Lucien Hoffmann

List of Publications by Year
in descending order

105	9,281	31976	40979
papers	citations	53 h-index	93 g-index

106	106	106	11653
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Rheological and structural characterisation of whey protein acid gels co-structured with chia (Salvia hispanica L.) or flax seed (Linum usitatissimum L.) mucilage. Food Hydrocolloids, 2019, 89, 542-553.	10.7	21
2	Winter honey bee colony losses, Varroa destructor control strategies, and the role of weather conditions: Results from a survey among beekeepers. Research in Veterinary Science, 2018, 118, 52-60.	1.9	43
3	Plant seed mucilage as emerging biopolymer in food industry applications. Current Opinion in Food Science, 2018, 22, 28-42.	8.0	128
4	Magnesium affects spinach carotenoid bioaccessibility in vitro depending on intestinal bile and pancreatic enzyme concentrations. Food Chemistry, 2018, 239, 751-759.	8.2	35
5	Pesticide residue profiles in bee bread and pollen samples and the survival of honeybee coloniesâ€"a case study from Luxembourg. Environmental Science and Pollution Research, 2018, 25, 32163-32177.	5.3	27
6	Negative effects of divalent mineral cations on the bioaccessibility of carotenoids from plant food matrices and related physical properties of gastro-intestinal fluids. Food and Function, 2017, 8, 1008-1019.	4.6	43
7	No influence of supplemental dietary calcium intake on the bioavailability of spinach carotenoids in humans. British Journal of Nutrition, 2017, 117, 1560-1569.	2.3	20
8	Canopy-scale biophysical controls of transpiration and evaporation in the Amazon Basin. Hydrology and Earth System Sciences, 2016, 20, 4237-4264.	4.9	62
9	A European Database of Fusarium graminearum and F. culmorum Trichothecene Genotypes. Frontiers in Microbiology, 2016, 7, 406.	3.5	124
10	Inflammation related responses of intestinal cells to plum and cabbage digesta with differential carotenoid and polyphenol profiles following simulated gastrointestinal digestion. Molecular Nutrition and Food Research, 2016, 60, 992-1005.	3.3	40
11	Proteomic response of inflammatory stimulated intestinal epithelial cells to in vitro digested plums and cabbages rich in carotenoids and polyphenols. Food and Function, 2016, 7, 4388-4399.	4.6	9
12	Diatoms as a tracer of hydrological connectivity: are they supply limited?. Ecohydrology, 2016, 9, 631-645.	2.4	15
13	Chemical stability and bioaccessibility of Î²-carotene encapsulated in sodium alginate o/w emulsions: Impact of Ca2+ mediated gelation. Food Hydrocolloids, 2016, 57, 301-310.	10.7	63
14	Effect of divalent minerals on the bioaccessibility of pure carotenoids and on physical properties of gastro-intestinal fluids. Food Chemistry, 2016, 197, 546-553.	8.2	48
15	Carotenoid and polyphenol bioaccessibility and cellular uptake from plum and cabbage varieties. Food Chemistry, 2016, 197, 325-332.	8.2	81
16	The Luxembourg database of trichothecene type B F. graminearum and F. culmorum producers. Bioinformation, 2016, 12, 1-3.	0.5	14
17	Reintroducing radiometric surface temperature into the <scp>P</scp>enmanâ€<scp>M</scp>onteith formulation. Water Resources Research, 2015, 51, 6214-6243.	4.2	49
18	Correlations between land covers and honey bee colony losses in a country with industrialized and rural regions. Science of the Total Environment, 2015, 532, 1-13.	8.0	55

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19	Diatom flora in subterranean ecosystems: a review. International Journal of Speleology, 2014, 43, 231-251.	1.0	48
20	A survey on some factors potentially affecting losses of managed honey bee colonies in Luxembourg over the winters 2010/2011 and 2011/2012. Journal of Apicultural Research, 2014, 53, 43-56.	1.5	26
