

# Rikard Landberg

## List of Publications by Year in Descending Order

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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.

116  
papers

2,303  
citations

24  
h-index

46  
g-index

125  
ext. papers

2,988  
ext. citations

4.8  
avg, IF

5.4  
L-index

#	Paper	IF	Citations
116	Pregnancy outcomes with differences in grain consumption: a randomized controlled trial.. <i>Journal of Perinatal Medicine</i> , <b>2022</b> ,	2.7	1
115	An inverse association between plasma benzoxazinoid metabolites and PSA after rye intake in men with prostate cancer revealed with a new method.. <i>Scientific Reports</i> , <b>2022</b> , 12, 5260	4.9	
114	Comparison of Flavonoid Intake Assessment Methods Using USDA and Phenol Explorer Databases: Subcohort Diet, Cancer and Health-Next Generations-MAX Study.. <i>Frontiers in Nutrition</i> , <b>2022</b> , 9, 873774	6.2	1
113	LongITools: Dynamic longitudinal exposome trajectories in cardiovascular and metabolic noncommunicable diseases.. <i>Environmental Epidemiology</i> , <b>2022</b> , 6, e184	0.2	1
112	A randomized controlled trial of the effects of whole grains versus refined grains diets on the microbiome in pregnancy.. <i>Scientific Reports</i> , <b>2022</b> , 12, 7509	4.9	0
111	A Preparatory Study for a Randomized Controlled Trial of Dietary Fiber Intake During Adult Pelvic Radiotherapy.. <i>Frontiers in Nutrition</i> , <b>2021</b> , 8, 756485	6.2	0
110	Vegan Diet Is Associated With Favorable Effects on the Metabolic Performance of Intestinal Microbiota: A Cross-Sectional Multi-Omics Study.. <i>Frontiers in Nutrition</i> , <b>2021</b> , 8, 783302	6.2	0
109	The gut microbiota and microbial metabolites are associated with tail biting in pigs. <i>Scientific Reports</i> , <b>2021</b> , 11, 20547	4.9	2
108	Evaluating an Intervention to Increase Cereal Fiber Intake in Children: A Randomized Controlled Feasibility Trial. <i>Journal of Nutrition</i> , <b>2021</b> , 151, 379-386	4.1	1
107	Effects of substitution dietary guidelines targeted at prevention of IHD on dietary intake and risk factors in middle-aged Danish adults: the Diet and Prevention of Ischemic Heart Disease: a Translational Approach (DIPI) randomised controlled trial. <i>British Journal of Nutrition</i> , <b>2021</b> , 126, 1179-1193	3.6	0
106	Higher Alkylresorcinol Concentrations, a Consequence of Whole-Grain Intake, are Inversely Associated with Gestational Diabetes Mellitus in Iceland. <i>Journal of Nutrition</i> , <b>2021</b> , 151, 1159-1166	4.1	3
105	Does Simplified Estimation of Total Fruit and Vegetable Intake Pave the Way for Accurate Biomarkers of the Same?. <i>Journal of Nutrition</i> , <b>2021</b> , 151, 751-752	4.1	
104	Body Composition and Weight Management <b>2021</b> , 137-165		
103	The Structure of Cereal Grains and Their Products <b>2021</b> , 1-20		1
102	Application of Metabolomics for the Assessment of Health Effects of Whole grain Foods <b>2021</b> , 375-388		
101	Whole Grains and Cardiovascular Disease <b>2021</b> , 195-203		
100	Whole grain Fractions and Their Utilization in Foods <b>2021</b> , 31-53		

