

# Nina Hermans

## List of Publications by Citations

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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.

85  
papers

2,291  
citations

25  
h-index

46  
g-index

89  
ext. papers

2,616  
ext. citations

4.3  
avg, IF

4.5  
L-index

#	Paper	IF	Citations
85	Correlation between chemical composition and antibacterial activity of essential oils of some aromatic medicinal plants growing in the Democratic Republic of Congo. <i>Journal of Ethnopharmacology</i> , <b>2002</b> , 79, 213-20	5	386
84	Proanthocyanidins in health care: current and new trends. <i>Current Medicinal Chemistry</i> , <b>2004</b> , 11, 1345-59	4.3	286
83	Further evaluation of Rwandan medicinal plant extracts for their antimicrobial and antiviral activities. <i>Journal of Ethnopharmacology</i> , <b>2002</b> , 79, 155-63	5	80
82	DPP4 inhibition improves functional outcome after renal ischemia-reperfusion injury. <i>American Journal of Physiology - Renal Physiology</i> , <b>2012</b> , 303, F681-8	4.3	79
81	Plant substances as anti-HIV agents selected according to their putative mechanism of action. <i>Journal of Natural Products</i> , <b>2004</b> , 67, 284-93	4.9	79
80	In vivo antioxidative activity of a quantified Pueraria lobata root extract. <i>Journal of Ethnopharmacology</i> , <b>2010</b> , 127, 112-7	5	72
79	Challenges and pitfalls in antioxidant research. <i>Current Medicinal Chemistry</i> , <b>2007</b> , 14, 417-30	4.3	68
78	In-vivo antimalarial activity of Cassia occidentalis Morinda morindoides and Phyllanthus niruri. <i>Annals of Tropical Medicine and Parasitology</i> , <b>2001</b> , 95, 47-57		65
77	Nutrition, immunological mechanisms and dietary immunomodulation in ADHD. <i>European Child and Adolescent Psychiatry</i> , <b>2014</b> , 23, 519-29	5.5	61
76	Complement-inhibiting iridoids from Morinda morindoides. <i>Journal of Natural Products</i> , <b>2003</b> , 66, 97-102	4.9	59
75	Radical scavenging and xanthine oxidase inhibitory activity of phenolic compounds from Bridelia ferruginea stem bark. <i>Journal of Pharmacy and Pharmacology</i> , <b>2001</b> , 53, 757-61	4.8	51
74	Antiviral activity of Rwandan medicinal plants against human immunodeficiency virus type-1 (HIV-1). <i>Phytomedicine</i> , <b>2002</b> , 9, 62-8	6.5	50
73	Screening of Tanzanian medicinal plants against Plasmodium falciparum and human immunodeficiency virus. <i>Planta Medica</i> , <b>2010</b> , 76, 195-201	3.1	47
72	Dietary silicon intake in Belgium: Sources, availability from foods, and human serum levels. <i>Science of the Total Environment</i> , <b>2009</b> , 407, 4777-82	10.2	37
71	Ultra high performance liquid chromatography versus high performance liquid chromatography: stationary phase selectivity for generic carotenoid screening. <i>Journal of Chromatography A</i> , <b>2014</b> , 1332, 46-56	4.5	36
70	Cytotoxicity and in vitro susceptibility of Entamoeba histolytica to Morinda morindoides leaf extracts and its isolated constituents. <i>Journal of Ethnopharmacology</i> , <b>2006</b> , 107, 83-90	5	36
69	speaq 2.0: A complete workflow for high-throughput 1D NMR spectra processing and quantification. <i>PLoS Computational Biology</i> , <b>2018</b> , 14, e1006018	5	34

