

Lynn Vanhaecke

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181
papers

4,767
citations

39
h-index

59
g-index

188
ext. papers

5,660
ext. citations

5.8
avg, IF

5.58
L-index

#	Paper	IF	Citations
181	Metabolites produced by <i>Pseudomonas</i> sp. enable a Gram-positive bacterium to achieve extracellular electron transfer. <i>Applied Microbiology and Biotechnology</i> , 2008 , 77, 1119-29	5.7	224
180	Human colon microbiota transform polycyclic aromatic hydrocarbons to estrogenic metabolites. <i>Environmental Health Perspectives</i> , 2005 , 113, 6-10	8.4	154
179	Degradation of acetaminophen by <i>Delftia tsuruhatensis</i> and <i>Pseudomonas aeruginosa</i> in a membrane bioreactor. <i>Water Research</i> , 2011 , 45, 1829-37	12.5	131
178	Validation and application of an LC-MS/MS method for the simultaneous quantification of 13 pharmaceuticals in seawater. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 397, 1797-808	4.4	131
177	Coupled chromatographic and mass-spectrometric techniques for the analysis of emerging pollutants in the aquatic environment. <i>TrAC - Trends in Analytical Chemistry</i> , 2012 , 35, 87-108	14.6	116
176	Diclofenac oxidation by biogenic manganese oxides. <i>Environmental Science & Technology</i> , 2010 , 44, 3449-54	10.3	112
175	Nutrimetabolomics: An Integrative Action for Metabolomic Analyses in Human Nutritional Studies. <i>Molecular Nutrition and Food Research</i> , 2019 , 63, e1800384	5.9	107
174	Development of analytical strategies using U-HPLC-MS/MS and LC-ToF-MS for the quantification of micropollutants in marine organisms. <i>Analytical and Bioanalytical Chemistry</i> , 2011 , 400, 1459-72	4.4	84
173	Direct and transgenerational impact on <i>Daphnia magna</i> of chemicals with a known effect on DNA methylation. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2010 , 151, 278-85	3.2	84
172	Environmental heat stress induces epigenetic transgenerational inheritance of robustness in parthenogenetic <i>Artemia</i> model. <i>FASEB Journal</i> , 2014 , 28, 3552-63	0.9	83
171	Biogenic metals for the oxidative and reductive removal of pharmaceuticals, biocides and iodinated contrast media in a polishing membrane bioreactor. <i>Water Research</i> , 2011 , 45, 1763-73	12.5	83
170	Metabolic fingerprinting reveals a novel candidate biomarker for prednisolone treatment in cattle. <i>Metabolomics</i> , 2016 , 12, 1	4.7	82
169	Disposition of soy isoflavones in normal human breast tissue. <i>American Journal of Clinical Nutrition</i> , 2010 , 91, 976-84	7	74
168	Priming of wheat with the green leaf volatile Z-3-hexenyl acetate enhances defense against <i>Fusarium graminearum</i> but boosts deoxynivalenol production. <i>Plant Physiology</i> , 2015 , 167, 1671-84	6.6	70
167	Long-chain acylhomoserine lactones increase the anoxic ammonium oxidation rate in an OLAND biofilm. <i>Applied Microbiology and Biotechnology</i> , 2011 , 90, 1511-9	5.7	69
166	Emerging contaminants in Belgian marine waters: single toxicant and mixture risks of pharmaceuticals. <i>Marine Pollution Bulletin</i> , 2013 , 71, 41-50	6.7	67
165	Validated UPLC-MS/MS Methods To Quantitate Free and Conjugated <i>Alternaria</i> Toxins in Commercially Available Tomato Products and Fruit and Vegetable Juices in Belgium. <i>Journal of Agricultural and Food Chemistry</i> , 2016 , 64, 5101-9	5.7	66

