

# Hans-Ulrich Humpf

## List of Publications by Citations

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272  
papers

10,740  
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50  
h-index

91  
g-index

306  
ext. papers

12,896  
ext. citations

4.8  
avg, IF

6.37  
L-index

#	Paper	IF	Citations
272	Sharing and community curation of mass spectrometry data with Global Natural Products Social Molecular Networking. <i>Nature Biotechnology</i> , <b>2016</b> , 34, 828-837	44.5	1566
271	Analysis of microplastics in water by micro-Raman spectroscopy: Release of plastic particles from different packaging into mineral water. <i>Water Research</i> , <b>2018</b> , 129, 154-162	12.5	426
270	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> , <b>2013</b> , 9, e1003475	7.6	321
269	Metabolism of anthocyanins and their phenolic degradation products by the intestinal microflora. <i>Bioorganic and Medicinal Chemistry</i> , <b>2005</b> , 13, 5195-205	3.4	287
268	Proposal of a comprehensive definition of modified and other forms of mycotoxins including "masked" mycotoxins. <i>Mycotoxin Research</i> , <b>2014</b> , 30, 197-205	4	225
267	FfVel1 and FfLae1, components of a velvet-like complex in <i>Fusarium fujikuroi</i> , affect differentiation, secondary metabolism and virulence. <i>Molecular Microbiology</i> , <b>2010</b> , 77, 972-94	4.1	204
266	Biosynthesis of the red pigment bikaverin in <i>Fusarium fujikuroi</i> : genes, their function and regulation. <i>Molecular Microbiology</i> , <b>2009</b> , 72, 931-46	4.1	186
265	Effects of thermal food processing on the chemical structure and toxicity of fumonisin mycotoxins. <i>Molecular Nutrition and Food Research</i> , <b>2004</b> , 48, 255-69	5.9	143
264	Nitrate and nitrite in the diet: how to assess their benefit and risk for human health. <i>Molecular Nutrition and Food Research</i> , <b>2015</b> , 59, 106-28	5.9	140
263	Biosynthesis of fusarubins accounts for pigmentation of <i>Fusarium fujikuroi</i> perithecia. <i>Applied and Environmental Microbiology</i> , <b>2012</b> , 78, 4468-80	4.8	140
262	Acylation of naturally occurring and synthetic 1-deoxysphinganine by ceramide synthase. Formation of N-palmitoyl-aminopentol produces a toxic metabolite of hydrolyzed fumonisin, AP1, and a new category of ceramide synthase inhibitor. <i>Journal of Biological Chemistry</i> , <b>1998</b> , 273, 19060-4	5.4	124
261	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> , <b>2002</b> , 1585, 188-92	5	122
260	A prospective study of growth and biomarkers of exposure to aflatoxin and fumonisin during early childhood in Tanzania. <i>Environmental Health Perspectives</i> , <b>2015</b> , 123, 173-8	8.4	119
259	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> , <b>2014</b> , 62, 9428-35	5.7	119
258	Thermal degradation of the <i>Fusarium</i> mycotoxin deoxynivalenol. <i>Journal of Agricultural and Food Chemistry</i> , <b>2006</b> , 54, 6445-51	5.7	112
257	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> , <b>2015</b> , 31, 127-36	4	102
256	Analysis of fumonisin B(1) 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> , <b>2002</b> , 50, 2778-81	5.7	101

