

Rainer Schuhmacher

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/5994222/rainer-schuhmacher-publications-by-year.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

152
papers

8,083
citations

50
h-index

86
g-index

162
ext. papers

9,233
ext. citations

4.5
avg, IF

5.84
L-index

#	Paper	IF	Citations
152	A novel method combining stable isotopic labeling and high-resolution mass spectrometry to trace the quinone reaction products in wines.. <i>Food Chemistry</i> , 2022 , 383, 132448	8.5	0
151	Fungal Melanin Biosynthesis Pathway as Source for Fungal Toxins.. <i>MBio</i> , 2022 , e0021922	7.8	0
150	The Comprehensive and Reliable Detection of Secondary Metabolites in <i>Trichoderma reesei</i> : A Tool for the Discovery of Novel Substances. <i>Methods in Molecular Biology</i> , 2021 , 2234, 271-295	1.4	
149	Elucidation of xenoestrogen metabolism by non-targeted, stable isotope-assisted mass spectrometry in breast cancer cells. <i>Environment International</i> , 2021 , 158, 106940	12.9	1
148	<i>Trichoderma</i> spp. volatile organic compounds protect grapevine plants by activating defense-related processes against downy mildew. <i>Physiologia Plantarum</i> , 2021 , 172, 1950-1965	4.6	10
147	Ecological Role of Volatile Organic Compounds Emitted by as Interspecies and Interkingdom Signals. <i>Microorganisms</i> , 2021 , 9,	4.9	2
146	Characterisation of the Antibiotic Profile of AZ78, an Effective Biological Control Agent of Plant Pathogenic Microorganisms. <i>Microorganisms</i> , 2021 , 9,	4.9	3
145	Identification and Functional Characterization of the Gene Cluster Responsible for Fusaproliferin Biosynthesis in. <i>Toxins</i> , 2021 , 13,	4.9	4
144	Biogenic volatile organic compounds in the grapevine response to pathogens, beneficial microorganisms, resistance inducers and abiotic factors. <i>Journal of Experimental Botany</i> , 2021 ,	7	3
143	The TOR kinase pathway is relevant for nitrogen signaling and antagonism of the mycoparasite <i>Trichoderma atroviride</i> .. <i>PLoS ONE</i> , 2021 , 16, e0262180	3.7	1
142	Volatile-Mediated Inhibitory Activity of Rhizobacteria as a Result of Multiple Factors Interaction: The Case of AZ78. <i>Microorganisms</i> , 2020 , 8,	4.9	4
141	Enhanced Metabolome Coverage and Evaluation of Matrix Effects by the Use of Experimental-Condition-Matched C-Labeled Biological Samples in Isotope-Assisted LC-HRMS Metabolomics. <i>Metabolites</i> , 2020 , 10,	5.6	2
140	Stable Isotope-Assisted Metabolomics for Deciphering Xenobiotic Metabolism in Mammalian Cell Culture. <i>ACS Chemical Biology</i> , 2020 , 15, 970-981	4.9	13
139	Volatile Organic Compounds From AZ78 as Potential Candidates for Biological Control of Soilborne Plant Pathogens. <i>Frontiers in Microbiology</i> , 2020 , 11, 1748	5.7	13
138	Influence of Different Light Regimes on the Mycoparasitic Activity and 6-Pentyl- δ -pyrone Biosynthesis in Two Strains of. <i>Pathogens</i> , 2020 , 9,	4.5	6
137	The Lipoxygenase Lox1 Is Involved in Light- and Injury-Response, Conidiation, and Volatile Organic Compound Biosynthesis in the Mycoparasitic Fungus. <i>Frontiers in Microbiology</i> , 2020 , 11, 2004	5.7	8
136	Novel analytical methods to study the fate of mycotoxins during thermal food processing. <i>Analytical and Bioanalytical Chemistry</i> , 2020 , 412, 9-16	4.4	20