164	Development and validation of an ultra-high-performance liquid chromatography tandem mass spectrometric method for the simultaneous determination of free and conjugated <i>Alternaria</i> toxins in cereal-based foodstuffs. <i>Journal of Chromatography A</i> , 2014 , 1372C, 91-101	4.5	64
163	Rapid quantification of pharmaceuticals and pesticides in passive samplers using ultra high performance liquid chromatography coupled to high resolution mass spectrometry. <i>Journal of Chromatography A</i> , 2011 , 1218, 9162-73	4.5	63
162	Rapid evaporative ionization mass spectrometry for high-throughput screening in food analysis: The case of boar taint. <i>Talanta</i> , 2017 , 169, 30-36	6.2	61
161	Structural features and feruloylation modulate the fermentability and evolution of antioxidant properties of arabinoxylan oligosaccharides during in vitro fermentation by human gut derived microbiota. <i>Journal of Functional Foods</i> , 2014 , 10, 1-12	5.1	60
160	Doping of biogenic Pd catalysts with Au enables dechlorination of diclofenac at environmental conditions. <i>Water Research</i> , 2012 , 46, 2718-26	12.5	60
159	In vivo contribution of deoxynivalenol-3- β -D-glucoside to deoxynivalenol exposure in broiler chickens and pigs: oral bioavailability, hydrolysis and toxicokinetics. <i>Archives of Toxicology</i> , 2017 , 91, 699-712	5.8	58
158	Reduction in circulating bile acid and restricted diffusion across the intestinal epithelium are associated with a decrease in blood cholesterol in the presence of oat β -glucan. <i>FASEB Journal</i> , 2016 , 30, 4227-4238	0.9	57
157	Development of a liquid-chromatography tandem mass spectrometry and ultra-high-performance liquid chromatography high-resolution mass spectrometry method for the quantitative determination of zearalenone and its major metabolites in chicken and pig plasma. <i>Analytica Chimica Acta</i> , 2012 , 756, 37-48	6.6	57
156	Removal of diatrizoate with catalytically active membranes incorporating microbially produced palladium nanoparticles. <i>Water Research</i> , 2010 , 44, 1498-506	12.5	55
155	Ultra-high performance liquid chromatography coupled to high resolution Orbitrap mass spectrometry for metabolomic profiling of the endogenous phytohormonal status of the tomato plant. <i>Journal of Chromatography A</i> , 2012 , 1260, 67-80	4.5	54
154	Ursodeoxycholic Acid and Its Taurine- or Glycine-Conjugated Species Reduce Colitogenic Dysbiosis and Equally Suppress Experimental Colitis in Mice. <i>Applied and Environmental Microbiology</i> , 2017 , 83,	4.8	52
153	Validated High Resolution Mass Spectrometry-Based Approach for Metabolomic Fingerprinting of the Human Gut Phenotype. <i>Analytical Chemistry</i> , 2015 , 87, 10927-34	7.8	51
152	Nitrite curing of chicken, pork, and beef inhibits oxidation but does not affect N-nitroso compound (NOC)-specific DNA adduct formation during in vitro digestion. <i>Journal of Agricultural and Food Chemistry</i> , 2014 , 62, 1980-8	5.7	50
151	Untargeted metabolomics of colonic digests reveals kynurenine pathway metabolites, dityrosine and 3-dehydroxycarnitine as red versus white meat discriminating metabolites. <i>Scientific Reports</i> , 2017 , 7, 42514	4.9	49
150	Biogenic palladium enhances diatrizoate removal from hospital wastewater in a microbial electrolysis cell. <i>Environmental Science & Technology</i> , 2011 , 45, 5737-45	10.3	48
149	An <i>Aspergillus flavus</i> secondary metabolic gene cluster containing a hybrid PKS-NRPS is necessary for synthesis of the 2-pyridones, leporins. <i>Fungal Genetics and Biology</i> , 2015 , 81, 88-97	3.9	46
148	Synthesis of bolaform biosurfactants by an engineered <i>Starmerella bombicola</i> yeast. <i>Biotechnology and Bioengineering</i> , 2016 , 113, 2644-2651	4.9	44
147	Optimization of ectoine synthesis through fed-batch fermentation of <i>Brevibacterium epidermis</i> . <i>Biotechnology Progress</i> , 2005 , 21, 1206-12	2.8	42

