

Hannelore Daniel

List of Publications by Year in descending order

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Version: 2024-02-01

81
papers

4,374
citations

172457

29
h-index

110387

64
g-index

109
all docs

109
docs citations

109
times ranked

7057
citing authors

#	ARTICLE	IF	CITATIONS
1	High-fat diet alters gut microbiota physiology in mice. <i>ISME Journal</i> , 2014, 8, 295-308.	9.8	583
2	Molecular and Integrative Physiology of Intestinal Peptide Transport. <i>Annual Review of Physiology</i> , 2004, 66, 361-384.	13.1	513
3	The proton oligopeptide cotransporter family SLC15 in physiology and pharmacology. <i>Pflugers Archiv European Journal of Physiology</i> , 2004, 447, 610-618.	2.8	416
4	The Role of SGLT1 and GLUT2 in Intestinal Glucose Transport and Sensing. <i>PLoS ONE</i> , 2014, 9, e89977.	2.5	306
5	Effect of personalized nutrition on health-related behaviour change: evidence from the Food4me European randomized controlled trial. <i>International Journal of Epidemiology</i> , 2017, 46, dyw186.	1.9	219
6	From Bacteria to Man: Archaic Proton-Dependent Peptide Transporters at Work. <i>Physiology</i> , 2006, 21, 93-102.	3.1	170
7	Intestinal microbiota in metabolic diseases. <i>Gut Microbes</i> , 2014, 5, 544-551.	9.8	170
8	Design and baseline characteristics of the Food4Me study: a web-based randomised controlled trial of personalised nutrition in seven European countries. <i>Genes and Nutrition</i> , 2015, 10, 450.	2.5	134
9	Methyl-donor supplementation in obese mice prevents the progression of NAFLD, activates AMPK and decreases acyl-carnitine levels. <i>Molecular Metabolism</i> , 2014, 3, 565-580.	6.5	84
10	Effect of an Internet-based, personalized nutrition randomized trial on dietary changes associated with the Mediterranean diet: the Food4Me Study. <i>American Journal of Clinical Nutrition</i> , 2016, 104, 288-297.	4.7	77
11	An update on renal peptide transporters. <i>American Journal of Physiology - Renal Physiology</i> , 2003, 284, F885-F892.	2.7	74
12	A Novel Inhibitor of the Mammalian Peptide Transporter PEPT1. <i>Biochemistry</i> , 2001, 40, 4454-4458.	2.5	63
13	Association between Diet-Quality Scores, Adiposity, Total Cholesterol and Markers of Nutritional Status in European Adults: Findings from the Food4Me Study. <i>Nutrients</i> , 2018, 10, 49.	4.1	61
14	Metabolomics of prolonged fasting in humans reveals new catabolic markers. <i>Metabolomics</i> , 2011, 7, 375-387.	3.0	59
15	Transport of di- and tripeptides in teleost fish intestine. <i>Aquaculture Research</i> , 2010, 41, 641-653.	1.8	55
16	Plasma metabolome analysis identifies distinct human metabolotypes in the postprandial state with different susceptibility to weight loss-mediated metabolic improvements. <i>FASEB Journal</i> , 2018, 32, 5447-5458.	0.5	54
17	Amino Acid Transport Associated to Cluster of Differentiation 98 Heavy Chain (CD98hc) Is at the Cross-road of Oxidative Stress and Amino Acid Availability. <i>Journal of Biological Chemistry</i> , 2016, 291, 9700-9711.	3.4	50
18	Can genetic-based advice help you lose weight? Findings from the Food4Me European randomized controlled trial. <i>American Journal of Clinical Nutrition</i> , 2017, 105, 1204-1213.	4.7	50