21	Carotenoids, polyphenols and micronutrient profiles of Brassica oleraceae and plum varieties and their contribution to measures of total antioxidant capacity. Food Chemistry, 2014, 155, 240-250.	8.2	110
22	Evidence for a reversible drought induced shift in the species composition of mycotoxin producing Fusarium head blight pathogens isolated from symptomatic wheat heads. International Journal of Food Microbiology, 2014, 182-183, 51-56.	4.7	36
23	Selective factors governing in vitro Î²-carotene bioaccessibility: negative influence of low filtration cutoffs and alterations by emulsifiers and food matrices. Nutrition Research, 2014, 34, 1101-1110.	2.9	26
24	New Combinations and Type Analysis ofChamaepinnulariaSpecies (Bacillariophyceae) from Aerial Habitats. Cryptogamie, Algologie, 2013, 34, 149-168.	0.9	20
25	Developing a microbiological growth inhibition screening assay for the detection of 27 veterinary drugs from 13 different classes in animal feedingstuffs. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2013, 30, 1870-1887.	2.3	4
26	A physiological and proteomic study of poplar leaves during ozone exposure combined with mild drought. Proteomics, 2013, 13, 1737-1754.	2.2	27
27	Carotenoid exposure of Caco-2 intestinal epithelial cells did not affect selected inflammatory markers but altered their proteomic response. British Journal of Nutrition, 2012, 108, 963-973.	2.3	21
28	The Influence of Sediment Sources and Hydrologic Events on the Nutrient and Metal Content of Fine-Grained Sediments (Attert River Basin, Luxembourg). Water, Air, and Soil Pollution, 2012, 223, 5685-5705.	2.4	31
29	Atrazine and PCB 153 and their effects on the proteome of subcellular fractions of human MCF-7 cells. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2012, 1824, 833-841.	2.3	23
30	Polyphenol and glycoalkaloid contents in potato cultivars grown in Luxembourg. Food Chemistry, 2012, 135, 2814-2824.	8.2	106
31	Dynamics of storm-driven suspended sediments in a headwater catchment described by multivariable modeling. Journal of Soils and Sediments, 2012, 12, 620-635.	3.0	26
32	Bioaccessible and dialysable polyphenols in selected apple varieties following in vitro digestion vs. their native patterns. Food Chemistry, 2012, 131, 1466-1472.	8.2	214
33	Contribution of violaxanthin, neoxanthin, phytoene and phytofluene to total carotenoid intake: Assessment in Luxembourg. Journal of Food Composition and Analysis, 2012, 25, 56-65.	3.9	85
34	Hydrogeologic and landscape controls of dissolved inorganic nitrogen (DIN) and dissolved silica (DSi) fluxes in heterogeneous catchments. Journal of Hydrology, 2012, 450-451, 36-47.	5.4	94
35	A Difference Gel Electrophoresis Study on Thylakoids Isolated from Poplar Leaves Reveals a Negative Impact of Ozone Exposure on Membrane Proteins. Journal of Proteome Research, 2011, 10, 3003-3011.	3.7	20
36	Antioxidative Mechanisms of Whole-Apple Antioxidants Employing Different Varieties from Luxembourg. Journal of Medicinal Food, 2011, 14, 1631-1637.	1.5	24

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37	Molecular phylogeny of the family Bacillariaceae based on 18S rDNA sequences: focus on freshwaterNitzschiaof the sectionLanceolatae. Diatom Research, 2011, 26, 273-291.	1.2	63
38	Comparative Analysis of Genetic Chemotyping Methods for Fusarium: Tri13 Polymorphism Does not Discriminate between 3- and 15-acetylated Deoxynivalenol Chemotypes in Fusarium graminearum. Journal of Phytopathology, 2011, 159, 700-704.	1.0	24
39	Proteomic analysis of plasma samples from patients with acute myocardial infarction identifies haptoglobin as a potential prognostic biomarker. Journal of Proteomics, 2011, 75, 229-236.	2.4	50
40	Evidence for natural resistance towards trifloxystrobin in Fusarium graminearum. European Journal of Plant Pathology, 2011, 130, 239-248.	1.7	38