146	High resolution Orbitrap mass spectrometry in comparison with tandem mass spectrometry for confirmation of anabolic steroids in meat. <i>Analytica Chimica Acta</i> , 2013 , 767, 118-27	6.6	41
145	Global cytosine methylation in <i>Daphnia magna</i> depends on genotype, environment, and their interaction. <i>Environmental Toxicology and Chemistry</i> , 2015 , 34, 1056-61	3.8	40
144	Ultra-high performance liquid chromatography-tandem mass spectrometry in high-throughput confirmation and quantification of 34 anabolic steroids in bovine muscle. <i>Analytica Chimica Acta</i> , 2011 , 700, 70-7	6.6	40
143	A validated multi-matrix platform for metabolomic fingerprinting of human urine, feces and plasma using ultra-high performance liquid-chromatography coupled to hybrid orbitrap high-resolution mass spectrometry. <i>Analytica Chimica Acta</i> , 2018 , 1033, 108-118	6.6	39
142	Diclofenac and 2-anilinophenylacetate degradation by combined activity of biogenic manganese oxides and silver. <i>Microbial Biotechnology</i> , 2012 , 5, 388-95	6.3	38
141	Properties governing the transport of trace organic contaminants through ion-exchange membranes. <i>Environmental Science & Technology</i> , 2015 , 49, 489-97	10.3	38
140	Metabolism of the food-associated carcinogen 2-amino-1-methyl-6-phenylimidazo[4,5-b]pyridine by human intestinal microbiota. <i>Journal of Agricultural and Food Chemistry</i> , 2006 , 54, 3454-61	5.7	37
139	Increased oxidative and nitrosative reactions during digestion could contribute to the association between well-done red meat consumption and colorectal cancer. <i>Food Chemistry</i> , 2015 , 187, 29-36	8.5	35
138	Holistic Lipidomics of the Human Gut Phenotype Using Validated Ultra-High-Performance Liquid Chromatography Coupled to Hybrid Orbitrap Mass Spectrometry. <i>Analytical Chemistry</i> , 2017 , 89, 12502-12510	7.8	33
137	Dehalogenation of environmental pollutants in microbial electrolysis cells with biogenic palladium nanoparticles. <i>Biotechnology Letters</i> , 2011 , 33, 89-95	3	33
136	Development and validation of an ultra-high performance liquid chromatographic high resolution Q-Orbitrap mass spectrometric method for the simultaneous determination of steroidal endocrine disrupting compounds in aquatic matrices. <i>Analytica Chimica Acta</i> , 2017 , 984, 140-150	6.6	32
135	Fat content and nitrite-curing influence the formation of oxidation products and NOC-specific DNA adducts during in vitro digestion of meat. <i>PLoS ONE</i> , 2014 , 9, e101122	3.7	32
134	Membrane stripping enables effective electrochemical ammonia recovery from urine while retaining microorganisms and micropollutants. <i>Water Research</i> , 2019 , 150, 349-357	12.5	31
133	High resolution mass spectrometry based profiling of diet-related deoxyribonucleic acid adducts. <i>Analytica Chimica Acta</i> , 2015 , 892, 123-31	6.6	30
132	Impact of hydraulic pressure on membrane deformation and trace organic contaminants rejection in pressure assisted osmosis (PAO). <i>Chemical Engineering Research and Design</i> , 2016 , 102, 316-327	5.5	30
131	Glazing of frozen fish: analytical and economic challenges. <i>Analytica Chimica Acta</i> , 2010 , 672, 40-4	6.6	29
130	Isolation and characterization of human intestinal bacteria capable of transforming the dietary carcinogen 2-amino-1-methyl-6-phenylimidazo[4,5-b]pyridine. <i>Applied and Environmental Microbiology</i> , 2008 , 74, 1469-77	4.8	29
129	Exploring methane-oxidizing communities for the co-metabolic degradation of organic micropollutants. <i>Applied Microbiology and Biotechnology</i> , 2015 , 99, 3609-18	5.7	28