- 99 Whole grain Carbohydrates **2021**, 55-69 ○
- 98 Whole Grain Intake and Mortality **2021**, 221-239
- 97 Whole Grains and Cancer Risk **2021**, 205-219
- 96 Whole Grains from an Industry Perspective **2021**, 393-408
- 95 Whole Grains, Cereal Fibre and the Gut Function **2021**, 289-299
- 94 Whole grain consumption and associated lifestyle and sociodemographic factors **2021**, 83-98
- 93 Application of Metabolomics for the Assessment of Process-induced Changes in Whole Grain Foods **2021**, 351-374
- 92 Effects of Bilberry and Oat intake on lipids, inflammation and exercise capacity after Acute Myocardial Infarction (BIOAMI): study protocol for a randomized, double-blind, placebo-controlled trial. *Trials*, **2021**, 22, 338 2.8 2
- 91 Alkylresorcinols and Their Metabolites as Biomarkers for Whole grain Wheat and Rye **2021**, 99-136
- 90 Whole Grains and Type 2 Diabetes **2021**, 167-193 ○
- 89 Whole grain Content of Cereal Products **2021**, 71-82
- 88 Modulating Glycaemia with Cereal Products **2021**, 275-288
- 87 Whole Grains and Appetite **2021**, 241-274
- 86 Bioactive Compounds in Whole Grains and Their Implications for Health **2021**, 301-336 ○
- 85 Global Regulation and Labeling, Claims and Communication with Consumers **2021**, 409-432
- 84 Potential Negative Effects of Whole grain Consumption **2021**, 337-350
- 83 Definition of Whole Grain and Determination of Content in Cereal Products **2021**, 21-29
- 82 Using Transcriptomics and RNA Sequencing to Assess Health Effects of Whole Grains **2021**, 389-392

81	Development and Validation of a Mobile Phone Application Developed for Measuring Dietary Fiber Intake. <i>Nutrients</i> , <b>2021</b> , 13,	6.7	1
80	Identification of Robust Metabotypes Associated With Increased Cardiometabolic Disease Risk- an Approach for Improved Prevention Through Precision Nutrition. <i>Current Developments in Nutrition</i> , <b>2021</b> , 5, 604-604	0.4	78
79	Identifying Metabotypes From Complex Biological Data Using PARAFAC. <i>Current Developments in Nutrition</i> , <b>2021</b> , 5, 882-882	0.4	1
78	Benzoxazinoids Are Inversely Associated With Prostate-Specific Antigen Levels- a Whole Grain Rye vs Refined Wheat Randomized Cross-Over Trial in Men With Prostate Cancer. <i>Current Developments in Nutrition</i> , <b>2021</b> , 5, 482-482	0.4	78
77	FODMAPs, but Not Gluten, Affect Symptoms and the Fecal Environment in Subjects With Irritable Bowel Syndrome. A Double Blinded-Randomized Three-Way Crossover Study. <i>Current Developments in Nutrition</i> , <b>2021</b> , 5, 601-601	0.4	78
76	Long-term whole-grain rye and wheat consumption and their associations with selected biomarkers of inflammation, endothelial function, and cardiovascular disease. <i>European Journal of Clinical Nutrition</i> , <b>2021</b> , 75, 123-132	5.2	1
75	Brain foods - the role of diet in brain performance and health. <i>Nutrition Reviews</i> , <b>2021</b> , 79, 693-708	6.4	2
74	Plasma metabolites associated with exposure to perfluoroalkyl substances and risk of type 2 diabetes - A nested case-control study. <i>Environment International</i> , <b>2021</b> , 146, 106180	12.9	11
73	Grains - a major source of sustainable protein for health. <i>Nutrition Reviews</i> , <b>2021</b> ,	6.4	10
72	The effects of fermented rye products on gut microbiota and their association with metabolic factors in Chinese adults - an explorative study. <i>Food and Function</i> , <b>2021</b> , 12, 9141-9150	6.1	2
71	Effects of High Intakes of Fructose and Galactose, with or without Added Fructooligosaccharides, on Metabolic Factors, Inflammation, and Gut Integrity in a Rat Model. <i>Molecular Nutrition and Food Research</i> , <b>2021</b> , 65, e2001133	5.9	2
70	Whole Grains, Gut Microbiota, and Health-Time to Get Personal?. <i>Journal of Nutrition</i> , <b>2021</b> , 151, 459-464	4.1	1
69	A hypocaloric diet rich in high fiber rye foods causes greater reduction in body weight and body fat than a diet rich in refined wheat: A parallel randomized controlled trial in adults with overweight and obesity (the RyeWeight study). <i>Clinical Nutrition ESPEN</i> , <b>2021</b> , 45, 155-169	1.3	1
68	The CRCbiome study: a large prospective cohort study examining the role of lifestyle and the gut microbiome in colorectal cancer screening participants. <i>BMC Cancer</i> , <b>2021</b> , 21, 930	4.8	0
67	Prediction and evaluation of the effect of pre-centrifugation sample management on the measurable untargeted LC-MS plasma metabolome. <i>Analytica Chimica Acta</i> , <b>2021</b> , 1182, 338968	6.6	2
66	The MEDGICarb-Study: Design of a multi-center randomized controlled trial to determine the differential health-promoting effects of low- and high-glycemic index Mediterranean-style eating patterns. <i>Contemporary Clinical Trials Communications</i> , <b>2020</b> , 19, 100640	1.8	0
65	Effects of whole-grain wheat, rye, and lignan supplementation on cardiometabolic risk factors in men with metabolic syndrome: a randomized crossover trial. <i>American Journal of Clinical Nutrition</i> , <b>2020</b> , 111, 864-876	7	19
64	Why interindividual variation in response to consumption of plant food bioactives matters for future personalised nutrition. <i>Proceedings of the Nutrition Society</i> , <b>2020</b> , 79, 225-235	2.9	16