41	Two-year monitoring of Cryptosporidium parvum and Giardia lamblia occurrence in a recreational and drinking water reservoir using standard microscopic and molecular biology techniques. Environmental Monitoring and Assessment, 2011, 179, 163-175.	2.7	43
42	Carbohydrate metabolism and cell protection mechanisms differentiate drought tolerance and sensitivity in advanced potato clones (Solanum tuberosum L.). Functional and Integrative Genomics, 2011, 11, 275-291.	3.5	36
43	Dietary and host-related factors influencing carotenoid bioaccessibility from spinach (Spinacia) Tj ETQq1 1 0.784314 rgBT /Overlock 10	8.2	68
44	Total phenolics, flavonoids, anthocyanins and antioxidant activity following simulated gastro-intestinal digestion and dialysis of apple varieties: Bioaccessibility and potential uptake. Food Chemistry, 2011, 128, 14-21.	8.2	499
45	Poplar under drought: Comparison of leaf and cambial proteomic responses. Journal of Proteomics, 2011, 74, 1396-1410.	2.4	46
46	Evaluation and comparison of nutritional quality and bioactive compounds of berry fruits from Lonicera caerulea, Ribes L. species and Rubus idaeus grown in Russia. Journal of Berry Research, 2011, 1, 159-167.	1.4	16
47	Divalent Minerals Decrease Micellarization and Uptake of Carotenoids and Digestion Products into Caco-2 Cells. Journal of Nutrition, 2011, 141, 1769-1776.	2.9	68
48	A rapid spectral-reflectance-based fingerprinting approach for documenting suspended sediment sources during storm runoff events. Journal of Soils and Sediments, 2010, 10, 400-413.	3.0	76
49	The use of sediment colour measured by diffuse reflectance spectrometry to determine sediment sources: Application to the Attert River catchment (Luxembourg). Journal of Hydrology, 2010, 382, 49-63.	5.4	129
50	Assessing the impact of mixing assumptions on the estimation of streamwater mean residence time. Hydrological Processes, 2010, 24, 1730-1741.	2.6	83
51	Groundâ€based thermal imagery as a simple, practical tool for mapping saturated area connectivity and dynamics. Hydrological Processes, 2010, 24, 3123-3132.	2.6	65
52	Development of a multi-class method for the quantification of veterinary drug residues in feedingstuffs by liquid chromatography-tandem mass spectrometry. Journal of Chromatography A, 2010, 1217, 6394-6404.	3.7	127
53	Comparison of 3 Spectrophotometric Methods for Carotenoid Determination in Frequently Consumed Fruits and Vegetables. Journal of Food Science, 2010, 75, C55-61.	3.1	167
54	Identification of drought-responsive compounds in potato through a combined transcriptomic and targeted metabolite approach. Journal of Experimental Botany, 2010, 61, 2327-2343.	4.8	156

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55	Differential impact of chronic ozone exposure on expanding and fully expanded poplar leaves. Tree Physiology, 2010, 30, 1415-1432.	3.1	30
56	Assessment of different colour parameters for discriminating potential suspended sediment sources and provenance: A multi-scale study in Luxembourg. Geomorphology, 2010, 118, 118-129.	2.6	74
57	Changes in diatom-dominated biofilms during simulated improvements in water quality: implications for diatom-based monitoring in rivers. European Journal of Phycology, 2009, 44, 567-577.	2.0	29
58	Water Level Estimation and Reduction of Hydraulic Model Calibration Uncertainties Using Satellite SAR Images of Floods. IEEE Transactions on Geoscience and Remote Sensing, 2009, 47, 431-441.	6.3	108
59	The rivers are alive: on the potential for diatoms as a tracer of water source and hydrological connectivity. Hydrological Processes, 2009, 23, 2841-2845.	2.6	61