135	Preparation of uniformly labelled C- and N-plants using customised growth chambers. <i>Plant Methods</i> , 2020 , 16, 46	5.8	6
134	Biochemical Characterization of the Candidate ACC-Deaminases and Virulence Testing of Knockout Mutant Strains. <i>Frontiers in Plant Science</i> , 2019 , 10, 1072	6.2	6
133	YPR2 is a regulator of light modulated carbon and secondary metabolism in <i>Trichoderma reesei</i> . <i>BMC Genomics</i> , 2019 , 20, 211	4.5	17
132	Stable Isotope-Assisted Plant Metabolomics: Investigation of Phenylalanine-Related Metabolic Response in Wheat Upon Treatment With the Virulence Factor Deoxynivalenol. <i>Frontiers in Plant Science</i> , 2019 , 10, 1137	6.2	16
131	Stable Isotope-Assisted Plant Metabolomics: Combination of Global and Tracer-Based Labeling for Enhanced Untargeted Profiling and Compound Annotation. <i>Frontiers in Plant Science</i> , 2019 , 10, 1366	6.2	7
130	Volatiles from the Mandibular Gland Reservoir Content of <i>Laciny</i> and <i>Zettel</i> , 2018, Worker Ants (Hymenoptera: Formicidae). <i>Molecules</i> , 2019 , 24,	4.8	3
129	Tracing oxidation reaction pathways in wine using C isotopolog patterns and a putative compound database. <i>Analytica Chimica Acta</i> , 2019 , 1054, 74-83	6.6	11
128	Untargeted LC-MS based C labelling provides a full mass balance of deoxynivalenol and its degradation products formed during baking of crackers, biscuits and bread. <i>Food Chemistry</i> , 2019 , 279, 303-311	8.5	15
127	Polyphenolic profiling of roots (<i>Vitis</i> spp.) under grape phylloxera (<i>D. vitifoliae</i> Fitch) attack. <i>Plant Physiology and Biochemistry</i> , 2019 , 135, 174-181	5.4	9
126	Downy mildew symptoms on grapevines can be reduced by volatile organic compounds of resistant genotypes. <i>Scientific Reports</i> , 2018 , 8, 1618	4.9	24
125	Advanced LC-MS-based methods to study the co-occurrence and metabolization of multiple mycotoxins in cereals and cereal-based food. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 801-825	4.4	75
124	The contribution of lot-to-lot variation to the measurement uncertainty of an LC-MS-based multi-mycotoxin assay. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 4409-4418	4.4	24
123	Partially C-labeled mouse tissue as reference for LC-MS based untargeted metabolomics. <i>Analytical Biochemistry</i> , 2018 , 556, 63-69	3.1	3
122	The ripening disorder berry shrivel affects anthocyanin biosynthesis and sugar metabolism in Zweigelt grape berries. <i>Planta</i> , 2018 , 247, 471-481	4.7	9
121	A constitutive active allele of the transcription factor <i>Msn2</i> mimicking low PKA activity dictates metabolic remodeling in yeast. <i>Molecular Biology of the Cell</i> , 2018 , 29, 2848-2862	3.5	8
120	Isolation of Mandibular Gland Reservoir Contents from Bornean Exploding Ants (Formicidae) for Volatilome Analysis by GC-MS and Metabolite Detector. <i>Journal of Visualized Experiments</i> , 2018 ,	1.6	2
119	Transcription factor <i>Xpp1</i> is a switch between primary and secondary fungal metabolism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E560-E569	11.5	49
118	The Profile and Dynamics of RNA Modifications in Animals. <i>ChemBioChem</i> , 2017 , 18, 979-984	3.8	23