128	Reducing Compounds Equivocally Influence Oxidation during Digestion of a High-Fat Beef Product, which Promotes Cytotoxicity in Colorectal Carcinoma Cell Lines. <i>Journal of Agricultural and Food Chemistry</i> , 2016 , 64, 1600-9	5.7	28
127	O ⁶ -Carboxymethylguanine DNA adduct formation and lipid peroxidation upon in vitro gastrointestinal digestion of haem-rich meat. <i>Molecular Nutrition and Food Research</i> , 2014 , 58, 1883-96	5.9	28
126	High yield 1,3-propanediol production by rational engineering of the 3-hydroxypropionaldehyde bottleneck in <i>Citrobacter werkmanii</i> . <i>Microbial Cell Factories</i> , 2016 , 15, 23	6.4	27
125	Biomarkers of meat and seafood intake: an extensive literature review. <i>Genes and Nutrition</i> , 2019 , 14, 35	4.3	27
124	Ultra-high-performance liquid chromatography coupled to quadrupole orbitrap high-resolution mass spectrometry for multi-residue screening of pesticides, (veterinary) drugs and mycotoxins in edible insects. <i>Food Chemistry</i> , 2019 , 293, 187-196	8.5	26
123	Comparative toxicokinetics, absolute oral bioavailability, and biotransformation of zearalenone in different poultry species. <i>Journal of Agricultural and Food Chemistry</i> , 2015 , 63, 5092-8	5.7	26
122	Variovorax sp.-mediated biodegradation of the phenyl urea herbicide linuron at micropollutant concentrations and effects of natural dissolved organic matter as supplementary carbon source. <i>Applied Microbiology and Biotechnology</i> , 2013 , 97, 9837-46	5.7	26
121	Gibberellin antagonizes jasmonate-induced defense against <i>Meloidogyne graminicola</i> in rice. <i>New Phytologist</i> , 2018 , 218, 646-660	9.8	25
120	Understanding the effect of carbon status on stem diameter variations. <i>Annals of Botany</i> , 2013 , 111, 31-46	4.1	25
119	Passive sampling reversed: coupling passive field sampling with passive lab dosing to assess the ecotoxicity of mixtures present in the marine environment. <i>Marine Pollution Bulletin</i> , 2015 , 93, 9-19	6.7	24
118	Adsorption and photocatalytic degradation of pharmaceuticals and pesticides by carbon doped-TiO ₂ coated on zeolites under solar light irradiation. <i>Water Science and Technology</i> , 2016 , 73, 2868-81	2.3	23
117	A validated analytical method to study the long-term stability of natural and synthetic glucocorticoids in livestock urine using ultra-high performance liquid chromatography coupled to Orbitrap-high resolution mass spectrometry. <i>Journal of Chromatography A</i> , 2013 , 1301, 111-21	4.5	23
116	Improved positive electrospray ionization of patulin by adduct formation: usefulness in liquid chromatography-tandem mass spectrometry multi-mycotoxin analysis. <i>Journal of Chromatography A</i> , 2012 , 1270, 334-9	4.5	23
115	European Analytical Criteria: Past, Present, and Future. <i>Journal of AOAC INTERNATIONAL</i> , 2011 , 94, 360-372	3.7	23
114	Targeted quantification and untargeted screening of alkylphenols, bisphenol A and phthalates in aquatic matrices using ultra-high-performance liquid chromatography coupled to hybrid Q-Orbitrap mass spectrometry. <i>Analytica Chimica Acta</i> , 2019 , 1049, 141-151	6.6	23
113	The microbial PhIP metabolite 7-hydroxy-5-methyl-3-phenyl-6,7,8,9-tetrahydropyrido[3,2-s,4,5]imidazo[1,2-a]pyrimidin-5-ium chloride (PhIP-M1) induces DNA damage, apoptosis and cell cycle arrest towards Caco-2 cells. <i>Toxicology Letters</i> , 2019 , 300, 170-178	4.4	22
112	High-resolution Orbitrap mass spectrometry for the analysis of carotenoids in tomato fruit: validation and comparative evaluation towards UV-VIS and tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2014 , 406, 2613-26	4.4	21
111	Identification of novel metabolites from <i>Aspergillus flavus</i> by high resolution and multiple stage mass spectrometry. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2014 , 31, 111-20	3.2	21