255	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> , <b>2013</b> , 61, 11986-94	5.7	94
254	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> , <b>2003</b> , 51, 5567-73	5.7	94
253	Determination of mycotoxin exposure in Germany using an LC-MS/MS multibiomarker approach. <i>Molecular Nutrition and Food Research</i> , <b>2014</b> , 58, 2358-68	5.9	92
252	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> , <b>2013</b> , 20, 1055-66		92
251	New monascus metabolite isolated from red yeast rice (angkak, red koji). <i>Journal of Agricultural and Food Chemistry</i> , <b>2002</b> , 50, 3999-4002	5.7	89
250	Association between tortilla consumption and human urinary fumonisin B1 levels in a Mexican population. <i>Cancer Epidemiology Biomarkers and Prevention</i> , <b>2008</b> , 17, 688-94	4	82
249	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> , <b>2005</b> , 53, 8904-10	5.7	81
248	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> , <b>2009</b> , 57, 8041-8	5.7	76
247	Differential cytotoxic actions of Shiga toxin 1 and Shiga toxin 2 on microvascular and macrovascular endothelial cells. <i>Thrombosis and Haemostasis</i> , <b>2011</b> , 105, 515-28	7	75
246	Bilberry ingestion improves disease activity in mild to moderate ulcerative colitis - an open pilot study. <i>Journal of Crohns and Colitis</i> , <b>2013</b> , 7, 271-9	1.5	74
245	Metabolism and cytotoxic effects of T-2 toxin and its metabolites on human cells in primary culture. <i>Toxicology</i> , <b>2009</b> , 258, 106-15	4.4	74
244	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> , <b>2008</b> , 56, 2281-90	5.7	74
243	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> , <b>2006</b> , 50, 261-9	5.9	74
242	Knock-down 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> , <b>2016</b> , 18, 4037-4054	5.2	73
241	Characterization of the fusaric acid gene cluster in <i>Fusarium fujikuroi</i> . <i>Applied Microbiology and Biotechnology</i> , <b>2014</b> , 98, 1749-62	5.7	70
240	Survey of <i>Alternaria</i> toxin contamination in food from the German market, using a rapid HPLC-MS/MS approach. <i>Mycotoxin Research</i> , <b>2016</b> , 32, 7-18	4	66
239	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> , <b>1997</b> , 62, 7841-7843	4.2	65
238	New monascus metabolites with a pyridine structure in red fermented rice. <i>Journal of Agricultural and Food Chemistry</i> , <b>2003</b> , 51, 5493-6	5.7	63

237	Identification and in vitro cytotoxicity of ochratoxin A degradation products formed during coffee roasting. <i>Journal of Agricultural and Food Chemistry</i> , <b>2008</b> , 56, 5673-81	5.7	62
236	Cytotoxicity and accumulation of ergot alkaloids in human primary cells. <i>Toxicology</i> , <b>2011</b> , 282, 112-21	4.4	61
235	Cytotoxicity, metabolism and cellular uptake of the mycotoxin deoxynivalenol in human proximal tubule cells and lung fibroblasts in primary culture. <i>Toxicology</i> , <b>2007</b> , 240, 48-59	4.4	60
234	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> , <b>2008</b> , 56, 4968-75	5.7	56
233	Hydrolyzed fumonisins HFB1 and HFB2 are acylated in vitro and in vivo by ceramide synthase to form cytotoxic N-acyl-metabolites. <i>Molecular Nutrition and Food Research</i> , <b>2007</b> , 51, 1120-30	5.9	56
232	A new approach using micro HPLC-MS/MS for multi-mycotoxin analysis in maize samples. <i>Mycotoxin Research</i> , <b>2015</b> , 31, 109-15	4	55
231	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> , <b>2013</b> , 8, e60484	3.7	55
230	Sphingomyelin induces cathepsin D-mediated apoptosis in intestinal epithelial cells and increases inflammation in DSS colitis. <i>Gut</i> , <b>2011</b> , 60, 55-65	19.2	55
229	Shiga toxin glycosphingolipid receptors in microvascular and macrovascular endothelial cells: differential association with membrane lipid raft microdomains. <i>Journal of Lipid Research</i> , <b>2011</b> , 52, 618-34	6.2	54
228	Column liquid chromatography-electrospray ionisation tandem mass spectrometry for the analysis of ochratoxin. <i>Journal of Chromatography A</i> , <b>1998</b> , 818, 260-264	4.5	54
227	Bound aroma compounds from the fruit and the leaves of blackberry ( <i>Rubus laciniata</i> L.). <i>Journal of Agricultural and Food Chemistry</i> , <b>1991</b> , 39, 1830-1832	5.7	54
226	A new approach in exciton-coupled circular dichroism (ECCD)--insertion of an auxiliary stereogenic center. <i>Chirality</i> , <b>1995</b> , 7, 128-35	2.1	51
225	The Sfp-type 4Rphosphopantetheinyl transferase Ppt1 of <i>Fusarium fujikuroi</i> controls development, secondary metabolism and pathogenicity. <i>PLoS ONE</i> , <b>2012</b> , 7, e37519	3.7	51
224	Effect of nanoparticle size and PEGylation on the protein corona of PLGA nanoparticles. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2019</b> , 141, 70-80	5.7	50
223	Fate of deoxynivalenol and deoxynivalenol-3-glucoside during cereal-based thermal food processing: a review study. <i>Mycotoxin Research</i> , <b>2017</b> , 33, 79-91	4	50
222	Vesicular stabilization and activity augmentation of enterohaemorrhagic <i>Escherichia coli</i> haemolysin. <i>Molecular Microbiology</i> , <b>2009</b> , 71, 1496-508	4.1	50
221	Synthesis of optically active alpha-methylene beta-lactams through lipase-catalyzed kinetic resolution. <i>Journal of Organic Chemistry</i> , <b>2000</b> , 65, 4919-22	4.2	50
220	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> , <b>2007</b> , 73, 6351-9	4.8	49

