oligomeric Proanthocyanidin-Enriched Fractions from <i>Aronia melanocarpa</i> (M \hat{A}^6 ichx \hat{A}^6 .) E \hat{A}^6 lliott \hat{A}^6 via High-Resolution Mass Spectrometry and Investigations on Their Inhibitory Potential on Human Topoisomerases. Journal of Agricultural and Food Chemistry, 2021, 69, 11053-11064.	2.4	2
279	Lebensmittelchemie 1999. Nachrichten Aus Der Chemie, 2000, 48, 355-358.	0.0	1
280	Food and Nutrition: Focus on the Molecular Level. Molecular Nutrition and Food Research, 2004, 48, 239-241.	1.5	1
281	High-throughput Assay for Quantification of Aminoglycoside \hat{A}^6 Ribosome Interaction. Chemistry Letters, 2016, 45, 1048-1050.	0.7	1
282	Hot Topics in 2017 \hat{A}^6 Gut Microbiota, Whole Grains and Health. Molecular Nutrition and Food Research, 2017, 61, 1770014.	1.5	1
283	Current and future perspectives of mycotoxin research \hat{A}^6 report from the 42nd Mycotoxin Workshop (Online conference). Mycotoxin Research, 2021, 37, 275-278.	1.3	1
284	Insights into the Modulation of Ceramide Metabolism by Naturally Occurring and Synthetic Sphingolipid Analogs as Monitored by Electrospray Tandem Mass Spectrometry. Molecular Biology Intelligence Unit, 2002, , 1-8.	0.2	1
285	Human Biomonitoring of Mycotoxins for the Detection of Nutritional, Environmental and Occupational Exposure. , 2017, , 191-212.		1
286	Govaniadine Evaluation of Cytotoxicity and Permeability in Cell Culture. Revista Brasileira De Farmacognosia, 2020, 30, 374-380.	0.6	1
287	From the laboratory bench to the lecture hall: latest findings from mycotoxin research presented at the 43rd Mycotoxin Workshop. Mycotoxin Research, 2022, 38, 163-165.	1.3	1
288	CD Spectroscopy as a Powerful Tool for the Stereochemical Assignment of Carotenoid-Derived Aroma Compounds. ACS Symposium Series, 2001, , 56-66.	0.5	0

#	ARTICLE	IF	CITATIONS
289	Molecular Nutrition & Food Research â€œ Past and Future Aspects. Molecular Nutrition and Food Research, 2007, 51, 5-5.	1.5	0
290	On with the trend â€œ Functionality. Molecular Nutrition and Food Research, 2008, 52, 5-6.	1.5	0
291	<i>Molecular Nutrition & Food Research</i> â€œ The journal's impact after 5 years. Molecular Nutrition and Food Research, 2010, 54, 5-5.	1.5	0
292	Virtuous medicine. Molecular Nutrition and Food Research, 2012, 56, 5-5.	1.5	0
293	Pferd oder Rind?. Nachrichten Aus Der Chemie, 2014, 62, 883-885.	0.0	0
294	Scoping dietary supplements <i>versus</i> botanical medicines. Molecular Nutrition and Food Research, 2015, 59, 5-6.	1.5	0