60	The impact of atmospheric composition on plants: A case study of ozone and poplar. Mass Spectrometry Reviews, 2009, 28, 495-516.	5.4	64
61	Ecophysiological responses of nine floodplain meadow species to changing hydrological conditions. Plant Ecology, 2009, 201, 589-598.	1.6	18
62	Monitoring gene expression of potato under salinity using cDNA microarrays. Plant Cell Reports, 2009, 28, 1799-1816.	5.6	27
63	NITZSCHIA ALICAE SP. NOV. AND N. PURIFORMIS SP. NOV., NEW DIATOMS FROM EUROPEAN RIVERS AND COMPARISON WITH THE TYPE MATERIAL OF N. SUBLINEARIS AND N. PURA¹. Journal of Phycology, 2009, 45, 742-760.	2.3	10
64	Influence of environment and genotype on polyphenol compounds and in vitro antioxidant capacity of native Andean potatoes (Solanum tuberosum L.). Journal of Food Composition and Analysis, 2009, 22, 517-524.	3.9	79
65	Gene expression changes related to the production of phenolic compounds in potato tubers grown under drought stress. Phytochemistry, 2009, 70, 1107-1116.	2.9	182
66	Proteomic and enzymatic response of poplar to cadmium stress. Journal of Proteomics, 2009, 72, 379-396.	2.4	121
67	Simultaneous measurement of proline and related compounds in oak leaves by high-performance ligand-exchange chromatography and electrospray ionization mass spectrometry for environmental stress studies. Journal of Chromatography A, 2009, 1216, 1094-1099.	3.7	27
68	Effects of the Endocrine Disruptors Atrazine and PCB 153 on the Protein Expression of MCF-7 Human Cells. Journal of Proteome Research, 2009, 8, 5485-5496.	3.7	94
69	Occurrence and persistence of enteroviruses, noroviruses and F-specific RNA phages in natural wastewater biofilms. Water Research, 2009, 43, 4780-4789.	11.3	62
70	Combining Proteomics and Metabolite Analyses To Unravel Cadmium Stress-Response in Poplar Leaves. Journal of Proteome Research, 2009, 8, 400-417.	3.7	142
71	Modification of the Health-Promoting Value of Potato Tubers Field Grown under Drought Stress: Emphasis on Dietary Antioxidant and Glycoalkaloid Contents in Five Native Andean Cultivars (Solanum tuberosum L.). Journal of Agricultural and Food Chemistry, 2009, 57, 599-609.	5.2	52
72	Seasonal cyanobacterial dynamics in a mesoeutrophic reservoir: microscopic counts and DGGE (Denaturing Gradient Gel Electrophoresis). Algological Studies (Stuttgart, Germany: 2007), 2009, 129, 71-94.	0.4	1

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73	Nomenclatural validation of the genetically revised cyanobacterial genus Dolichospermum (RALFS ex) Tj ETQq1 1 0.784314 rgBT /Ove	0.9	192
74	Quantitative changes in protein expression of cadmiumâ€exposed poplar plants. Proteomics, 2008, 8, 2514-2530.	2.2	200
75	Gene expression in potato during cold exposure: Changes in carbohydrate and polyamine metabolisms. Plant Science, 2008, 175, 839-852.	3.6	64
76	Interactions of Cryptosporidium parvum , Giardia lamblia , Vaccinal Poliovirus Type 1, and Bacteriophages Ï†X174 and MS2 with a Drinking Water Biofilm and a Wastewater Biofilm. Applied and Environmental Microbiology, 2008, 74, 2079-2088.	3.1	83
77	Evaluating uncertain flood inundation predictions with uncertain remotely sensed water stages. International Journal of River Basin Management, 2008, 6, 187-199.	2.7	17
78	Ecophysiological responses of nine floodplain meadow species to changing hydrological conditions. , 2008, , 225-234.		1
79	Biochemical characterization of early and late bud flushing in common ash (Fraxinus excelsior L.). Plant Science, 2007, 172, 962-969.	3.6	32
80	Alteration of oxidative and carbohydrate metabolism under abiotic stress in two rice (Oryza sativa L.) genotypes contrasting in chilling tolerance. Journal of Plant Physiology, 2007, 164, 157-167.	3.5	215
81	High-Resolution 3-D Flood Information From Radar Imagery for Flood Hazard Management. IEEE Transactions on Geoscience and Remote Sensing, 2007, 45, 1715-1725.	6.3	155