219	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> , <b>2014</b> , 9, e103336	3.7	48
218	Structure elucidation and antimalarial activity of apicidin F: an apicidin-like compound produced by <i>Fusarium fujikuroi</i> . <i>Journal of Natural Products</i> , <b>2013</b> , 76, 2136-40	4.9	46
217	Structural profiling and quantification of sphingomyelin in human breast milk by HPLC-MS/MS. <i>Journal of Agricultural and Food Chemistry</i> , <b>2011</b> , 59, 6018-24	5.7	46
216	Serum type and concentration both affect the protein-corona composition of PLGA nanoparticles. <i>Beilstein Journal of Nanotechnology</i> , <b>2019</b> , 10, 1002-1015	3	45
215	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> , <b>2016</b> , 18, 936-56	5.2	45
214	Aromatic hydroxylation is a major metabolic pathway of the mycotoxin zearalenone in vitro. <i>Molecular Nutrition and Food Research</i> , <b>2009</b> , 53, 1123-33	5.9	45
213	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> , <b>2013</b> , 8, e58185	3.7	44
212	Matrix binding of ochratoxin A during roasting. <i>Journal of Agricultural and Food Chemistry</i> , <b>2013</b> , 61, 12737-43	5.7	43
211	Effects of the mycotoxin deoxynivalenol on human primary hepatocytes. <i>Molecular Nutrition and Food Research</i> , <b>2008</b> , 52, 830-9	5.9	43
210	Biomonitoring using dried blood spots: detection of ochratoxin A and its degradation product 2R-ochratoxin A in blood from coffee drinkers. <i>Molecular Nutrition and Food Research</i> , <b>2015</b> , 59, 1837-43	5.9	42
209	Impact of physicochemical parameters on the decomposition of deoxynivalenol during extrusion cooking of wheat grits. <i>Journal of Agricultural and Food Chemistry</i> , <b>2011</b> , 59, 12480-5	5.7	42
208	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> , <b>2011</b> , 59, 10470-6	5.7	40
207	Comparative genomics of geographically distant <i>Fusarium fujikuroi</i> isolates revealed two distinct pathotypes correlating with secondary metabolite profiles. <i>PLoS Pathogens</i> , <b>2017</b> , 13, e1006670	7.6	39
206	Analysis of sphingolipids in potatoes ( <i>Solanum tuberosum</i> L.) and sweet potatoes ( <i>Ipomoea batatas</i> (L.) Lam.) by reversed phase high-performance liquid chromatography electrospray ionization tandem mass spectrometry (HPLC-ESI-MS/MS). <i>Molecular Nutrition and Food Research</i> , <b>2006</b> , 50, 1201-11	5.9	39
205	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> , <b>2015</b> , 78, 1809-15	4.9	38
204	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> , <b>2013</b> , 61, 9148-54	5.7	38
203	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> , <b>2012</b> , 60, 749-57	5.7	38
202	Stable isotope dilution analysis of the fusarium mycotoxin zearalenone. <i>Journal of Agricultural and Food Chemistry</i> , <b>2007</b> , 55, 8353-8	5.7	38