63	Mineral analysis reveals extreme manganese concentrations in wild harvested and commercially available edible termites. <i>Scientific Reports</i> , <b>2020</b> , 10, 6146	4.9	7
62	An LC-QToF MS based method for untargeted metabolomics of human fecal samples. <i>Metabolomics</i> , <b>2020</b> , 16, 46	4.7	11
61	Perspective: Metabotyping-A Potential Personalized Nutrition Strategy for Precision Prevention of Cardiometabolic Disease. <i>Advances in Nutrition</i> , <b>2020</b> , 11, 524-532	10	22
60	Avenanthramides as lipoxygenase inhibitors. <i>Heliyon</i> , <b>2020</b> , 6, e04304	3.6	8
59	Effects of a Lacto-Ovo-Vegetarian Diet on the Plasma Lipidome and Its Association with Atherosclerotic Burden in Patients with Coronary Artery Disease-A Randomized, Open-Label, Cross-over Study. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	6
58	Effects of a long-term lifestyle intervention on metabolically healthy women with obesity: Metabolite profiles according to weight loss response. <i>Clinical Nutrition</i> , <b>2020</b> , 39, 215-224	5.9	12
57	Consumption of whole grain/bran rye instead of refined wheat decrease concentrations of TNF-R2, e-selectin, and endostatin in an exploratory study in men with prostate cancer. <i>Clinical Nutrition</i> , <b>2020</b> , 39, 159-165	5.9	6
56	Impact of a Fermented High-Fiber Rye Diet on and Cardio-Metabolic Risk Factors: A Randomized Controlled Trial Among -Positive Chinese Adults. <i>Frontiers in Nutrition</i> , <b>2020</b> , 7, 608623	6.2	6
55	Can Urinary Ethyl Glucuronide Be Used as a Biomarker of Habitual Alcohol Consumption?. <i>Journal of Nutrition</i> , <b>2019</b> , 149, 2077-2078	4.1	
54	Whey Protein Combined with Low Dietary Fiber Improves Lipid Profile in Subjects with Abdominal Obesity: A Randomized, Controlled Trial. <i>Nutrients</i> , <b>2019</b> , 11,	6.7	11
53	Joint Analysis of Metabolite Markers of Fish Intake and Persistent Organic Pollutants in Relation to Type 2 Diabetes Risk in Swedish Adults. <i>Journal of Nutrition</i> , <b>2019</b> , 149, 1413-1423	4.1	8
52	Pre-diagnostic plasma enterolactone concentrations are associated with lower mortality among individuals with type 2 diabetes: a case-cohort study in the Danish Diet, Cancer and Health cohort. <i>Diabetologia</i> , <b>2019</b> , 62, 959-969	10.3	4
51	Long-Term Whole Grain Wheat and Rye Intake Reflected by Adipose Tissue Alkylresorcinols and Breast Cancer: A Case-Cohort Study. <i>Nutrients</i> , <b>2019</b> , 11,	6.7	4
50	Visualization and Interpretation of Multivariate Associations with Disease Risk Markers and Disease Risk-The Triplot. <i>Metabolites</i> , <b>2019</b> , 9,	5.6	4
49	Targeting the delivery of dietary plant bioactives to those who would benefit most: from science to practical applications. <i>European Journal of Nutrition</i> , <b>2019</b> , 58, 65-73	5.2	6
48	Future prospects for dissecting inter-individual variability in the absorption, distribution and elimination of plant bioactives of relevance for cardiometabolic endpoints. <i>European Journal of Nutrition</i> , <b>2019</b> , 58, 21-36	5.2	19
47	Biomarkers of cereal food intake. <i>Genes and Nutrition</i> , <b>2019</b> , 14, 28	4.3	19
46	Use of a Web-Based Dietary Assessment Tool (RiksmatenFlex) in Swedish Adolescents: Comparison and Validation Study. <i>Journal of Medical Internet Research</i> , <b>2019</b> , 21, e12572	7.6	13

