

# Anja Bosy-Westphal

## 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.

97  
papers

3,545  
citations

34  
h-index

57  
g-index

108  
ext. papers

4,302  
ext. citations

5.4  
avg, IF

5.47  
L-index

#	Paper	IF	Citations
97	World Health Organization equations have shortcomings for predicting resting energy expenditure in persons from a modern, affluent population: generation of a new reference standard from a retrospective analysis of a German database of resting energy expenditure. <i>American Journal of Clinical Nutrition</i> , <b>2004</b> , 80, 1379-90	7	223
96	Value of body fat mass vs anthropometric obesity indices in the assessment of metabolic risk factors. <i>International Journal of Obesity</i> , <b>2006</b> , 30, 475-83	5.5	190
95	Metabolically active components of fat-free mass and resting energy expenditure in humans: recent lessons from imaging technologies. <i>Obesity Reviews</i> , <b>2002</b> , 3, 113-22	10.6	167
94	Metabolic adaptation to caloric restriction and subsequent refeeding: the Minnesota Starvation Experiment revisited. <i>American Journal of Clinical Nutrition</i> , <b>2015</b> , 102, 807-19	7	138
93	What is the best reference site for a single MRI slice to assess whole-body skeletal muscle and adipose tissue volumes in healthy adults?. <i>American Journal of Clinical Nutrition</i> , <b>2015</b> , 102, 58-65	7	131
92	Measurement site for waist circumference affects its accuracy as an index of visceral and abdominal subcutaneous fat in a Caucasian population. <i>Journal of Nutrition</i> , <b>2010</b> , 140, 954-61	4.1	129
91	What makes a BIA equation unique? Validity of eight-electrode multifrequency BIA to estimate body composition in a healthy adult population. <i>European Journal of Clinical Nutrition</i> , <b>2013</b> , 67 Suppl 1, S14-21	5.2	124
90	Contribution of individual organ mass loss to weight loss-associated decline in resting energy expenditure. <i>American Journal of Clinical Nutrition</i> , <b>2009</b> , 90, 993-1001	7	114
89	Metabolically active components of fat free mass and resting energy expenditure in nonobese adults. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2000</b> , 278, E308-15	6	113
88	Changes in Energy Expenditure with Weight Gain and Weight Loss in Humans. <i>Current Obesity Reports</i> , <b>2016</b> , 5, 413-423	8.4	102
87	Quantification of whole-body and segmental skeletal muscle mass using phase-sensitive 8-electrode medical bioelectrical impedance devices. <i>European Journal of Clinical Nutrition</i> , <b>2017</b> , 71, 1061-1067	5.2	100
86	Adaptive thermogenesis with weight loss in humans. <i>Obesity</i> , <b>2013</b> , 21, 218-28	8	92
85	The age-related decline in resting energy expenditure in humans is due to the loss of fat-free mass and to alterations in its metabolically active components. <i>Journal of Nutrition</i> , <b>2003</b> , 133, 2356-62	4.1	89
84	Identification of skeletal muscle mass depletion across age and BMI groups in health and disease--there is need for a unified definition. <i>International Journal of Obesity</i> , <b>2015</b> , 39, 379-86	5.5	72
83	Effect of weight loss and regain on adipose tissue distribution, composition of lean mass and resting energy expenditure in young overweight and obese adults. <i>International Journal of Obesity</i> , <b>2013</b> , 37, 1371-7	5.5	72
82	Impact of breakfast skipping compared with dinner skipping on regulation of energy balance and metabolic risk. <i>American Journal of Clinical Nutrition</i> , <b>2017</b> , 105, 1351-1361	7	71
81	Evolving concepts on adjusting human resting energy expenditure measurements for body size. <i>Obesity Reviews</i> , <b>2012</b> , 13, 1001-14	10.6	67