201	Stable isotope dilution analysis of the Fusarium mycotoxins deoxynivalenol and 3-acetyldeoxynivalenol. <i>Molecular Nutrition and Food Research</i> , <b>2006</b> , 50, 251-60	5.9	38
200	In vitro toxicological characterisation of the S-containing arsenic metabolites thio-dimethylarsinic acid and dimethylarsinic glutathione. <i>Toxicology</i> , <b>2013</b> , 305, 109-19	4.4	37
199	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> , <b>2012</b> , 60, 10170-8	5.7	37
198	Large-scale synthesis of isotopically labeled <sup>13</sup> C <sub>2</sub> -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> , <b>2013</b> , 61, 114-20	5.7	37
197	Hydroxylation of Carboxylic Acids with Molecular Oxygen Catalyzed by the 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> , <b>1998</b> , 120, 11044-11048	16.4	37
196	Multi-mycotoxin analysis using dried blood spots and dried serum spots. <i>Analytical and Bioanalytical Chemistry</i> , <b>2017</b> , 409, 3369-3382	4.4	36
195	Total synthesis and cytotoxicity evaluation of all ochratoxin A stereoisomers. <i>Bioorganic and Medicinal Chemistry</i> , <b>2010</b> , 18, 343-7	3.4	36
194	Structure elucidation and in vitro cytotoxicity of ochratoxin imide, a new degradation product of ochratoxin A. <i>Mycotoxin Research</i> , <b>2015</b> , 31, 83-90	4	35
193	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> , <b>2016</b> , 100, 5869-82	5.7	34
192	Identification of N-acyl-fumonisin B1 as new cytotoxic metabolites of fumonisin mycotoxins. <i>Molecular Nutrition and Food Research</i> , <b>2013</b> , 57, 516-22	5.9	34
191	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> , <b>2011</b> , 59, 10594-603	5.7	34
190	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> , <b>2020</b> , 94, 1375-1415	5.8	33
189	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> , <b>2016</b> , 18, 4282-4302	5.2	33
188	Blood-Brain Barrier Effects of the Fusarium Mycotoxins Deoxynivalenol, 3 Acetyldeoxynivalenol, and Moniliformin and Their Transfer to the Brain. <i>PLoS ONE</i> , <b>2015</b> , 10, e0143640	3.7	33
187	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> , <b>2012</b> , 60, 5497-505	5.7	33
186	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> , <b>2016</b> , 291, 27403-27420	5.4	32
185	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> , <b>2014</b> , 30, 171-86	4	32
184	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> , <b>2013</b> , 61, 2158-64	5.7	32