82	Andean Potato Cultivars (Solanum tuberosumL.) as a Source of Antioxidant and Mineral Micronutrients. Journal of Agricultural and Food Chemistry, 2007, 55, 366-378.	5.2	249
83	Antioxidant Profiling of Native Andean Potato Tubers (Solanum tuberosum L.) Reveals Cultivars with High Levels of Î²-Carotene, Î±-Tocopherol, Chlorogenic Acid, and Petanin. Journal of Agricultural and Food Chemistry, 2007, 55, 10839-10849.	5.2	147
84	A DIGE analysis of developing poplar leaves subjected to ozone reveals major changes in carbon metabolism. Proteomics, 2007, 7, 1584-1599.	2.2	104
85	MORPHOLOGICAL AND MOLECULAR CHARACTERIZATION OF PLANKTONIC CYANOBACTERIA FROM BELGIUM AND LUXEMBOURG1. Journal of Phycology, 2006, 42, 1312-1332.	2.3	126
86	Analysis of carbohydrates in plants by high-performance anion-exchange chromatography coupled with electrospray mass spectrometry. Journal of Chromatography A, 2005, 1085, 137-142.	3.7	97
87	Biochemical and physiological mechanisms related to cold acclimation and enhanced freezing tolerance in poplar plantlets. Physiologia Plantarum, 2005, 125, 82-94.	5.2	79
88	Dissolved and particulate nutrient export from rural catchments: A case study from Luxembourg. Science of the Total Environment, 2005, 344, 51-65.	8.0	85
89	Distribution of Hepatotoxic Cyanobacterial Blooms in Belgium and Luxembourg. Hydrobiologia, 2005, 551, 99-117.	2.0	71
90	Response of diatom indices to simulated water quality improvements in a river. Journal of Applied Phycology, 2005, 17, 119-128.	2.8	64

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91	Taxonomic consequences from the combined molecular and phenotype evaluation of selected Anabaena and Aphanizomenon strains. Algological Studies, 2005, 117, 371-391.	0.1	64
92	System of cyanoprokaryotes (cyanobacteria) state in 2004. Algological Studies, 2005, 117, 95-115.	0.1	167
93	Phylogenetic and morphological evaluation of the genera Anabaena, Aphanizomenon, Trichormus and Nostoc (Nostocales, Cyanobacteria). International Journal of Systematic and Evolutionary Microbiology, 2005, 55, 11-26.	1.7	297
94	Assessing the hydrological effects of Landuse changes using distributed hydrological modelling and GIS. International Journal of River Basin Management, 2005, 3, 261-271.	2.7	6
95	Housekeeping gene selection for real-time RT-PCR normalization in potato during biotic and abiotic stress. Journal of Experimental Botany, 2005, 56, 2907-2914.	4.8	1,118
96	Analysing the effect of climate changes on streamflow using statistically downscaled GCM scenarios. International Journal of River Basin Management, 2004, 2, 271-280.	2.7	40
97	Polyphyly of true branching cyanobacteria (Stigonematales). International Journal of Systematic and Evolutionary Microbiology, 2004, 54, 349-357.	1.7	164
98	Spatial Variability of Trends in the Rainfall-Runoff Relationship: A Mesoscale Study in the Mosel Basin. Climatic Change, 2004, 66, 67-87.	3.6	18
99	Morphological and molecular characterisation of a stigonematalean cyanobacterium isolated from a Spanish cave. Algological Studies, 2003, 109, 259-265.	0.1	8
100	Phylum BX. Cyanobacteria. , 2001, , 473-599.		264
101	Recent Trends in Rainfall-Runoff Characteristics in the Alzette River Basin, Luxembourg. Climatic Change, 2000, 45, 323-337.	3.6	42
102	Lyngbyapeptin A, a modified tetrapeptide from Lyngbya bouillonii (Cyanophyceae). Tetrahedron Letters, 1999, 40, 695-696.	1.4	44
103	Laingolide, a novel 15-membered macrolide from Lyngbya bouillonii (cyanophyceae). Tetrahedron Letters, 1996, 37, 7519-7520.	1.4	63
104	Cyanidium-like algae from caves. , 1994, , 175-182.		18
105	Algae of terrestrial habitats. Botanical Review, The, 1989, 55, 77-105.	3.9	222