80	Voluntary weight loss: systematic review of early phase body composition changes. <i>Obesity Reviews</i> , <b>2011</b> , 12, e348-61	10.6	67
79	Advances in the understanding of specific metabolic rates of major organs and tissues in humans. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , <b>2013</b> , 16, 501-8	3.8	55
78	Beyond BMI: Conceptual Issues Related to Overweight and Obese Patients. <i>Obesity Facts</i> , <b>2016</b> , 9, 193-205	3.5	54
77	Short stature and obesity: positive association in adults but inverse association in children and adolescents. <i>British Journal of Nutrition</i> , <b>2009</b> , 102, 453-61	3.6	53
76	Bioavailability of $\beta$ -Cryptoxanthin is greater from pasteurized orange juice than from fresh oranges - a randomized cross-over study. <i>Molecular Nutrition and Food Research</i> , <b>2015</b> , 59, 1896-904	5.9	50
75	Assessment and definition of lean body mass deficiency in the elderly. <i>European Journal of Clinical Nutrition</i> , <b>2014</b> , 68, 1220-7	5.2	49
74	Total and regional relationship between lean and fat mass with increasing adiposity--impact for the diagnosis of sarcopenic obesity. <i>European Journal of Clinical Nutrition</i> , <b>2012</b> , 66, 1356-61	5.2	46
73	Reference Values for Skeletal Muscle Mass - Current Concepts and Methodological Considerations. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	42
72	The Oral Bioavailability of Trans-Resveratrol from a Grapevine-Shoot Extract in Healthy Humans is Significantly Increased by Micellar Solubilization. <i>Molecular Nutrition and Food Research</i> , <b>2018</b> , 62, e1701057	5.9	39
71	Impact of intra- and extra-osseous soft tissue composition on changes in bone mineral density with weight loss and regain. <i>Obesity</i> , <b>2011</b> , 19, 1503-10	8	38
70	Familial influences and obesity-associated metabolic risk factors contribute to the variation in resting energy expenditure: the Kiel Obesity Prevention Study. <i>American Journal of Clinical Nutrition</i> , <b>2008</b> , 87, 1695-701	7	37
69	Pathways and mechanisms linking dietary components to cardiometabolic disease: thinking beyond calories. <i>Obesity Reviews</i> , <b>2018</b> , 19, 1205-1235	10.6	37
68	Application of standards and models in body composition analysis. <i>Proceedings of the Nutrition Society</i> , <b>2016</b> , 75, 181-7	2.9	36
67	Evaluation of specific metabolic rates of major organs and tissues: comparison between nonobese and obese women. <i>Obesity</i> , <b>2012</b> , 20, 95-100	8	35
66	Impact of body composition during weight change on resting energy expenditure and homeostasis model assessment index in overweight nonsmoking adults. <i>American Journal of Clinical Nutrition</i> , <b>2014</b> , 99, 779-91	7	34
65	Grade of adiposity affects the impact of fat mass on resting energy expenditure in women. <i>British Journal of Nutrition</i> , <b>2009</b> , 101, 474-7	3.6	34
64	Urinary excretion of Citrus flavanones and their major catabolites after consumption of fresh oranges and pasteurized orange juice: A randomized cross-over study. <i>Molecular Nutrition and Food Research</i> , <b>2016</b> , 60, 2602-2610	5.9	34
63	Limitations of Fat-Free Mass for the Assessment of Muscle Mass in Obesity. <i>Obesity Facts</i> , <b>2019</b> , 12, 307-315	3.15	32

62	Association of pericardial fat with liver fat and insulin sensitivity after diet-induced weight loss in overweight women. <i>Obesity</i> , <b>2010</b> , 18, 2111-7	8	32
61	Effects of brief perturbations in energy balance on indices of glucose homeostasis in healthy lean men. <i>International Journal of Obesity</i> , <b>2012</b> , 36, 1094-101	5.5	30
60	Estimation of Skeletal Muscle Mass and Visceral Adipose Tissue Volume by a Single Magnetic Resonance Imaging Slice in Healthy Elderly Adults. <i>Journal of Nutrition</i> , <b>2016</b> , 146, 2143-2148	4.1	29
59	Body fat percentiles for German children and adolescents. <i>Obesity Facts</i> , <b>2012</b> , 5, 77-90	5.1	29
58	Normalizing resting energy expenditure across the life course in humans: challenges and hopes. <i>European Journal of Clinical Nutrition</i> , <b>2018</b> , 72, 628-637	5.2	28
57	The case of GWAS of obesity: does body weight control play by the rules?. <i>International Journal of Obesity</i> , <b>2018</b> , 42, 1395-1405	5.5	28
56	Ethnic differences in fat and muscle mass and their implication for interpretation of bioelectrical impedance vector analysis. <i>Applied Physiology, Nutrition and Metabolism</i> , <b>2019</b> , 44, 619-626	3	24
55	Carbohydrate intake and glycemic index affect substrate oxidation during a controlled weight cycle in healthy men. <i>European Journal of Clinical Nutrition</i> , <b>2014</b> , 68, 1060-6	5.2	23
54	Carbohydrate quality and quantity affect glucose and lipid metabolism during weight regain in healthy men. <i>Journal of Nutrition</i> , <b>2013</b> , 143, 1593-601	4.1	23
53	Recent advances in understanding body weight homeostasis in humans. <i>F1000Research</i> , <b>2018</b> , 7,	3.6	22
52	Adiposity rebound is misclassified by BMI rebound. <i>European Journal of Clinical Nutrition</i> , <b>2013</b> , 67, 984-95.2	5.2	22
51	Measuring the impact of weight cycling on body composition: a methodological challenge. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , <b>2014</b> , 17, 396-400	3.8	22
50	Use of balance methods for assessment of short-term changes in body composition. <i>Obesity</i> , <b>2012</b> , 20, 701-7	8	21
49	Is the 1975 Reference Man still a suitable reference?. <i>European Journal of Clinical Nutrition</i> , <b>2010</b> , 64, 1035-42	5.2	21
48	Carotenoids and carotenoid esters of orange- and yellow-fleshed mamey sapote ( <i>Pouteria sapota</i> (Jacq.) H.E. Moore & Stearn) fruit and their post-prandial absorption in humans. <i>Food Chemistry</i> , <b>2017</b> , 221, 673-682	8.5	20
47	The anatomy of resting energy expenditure: body composition mechanisms. <i>European Journal of Clinical Nutrition</i> , <b>2019</b> , 73, 166-171	5.2	20
46	Body composition and cardiometabolic health: the need for novel concepts. <i>European Journal of Clinical Nutrition</i> , <b>2018</b> , 72, 638-644	5.2	19
45	Assessment of fat and lean mass by quantitative magnetic resonance: a future technology of body composition research?. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , <b>2015</b> , 18, 446-51	3.8	19