183	Lack of the COMPASS Component Ccl1 Reduces H3K4 Trimethylation Levels and Affects Transcription of Secondary Metabolite Genes in Two Plant-Pathogenic Species. <i>Frontiers in Microbiology</i> , <b>2016</b> , 7, 2144	5.7	32
182	Diagnosis of intoxications of piglets fed with Fusarium toxin-contaminated maize by the analysis of mycotoxin residues in serum, liquor and urine with LC-MS/MS. <i>Archives of Animal Nutrition</i> , <b>2014</b> , 68, 425-47	2.7	32
181	Structural elucidation and analysis of thermal degradation products of the Fusarium mycotoxin nivalenol. <i>Molecular Nutrition and Food Research</i> , <b>2005</b> , 49, 309-16	5.9	32
180	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> , <b>2014</b> , 9, e100256	3.7	32
179	The SAGA complex in the rice pathogen <i>Fusarium fujikuroi</i> : structure and functional characterization. <i>Molecular Microbiology</i> , <b>2016</b> , 102, 951-974	4.1	31
178	Wavelength-dependent degradation of ochratoxin and citrinin by light in vitro and in vivo and its implications on <i>Penicillium</i> . <i>Toxins</i> , <b>2012</b> , 4, 1535-51	4.9	31
177	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> , <b>2011</b> , 25, 2020-6	2.2	31
176	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> , <b>2009</b> , 25, 41-52	4	31
175	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> , <b>2016</b> , 64, 6219-27	5.7	31
174	Role of microRNA-29b in the ochratoxin A-induced enhanced collagen formation in human kidney cells. <i>Toxicology</i> , <b>2014</b> , 324, 116-22	4.4	30
173	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> , <b>2009</b> , 57, 1867-75	5.7	30
172	Cytotoxic and antimetabolic effects of N-containing <i>Monascus</i> metabolites studied using immortalized human kidney epithelial cells. <i>Molecular Nutrition and Food Research</i> , <b>2006</b> , 50, 406-12	5.9	30
171	Enantioselective epoxidation with chiral Mn(III)(salen) catalysts: kinetic resolution of aryl-substituted allylic alcohols. <i>Journal of Organic Chemistry</i> , <b>2001</b> , 66, 5796-800	4.2	30
170	Urinary excretion and metabolism of procyanidins in pigs. <i>Molecular Nutrition and Food Research</i> , <b>2012</b> , 56, 653-65	5.9	29
169	Complex flavonoids in cocoa: synthesis and degradation by intestinal microbiota. <i>Journal of Agricultural and Food Chemistry</i> , <b>2010</b> , 58, 8879-86	5.7	29
168	Metabolism of quercetin and rutin by the pig caecal microflora prepared by freeze-preservation. <i>Molecular Nutrition and Food Research</i> , <b>2006</b> , 50, 686-95	5.9	29
167	Long-term effects of ochratoxin A on fibrosis and cell death in human proximal tubule or fibroblast cells in primary culture. <i>Toxicology</i> , <b>2007</b> , 232, 57-67	4.4	28
166	Use of the pig caecum model to mimic the human intestinal metabolism of hispidulin and related compounds. <i>Molecular Nutrition and Food Research</i> , <b>2006</b> , 50, 78-86	5.9	28