110	Validation of a confirmatory method for lipophilic marine toxins in shellfish using UHPLC-HR-Orbitrap MS. <i>Analytical and Bioanalytical Chemistry</i> , 2014 , 406, 5303-12	4.4	21
109	High-fiber and high-protein diets shape different gut microbial communities, which ecologically behave similarly under stress conditions, as shown in a gastrointestinal simulator. <i>Molecular Nutrition and Food Research</i> , 2017 , 61, 1600150	5.9	21
108	Low night temperature acclimation of Phalaenopsis. <i>Plant Cell Reports</i> , 2011 , 30, 1125-34	5.1	20
107	Quantification and profiling of lipophilic marine toxins in microalgae by UHPLC coupled to high-resolution orbitrap mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 6345-56	4.4	19
106	Holistic approach based on high resolution and multiple stage mass spectrometry to investigate ergot alkaloids in cereals. <i>Talanta</i> , 2014 , 118, 359-67	6.2	19
105	Validated ultra high performance liquid chromatography-tandem mass spectrometry method for quantitative analysis of total and free thyroid hormones in bovine serum. <i>Journal of Chromatography A</i> , 2014 , 1345, 164-73	4.5	19
104	Intestinal fermentation modulates postprandial acylcarnitine profile and nitrogen metabolism in a true carnivore: the domestic cat (<i>Felis catus</i>). <i>British Journal of Nutrition</i> , 2010 , 104, 972-9	3.6	19
103	DNA adduct profiling to mechanistically link red meat consumption to colon cancer promotion. <i>Toxicology Research</i> , 2016 , 5, 1346-1358	2.6	19
102	Catalytic dechlorination of diclofenac by biogenic palladium in a microbial electrolysis cell. <i>Microbial Biotechnology</i> , 2012 , 5, 396-402	6.3	18
101	Toward a new European threshold to discriminate illegally administered from naturally occurring thiouracil in livestock. <i>Journal of Agricultural and Food Chemistry</i> , 2015 , 63, 1339-46	5.7	18
100	U-HPLC-MS/MS to quantify liposoluble antioxidants in red-ripe tomatoes, grown under different salt stress levels. <i>Journal of Agricultural and Food Chemistry</i> , 2012 , 60, 566-73	5.7	18
99	In vitro glucuronidation of ochratoxin a by rat liver microsomes. <i>Toxins</i> , 2013 , 5, 2671-85	4.9	18
98	Feed or food responsible for the presence of low-level thiouracil in urine of livestock and humans?. <i>Journal of Agricultural and Food Chemistry</i> , 2011 , 59, 5786-92	5.7	18
97	Validated comprehensive metabolomics and lipidomics analysis of colon tissue and cell lines. <i>Analytica Chimica Acta</i> , 2019 , 1066, 79-92	6.6	17
96	Multi-residue quantification and screening of emerging organic micropollutants in the Belgian Part of the North Sea by use of Speedisk extraction and Q-Orbitrap HRMS. <i>Marine Pollution Bulletin</i> , 2019 , 142, 350-360	6.7	17
95	DNA adduct profiling of in vitro colonic meat digests to map red vs. white meat genotoxicity. <i>Food and Chemical Toxicology</i> , 2018 , 115, 73-87	4.7	17
94	A novel approach to the quantitative detection of anabolic steroids in bovine muscle tissue by means of a hybrid quadrupole time-of-flight-mass spectrometry instrument. <i>Journal of Chromatography A</i> , 2014 , 1360, 229-39	4.5	17
93	Development and validation of a high-resolution mass-spectrometry-based method to study the long-term stability of natural and synthetic glucocorticoids in faeces. <i>Journal of Chromatography A</i> , 2014 , 1336, 76-86	4.5	17