44	Effect of low-glycemic-sugar-sweetened beverages on glucose metabolism and macronutrient oxidation in healthy men. <i>International Journal of Obesity</i> , <b>2016</b> , 40, 990-7	5.5	18
43	Gender-Specific Associations in Age-Related Changes in Resting Energy Expenditure (REE) and MRI Measured Body Composition in Healthy Caucasians. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2016</b> , 71, 941-6	6.4	18
42	Human energy expenditure: advances in organ-tissue prediction models. <i>Obesity Reviews</i> , <b>2018</b> , 19, 1177-1188	6.1	18
41	Effect of aggregation form on bioavailability of zeaxanthin in humans: a randomised cross-over study. <i>British Journal of Nutrition</i> , <b>2017</b> , 118, 698-706	3.6	16
40	Effects of Low versus High Glycemic Index Sugar-Sweetened Beverages on Postprandial Vasodilatation and Inactivity-Induced Impairment of Glucose Metabolism in Healthy Men. <i>Nutrients</i> , <b>2016</b> , 8,	6.7	16
39	Determinants of ectopic liver fat in metabolic disease. <i>European Journal of Clinical Nutrition</i> , <b>2019</b> , 73, 209-214	5.2	16
38	Appetite Control Is Improved by Acute Increases in Energy Turnover at Different Levels of Energy Balance. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2019</b> , 104, 4481-4491	5.6	15
37	The Oral Bioavailability of 8-Prenylaringenin from Hops ( <i>Humulus Lupulus</i> L.) in Healthy Women and Men is Significantly Higher than that of its Positional Isomer 6-Prenylaringenin in a Randomized Crossover Trial. <i>Molecular Nutrition and Food Research</i> , <b>2018</b> , 62, e1700838	5.9	15
36	Changes in mean serum lipids among adults in Germany: results from National Health Surveys 1997-99 and 2008-11. <i>BMC Public Health</i> , <b>2016</b> , 16, 240	4.1	15
35	Impact of dietary glycemic challenge on fuel partitioning. <i>European Journal of Clinical Nutrition</i> , <b>2017</b> , 71, 327-330	5.2	14
34	Human brain mass: similar body composition associations as observed across mammals. <i>American Journal of Human Biology</i> , <b>2012</b> , 24, 479-85	2.7	14
33	Obesity Tissue: Composition, Energy Expenditure, and Energy Content in Adult Humans. <i>Obesity</i> , <b>2019</b> , 27, 1472-1481	8	12
32	Body composition-related functions: a problem-oriented approach to phenotyping. <i>European Journal of Clinical Nutrition</i> , <b>2019</b> , 73, 179-186	5.2	12
31	High intake of orange juice and cola differently affects metabolic risk in healthy subjects. <i>Clinical Nutrition</i> , <b>2019</b> , 38, 812-819	5.9	11
30	High orange juice consumption with or in-between three meals a day differently affects energy balance in healthy subjects. <i>Nutrition and Diabetes</i> , <b>2018</b> , 8, 19	4.7	10
29	Impact of carbohydrates on weight regain. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , <b>2015</b> , 18, 389-94	3.8	10
28	Association of a lifestyle index with MRI-determined liver fat content in a general population study. <i>Journal of Epidemiology and Community Health</i> , <b>2015</b> , 69, 732-7	5.1	9
27	Physical health-related quality of life in relation to metabolic health and obesity among men and women in Germany. <i>Health and Quality of Life Outcomes</i> , <b>2017</b> , 15, 122	3	8