117	Methanol Generates Numerous Artifacts during Sample Extraction and Storage of Extracts in Metabolomics Research. <i>Metabolites</i> , 2017 , 8,	5.6	50
116	MetExtract II: A Software Suite for Stable Isotope-Assisted Untargeted Metabolomics. <i>Analytical Chemistry</i> , 2017 , 89, 9518-9526	7.8	45
115	Mycotoxin testing: From Multi-toxin analysis to metabolomics. <i>Mycotoxins</i> , 2017 , 67, 11-16	0.2	10
114	Glutathione-Conjugates of Deoxynivalenol in Naturally Contaminated Grain Are Primarily Linked via the Epoxide Group. <i>Toxins</i> , 2016 , 8,	4.9	20
113	Metabolism of HT-2 Toxin and T-2 Toxin in Oats. <i>Toxins</i> , 2016 , 8,	4.9	22
112	Valproic Acid Induces Antimicrobial Compound Production in <i>Doratomyces</i> microspores. <i>Frontiers in Microbiology</i> , 2016 , 7, 510	5.7	12
111	Comparison of <i>Fusarium graminearum</i> Transcriptomes on Living or Dead Wheat Differentiates Substrate-Responsive and Defense-Responsive Genes. <i>Frontiers in Microbiology</i> , 2016 , 7, 1113	5.7	20
110	Stable Isotope-Assisted Evaluation of Different Extraction Solvents for Untargeted Metabolomics of Plants. <i>International Journal of Molecular Sciences</i> , 2016 , 17,	6.3	26
109	MetMatch: A Semi-Automated Software Tool for the Comparison and Alignment of LC-HRMS Data from Different Metabolomics Experiments. <i>Metabolites</i> , 2016 , 6,	5.6	4
108	Isolation and characterisation of enzymatic zearalenone hydrolysis reaction products. <i>World Mycotoxin Journal</i> , 2016 , 9, 353-363	2.5	16
107	Surfactin variants mediate species-specific biofilm formation and root colonization in <i>Bacillus</i> . <i>Environmental Microbiology</i> , 2016 , 18, 2634-45	5.2	62
106	Identification of a novel human deoxynivalenol metabolite enhancing proliferation of intestinal and urinary bladder cells. <i>Scientific Reports</i> , 2016 , 6, 33854	4.9	36
105	Severe drought stress is affecting selected primary metabolites, polyphenols, and volatile metabolites in grapevine leaves (<i>Vitis vinifera</i> cv. Pinot noir). <i>Plant Physiology and Biochemistry</i> , 2015 , 88, 17-26	5.4	102
104	Metabolomics and Secondary Metabolite Profiling of Filamentous Fungi. <i>Fungal Biology</i> , 2015 , 81-101	2.3	7
103	Biotransformation of the mycotoxin deoxynivalenol in <i>Fusarium</i> resistant and susceptible near isogenic wheat lines. <i>PLoS ONE</i> , 2015 , 10, e0119656	3.7	65
102	Metabolism of the <i>Fusarium</i> Mycotoxins T-2 Toxin and HT-2 Toxin in Wheat. <i>Journal of Agricultural and Food Chemistry</i> , 2015 , 63, 7862-72	5.7	54
101	Tracing the metabolism of HT-2 toxin and T-2 toxin in barley by isotope-assisted untargeted screening and quantitative LC-HRMS analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 8019-33	4.4	46
100	Hydrophilic interaction liquid chromatography coupled with tandem mass spectrometry for the quantification of uridine diphosphate-glucose, uridine diphosphate-glucuronic acid, deoxynivalenol and its glucoside: In-house validation and application to wheat. <i>Journal of Chromatography A</i> , 2015 , 1483, 183-9	4.5	9