45	Biomarkers of a Healthy Nordic Diet-From Dietary Exposure Biomarkers to Microbiota Signatures in the Metabolome. <i>Nutrients</i> , <b>2019</b> , 12,	6.7	6
44	Factors Explaining Interpersonal Variation in Plasma Enterolactone Concentrations in Humans. <i>Molecular Nutrition and Food Research</i> , <b>2019</b> , 63, e1801159	5.9	21
43	Freeze-dried bilberry ( <i>Vaccinium myrtillus</i> ) dietary supplement improves walking distance and lipids after myocardial infarction: an open-label randomized clinical trial. <i>Nutrition Research</i> , <b>2019</b> , 62, 13-22	4	20
42	Whole grain-rich diet reduces body weight and systemic low-grade inflammation without inducing major changes of the gut microbiome: a randomised cross-over trial. <i>Gut</i> , <b>2019</b> , 68, 83-93	19.2	162
41	New alkylresorcinol metabolites in spot urine as biomarkers of whole grain wheat and rye intake in a Swedish middle-aged population. <i>European Journal of Clinical Nutrition</i> , <b>2018</b> , 72, 1439-1446	5.2	9
40	Higher Whole-Grain Intake Is Associated with Lower Risk of Type 2 Diabetes among Middle-Aged Men and Women: The Danish Diet, Cancer, and Health Cohort. <i>Journal of Nutrition</i> , <b>2018</b> , 148, 1434-1444 <sup>4.1</sup>	4.1	42
39	Interlaboratory Coverage Test on Plant Food Bioactive Compounds and their Metabolites by Mass Spectrometry-Based Untargeted Metabolomics. <i>Metabolites</i> , <b>2018</b> , 8,	5.6	17
38	Impact in Plasma Metabolome as Effect of Lifestyle Intervention for Weight-Loss Reveals Metabolic Benefits in Metabolically Healthy Obese Women. <i>Journal of Proteome Research</i> , <b>2018</b> , 17, 2600-2610	5.6	10
37	Appetite and Subsequent Food Intake Were Unaffected by the Amount of Sourdough and Rye in Soft Bread-A Randomized Cross-Over Breakfast Study. <i>Nutrients</i> , <b>2018</b> , 10,	6.7	2
36	Circulating isoflavone and lignan concentrations and prostate cancer risk: a meta-analysis of individual participant data from seven prospective studies including 2,828 cases and 5,593 controls. <i>International Journal of Cancer</i> , <b>2018</b> , 143, 2677-2686	7.5	13
35	A lifestyle intervention among elderly men on active surveillance for non-aggressive prostate cancer: a randomised feasibility study with whole-grain rye and exercise. <i>Trials</i> , <b>2017</b> , 18, 20	2.8	11
34	Indolepropionic acid and novel lipid metabolites are associated with a lower risk of type 2 diabetes in the Finnish Diabetes Prevention Study. <i>Scientific Reports</i> , <b>2017</b> , 7, 46337	4.9	137
33	Whole-Grain Intake, Reflected by Dietary Records and Biomarkers, Is Inversely Associated with Circulating Insulin and Other Cardiometabolic Markers in 8- to 11-Year-Old Children. <i>Journal of Nutrition</i> , <b>2017</b> , 147, 816-824	4.1	22
32	Targeted metabolomics reveals differences in the extended postprandial plasma metabolome of healthy subjects after intake of whole-grain rye porridges versus refined wheat bread. <i>Molecular Nutrition and Food Research</i> , <b>2017</b> , 61, 1600924	5.9	14
31	Prediction and modeling of pre-analytical sampling errors as a strategy to improve plasma NMR metabolomics data. <i>Bioinformatics</i> , <b>2017</b> , 33, 3567-3574	7.2	11
30	Combining traditional dietary assessment methods with novel metabolomics techniques: present efforts by the Food Biomarker Alliance. <i>Proceedings of the Nutrition Society</i> , <b>2017</b> , 76, 619-627	2.9	62
29	Addressing the inter-individual variation in response to consumption of plant food bioactives: Towards a better understanding of their role in healthy aging and cardiometabolic risk reduction. <i>Molecular Nutrition and Food Research</i> , <b>2017</b> , 61, 1600557	5.9	127
28	Dietary polyphenol intake in Europe: the European Prospective Investigation into Cancer and Nutrition (EPIC) study. <i>European Journal of Nutrition</i> , <b>2016</b> , 55, 1359-75	5.2	238