26	Effect of Over- and Underfeeding on Body Composition and Related Metabolic Functions in Humans. <i>Current Diabetes Reports</i> , <b>2019</b> , 19, 108	5.6	8
25	Diagnosis of obesity based on body composition-associated health risks-Time for a change in paradigm. <i>Obesity Reviews</i> , <b>2021</b> , 22 Suppl 2, e13190	10.6	8
24	Lithium-Rich Mineral Water is a Highly Bioavailable Lithium Source for Human Consumption. <i>Molecular Nutrition and Food Research</i> , <b>2019</b> , 63, e1900039	5.9	7
23	Endocrine determinants of changes in insulin sensitivity and insulin secretion during a weight cycle in healthy men. <i>PLoS ONE</i> , <b>2015</b> , 10, e0117865	3.7	7
22	Mechanistic model of mass-specific basal metabolic rate: evaluation in healthy young adults. <i>International Journal of Body Composition Research</i> , <b>2011</b> , 9, 147		7
21	Circulating sDPP-4 is Increased in Obesity and Insulin Resistance but Is Not Related to Systemic Metabolic Inflammation. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2021</b> , 106, e592-e601	5.6	7
20	Are metabolic adaptations to weight changes an artefact?. <i>American Journal of Clinical Nutrition</i> , <b>2021</b> , 114, 1386-1395	7	6
19	Metabolic Health in Relation to Body Size: Changes in Prevalence over Time between 1997-99 and 2008-11 in Germany. <i>PLoS ONE</i> , <b>2016</b> , 11, e0167159	3.7	6
18	Association between fat mass, adipose tissue, fat fraction per adipose tissue, and metabolic risks: a cross-sectional study in normal, overweight, and obese adults. <i>European Journal of Clinical Nutrition</i> , <b>2019</b> , 73, 62-71	5.2	6
17	Influence of Energy Balance and Glycemic Index on Metabolic Endotoxemia in Healthy Men. <i>Journal of the American College of Nutrition</i> , <b>2017</b> , 36, 72-79	3.5	5
16	Pharmacokinetics of vitamin E, Eryzanol, and ferulic acid in healthy humans after the ingestion of a rice bran-enriched porridge prepared with water or with milk. <i>European Journal of Nutrition</i> , <b>2019</b> , 58, 2099-2110	5.2	5
15	Resting Energy Expenditure: From Cellular to Whole-Body Level, a Mechanistic Historical Perspective. <i>Obesity</i> , <b>2021</b> , 29, 500-511	8	5
14	Impact of energy turnover on the regulation of glucose homeostasis in healthy subjects. <i>Nutrition and Diabetes</i> , <b>2019</b> , 9, 22	4.7	4
13	Adaptive thermogenesis after moderate weight loss: magnitude and methodological issues. <i>European Journal of Nutrition</i> , <b>2021</b> , 1	5.2	3
12	Boron Contents of German Mineral and Medicinal Waters and Their Bioavailability in <i>Drosophila melanogaster</i> and Humans. <i>Molecular Nutrition and Food Research</i> , <b>2021</b> , 65, e2100345	5.9	3
11	Reply to MG Browning. <i>American Journal of Clinical Nutrition</i> , <b>2016</b> , 103, 953-4	7	2
10	Body Composition Characteristics of a Load-Capacity Model: Age-Dependent and Sex-Specific Percentiles in 5- to 17-Year-Old Children. <i>Obesity Facts</i> , <b>2021</b> , 14, 593-603	5.1	2
9	Family and Lifestyle Factors Mediate the Relationship between Socioeconomic Status and Fat Mass in Children and Adolescents. <i>Obesity Facts</i> , <b>2020</b> , 13, 596-607	5.1	2

8	Does adaptive thermogenesis occur after weight loss in adults? A systematic review. <i>British Journal of Nutrition</i> , <b>2021</b> , 1-19	3.6	2
7	Phenotypic differences between people varying in muscularity.. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , <b>2022</b> ,	10.3	2
6	Impact of Energy Turnover on the Regulation of Energy and Macronutrient Balance. <i>Obesity</i> , <b>2021</b> , 29, 1114-1119	8	1
5	What Is a ?. <i>Nutrients</i> , <b>2022</b> , 14,	6.7	1
4	Empfehlungen zur Ernährung von Personen mit Typ-2-Diabetes mellitus. <i>Diabetologie Und Stoffwechsel</i> , <b>2021</b> , 16, S255-S289	0.7	0
3	Nutritional Recommendations for People with Type 1 Diabetes Mellitus. <i>Experimental and Clinical Endocrinology and Diabetes</i> , <b>2021</b> , 129, S27-S43	2.3	0
2	Relationships between body roundness with body fat and visceral adipose tissue emerging from a new geometrical model. <i>FASEB Journal</i> , <b>2013</b> , 27, 360.2	0.9	
1	Associations between high-metabolic rate organ masses and fasting hunger: A study using whole-body magnetic resonance imaging in healthy males.. <i>Physiology and Behavior</i> , <b>2022</b> , 250, 113796	3.5	