99	Deoxynivalenol-sulfates: identification and quantification of novel conjugated (masked) mycotoxins in wheat. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 1033-9	4.4	56
98	Tracing flavonoid degradation in grapes by MS filtering with stable isotopes. <i>Food Chemistry</i> , 2015 , 166, 448-455	8.5	17
97	New tricks of an old enemy: isolates of <i>Fusarium graminearum</i> produce a type A trichothecene mycotoxin. <i>Environmental Microbiology</i> , 2015 , 17, 2588-600	5.2	111
96	QCScreen: a software tool for data quality control in LC-HRMS based metabolomics. <i>BMC Bioinformatics</i> , 2015 , 16, 341	3.6	14
95	The peptaibiotics database--a comprehensive online resource. <i>Chemistry and Biodiversity</i> , 2015 , 12, 743-515	47	
94	Emission of volatile sesquiterpenes and monoterpenes in grapevine genotypes following <i>Plasmopara viticola</i> inoculation in vitro. <i>Journal of Mass Spectrometry</i> , 2015 , 50, 1013-1022	2.2	32
93	The Metabolic Fate of Deoxynivalenol and Its Acetylated Derivatives in a Wheat Suspension Culture: Identification and Detection of DON-15-O-Glucoside, 15-Acetyl-DON-3-O-Glucoside and 15-Acetyl-DON-3-Sulfate. <i>Toxins</i> , 2015 , 7, 3112-26	4.9	25
92	Joint Transcriptomic and Metabolomic Analyses Reveal Changes in the Primary Metabolism and Imbalances in the Subgenome Orchestration in the Bread Wheat Molecular Response to <i>Fusarium graminearum</i> . <i>G3: Genes, Genomes, Genetics</i> , 2015 , 5, 2579-92	3.2	25
91	GC-MS based targeted metabolic profiling identifies changes in the wheat metabolome following deoxynivalenol treatment. <i>Metabolomics</i> , 2015 , 11, 722-738	4.7	66
90	Identification and Characterization of Carboxylesterases from <i>Brachypodium distachyon</i> Deacetylating Trichothecene Mycotoxins. <i>Toxins</i> , 2015 , 8,	4.9	9
89	Automated LC-HRMS(/MS) approach for the annotation of fragment ions derived from stable isotope labeling-assisted untargeted metabolomics. <i>Analytical Chemistry</i> , 2014 , 86, 7320-7	7.8	20
88	Liquid chromatography-mass spectrometry for the determination of chemical contaminants in food. <i>TrAC - Trends in Analytical Chemistry</i> , 2014 , 59, 59-72	14.6	124
87	Untargeted profiling of tracer-derived metabolites using stable isotopic labeling and fast polarity-switching LC-ESI-HRMS. <i>Analytical Chemistry</i> , 2014 , 86, 11533-7	7.8	35
86	A novel stable isotope labelling assisted workflow for improved untargeted LC-HRMS based metabolomics research. <i>Metabolomics</i> , 2014 , 10, 754-769	4.7	57
85	Stable isotopic labelling-assisted untargeted metabolic profiling reveals novel conjugates of the mycotoxin deoxynivalenol in wheat. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 5031-6	4.4	88
84	Isotopic labeling-assisted metabolomics using LC-MS. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 27-33	4.4	67
83	A putative terpene cyclase, <i>vir4</i> , is responsible for the biosynthesis of volatile terpene compounds in the biocontrol fungus <i>Trichoderma virens</i> . <i>Fungal Genetics and Biology</i> , 2013 , 56, 67-77	3.9	61
82	Detection and Identification of Fungal Microbial Volatile Organic Compounds by HS-SPME-GCMS 2013 , 455-465		7