27	Large-scale untargeted LC-MS metabolomics data correction using between-batch feature alignment and cluster-based within-batch signal intensity drift correction. <i>Metabolomics</i> , <b>2016</b> , 12, 173	4.7	82
26	Plasma alkylresorcinols, biomarkers of whole-grain wheat and rye intake, and risk of type 2 diabetes in Scandinavian men and women. <i>American Journal of Clinical Nutrition</i> , <b>2016</b> , 104, 88-96	7	38
25	Validation of Reported Whole-Grain Intake from a Web-Based Dietary Record against Plasma Alkylresorcinol Concentrations in 8- to 11-Year-Olds Participating in a Randomized Controlled Trial. <i>Journal of Nutrition</i> , <b>2016</b> , 146, 377-83	4.1	11
24	Yellow Mealworm Protein for Food Purposes - Extraction and Functional Properties. <i>PLoS ONE</i> , <b>2016</b> , 11, e0147791	3.7	110
23	Carotenoids and alkylresorcinols as objective biomarkers of diet quality when assessing the validity of a web-based food record tool and a food frequency questionnaire in a middle-aged population. <i>BMC Nutrition</i> , <b>2016</b> , 2,	2.5	16
22	Reply to A Abbasi. <i>American Journal of Clinical Nutrition</i> , <b>2016</b> , 104, 1725-1726	7	
21	Reply to J-B Qin et al. <i>American Journal of Clinical Nutrition</i> , <b>2016</b> , 104, 1723-1724	7	
20	Effects of whole-grain rye porridge with added inulin and wheat gluten on appetite, gut fermentation and postprandial glucose metabolism: a randomised, cross-over, breakfast study. <i>British Journal of Nutrition</i> , <b>2016</b> , 116, 2139-2149	3.6	22
19	Plasma alkylresorcinols, biomarkers of whole-grain intake, are not associated with progression of coronary artery atherosclerosis in postmenopausal women with coronary artery disease. <i>Public Health Nutrition</i> , <b>2016</b> , 19, 326-31	3.3	8
18	Associations between school meal-induced dietary changes and metabolic syndrome markers in 8-11-year-old Danish children. <i>European Journal of Nutrition</i> , <b>2016</b> , 55, 1973-84	5.2	11
17	Determination of alkylresorcinols and their metabolites in biological samples by gas chromatography-mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2015</b> , 1000, 120-9	3.2	25
16	Metabolomics for Improved Understanding and Prediction of Cardiometabolic DiseasesRecent Findings from Human Studies. <i>Current Nutrition Reports</i> , <b>2015</b> , 4, 348-364	6	5
15	Whole-grain products and whole-grain types are associated with lower all-cause and cause-specific mortality in the Scandinavian HELGA cohort. <i>British Journal of Nutrition</i> , <b>2015</b> , 114, 608-23	3.6	48
14	Discovery of urinary biomarkers of whole grain rye intake in free-living subjects using nontargeted LC-MS metabolite profiling. <i>Molecular Nutrition and Food Research</i> , <b>2015</b> , 59, 2315-25	5.9	33
13	Effects of unfermented and fermented whole grain rye crisp breads served as part of a standardized breakfast, on appetite and postprandial glucose and insulin responses: a randomized cross-over trial. <i>PLoS ONE</i> , <b>2015</b> , 10, e0122241	3.7	31
12	Plasma alkylresorcinols as a biomarker for whole grain intake and predictor of metabolic syndrome risk. <i>FASEB Journal</i> , <b>2015</b> , 29, 606.8	0.9	
11	Effects of whole grain rye crisp bread for breakfast on appetite and energy intake in a subsequent meal: two randomised controlled trails with different amounts of test foods and breakfast energy content. <i>Nutrition Journal</i> , <b>2014</b> , 13, 26	4.3	18
10	Whole grain rye intake, reflected by a biomarker, is associated with favorable blood lipid outcomes in subjects with the metabolic syndrome—a randomized study. <i>PLoS ONE</i> , <b>2014</b> , 9, e110827	3.7	25

