

Matthias Koch

List of Publications by Year in descending order

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567281

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1156
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of a certified reference material for the determination of polycyclic aromatic hydrocarbons (PAHs) in rubber toy. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 4369-4378.	3.7	4
2	LC-HRMS-Based Identification of Transformation Products of the Drug Salinomycin Generated by Electrochemistry and Liver Microsome. <i>Antibiotics</i> , 2022, 11, 155.	3.7	3
3	Trends in selected fields of reference material production. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 4281-4289.	3.7	3
4	Analysis of electrochemical and liver microsomal transformation products of lasalocid by LC/HRMS. <i>Rapid Communications in Mass Spectrometry</i> , 2022, 36, .	1.5	1
5	Co-Cultivation of <i>Fusarium</i> , <i>Alternaria</i> , and <i>Pseudomonas</i> on Wheat-Ears Affects Microbial Growth and Mycotoxin Production. <i>Microorganisms</i> , 2021, 9, 443.	3.6	10
6	Cleaving Ergot Alkaloids by Hydrazinolysis – A Promising Approach for a Sum Parameter Screening Method. <i>Toxins</i> , 2021, 13, 342.	3.4	3
7	Development and certification of a reference material for zearalenone in maize germ oil. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 5483-5491.	3.7	5
8	Diastereoselective synthesis of (±)-trichodiene and (±)-trichodiene-D ₃ as analytical standards for the on-site quantification of trichothecenes. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 9872-9879.	2.8	1
9	Development of certified reference materials for the determination of cadmium and acrylamide in cocoa. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 4659-4668.	3.7	6
10	Structural annotation of electro- and photochemically generated transformation products of moxidectin using high-resolution mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 3141-3152.	3.7	4
11	CCQM-K146 low-polarity analyte in high fat food: benzo[a]pyrene in olive oil. <i>Metrologia</i> , 2020, 57, 08017.	1.2	4
12	Formation of Zearalenone Metabolites in Tempeh Fermentation. <i>Molecules</i> , 2019, 24, 2697.	3.8	16
13	Prediction of Transformation Products of Monensin by Electrochemistry Compared to Microsomal Assay and Hydrolysis. <i>Molecules</i> , 2019, 24, 2732.	3.8	2
14	Glucosylation and Glutathione Conjugation of Chlorpyrifos and Fluopyram Metabolites Using Electrochemistry/Mass Spectrometry. <i>Molecules</i> , 2019, 24, 898.	3.8	14
15	Transformation Products of Organic Contaminants and Residues – Overview of Current Simulation Methods. <i>Molecules</i> , 2019, 24, 753.	3.8	22
16	First Synthesis of (±)-Altenuene-D3 Suitable as Internal Standard for Isotope Dilution Mass Spectrometry. <i>Molecules</i> , 2019, 24, 4563.	3.8	3
17	Prediction of biotransformation products of the fungicide fluopyram by electrochemistry coupled online to liquid chromatography-mass spectrometry and comparison with in vitro microsomal assays. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 2607-2617.	3.7	16
18	Investigation of Chlorpyrifos and Its Transformation Products in Fruits and Spices by Combining Electrochemistry and Liquid Chromatography Coupled to Tandem Mass Spectrometry. <i>Food Analytical Methods</i> , 2018, 11, 2657-2665.	2.6	9

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19	Synthesis and Structural Identification of a Biaryl Ether-Linked Zearalenone Dimer. <i>Molecules</i> , 2018, 23, 2624.	3.8	0
20	New Photodegradation Products of the Fungicide Fluopyram: Structural Elucidation and Mechanism Identification. <i>Molecules</i> , 2018, 23, 2940.	3.8	8
21	Complexes of the Mycotoxins Citrinin and Ochratoxin A with Aluminum Ions and their Spectroscopic Properties. <i>Toxins</i> , 2018, 10, 538.	3.4	6
22	Biosynthesis and Characterization of Zearalenone-14-Sulfate, Zearalenone-14-Glucoside and Zearalenone-16-Glucoside Using Common Fungal Strains. <i>Toxins</i> , 2018, 10, 104.	3.4	29
23	Toxicity Assay for Citrinin, Zearalenone and Zearalenone-14-Sulfate Using the Nematode <i>Caenorhabditis elegans</i> as Model Organism. <i>Toxins</i> , 2018, 10, 284.	3.4	17
24	Electrochemistry coupled online to liquid chromatography-mass spectrometry for fast simulation of biotransformation reactions of the insecticide chlorpyrifos. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 3359-3368.	3.7	18
25	Electrochemical simulation of biotransformation reactions of citrinin and dihydroergocristine compared to UV irradiation and Fenton-like reaction. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 4037-4045.	3.7	8
26	Detection of a Toxic Methylated Derivative of Phomopsis A Produced by the Legume-Infesting Fungus <i>Diaporthe toxica</i> . <i>Journal of Natural Products</i> , 2017, 80, 1930-1934.	3.0	18
27	T-2 and HT-2 toxins in oat flakes: development of a certified reference material. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 2997-3007.	3.7	10
28	Automated solid-phase extraction coupled online with HPLC-FLD for the quantification of zearalenone in edible oil. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 3489-3497.	3.7	50
29	Estrogenicity of novel phase I and phase II metabolites of zearalenone and cis-zearalenone. <i>Toxicol</i> , 2015, 105, 10-12.	1.6	53
30	Biotransformation of the mycotoxin zearalenone by fungi of the genera <i>Rhizopus</i> and <i>Aspergillus</i> . <i>FEMS Microbiology Letters</i> , 2014, 359, 124-130.	1.8	62
31	<i>In Vitro</i> Phase I Metabolism of <i>cis</i> -Zearalenone. <i>Chemical Research in Toxicology</i> , 2014, 27, 1972-1978.	3.3	14
32	Development and certification of a reference material for Fusarium mycotoxins in wheat flour. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 4755-4763.	3.7	13
33	Photochemical <i>trans</i> -/ <i>cis</i> -Isomerization and Quantitation of Zearalenone in Edible Oils. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 11733-11740.	5.2	29
34	Certification of reference materials for ochratoxin A analysis in coffee and wine. <i>Accreditation and Quality Assurance</i> , 2011, 16, 429-437.	0.8	16
35	Determination of mycotoxins in foods: current state of analytical methods and limitations. <i>Applied Microbiology and Biotechnology</i> , 2010, 86, 1595-1612.	3.6	194
36	Dynamic covalent hydrazine chemistry as a selective extraction and cleanup technique for the quantification of the Fusarium mycotoxin zearalenone in edible oils. <i>Journal of Chromatography A</i> , 2010, 1217, 2206-2215.	3.7	27

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37	Determination of Total Sulfite in Wine by Ion Chromatography after In-Sample Oxidation. Journal of Agricultural and Food Chemistry, 2010, 58, 9463-9467.	5.2	145
38	A Comparison of Chromatographic Methods for the Determination of Deoxynivalenol in Wheat. Chromatographia, 2009, 69, 1457-1462.	1.3	14
39	Development of Two Certified Reference Materials for Acrylamide Determination in Foods. Journal of Agricultural and Food Chemistry, 2009, 57, 8202-8207.	5.2	18
40	Feasibility studies for the preparation and certification of reference materials Part II: mineral oil contaminated waste materials. Accreditation and Quality Assurance, 2006, 11, 122-129.	0.8	2
41	Concise Synthesis of Alternariol and Alternariol-9-monomethyl ether as well as their D3-Isotopologues. Synthesis, 0, , .	2.3	1