68	Chemical Composition and Antifungal Activity of Essential Oils of Some Aromatic Medicinal Plants Growing in the Democratic Republic of Congo. <i>Journal of Essential Oil Research</i> , <b>2002</b> , 14, 382-387	2.3	34
67	Can red yeast rice and olive extract improve lipid profile and cardiovascular risk in metabolic syndrome?: A double blind, placebo controlled randomized trial. <i>BMC Complementary and Alternative Medicine</i> , <b>2015</b> , 15, 52	4.7	31
66	Comparative study of eight well-known polyphenolic antioxidants. <i>Journal of Pharmacy and Pharmacology</i> , <b>2003</b> , 55, 1291-7	4.8	31
65	Interaction between differential gene expression profile and phenotype in bovine blastocysts originating from oocytes exposed to elevated non-esterified fatty acid concentrations. <i>Reproduction, Fertility and Development</i> , <b>2015</b> , 27, 372-84	1.8	29
64	Unravelling ionization and fragmentation pathways of carotenoids using orbitrap technology: a first step towards identification of unknowns. <i>Journal of Mass Spectrometry</i> , <b>2013</b> , 48, 740-54	2.2	27
63	Phytochemical and biological investigations of <i>Elaeodendron schlechteranum</i> . <i>Journal of Ethnopharmacology</i> , <b>2010</b> , 129, 319-26	5	27
62	Dietary Polyphenols Targeting Arterial Stiffness: Interplay of Contributing Mechanisms and Gut Microbiome-Related Metabolism. <i>Nutrients</i> , <b>2019</b> , 11,	6.7	25
61	A First Step in the Quest for the Active Constituents in <i>Filipendula ulmaria</i> (Meadowsweet): Comprehensive Phytochemical Identification by Liquid Chromatography Coupled to Quadrupole-Orbitrap Mass Spectrometry. <i>Planta Medica</i> , <b>2016</b> , 82, 559-72	3.1	25
60	Method development and validation for monitoring in vivo oxidative stress: evaluation of lipid peroxidation and fat-soluble vitamin status by HPLC in rat plasma. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2005</b> , 822, 33-9	3.2	25
59	In vitro antiplasmodial activity of callus culture extracts and fractions from fresh apical stems of <i>Phyllanthus niruri</i> L. (Euphorbiaceae): part 2. <i>Journal of Ethnopharmacology</i> , <b>2004</b> , 95, 399-404	5	24
58	Development and Validation of an in vitro Experimental Gastrointestinal Dialysis Model with Colon Phase to Study the Availability and Colonic Metabolisation of Polyphenolic Compounds. <i>Planta Medica</i> , <b>2015</b> , 81, 1075-83	3.1	23
57	Rationale for Dietary Antioxidant Treatment of ADHD. <i>Nutrients</i> , <b>2018</b> , 10,	6.7	21
56	Oxidative stress and immune aberrancies in attention-deficit/hyperactivity disorder (ADHD): a case-control comparison. <i>European Child and Adolescent Psychiatry</i> , <b>2019</b> , 28, 719-729	5.5	20
55	Complement modulating activity of Rwandan medicinal plants. <i>Phytomedicine</i> , <b>2002</b> , 9, 56-61	6.5	18
54	Generic characterization of apolar metabolites in red chili peppers ( <i>Capsicum frutescens</i> L.) by orbitrap mass spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , <b>2014</b> , 62, 4812-31	5.7	17
53	A red yeast rice-olive extract supplement reduces biomarkers of oxidative stress, OxLDL and Lp-PLA, in subjects with metabolic syndrome: a randomised, double-blind, placebo-controlled trial. <i>Trials</i> , <b>2017</b> , 18, 302	2.8	16
52	Biomarkers of Metabolic Syndrome: Biochemical Background and Clinical Significance. <i>Metabolic Syndrome and Related Disorders</i> , <b>2016</b> , 14, 47-93	2.6	16
51	Investigation of the in vivo antioxidative activity of <i>Cynara scolymus</i> (artichoke) leaf extract in the streptozotocin-induced diabetic rat. <i>Molecular Nutrition and Food Research</i> , <b>2014</b> , 58, 211-5	5.9	16