81	New insights into the human metabolism of the Fusarium mycotoxins deoxynivalenol and zearalenone. <i>Toxicology Letters</i> , 2013 , 220, 88-94	4.4	141
80	Study of the Volatile Metabolome in Plant-Insect Interactions 2013 , 125-153		1
79	The comprehensive peptaibiotics database. <i>Chemistry and Biodiversity</i> , 2013 , 10, 734-43	2.5	62
78	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. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 5087-104	4.4	118
77	Correlating physiological parameters with biomarkers for UV-B stress indicators in leaves of grapevine cultivars Pinot noir and Riesling. <i>Journal of Agricultural Science</i> , 2013 , 151, 189-200	1	12
76	Isotope-assisted screening for iron-containing metabolites reveals a high degree of diversity among known and unknown siderophores produced by <i>Trichoderma</i> spp. <i>Applied and Environmental Microbiology</i> , 2013 , 79, 18-31	4.8	70
75	Cooccurrence of mycotoxins in maize and poultry feeds from Brazil by liquid chromatography/tandem mass spectrometry. <i>Scientific World Journal, The</i> , 2013 , 2013, 427369	2.2	29
74	Stable isotope dilution assay for the accurate determination of mycotoxins in maize by UHPLC-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 402, 2675-86	4.4	101
73	Quantitation of mycotoxins in food and feed from Burkina Faso and Mozambique using a modern LC-MS/MS multitoxin method. <i>Journal of Agricultural and Food Chemistry</i> , 2012 , 60, 9352-63	5.7	172
72	Studying the polyphenols of grapevine leaves according to age and insertion level under controlled conditions. <i>Scientia Horticulturae</i> , 2012 , 141, 37-41	4.1	18
71	Assessment of human deoxynivalenol exposure using an LC-MS/MS based biomarker method. <i>Toxicology Letters</i> , 2012 , 211, 85-90	4.4	131
70	Development and validation of a rapid multi-biomarker liquid chromatography/tandem mass spectrometry method to assess human exposure to mycotoxins. <i>Rapid Communications in Mass Spectrometry</i> , 2012 , 26, 1533-40	2.2	112
69	Establishment and application of a metabolomics workflow for identification and profiling of volatiles from leaves of <i>Vitis vinifera</i> by HS-SPME-GC-MS. <i>Phytochemical Analysis</i> , 2012 , 23, 345-58	3.4	29
68	MetExtract: a new software tool for the automated comprehensive extraction of metabolite-derived LC/MS signals in metabolomics research. <i>Bioinformatics</i> , 2012 , 28, 736-8	7.2	62
67	Evaluation of LC-high-resolution FT-Orbitrap MS for the quantification of selected mycotoxins and the simultaneous screening of fungal metabolites in food. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2011 , 28, 1457-68	3.2	29
66	Optimization, in-house validation, and application of a liquid chromatography-tandem mass spectrometry (LC-MS/MS)-based method for the quantification of selected polyphenolic compounds in leaves of grapevine (<i>Vitis vinifera</i> L.). <i>Journal of Agricultural and Food Chemistry</i> , 2011 , 59, 12707-14	5.7	28
65	Evaluation of settled floor dust for the presence of microbial metabolites and volatile anthropogenic chemicals in indoor environments by LC-MS/MS and GC-MS methods. <i>Talanta</i> , 2011 , 85, 2027-38	6.2	18
64	Hydrolytic fate of deoxynivalenol-3-glucoside during digestion. <i>Toxicology Letters</i> , 2011 , 206, 264-7	4.4	186