165	Absolute Configurational Assignment of Acyclic Hydroxy Carboxylic Acids: A New Strategy in Exciton-Coupled Circular Dichroism. <i>Journal of Organic Chemistry</i> , <b>1998</b> , 63, 322-325	4.2	28
164	Evidence of ochratoxin A conjugates in urine samples from infants and adults. <i>Mycotoxin Research</i> , <b>2017</b> , 33, 39-47	4	27
163	Neurotoxic potential and cellular uptake of T-2 toxin in human astrocytes in primary culture. <i>Chemical Research in Toxicology</i> , <b>2013</b> , 26, 347-55	4	27
162	Exciton-coupled circular dichroism (ECCD) in acyclic hydroxylated dienes: A sensitive method for the direct stereochemical assignment of lipoxygenase products. <i>Chirality</i> , <b>1997</b> , 9, 563-567	2.1	27
161	Establishment of the Inducible Tet-On System for the Activation of the Silent Trichosetin Gene Cluster in <i>Fusarium fujikuroi</i> . <i>Toxins</i> , <b>2017</b> , 9,	4.9	26
160	The Food contaminant and nephrotoxin ochratoxin A enhances Wnt1 inducible signaling protein 1 and tumor necrosis factor- $\alpha$ expression in human primary proximal tubule cells. <i>Molecular Nutrition and Food Research</i> , <b>2012</b> , 56, 1375-84	5.9	26
159	Structural profiling and quantitation of glycosyl inositol phosphoceramides in plants with Fourier transform mass spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , <b>2013</b> , 61, 4257-69	5.7	26
158	Ricinoleic acid as a marker for ergot impurities in rye and rye products. <i>Journal of Agricultural and Food Chemistry</i> , <b>2010</b> , 58, 4223-9	5.7	26
157	Analysis of <i>Fusarium</i> toxins via HPLC-MS/MS multimethods: matrix effects and strategies for compensation. <i>Mycotoxin Research</i> , <b>2009</b> , 25, 201-13	4	26
156	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> , <b>2009</b> , 57, 9469-74	5.7	26
155	Effects of a <i>Fusarium</i> toxin-contaminated triticale, either untreated or treated with sodium metabisulphite (Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub> , SBS), on weaned piglets with a special focus on liver function as determined by the <sup>13</sup> C-methacetin breath test. <i>Archives of Animal Nutrition</i> , <b>2008</b> , 62, 263-86	2.7	26
154	Analysis of the <i>Fusarium</i> mycotoxin moniliformin in cereal samples using <sup>13</sup> C <sub>2</sub> -moniliformin and high-resolution mass spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , <b>2012</b> , 60, 3586-91	5.7	25
153	Permeability of ergot alkaloids across the blood-brain barrier in vitro and influence on the barrier integrity. <i>Molecular Nutrition and Food Research</i> , <b>2012</b> , 56, 475-85	5.9	25
152	Short-term biomarkers of apple consumption. <i>Molecular Nutrition and Food Research</i> , <b>2017</b> , 61, 1600629	5.9	24
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150	Synthesis, characterization, and metabolism studies of fluspidine enantiomers. <i>ChemMedChem</i> , <b>2013</b> , 8, 2047-56	3.7	24
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146	Shiga Toxin Glycosphingolipid Receptors in Human Caco-2 and HCT-8 Colon Epithelial Cell Lines. <i>Toxins</i> , <b>2017</b> , 9,	4.9	23
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25	Mycotoxins in Serum and 24-h Urine of Vegans and Omnivores from the Risks and Benefits of a Vegan Diet (RBVD) Study.. <i>Molecular Nutrition and Food Research</i> , <b>2022</b> , e2100874	5.9	2
24	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> , <b>2020</b> , 146, 111784	4.7	2
23	Identification of Novel -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> , <b>2020</b> , 68, 14492-14501	5.7	2
22	Efflux at the Blood-Brain Barrier Reduces the Cerebral Exposure to Ochratoxin A, Ochratoxin β Citrinin and Dihydrocitrinone. <i>Toxins</i> , <b>2021</b> , 13,	4.9	2

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20	Chemoenzymatic synthesis of 2,6-disubstituted tetrahydropyrans with high $\alpha$ -receptor affinity, antitumor and analgesic activity. <i>European Journal of Medicinal Chemistry</i> , <b>2021</b> , 219, 113443	6.8	2
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18	Dried urine spots as sampling technique for multi-mycotoxin analysis in human urine. <i>Mycotoxin Research</i> , <b>2021</b> , 37, 129-140	4	2
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14	Lebensmittelchemie 1999. <i>Nachrichten Aus Der Chemie</i> , <b>2000</b> , 48, 355-358	0.1	1
13	In Vitro Metabolism of Helenalin Acetate and 11 $\beta$ -3-Dihydrohelenalin Acetate: Natural Sesquiterpene Lactones from Arnica.. <i>Metabolites</i> , <b>2022</b> , 12,	5.6	1
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11	Insights into the Modulation of Ceramide Metabolism by Naturally Occurring and Synthetic Sphingolipid Analogs as Monitored by Electrospray Tandem Mass Spectrometry. <i>Molecular Biology Intelligence Unit</i> , <b>2002</b> , 1-8		1
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