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19	Bidirectional electrogenic transport of peptides by the proton-coupled carrier PEPT1 in <i>Xenopus laevis</i> oocytes: its asymmetry and symmetry. <i>Journal of Physiology</i> , 2001, 536, 495-503.	2.9	47
20	Physical activity attenuates the effect of the <i>FTO</i> genotype on obesity traits in European adults: The Food4Me study. <i>Obesity</i> , 2016, 24, 962-969.	3.0	47
21	Glyoxylate, a New Marker Metabolite of Type 2 Diabetes. <i>Journal of Diabetes Research</i> , 2014, 2014, 1-9.	2.3	44
22	How reliable is internet-based self-reported identity, socio-demographic and obesity measures in European adults?. <i>Genes and Nutrition</i> , 2015, 10, 28.	2.5	42
23	Application of dried blood spots to determine vitamin D status in a large nutritional study with unsupervised sampling: the Food4Me project. <i>British Journal of Nutrition</i> , 2016, 115, 202-211.	2.3	42
24	Loss of function mutation of the <i>Slc38a3</i> glutamine transporter reveals its critical role for amino acid metabolism in the liver, brain, and kidney. <i>Pflügers Archiv European Journal of Physiology</i> , 2016, 468, 213-227.	2.8	42
25	The effect of the apolipoprotein E genotype on response to personalized dietary advice intervention: findings from the Food4Me randomized controlled trial. <i>American Journal of Clinical Nutrition</i> , 2016, 104, 827-836.	4.7	41
26	PEPT1-mediated uptake of dipeptides enhances the intestinal absorption of amino acids via transport system b ₀ +. <i>Journal of Cellular Physiology</i> , 2001, 186, 251-259.	4.1	38
27	Determinants of postprandial plasma bile acid kinetics in human volunteers. <i>American Journal of Physiology - Renal Physiology</i> , 2017, 313, G300-G312.	3.4	38
28	A Dietary Feedback System for the Delivery of Consistent Personalized Dietary Advice in the Web-Based Multicenter Food4Me Study. <i>Journal of Medical Internet Research</i> , 2016, 18, e150.	4.3	37
29	Profile of European adults interested in internet-based personalised nutrition: the Food4Me study. <i>European Journal of Nutrition</i> , 2016, 55, 759-769.	3.9	34
30	Effects of a Web-Based Personalized Intervention on Physical Activity in European Adults: A Randomized Controlled Trial. <i>Journal of Medical Internet Research</i> , 2015, 17, e231.	4.3	34
31	Reduced mitochondrial mass and function add to age-related susceptibility toward diet-induced fatty liver in C57BL/6J mice. <i>Physiological Reports</i> , 2016, 4, e12988.	1.7	31
32	Calcium Imaging of Nerve-Mast Cell Signaling in the Human Intestine. <i>Frontiers in Physiology</i> , 2017, 8, 971.	2.8	29
33	Associations of vitamin D status with dietary intakes and physical activity levels among adults from seven European countries: the Food4Me study. <i>European Journal of Nutrition</i> , 2018, 57, 1357-1368.	3.9	29
34	Metabotyping for the development of tailored dietary advice solutions in a European population: the Food4Me study. <i>British Journal of Nutrition</i> , 2017, 118, 561-569.	2.3	28
35	Nutrient-gene interactions: a single nutrient and hundreds of target genes. <i>Biological Chemistry</i> , 2004, 385, 571-83.	2.5	27
36	Exploring the association of dairy product intake with the fatty acids C15:0 and C17:0 measured from dried blood spots in a multipopulation cohort: Findings from the Food4Me study. <i>Molecular Nutrition and Food Research</i> , 2016, 60, 834-845.	3.3	27

