

Lynn Vanhaecke

List of Publications by Year in Descending Order

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Version: 2024-04-28

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

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	Evaluation of potential thiamazole exposure of owners of orally treated hyperthyroid cats.. <i>Journal of Feline Medicine and Surgery</i> , 2022 , 1098612X221091738	2.3	
180	Paediatric obesity: a systematic review and pathway mapping of metabolic alterations underlying early disease processes. <i>Molecular Medicine</i> , 2021 , 27, 145	6.2	2
179	A multi-omics study to boost continuous bolaform sophorolipid production. <i>New Biotechnology</i> , 2021 , 66, 107-115	6.4	1
178	Sea Spray Aerosols Contain the Major Component of Human Lung Surfactant. <i>Environmental Science & Technology</i> , 2021 , 55, 15989-16000	10.3	1
177	Advanced PHB fermentation strategies with CO-derived organic acids. <i>Journal of Biotechnology</i> , 2021 , 343, 102-109	3.7	1
176	A Systematic Review of Metabolic Alterations Underlying IgE-Mediated Food Allergy in Children. <i>Molecular Nutrition and Food Research</i> , 2021 , 65, e2100536	5.9	1
175	Elucidation of the Natural Function of Sophorolipids Produced by. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021 , 7,	5.6	2
174	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
173	Untargeted Metabolomics Reveals Elevated L-Carnitine Metabolism in Pig and Rat Colon Tissue Following Red Versus White Meat Intake. <i>Molecular Nutrition and Food Research</i> , 2021 , 65, e2000463	5.9	3
172	Phycotoxin-Enriched Sea Spray Aerosols: Methods, Mechanisms, and Human Exposure. <i>Environmental Science & Technology</i> , 2021 , 55, 6184-6196	10.3	4
171	The Bee Hemolymph Metabolome: A Window into the Impact of Viruses on Bumble Bees. <i>Viruses</i> , 2021 , 13,	6.2	1
170	Analysing organic micropollutant accumulation in closed loop FERO systems: A pilot plant study. <i>Journal of Membrane Science</i> , 2021 , 626, 119182	9.6	0
169	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
168	From bumblebee to bioeconomy: Recent developments and perspectives for sophorolipid biosynthesis. <i>Biotechnology Advances</i> , 2021 , 107788	17.8	9
167	Oral anserine supplementation does not attenuate type-2 diabetes or diabetic nephropathy in BTBR ob/ob mice. <i>Amino Acids</i> , 2021 , 53, 1269-1277	3.5	3
166	A Simple Teabag Equilibrium Passive Sampler using hydrophilic divinylbenzene sorbent for contaminants of emerging concern in the marine environment. <i>Science of the Total Environment</i> , 2021 , 777, 146055	10.2	2
165	Rapid ex vivo molecular fingerprinting of biofluids using laser-assisted rapid evaporative ionization mass spectrometry. <i>Nature Protocols</i> , 2021 , 16, 4327-4354	18.8	2

164	Disparities in the gut metabolome of post-operative Hirschsprung's disease patients. <i>Scientific Reports</i> , 2021 , 11, 16167	4.9	1
163	Comprehensive polar metabolomics and lipidomics profiling discriminates the transformed from the non-transformed state in colon tissue and cell lines. <i>Scientific Reports</i> , 2021 , 11, 17249	4.9	2
162	Triangulation of microbial fingerprinting in anaerobic digestion reveals consistent fingerprinting profiles. <i>Water Research</i> , 2021 , 202, 117422	12.5	3
161	Development and validation of a liquid chromatography high-resolution mass spectrometry orbitrap method for the sensitive quantification of amoxicillin, piperacillin, tazobactam and meropenem in human faeces. <i>Analytica Chimica Acta</i> , 2021 , 1177, 338760	6.6	2
160	FLEXiGUT: Rationale for exposomics associations with chronic low-grade gut inflammation. <i>Environment International</i> , 2021 , 158, 106906	12.9	0
159	Dose-Dependent Effects of Dietary Xylooligosaccharides Supplementation on Microbiota, Fermentation and Metabolism in Healthy Adult Cats. <i>Molecules</i> , 2020 , 25,	4.8	1
158	Valorisation of tainted boar meat in patties, frankfurter sausages and cooked ham by means of targeted dilution, cooking and smoking. <i>Food Chemistry</i> , 2020 , 330, 126897	8.5	3
157	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
156	Alkaloids from Marine Fungi: Promising Antimicrobials. <i>Antibiotics</i> , 2020 , 9,	4.9	11
155	Investigations into the analysis of intact drug conjugates in animal sport doping control - Development and assessment of a rapid and economical approach for screening greyhound urine. <i>Drug Testing and Analysis</i> , 2020 , 12, 731-742	3.5	2
154	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
153	Aerosolizable Marine Phycotoxins and Human Health Effects: In Vitro Support for the Biogenics Hypothesis. <i>Marine Drugs</i> , 2020 , 18,	6	10
152	Hepatic PPAR α Function and lipid metabolic pathways are dysregulated in polymicrobial sepsis. <i>EMBO Molecular Medicine</i> , 2020 , 12, e11319	12	12
151	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
150	Untargeted Metabolomics to Reveal Red versus White Meat-Associated Gut Metabolites in a Prudent and Western Dietary Context. <i>Molecular Nutrition and Food Research</i> , 2020 , 64, e2000070	5.9	2
149	Rapid LA-REIMS and comprehensive UHPLC-HRMS for metabolic phenotyping of feces. <i>Talanta</i> , 2020 , 217, 121043	6.2	6
148	Instant killing of pathogenic chytrid fungi by disposable nitrile gloves prevents disease transmission between amphibians. <i>PLoS ONE</i> , 2020 , 15, e0241048	3.7	3
147	Developing and Understanding Olfactory Evaluation of Boar Taint. <i>Animals</i> , 2020 , 10,	3.1	1