50	Antihepatotoxic activity of a quantified <i>Desmodium adscendens</i> decoction and D-pinitol against chemically-induced liver damage in rats. <i>Journal of Ethnopharmacology</i> , <b>2013</b> , 146, 250-6	5	15
49	Study of potential systemic oxidative stress animal models for the evaluation of antioxidant activity: status of lipid peroxidation and fat-soluble antioxidants. <i>Journal of Pharmacy and Pharmacology</i> , <b>2007</b> , 59, 131-6	4.8	15
48	Antiamoebic activity of iridoids from <i>Morinda morindoides</i> leaves. <i>Planta Medica</i> , <b>2006</b> , 72, 751-3	3.1	15
47	Revelation of the metabolic pathway of hederacoside C using an innovative data analysis strategy for dynamic multiclass biotransformation experiments. <i>Journal of Chromatography A</i> , <b>2019</b> , 1595, 240-247	4.5	13
46	Antioxidant and Antiglycating Constituents from Leaves of <i>Ziziphus oxyphylla</i> and <i>Cedrela serrata</i> . <i>Antioxidants</i> , <b>2016</b> , 5,	7.1	13
45	The effect of a negative energy balance status on $\beta$ -carotene availability in serum and follicular fluid of nonlactating dairy cows. <i>Journal of Dairy Science</i> , <b>2016</b> , 99, 5808-5819	4	13
44	Novel Natural Products for Healthy Ageing from the Mediterranean Diet and Food Plants of Other Global Sources-The MediHealth Project. <i>Molecules</i> , <b>2018</b> , 23,	4.8	12
43	Plasma selenium levels in healthy blood bank donors in the central-eastern part of Belgium. <i>Journal of Trace Elements in Medicine and Biology</i> , <b>2007</b> , 21, 225-33	4.1	12
42	Anticomplement and antioxidant activities of new acetylated flavonoid glycosides from <i>Centaureum spicatum</i> . <i>Planta Medica</i> , <b>2003</b> , 69, 1153-6	3.1	12
41	Effect of various diets on biomarkers of the metabolic syndrome. <i>International Journal of Food Sciences and Nutrition</i> , <b>2017</b> , 68, 627-641	3.7	11
40	Kavalactones, a novel class of protein glycation and lipid peroxidation inhibitors. <i>Planta Medica</i> , <b>2014</b> , 80, 1001-8	3.1	11
39	Selenium Status in Elderly People: Longevity and Age-Related Diseases. <i>Current Pharmaceutical Design</i> , <b>2019</b> , 25, 1694-1706	3.3	11
38	Magnesium, Iron, Zinc, Copper and Selenium Status in Attention-Deficit/Hyperactivity Disorder (ADHD). <i>Molecules</i> , <b>2020</b> , 25,	4.8	11
37	NecroX-7 reduces necrotic core formation in atherosclerotic plaques of Apoe knockout mice. <i>Atherosclerosis</i> , <b>2016</b> , 252, 166-174	3.1	11
36	Development and validation of a robust high-performance liquid chromatographic method for the analysis of monacolins in red yeast rice. <i>Food Chemistry</i> , <b>2017</b> , 234, 33-37	8.5	10
35	Effect of Pycnogenol <sup>®</sup> on attention-deficit hyperactivity disorder (ADHD): study protocol for a randomised controlled trial. <i>Trials</i> , <b>2017</b> , 18, 145	2.8	10
34	Compound Characterization and Metabolic Profile Elucidation after In Vitro Gastrointestinal and Hepatic Biotransformation of an Extract Using Unbiased Dynamic Metabolomic Data Analysis. <i>Metabolites</i> , <b>2020</b> , 10,	5.6	9
33	5-O-Demethylnobiletin, a polymethoxylated flavonoid, from <i>Citrus depressa</i> Hayata peel prevents protein glycation. <i>Journal of Functional Foods</i> , <b>2014</b> , 11, 243-249	5.1	9

32	Tackling the challenge of selective analytical clean-up of complex natural extracts: the curious case of chlorophyll removal. <i>Food Chemistry</i> , <b>2014</b> , 163, 147-53	8.5	9
31	Automated analytical standard production with supercritical fluid chromatography for the quantification of bioactive C17-polyacetyles: a case study on food processing waste. <i>Food Chemistry</i> , <b>2014</b> , 165, 371-8	8.5	9
30	Toll-Like Receptor-Dependent Immunomodulatory Activity of Pycnogenol. <i>Nutrients</i> , <b>2019</b> , 11,	6.7	8
29	Optimization of an in vitro gut microbiome biotransformation platform with chlorogenic acid as model compound: From fecal sample to biotransformation product identification. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2019</b> , 175, 112768	3.5	7
28	Biomarkers of the metabolic syndrome: Influence of minerals, oligo- and trace elements. <i>Journal of Trace Elements in Medicine and Biology</i> , <b>2017</b> , 43, 23-28	4.1	7
27	Demonstrating the involvement of an active efflux mechanism in the intestinal absorption of chlorogenic acid and quinic acid using a Caco-2 bidirectional permeability assay. <i>Food and Function</i> , <b>2021</b> , 12, 417-425	6.1	7
26	Vegetable relishes, high in $\beta$ -carotene, increase the iron, zinc and $\beta$ -carotene nutritive values from cereal porridges. <i>International Journal of Food Sciences and Nutrition</i> , <b>2018</b> , 69, 291-297	3.7	7
25	An experimental investigation of the effect of TV cooking show consumption on children's food choice behaviour. <i>International Journal of Consumer Studies</i> , <b>2018</b> , 42, 402-408	5.7	6
24	Anti-infective, cytotoxic and antioxidant activity of <i>Ziziphus oxyphylla</i> and <i>Cedrela serrata</i> . <i>Asian Pacific Journal of Tropical Biomedicine</i> , <b>2016</b> , 6, 671-676	1.4	6
23	In vitro antigenotoxic activity, in silico ADME prediction and protective effects against aflatoxin B induced hepatotoxicity in rats of an <i>Erythrina latissima</i> stem bark extract. <i>Food and Chemical Toxicology</i> , <b>2020</b> , 135, 110768	4.7	6
22	Personalized nutrition in ageing society: redox control of major-age related diseases through the NutRedOx Network (COST Action CA16112). <i>Free Radical Research</i> , <b>2019</b> , 53, 1163-1170	4	5
21	Improving Method Reliability in Carotenoid Analysis through Selective Removal of Glycerolipid Interferences by Lipase Treatment. <i>Journal of Agricultural and Food Chemistry</i> , <b>2014</b> , 62, 3114-3124	5.7	5
20	Blood selenium levels and factors influencing concentration values. <i>Trace Elements and Electrolytes</i> , <b>2012</b> , 29, 172-188	1.8	5
19	Investigating the nutrient content of food prepared in popular children's TV cooking shows. <i>British Food Journal</i> , <b>2018</b> , 120, 2102-2115	2.8	5
18	Chlorogenic Acid as a Model Compound for Optimization of an In Vitro Gut Microbiome-Metabolism Model. <i>Proceedings (mdpi)</i> , <b>2019</b> , 11, 31	0.3	4
17	Ruby chocolate: A study of its phytochemical composition and quantitative comparison with dark, milk and white chocolate. <i>Food Chemistry</i> , <b>2021</b> , 343, 128446	8.5	4
16	Availability and Metabolic Fate of Olive Phenolic Alcohols Hydroxytyrosol and Tyrosol in the Human GI Tract Simulated by the In Vitro GIDM Colon Model. <i>Metabolites</i> , <b>2022</b> , 12, 391	5.6	4
15	In Vitro and In Vivo Study of the Gastrointestinal Absorption and Metabolisation of Hymenocardine, a Cyclopeptide Alkaloid. <i>Planta Medica</i> , <b>2017</b> , 83, 790-796	3.1	3