92	The response of canine faecal microbiota to increased dietary protein is influenced by body condition. <i>BMC Veterinary Research</i> , 2017 , 13, 374	2.7	16
91	Feeding soybean meal increases the blood level of isoflavones and reduces the steroidogenic capacity in bovine corpora lutea, without affecting peripheral progesterone concentrations. <i>Animal Reproduction Science</i> , 2014 , 144, 79-89	2.1	16
90	High resolution mass spectrometry-based screening reveals lipophilic toxins in multiple trophic levels from the North Sea. <i>Harmful Algae</i> , 2017 , 64, 30-41	5.3	15
89	Surface Colonization and Activity of the 2,6-Dichlorobenzamide (BAM) Degrading Aminobacter sp. Strain MSH1 at Macro- and Micropollutant BAM Concentrations. <i>Environmental Science & Technology</i> , 2016 , 50, 10123-33	10.3	15
88	Effect of oxidation and catalytic reduction of trace organic contaminants on their activated carbon adsorption. <i>Chemosphere</i> , 2016 , 165, 191-201	8.4	15
87	Elimination kinetics of dexamethasone in bovine urine, hair and feces following single administration of dexamethasone acetate and phosphate esters. <i>Steroids</i> , 2011 , 76, 111-7	2.8	15
86	Localized stem chilling alters carbon processes in the adjacent stem and in source leaves. <i>Tree Physiology</i> , 2011 , 31, 1194-203	4.2	15
85	Diet-related DNA adduct formation in relation to carcinogenesis. <i>Nutrition Reviews</i> , 2016 , 74, 475-89	6.4	15
84	Mass Spectrometric Mapping of the DNA Adductome as a Means to Study Genotoxin Exposure, Metabolism, and Effect. <i>Analytical Chemistry</i> , 2016 , 88, 7436-46	7.8	15
83	Commercial luncheon meat products and their in vitro gastrointestinal digests contain more protein carbonyl compounds but less lipid oxidation products compared to fresh pork. <i>Food Research International</i> , 2020 , 136, 109585	7	14
82	Development and validation of a UHPLC-HR-Orbitrap-MS method for the simultaneous determination of androstenone, skatole and indole in porcine meat and meat products. <i>Food Chemistry</i> , 2016 , 190, 944-951	8.5	13
81	Intestinal absorption and cell transforming potential of PhIP-M1, a bacterial metabolite of the heterocyclic aromatic amine 2-amino-1-methyl-6-phenylimidazo[4,5-b]pyridine (PhIP). <i>Toxicology Letters</i> , 2015 , 234, 92-8	4.4	13
80	Use of UHPLC high-resolution Orbitrap mass spectrometry to investigate the genes involved in the production of secondary metabolites in <i>Aspergillus flavus</i> . <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2015 , 32, 1656-73	3.2	13
79	Can damselfly larvae (<i>Ischnura elegans</i>) be used as bioindicators of sublethal effects of environmental contamination?. <i>Aquatic Toxicology</i> , 2014 , 154, 270-7	5.1	13
78	A validated UHPLC-MS/MS method to quantify low levels of anabolic-androgenic steroids naturally present in urine of untreated horses. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 4385-96	4.4	13
77	Excretion of endogenous boldione in human urine: influence of phytosterol consumption. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2009 , 117, 8-14	5.1	13
76	Steroids in the equine oviduct: synthesis, local concentrations and receptor expression. <i>Reproduction, Fertility and Development</i> , 2015 ,	1.8	13
75	DNA adductomics to study the genotoxic effects of red meat consumption with and without added animal fat in rats. <i>Food Chemistry</i> , 2017 , 230, 378-387	8.5	12

74	Relationship between pesticide accumulation in transplanted zebra mussel (<i>Dreissena polymorpha</i>) and community structure of aquatic macroinvertebrates. <i>Environmental Pollution</i> , 2019 , 252, 591-598	9.3	12
73	Hepatic PPAR α function and lipid metabolic pathways are dysregulated in polymicrobial sepsis. <i>EMBO Molecular Medicine</i> , 2020 , 12, e11319	12	12
72	Validity and Reproducibility of a Food Frequency Questionnaire for Dietary Factors Related to Colorectal Cancer. <i>Nutrients</i> , 2017 , 9,	6.7	12
71	Thiouracil-Forming Bacteria Identified and Characterized upon Porcine In Vitro Digestion of Brassicaceae Feed. <i>Applied and Environmental Microbiology</i> , 2014 , 80, 7433-42	4.8	12
70	Intestinal microbiota contribute to the endogenous formation of thiouracil in livestock. <i>Journal of Agricultural and Food Chemistry</i> , 2012 , 60, 7769-76	5.7	12
69	Boar taint compound levels in back fat versus meat products: Do they correlate?. <i>Food Chemistry</i> , 2016 , 206, 30-6	8.5	12
68	Genetic (In)stability of 2,6-Dichlorobenzamide Catabolism in <i>Aminobacter</i> sp. Strain MSH1 Biofilms under Carbon Starvation Conditions. <i>Applied and Environmental Microbiology</i> , 2017 , 83,	4.8	11
67	Alkaloids from Marine Fungi: Promising Antimicrobials. <i>Antibiotics</i> , 2020 , 9,	4.9	11
66	Making complex measurements of meat composition fast: Application of rapid evaporative ionisation mass spectrometry to measuring meat quality and fraud. <i>Meat Science</i> , 2021 , 181, 108333	6.4	11
65	Analytical strategy for determination of known and unknown destruxins using hybrid quadrupole-Orbitrap high-resolution mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2017 , 409, 3347-3357	4.4	10
64	A Metabolomics Approach to Unravel Infection in Silkworm Bm5 Cells. <i>Viruses</i> , 2019 , 11,	6.2	10
63	Development of a quantitative method for the simultaneous analysis of the boar taint compounds androstenone, skatole and indole in porcine serum and plasma by means of ultra-high performance liquid chromatography coupled to high resolution mass spectrometry. <i>Food Chemistry</i> , 2015 , 187, 120-9	8.5	10
62	Aerosolizable Marine Phycotoxins and Human Health Effects: In Vitro Support for the Biogenics Hypothesis. <i>Marine Drugs</i> , 2020 , 18,	6	10
61	Plant-Based Beverages as Good Sources of Free and Glycosidic Plant Sterols. <i>Nutrients</i> , 2017 , 10,	6.7	10
60	A metabolomics approach to unravel the regulating role of phytohormones towards carotenoid metabolism in tomato fruit. <i>Metabolomics</i> , 2015 , 11, 667-683	4.7	10
59	Highly viscous guar gum shifts dietary amino acids from metabolic use to fermentation substrate in domestic cats. <i>British Journal of Nutrition</i> , 2013 , 109, 1022-30	3.6	10
58	Unraveling and resolving inefficient glucolipid biosurfactants production through quantitative multiomics analyses of <i>Starmarella bombicola</i> strains. <i>Biotechnology and Bioengineering</i> , 2020 , 117, 453-465	4.9	10
57	Impact of storage conditions on the human stool metabolome and lipidome: Preserving the most accurate fingerprint. <i>Analytica Chimica Acta</i> , 2020 , 1108, 79-88	6.6	9