146	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
145	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
144	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
143	A Metabolomics Approach to Unravel Infection in Silkworm Bm5 Cells. <i>Viruses</i> , 2019 , 11,	6.2	10
142	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
141	Impact of Red versus White Meat Consumption in a Prudent or Western Dietary Pattern on the Oxidative Status in a Pig Model. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 5661-5671	5.7	6
140	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
139	Validated comprehensive metabolomics and lipidomics analysis of colon tissue and cell lines. <i>Analytica Chimica Acta</i> , 2019 , 1066, 79-92	6.6	17
138	Growth Stimulation Effects of Environmentally Realistic Contaminant Mixtures on a Marine Diatom. <i>Environmental Toxicology and Chemistry</i> , 2019 , 38, 1313-1322	3.8	1
137	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
136	Metabolomics-based biomarker discovery for bee health monitoring: A proof of concept study concerning nutritional stress in <i>Bombus terrestris</i> . <i>Scientific Reports</i> , 2019 , 9, 11423	4.9	6
135	Breast levonorgestrel concentrations in women using a levonorgestrel-releasing intrauterine system. <i>Contraception</i> , 2019 , 100, 299-301	2.5	7
134	Hydrophilic Divinylbenzene for Equilibrium Sorption of Emerging Organic Contaminants in Aquatic Matrices. <i>Environmental Science & Technology</i> , 2019 , 53, 10803-10812	10.3	4
133	Biomarkers of meat and seafood intake: an extensive literature review. <i>Genes and Nutrition</i> , 2019 , 14, 35	4.3	27
132	Nutrimetabolomics: An Integrative Action for Metabolomic Analyses in Human Nutritional Studies. <i>Molecular Nutrition and Food Research</i> , 2019 , 63, e1800384	5.9	107
131	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
130	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
129	Growth Regulation in Amphibian Pathogenic Chytrid Fungi by the Quorum Sensing Metabolite Tryptophol. <i>Frontiers in Microbiology</i> , 2018 , 9, 3277	5.7	3

128	Gibberellin antagonizes jasmonate-induced defense against <i>Meloidogyne graminicola</i> in rice. <i>New Phytologist</i> , 2018 , 218, 646-660	9.8	25
127	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
126	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
125	Urinary specific gravity as an alternative for the normalisation of endocrine metabolite concentrations in giant panda (<i>Ailuropoda melanoleuca</i>) reproductive monitoring. <i>PLoS ONE</i> , 2018 , 13, e0201420	3.7	4
124	Discovery of urinary biomarkers to discriminate between exogenous and semi-endogenous thioracil in cattle: A parallel-like randomized design. <i>PLoS ONE</i> , 2018 , 13, e0195351	3.7	3
123	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
122	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
121	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
120	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
119	Revealing the influence of glucocorticoid treatment on the excretion of anabolic-androgenic steroids in horses through in vitro digestive simulations and an in vivo case study. <i>Research in Veterinary Science</i> , 2017 , 115, 132-137	2.5	1
118	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
117	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
116	Sensory evaluation of boar meat products by trained experts. <i>Food Chemistry</i> , 2017 , 237, 516-524	8.5	6
115	Aminobacter sp. MSH1 invades sand filter community biofilms while retaining 2,6-dichlorobenzamide degradation functionality under C- and N-limiting conditions. <i>FEMS Microbiology Ecology</i> , 2017 , 93,	4.3	3
114	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
113	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
112	Genetic (In)stability of 2,6-Dichlorobenzamide Catabolism in Aminobacter sp. Strain MSH1 Biofilms under Carbon Starvation Conditions. <i>Applied and Environmental Microbiology</i> , 2017 , 83,	4.8	11
111	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