14	In vitro gastrointestinal biotransformation and characterization of a <i>Desmodium adscendens</i> decoction: the first step in unravelling its behaviour in the human body. <i>Journal of Pharmacy and Pharmacology</i> , <b>2018</b> , 70, 1414-1422	4.8	3
13	Prolyl carboxypeptidase activity in the circulation and its correlation with body weight and adipose tissue in lean and obese subjects. <i>PLoS ONE</i> , <b>2018</b> , 13, e0197603	3.7	3
12	Biomarkers of the metabolic syndrome: influence of selected foodstuffs, containing bioactive components. <i>Phytochemistry Reviews</i> , <b>2018</b> , 17, 351-377	7.7	2
11	Development and validation of a gas chromatographic method for the quantification of D-pinitol in decoctions of <i>Desmodium adscendens</i> . <i>Phytochemistry Letters</i> , <b>2014</b> , 7, 19-25	1.9	2
10	Holothuria triterpene glycosides: a comprehensive guide for their structure elucidation and critical appraisal of reported compounds. <i>Phytochemistry Reviews</i> , 1	7.7	2
9	Simulated Gastrointestinal Biotransformation of Chlorogenic Acid, Flavonoids, Flavonolignans and Triterpenoid Saponins in <i>Cecropia obtusifolia</i> Leaf Extract. <i>Planta Medica</i> , <b>2021</b> , 87, 404-416	3.1	2
8	Plasma selenium levels in healthy blood bank donors at the coastal area of Belgium. <i>Trace Elements and Electrolytes</i> , <b>2010</b> , 27, 47-56	1.8	2
7	Protective Effects of Dietary Polyphenols on Arterial Stiffness. <i>Proceedings (mdpi)</i> , <b>2019</b> , 11, 40	0.3	1
6	Antiplasmodial activity of constituents and their metabolites after in vitro gastrointestinal biotransformation of a <i>Nauclea pobeguini</i> extract. <i>Phytochemistry</i> , <b>2021</b> , 194, 113029	4	1
5	Effects of medicagenic acid metabolites, originating from biotransformation of an <i>Herniaria hirsuta</i> extract, on calcium oxalate crystallization in vitro. <i>Journal of Ethnopharmacology</i> , <b>2021</b> , 285, 114860	5	1
4	A comparative study on the in vitro biotransformation of medicagenic acid using human liver microsomes and S9 fractions. <i>Chemico-Biological Interactions</i> , <b>2020</b> , 328, 109192	5	1
3	Obesity influences the microbiotic biotransformation of chlorogenic acid.. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2021</b> , 211, 114550	3.5	
2	Protective effects of methanolic leaf extracts of <i>Monanthotaxis caffra</i> against aflatoxin B1-induced hepatotoxicity in rats.. <i>Onderstepoort Journal of Veterinary Research</i> , <b>2022</b> , 89, e1-e6	1.9	
1	A novel triterpene glycoside from the sea cucumber <i>Holothuria atra</i> . <i>Planta Medica</i> , <b>2021</b> , 87,	3.1	