63	The volatile metabolome of grapevine roots: first insights into the metabolic response upon phylloxera attack. <i>Plant Physiology and Biochemistry</i> , 2011 , 49, 1059-63	5.4	41
62	Selection of possible marker peptides for the detection of major ruminant milk proteins in food by liquid chromatography-tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2011 , 399, 1105-15	4.4	39
61	Direct quantification of deoxynivalenol glucuronide in human urine as biomarker of exposure to the Fusarium mycotoxin deoxynivalenol. <i>Analytical and Bioanalytical Chemistry</i> , 2011 , 401, 195-200	4.4	56
60	Overexpression of the UGT73C6 alters brassinosteroid glucoside formation in <i>Arabidopsis thaliana</i> . <i>BMC Plant Biology</i> , 2011 , 11, 51	5.3	65
59	Isolation and characterization of a new less-toxic derivative of the Fusarium mycotoxin diacetoxyscirpenol after thermal treatment. <i>Journal of Agricultural and Food Chemistry</i> , 2011 , 59, 9709-14	4.7	17
58	Cleavage of zearalenone by <i>Trichosporon</i> mycotoxinivorans to a novel nonestrogenic metabolite. <i>Applied and Environmental Microbiology</i> , 2010 , 76, 2353-9	4.8	62
57	Identification and profiling of volatile metabolites of the biocontrol fungus <i>Trichoderma atroviride</i> by HS-SPME-GC-MS. <i>Journal of Microbiological Methods</i> , 2010 , 81, 187-93	2.8	188
56	In-vitro sulfation of piceatannol by human liver cytosol and recombinant sulfotransferases. <i>Journal of Pharmacy and Pharmacology</i> , 2010 , 61, 185-191	4.8	14
55	Glucuronidation of piceatannol by human liver microsomes: major role of UGT1A1, UGT1A8 and UGT1A10. <i>Journal of Pharmacy and Pharmacology</i> , 2010 , 62, 47-54	4.8	24
54	Application of an LC/MS/MS based multi-mycotoxin method for the semi-quantitative determination of mycotoxins occurring in different types of food infected by moulds. <i>Food Chemistry</i> , 2010 , 119, 408-416	8.5	169
53	On the inter-instrument and the inter-laboratory transferability of a tandem mass spectral reference library: 2. Optimization and characterization of the search algorithm. <i>Journal of Mass Spectrometry</i> , 2009 , 44, 494-502	2.2	82
52	On the inter-instrument and inter-laboratory transferability of a tandem mass spectral reference library: 1. Results of an Austrian multicenter study. <i>Journal of Mass Spectrometry</i> , 2009 , 44, 485-93	2.2	92
51	Formation, determination and significance of masked and other conjugated mycotoxins. <i>Analytical and Bioanalytical Chemistry</i> , 2009 , 395, 1243-52	4.4	165
50	Difficulties in fumonisin determination: the issue of hidden fumonisins. <i>Analytical and Bioanalytical Chemistry</i> , 2009 , 395, 1335-45	4.4	96
49	A reference-gene-based quantitative PCR method as a tool to determine Fusarium resistance in wheat. <i>Analytical and Bioanalytical Chemistry</i> , 2009 , 395, 1385-94	4.4	22
48	Occurrence of deoxynivalenol and its 3-beta-D-glucoside in wheat and maize. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2009 , 26, 507-11	3.2	149
47	Preparation and characterization of the conjugated Fusarium mycotoxins zearalenone-4O-beta-D-glucopyranoside, alpha-zearalenol-4O-beta-D-glucopyranoside and beta-zearalenol-4O-beta-D-glucopyranoside by MS/MS and two-dimensional NMR. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2009 , 26, 207-13	3.2	25
46	In-vitro sulfation of piceatannol by human liver cytosol and recombinant sulfotransferases. <i>Journal of Pharmacy and Pharmacology</i> , 2009 , 61, 185-91	4.8	7