110	Pharmacokinetic and urinary profiling reveals the prednisolone/cortisol ratio as a valid biomarker for prednisolone administration. <i>BMC Veterinary Research</i> , 2017 , 13, 236	2.7	2
109	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
108	Plant-Based Beverages as Good Sources of Free and Glycosidic Plant Sterols. <i>Nutrients</i> , 2017 , 10,	6.7	10
107	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
106	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
105	Validity and Reproducibility of a Food Frequency Questionnaire for Dietary Factors Related to Colorectal Cancer. <i>Nutrients</i> , 2017 , 9,	6.7	12
104	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
103	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
102	Surface Colonization and Activity of the 2,6-Dichlorobenzamide (BAM) Degrading <i>Aminobacter</i> sp. Strain MSH1 at Macro- and Micropollutant BAM Concentrations. <i>Environmental Science & Technology</i> , 2016 , 50, 10123-33	10.3	15
101	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
100	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
99	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, 2868-2881	2.2	23
98	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
97	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
96	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
95	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
94	Metabolic fingerprinting reveals a novel candidate biomarker for prednisolone treatment in cattle. <i>Metabolomics</i> , 2016 , 12, 1	4.7	82
93	Diet-related DNA adduct formation in relation to carcinogenesis. <i>Nutrition Reviews</i> , 2016 , 74, 475-89	6.4	15

92	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
91	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
90	DNA adduct profiling to mechanistically link red meat consumption to colon cancer promotion. <i>Toxicology Research</i> , 2016 , 5, 1346-1358	2.6	19
89	Synthesis of bolaform biosurfactants by an engineered <i>Starmerella bombicola</i> yeast. <i>Biotechnology and Bioengineering</i> , 2016 , 113, 2644-2651	4.9	44
88	Boar taint compound levels in back fat versus meat products: Do they correlate?. <i>Food Chemistry</i> , 2016 , 206, 30-6	8.5	12
87	Validated UPLC-MS/MS Methods To Quantitate Free and Conjugated Alternaria 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
86	Prioritization of contaminated watercourses using an integrated biomarker approach in caged carp. <i>Water Research</i> , 2016 , 99, 129-139	12.5	8
85	Rapid method for the simultaneous detection of boar taint compounds by means of solid phase microextraction coupled to gas chromatography/mass spectrometry. <i>Journal of Chromatography A</i> , 2016 , 1462, 124-33	4.5	7
84	Mouldy feed: A possible explanation for the excretion of anabolic-androgenic steroids in horses. <i>Drug Testing and Analysis</i> , 2016 , 8, 525-34	3.5	3
83	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
82	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
81	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
80	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
79	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
78	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
77	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
76	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
75	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

74	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
73	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
72	High resolution mass spectrometry based profiling of diet-related deoxyribonucleic acid adducts. <i>Analytica Chimica Acta</i> , 2015 , 892, 123-31	6.6	30
71	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
70	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
69	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
68	Validation of a quantitative method using liquid chromatography coupled to multiple mass spectrometry for thiouracil in feedstuffs used in animal husbandry. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 4373-84	4.4	5
67	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
66	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
65	Properties governing the transport of trace organic contaminants through ion-exchange membranes. <i>Environmental Science & Technology</i> , 2015 , 49, 489-97	10.3	38
64	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
63	Steroids in the equine oviduct: synthesis, local concentrations and receptor expression. <i>Reproduction, Fertility and Development</i> , 2015 ,	1.8	13
62	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
61	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
60	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
59	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
58	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
57	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

56	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
55	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
54	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
53	Structural features and feruloylation modulate the fermentability and evolution of antioxidant properties of arabinoxylanoligosaccharides during in vitro fermentation by human gut derived microbiota. <i>Journal of Functional Foods</i> , 2014 , 10, 1-12	5.1	60
52	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
51	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
50	Dietary supplementation of propionylated starch to domestic cats provides propionic acid as gluconeogenic substrate potentially sparing the amino acid valine. <i>Journal of Nutritional Science</i> , 2014 , 3, e16	2.7	4
49	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
48	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
47	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
46	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
45	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
44	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
43	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
42	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
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