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37	Personalised nutrition advice reduces intake of discretionary foods and beverages: findings from the Food4Me randomised controlled trial. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2021, 18, 70.	4.6	27
38	Mediterranean Diet Adherence and Genetic Background Roles within a Web-Based Nutritional Intervention: The Food4Me Study. <i>Nutrients</i> , 2017, 9, 1107.	4.1	25
39	Changes in Physical Activity Following a Genetic-Based Internet-Delivered Personalized Intervention: Randomized Controlled Trial (Food4Me). <i>Journal of Medical Internet Research</i> , 2016, 18, e30.	4.3	25
40	Reproducibility of the Online Food4Me Food-Frequency Questionnaire for Estimating Dietary Intakes across Europe. <i>Journal of Nutrition</i> , 2016, 146, 1068-1075.	2.9	24
41	Fat mass- and obesity-associated genotype, dietary intakes and anthropometric measures in European adults: the Food4Me study. <i>British Journal of Nutrition</i> , 2016, 115, 440-448.	2.3	22
42	Analysis of Dietary Pattern Impact on Weight Status for Personalised Nutrition through On-Line Advice: The Food4Me Spanish Cohort. <i>Nutrients</i> , 2015, 7, 9523-9537.	4.1	21
43	The challenges for molecular nutrition research 3: comparative nutrigenomics research as a basis for entering the systems level. <i>Genes and Nutrition</i> , 2008, 3, 101-106.	2.5	20
44	RANTES (CCL5) reduces glucose-dependent secretion of glucagon-like peptides 1 and 2 and impairs glucose-induced insulin secretion in mice. <i>American Journal of Physiology - Renal Physiology</i> , 2014, 307, G330-G337.	3.4	20
45	Hepatic metabolite profiles in mice with a suboptimal selenium status. <i>Journal of Nutritional Biochemistry</i> , 2014, 25, 914-922.	4.2	20
46	NRF2 regulates the glutamine transporter Slc38a3 (SNAT3) in kidney in response to metabolic acidosis. <i>Scientific Reports</i> , 2018, 8, 5629.	3.3	20
47	Correlates of overall and central obesity in adults from seven European countries: findings from the Food4Me Study. <i>European Journal of Clinical Nutrition</i> , 2018, 72, 207-219.	2.9	20
48	Bile acid supplementation decreases body mass gain in C57BL/6J but not 129S6/SvEvTac mice without increasing energy expenditure. <i>Scientific Reports</i> , 2019, 9, 131.	3.3	20
49	Nrf2 regulates the expression of the peptide transporter PEPT1 in the human colon carcinoma cell line Caco-2. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014, 1840, 1747-1754.	2.4	19
50	Frequent Nutritional Feedback, Personalized Advice, and Behavioral Changes: Findings from the European Food4Me Internet-Based RCT. <i>American Journal of Preventive Medicine</i> , 2019, 57, 209-219.	3.0	18
51	Peptide transporter isoforms are discriminated by the fluorophore-conjugated dipeptides $\hat{1}^2$ -Ala- and $\langle scp \rangle d \langle /scp \rangle$ -Ala-Lys-N-7-amino-4-methylcoumarin-3-acetic acid. <i>Physiological Reports</i> , 2013, 1, e00165.	1.7	15
52	Phenotypic factors influencing the variation in response of circulating cholesterol level to personalised dietary advice in the Food4Me study. <i>British Journal of Nutrition</i> , 2016, 116, 2011-2019.	2.3	14
53	Enhanced nutrient supply to very low birth weight infants is associated with higher blood amino acid concentrations and improved growth. <i>Clinical Nutrition ESPEN</i> , 2017, 18, 16-22.	1.2	14
54	The complex human urinary sugar profile: determinants revealed in the cross-sectional KarMeN study. <i>American Journal of Clinical Nutrition</i> , 2018, 108, 502-516.	4.7	14