45	Effect of fungal strain and cereal substrate on in vitro mycotoxin production by <i>Fusarium poae</i> and <i>Fusarium avenaceum</i> . <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2008 , 25, 745-57	3.2	47
44	Investigations on the ability of Fhb1 to protect wheat against nivalenol and deoxynivalenol. <i>Cereal Research Communications</i> , 2008 , 36, 429-435	1.1	16
43	Determination of Ergot Alkaloids: Purity and Stability Assessment of Standards and Optimization of Extraction Conditions for Cereal Samples. <i>Journal of AOAC INTERNATIONAL</i> , 2008 , 91, 1363-1371	1.7	11
42	3rd International Symposium on Fusarium Head Blight, Session 3: Food Safety and Toxicology, Poster presentations. <i>Cereal Research Communications</i> , 2008 , 36, 337-411	1.1	2
41	Toxigenicity and pathogenicity of <i>Fusarium poae</i> and <i>Fusarium avenaceum</i> on wheat. <i>European Journal of Plant Pathology</i> , 2008 , 122, 265-276	2.1	64
40	Recent developments in the application of liquid chromatography-tandem mass spectrometry for the determination of organic residues and contaminants. <i>Analytical and Bioanalytical Chemistry</i> , 2008 , 390, 253-6	4.4	16
39	Characterisation of the peptaibome of the biocontrol fungus <i>Trichoderma atroviride</i> by liquid chromatography/tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2008 , 22, 1889-98	2.2	20
38	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 chromatography-electrospray ionisation-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2008 , 1191, 171-81	4.5	81
37	3rd International Symposium on Fusarium Head Blight, Session 4: Pathogenesis and Plant Pathology, Poster presentations. <i>Cereal Research Communications</i> , 2008 , 36, 471-551	1.1	1
36	Application of a liquid chromatography-tandem mass spectrometric method to multi-mycotoxin determination in raw cereals and evaluation of matrix effects. <i>Food Additives and Contaminants</i> , 2007 , 24, 1184-95		79
35	Profiling of trichorzianines in culture samples of <i>Trichoderma atroviride</i> by liquid chromatography/tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2007 , 21, 3963-70	2.2	21
34	Chromatographic methods for the simultaneous determination of mycotoxins and their conjugates in cereals. <i>International Journal of Food Microbiology</i> , 2007 , 119, 33-7	5.8	110
33	Short review: Metabolism of the <i>Fusarium</i> mycotoxins deoxynivalenol and zearalenone in plants. <i>Mycotoxin Research</i> , 2007 , 23, 68-72	4	28
32	Production of zearalenone-4-glucoside, α -zearalenol-4-glucoside and β -zearalenol-4-glucoside. <i>Mycotoxin Research</i> , 2007 , 23, 180-4	4	9
31	Characterization of (¹³ C ₂₄) T-2 toxin and its use as an internal standard for the quantification of T-2 toxin in cereals with HPLC-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2007 , 389, 931-40	4.4	29
30	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. <i>Analytical and Bioanalytical Chemistry</i> , 2007 , 389, 1505-23	4.4	331
29	Signaling via the <i>Trichoderma atroviride</i> mitogen-activated protein kinase Tmk 1 differentially affects mycoparasitism and plant protection. <i>Fungal Genetics and Biology</i> , 2007 , 44, 1123-33	3.9	121
28	Suitability of a fully ¹³ C isotope labeled internal standard for the determination of the mycotoxin deoxynivalenol by LC-MS/MS without clean up. <i>Analytical and Bioanalytical Chemistry</i> , 2006 , 384, 692-6	4.4	60