56	Comparative chemical screening and genetic analysis reveal tentoxin as a new virulence factor in <i>Cochliobolus miyabeanus</i> , the causal agent of brown spot disease on rice. <i>Molecular Plant Pathology</i> , 2016 , 17, 805-17	5.7	9
55	From bumblebee to bioeconomy: Recent developments and perspectives for sophorolipid biosynthesis. <i>Biotechnology Advances</i> , 2021 , 107788	17.8	9
54	Metabolomic Analysis of Infection in S2 Cells Reveals Divergent Effects on Central Carbon Metabolism as Compared with Silkworm Bm5 Cells. <i>Viruses</i> , 2020 , 12,	6.2	8
53	Fractional factorial design-based optimisation and application of an extraction and UPLC-MS/MS detection method for the quantification of phytosterols in food, feed and beverages low in phytosterols. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 7731-7744	4.4	8
52	The impact of stress on the prevalence of prednisolone in bovine urine: A metabolic fingerprinting approach. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2015 , 154, 206-16	5.1	8
51	Metabolic Fingerprinting to Assess the Impact of Salinity on Carotenoid Content in Developing Tomato Fruits. <i>International Journal of Molecular Sciences</i> , 2016 , 17,	6.3	8
50	Prioritization of contaminated watercourses using an integrated biomarker approach in caged carp. <i>Water Research</i> , 2016 , 99, 129-139	12.5	8
49	Sensory evaluation of boar-taint-containing minced meat, dry-cured ham and dry fermented sausage by a trained expert panel and consumers. <i>Food Chemistry</i> , 2017 , 233, 247-255	8.5	7
48	In vitro simulation of the equine hindgut as a tool to study the influence of phytosterol consumption on the excretion of anabolic-androgenic steroids in horses. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2015 , 152, 180-92	5.1	7
47	Validated Ultra-High-Performance Liquid Chromatography Hybrid High-Resolution Mass Spectrometry and Laser-Assisted Rapid Evaporative Ionization Mass Spectrometry for Salivary Metabolomics. <i>Analytical Chemistry</i> , 2020 , 92, 5116-5124	7.8	7
46	Breast levonorgestrel concentrations in women using a levonorgestrel-releasing intrauterine system. <i>Contraception</i> , 2019 , 100, 299-301	2.5	7
45	Metabolomics Reveal Induction of ROS Production and Glycosylation Events in Wheat Upon Exposure to the Green Leaf Volatile Z-3-Hexenyl Acetate. <i>Frontiers in Plant Science</i> , 2020 , 11, 596271	6.2	7
44	Sample Preparation Free Mass Spectrometry Using Laser-Assisted Rapid Evaporative Ionization Mass Spectrometry: Applications to Microbiology, Metabolic Biofluid Phenotyping, and Food Authenticity. <i>Journal of the American Society for Mass Spectrometry</i> , 2021 , 32, 1393-1401	3.5	7
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