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55	Characteristics of participants who benefit most from personalised nutrition: findings from the pan-European Food4Me randomised controlled trial. <i>British Journal of Nutrition</i> , 2020, 123, 1396-1405.	2.3	14
56	New metabolic interdependencies revealed by plasma metabolite profiling after two dietary challenges. <i>Metabolomics</i> , 2011, 7, 388-399.	3.0	13
57	Gene methylation parallelisms between peripheral blood cells and oral mucosa samples in relation to overweight. <i>Journal of Physiology and Biochemistry</i> , 2016, 73, 465-474.	3.0	13
58	Within-person reproducibility and sensitivity to dietary change of C15:0 and C17:0 levels in dried blood spots: Data from the European Food4Me Study. <i>Molecular Nutrition and Food Research</i> , 2017, 61, 1700142.	3.3	13
59	Night Shift Work Affects Urine Metabolite Profiles of Nurses with Early Chronotype. <i>Metabolites</i> , 2018, 8, 45.	2.9	13
60	The impact of MTHFR 677C>T risk allele on folate intake: findings from the Food4Me study. <i>Genes and Nutrition</i> , 2016, 11, 25.	2.5	12
61	Capturing health and eating status through a nutritional perception screening questionnaire (NPSQ9) in a randomised internet-based personalised nutrition intervention: the Food4Me study. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2017, 14, 168.	4.6	12
62	Diet and the gut microbiome: from hype to hypothesis. <i>British Journal of Nutrition</i> , 2020, 124, 521-530.	2.3	12
63	Differential regulation of pancreatic digestive enzymes during chronic high-fat diet-induced obesity in C57BL/6J mice. <i>British Journal of Nutrition</i> , 2014, 112, 154-161.	2.3	11
64	Roux-en-Y Gastric Bypass Surgery Induces Distinct but Frequently Transient Effects on Acylcarnitine, Bile Acid and Phospholipid Levels. <i>Metabolites</i> , 2018, 8, 83.	2.9	11
65	Higher vegetable protein consumption, assessed by an isoenergetic macronutrient exchange model, is associated with a lower presence of overweight and obesity in the web-based Food4me European study. <i>International Journal of Food Sciences and Nutrition</i> , 2019, 70, 240-253.	2.8	11
66	Clustering of adherence to personalised dietary recommendations and changes in healthy eating index within the Food4Me study. <i>Public Health Nutrition</i> , 2016, 19, 3296-3305.	2.2	10
67	Analysis of the National Adult Nutrition Survey (Ireland) and the Food4Me Nutrition Survey Databases to Explore the Development of Food Labelling Portion Sizes for the European Union. <i>Nutrients</i> , 2019, 11, 6.	4.1	10
68	Predicting fatty acid profiles in blood based on food intake and the FADS1 rs174546 SNP. <i>Molecular Nutrition and Food Research</i> , 2015, 59, 2565-2573.	3.3	9
69	Weekday sunlight exposure, but not vitamin D intake, influences the association between vitamin D receptor genotype and circulating concentration 25-hydroxyvitamin D in a pan-European population: the Food4Me study. <i>Molecular Nutrition and Food Research</i> , 2017, 61, 1600476.	3.3	9
70	Characteristics of European adults who dropped out from the Food4Me Internet-based personalised nutrition intervention. <i>Public Health Nutrition</i> , 2017, 20, 53-63.	2.2	8
71	Fetal sex modulates placental microRNA expression, potential microRNA-mRNA interactions, and levels of amino acid transporter expression and substrates: INFAT study subpopulation analysis of n-3 LCPUFA intervention during pregnancy and associations with offspring body composition. <i>BMC Molecular and Cell Biology</i> , 2021, 22, 15.	2.0	8
72	Genetics and Epigenetics in Personalized Nutrition: Evidence, Expectations, and Experiences. <i>Molecular Nutrition and Food Research</i> , 2022, 66, .	3.3	8

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73	Exploring the Diversity of Sugar Compounds in Healthy, Prediabetic, and Diabetic Volunteers. <i>Molecular Nutrition and Food Research</i> , 2020, 64, e1901190.	3.3	7
74	Bioavailability and Biological Effects of 2-O- β -D-Glucopyranosyl-carboxyatractyligenin from Green Coffee in <i>Caenorhabditis elegans</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 4774-4781.	5.2	5
75	Personalized Nutrition Advice Reduces Intake of Discretionary Foods and Beverages: Findings From the Food4Me Randomized Controlled Trial. <i>Current Developments in Nutrition</i> , 2021, 5, 152.	0.3	4
76	Polyphenols and Gene Expression. , 0, , 359-377.		2
77	Associations between dietary patterns, FTO genotype and obesity in adults from seven European countries. <i>European Journal of Nutrition</i> , 2022, 61, 2953-2965.	3.9	2
78	Dynamic modelling of an ACADS genotype in fatty acid oxidation – Application of cellular models for the analysis of common genetic variants. <i>PLoS ONE</i> , 2019, 14, e0216110.	2.5	1
79	PEPT1-mediated uptake of dipeptides enhances the intestinal absorption of amino acids via transport system b0. <i>Journal of Cellular Physiology</i> , 2001, 186, 251-259.	4.1	1
80	Nutritional Genomics: Concepts, Tools and Expectations. , 2006, , 2-21.		0
81	Differential regulation of pancreas digestive enzymes during the development of diet-induced obesity of C57BL/6J mice. <i>FASEB Journal</i> , 2012, 26, 375.7.	0.5	0