27	Characterization and application of isotope-substituted (¹³ C ¹⁵)-deoxynivalenol (DON) as an internal standard for the determination of DON. <i>Food Additives and Contaminants</i> , 2006 , 23, 1187-93		19
26	Heterologous expression of Arabidopsis UDP-glucosyltransferases in <i>Saccharomyces cerevisiae</i> for production of zearalenone-4-O-glucoside. <i>Applied and Environmental Microbiology</i> , 2006 , 72, 4404-10	4.8	61
25	Liquid chromatography coupled to tandem mass spectrometry (LC-MS/MS) determination of phase II metabolites of the mycotoxin zearalenone in the model plant <i>Arabidopsis thaliana</i> . <i>Food Additives and Contaminants</i> , 2006 , 23, 1194-200		88
24	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 chromatography-tandem mass spectrometry. <i>Analytical Chemistry</i> , 2006 , 78, 5884-92	7.8	86
23	Development and validation of a liquid chromatography/tandem mass spectrometric method for the determination of 39 mycotoxins in wheat and maize. <i>Rapid Communications in Mass Spectrometry</i> , 2006 , 20, 2649-59	2.2	545
22	The G protein alpha subunit Tga1 of <i>Trichoderma atroviride</i> is involved in chitinase formation and differential production of antifungal metabolites. <i>Fungal Genetics and Biology</i> , 2005 , 42, 749-60	3.9	140
21	Rapid simultaneous determination of major type A- and B-trichothecenes as well as zearalenone in maize by high performance liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2005 , 1062, 209-16	4.5	232
20	The ability to detoxify the mycotoxin deoxynivalenol colocalizes with a major quantitative trait locus for <i>Fusarium</i> head blight resistance in wheat. <i>Molecular Plant-Microbe Interactions</i> , 2005 , 18, 1318-24	3.6	299
19	Masked mycotoxins: determination of a deoxynivalenol glucoside in artificially and naturally contaminated wheat by liquid chromatography-tandem mass spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2005 , 53, 3421-5	5.7	317
18	A rapid and sensitive GC-MS method for determination of 1,3-dichloro-2-propanol in water. <i>Analytical and Bioanalytical Chemistry</i> , 2005 , 382, 366-71	4.4	15
17	Processing and purity assessment of standards for the analysis of type-B trichothecene mycotoxins. <i>Analytical and Bioanalytical Chemistry</i> , 2005 , 382, 1848-58	4.4	21
16	First results of GEN-AU: Cloning of Deoxynivalenol- and Zearalenone-inactivating UDP-glucosyltransferase genes from <i>Arabidopsis thaliana</i> and expression in yeast for production of mycotoxin-glucosides. <i>Mycotoxin Research</i> , 2005 , 21, 108-11	4	1
15	DON-glycosides: Characterisation of synthesis products and screening for their occurrence in DON-treated wheat samples. <i>Mycotoxin Research</i> , 2005 , 21, 123-7	4	19
14	Simultaneous determination of type A- & B-trichothecenes and zearalenone in cereals by High Performance Liquid Chromatography - Tandem Mass Spectrometry. <i>Mycotoxin Research</i> , 2005 , 21, 237-46		3
13	Performance of new clean-up column for the determination of ochratoxin A in cereals and foodstuffs by HPLC-FLD. <i>Food Additives and Contaminants</i> , 2004 , 21, 1107-14		17
12	The Effect of Inoculation Treatment and Long-term Application of Moisture on <i>Fusarium</i> Head Blight Symptoms and Deoxynivalenol Contamination in Wheat Grains. <i>European Journal of Plant Pathology</i> , 2004 , 110, 299-308	2.1	42
11	Evaluation of the long-term performance of water-analyzing laboratories. <i>Accreditation and Quality Assurance</i> , 2004 , 9, 82-89	0.7	4
10	Synthesis of deoxynivalenol-glucosides and their characterization using a QTrap LC-MS/MS. <i>Mycotoxin Research</i> , 2003 , 19, 47-50	4	16

9	Interlaboratory comparison study for the determination of methyl tert-butyl ether in water. <i>Analytical and Bioanalytical Chemistry</i> , 2003 , 377, 1140-7	4.4	16
8	Detoxification of the Fusarium mycotoxin deoxynivalenol by a UDP-glucosyltransferase from <i>Arabidopsis thaliana</i> . <i>Journal of Biological Chemistry</i> , 2003 , 278, 47905-14	5.4	396
7	Determination of measurement uncertainty for the determination of triazines in groundwater from validation data. <i>Analyst, The</i> , 2001 , 126, 211-6	5	13
6	A rapid method for the determination of the Fusarium mycotoxinbeauvericin in maize. <i>Fresenius Journal of Analytical Chemistry</i> , 1999 , 363, 130-131		11
5	Immuno-affinity columns versus conventional clean-up: a method-comparison study for the determination of zearalenone in corn. <i>Fresenius Journal of Analytical Chemistry</i> , 1998 , 360, 241-245		36
4	Effects of beauvericin to mammalian tissue and its production by Austrian isolates ofFusarium proliferatum and Fusarium subglutinans. <i>Mycotoxin Research</i> , 1997 , 13, 11-6	4	13
3	Interlaboratory comparison study for the determination of the Fusarium mycotoxins deoxynivalenol in wheat and zearalenone in maize using different methods. <i>Fresenius Journal of Analytical Chemistry</i> , 1997 , 359, 510-515		42
2	Accumulation of the Mycotoxin Beauvericin in Kernels of Corn Hybrids Inoculated withFusariumsubglutinans. <i>Journal of Agricultural and Food Chemistry</i> , 1996 , 44, 3665-3667	5.7	18
1	Determination of the Fusarium mycotoxin beauvericin at micrograms/kg levels in corn by high-performance liquid chromatography with diode-array detection. <i>Journal of Chromatography A</i> , 1996 , 746, 233-8	4.5	33