9	Plasma alkylresorcinol concentrations, biomarkers of whole-grain wheat and rye intake, in the European Prospective Investigation into Cancer and Nutrition (EPIC) cohort. <i>British Journal of Nutrition</i> , <b>2014</b> , 111, 1881-90	3.6	29
8	Plasma alkylresorcinols, biomarkers of whole-grain wheat and rye intake, and incidence of colorectal cancer. <i>Journal of the National Cancer Institute</i> , <b>2014</b> , 106, djt352	9.7	55
7	Simultaneous pharmacokinetic modeling of alkylresorcinols and their main metabolites indicates dual absorption mechanisms and enterohepatic elimination in humans. <i>Journal of Nutrition</i> , <b>2014</b> , 144, 1674-80	4.1	13
6	A dietary biomarker approach captures compliance and cardiometabolic effects of a healthy Nordic diet in individuals with metabolic syndrome. <i>Journal of Nutrition</i> , <b>2014</b> , 144, 1642-9	4.1	33
5	High-fiber rye diet increases ileal excretion of energy and macronutrients compared with low-fiber wheat diet independent of meal frequency in ileostomy subjects. <i>Food and Nutrition Research</i> , <b>2013</b> , 57,	3.1	11
4	Alkylresorcinol metabolite concentrations in spot urine samples correlated with whole grain and cereal fiber intake but showed low to modest reproducibility over one to three years in U.S. women. <i>Journal of Nutrition</i> , <b>2012</b> , 142, 872-7	4.1	26
3	Diet and endothelial function: from individual components to dietary patterns. <i>Current Opinion in Lipidology</i> , <b>2012</b> , 23, 147-55	4.4	35
2	Selected dietary flavonoids are associated with markers of inflammation and endothelial dysfunction in U.S. women. <i>Journal of Nutrition</i> , <b>2011</b> , 141, 618-25	4.1	78
1	Alkylresorcinols as biomarkers of whole-grain wheat and rye intake: plasma concentration and intake estimated from dietary records. <i>American Journal of Clinical Nutrition</i> , <b>2008</b> , 87, 832-8	7	131