

Anja Bosy-Westphal

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.

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 | Phenotypic differences between people varying in muscularity.. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2022 , | 10.3 | 2 |
| 96 | What Is a ?. <i>Nutrients</i> , 2022 , 14, | 6.7 | 1 |
| 95 | 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> , 2022 , 250, 113796 | 3.5 | |
| 94 | Adaptive thermogenesis after moderate weight loss: magnitude and methodological issues. <i>European Journal of Nutrition</i> , 2021 , 1 | 5.2 | 3 |
| 93 | 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> , 2021 , 14, 593-603 | 5.1 | 2 |
| 92 | Empfehlungen zur Ernährung von Personen mit Typ-2-Diabetes mellitus. <i>Diabetologie Und Stoffwechsel</i> , 2021 , 16, S255-S289 | 0.7 | 0 |
| 91 | Nutritional Recommendations for People with Type 1 Diabetes Mellitus. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 2021 , 129, S27-S43 | 2.3 | 0 |
| 90 | Does adaptive thermogenesis occur after weight loss in adults? A systematic review. <i>British Journal of Nutrition</i> , 2021 , 1-19 | 3.6 | 2 |
| 89 | Impact of Energy Turnover on the Regulation of Energy and Macronutrient Balance. <i>Obesity</i> , 2021 , 29, 1114-1119 | 8 | 1 |
| 88 | Are metabolic adaptations to weight changes an artefact?. <i>American Journal of Clinical Nutrition</i> , 2021 , 114, 1386-1395 | 7 | 6 |
| 87 | Boron Contents of German Mineral and Medicinal Waters and Their Bioavailability in Drosophila melanogaster and Humans. <i>Molecular Nutrition and Food Research</i> , 2021 , 65, e2100345 | 5.9 | 3 |
| 86 | 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> , 2021 , 106, e592-e601 | 5.6 | 7 |
| 85 | Resting Energy Expenditure: From Cellular to Whole-Body Level, a Mechanistic Historical Perspective. <i>Obesity</i> , 2021 , 29, 500-511 | 8 | 5 |
| 84 | Diagnosis of obesity based on body composition-associated health risks-Time for a change in paradigm. <i>Obesity Reviews</i> , 2021 , 22 Suppl 2, e13190 | 10.6 | 8 |
| 83 | Reference Values for Skeletal Muscle Mass - Current Concepts and Methodological Considerations. <i>Nutrients</i> , 2020 , 12, | 6.7 | 42 |
| 82 | Family and Lifestyle Factors Mediate the Relationship between Socioeconomic Status and Fat Mass in Children and Adolescents. <i>Obesity Facts</i> , 2020 , 13, 596-607 | 5.1 | 2 |
| 81 | Appetite Control Is Improved by Acute Increases in Energy Turnover at Different Levels of Energy Balance. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019 , 104, 4481-4491 | 5.6 | 15 |

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|----|---|-------|----|
| 80 | Limitations of Fat-Free Mass for the Assessment of Muscle Mass in Obesity. <i>Obesity Facts</i> , 2019 , 12, 307-315 | 3.15 | 32 |
| 79 | Lithium-Rich Mineral Water is a Highly Bioavailable Lithium Source for Human Consumption. <i>Molecular Nutrition and Food Research</i> , 2019 , 63, e1900039 | 5.9 | 7 |
| 78 | 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> , 2019 , 58, 2099-2110 | 5.2 | 5 |
| 77 | Impact of energy turnover on the regulation of glucose homeostasis in healthy subjects. <i>Nutrition and Diabetes</i> , 2019 , 9, 22 | 4.7 | 4 |
| 76 | Obesity Tissue: Composition, Energy Expenditure, and Energy Content in Adult Humans. <i>Obesity</i> , 2019 , 27, 1472-1481 | 8 | 12 |
| 75 | Effect of Over- and Underfeeding on Body Composition and Related Metabolic Functions in Humans. <i>Current Diabetes Reports</i> , 2019 , 19, 108 | 5.6 | 8 |
| 74 | Ethnic differences in fat and muscle mass and their implication for interpretation of bioelectrical impedance vector analysis. <i>Applied Physiology, Nutrition and Metabolism</i> , 2019 , 44, 619-626 | 3 | 24 |
| 73 | Determinants of ectopic liver fat in metabolic disease. <i>European Journal of Clinical Nutrition</i> , 2019 , 73, 209-214 | 5.2 | 16 |
| 72 | Body composition-related functions: a problem-oriented approach to phenotyping. <i>European Journal of Clinical Nutrition</i> , 2019 , 73, 179-186 | 5.2 | 12 |
| 71 | The anatomy of resting energy expenditure: body composition mechanisms. <i>European Journal of Clinical Nutrition</i> , 2019 , 73, 166-171 | 5.2 | 20 |
| 70 | High intake of orange juice and cola differently affects metabolic risk in healthy subjects. <i>Clinical Nutrition</i> , 2019 , 38, 812-819 | 5.9 | 11 |
| 69 | 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> , 2019 , 73, 62-71 | 5.2 | 6 |
| 68 | The Oral Bioavailability of 8-Prenylnaringenin from Hops (<i>Humulus Lupulus</i> L.) in Healthy Women and Men is Significantly Higher than that of its Positional Isomer 6-Prenylnaringenin in a Randomized Crossover Trial. <i>Molecular Nutrition and Food Research</i> , 2018 , 62, e1700838 | 5.9 | 15 |
| 67 | High orange juice consumption with or in-between three meals a day differently affects energy balance in healthy subjects. <i>Nutrition and Diabetes</i> , 2018 , 8, 19 | 4.7 | 10 |
| 66 | 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> , 2018 , 62, e1701057 | 5.9 | 39 |
| 65 | Human energy expenditure: advances in organ-tissue prediction models. <i>Obesity Reviews</i> , 2018 , 19, 1177-1188 | 6.188 | 18 |
| 64 | Normalizing resting energy expenditure across the life course in humans: challenges and hopes. <i>European Journal of Clinical Nutrition</i> , 2018 , 72, 628-637 | 5.2 | 28 |
| 63 | Body composition and cardiometabolic health: the need for novel concepts. <i>European Journal of Clinical Nutrition</i> , 2018 , 72, 638-644 | 5.2 | 19 |

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|----|---|------|-----|
| 62 | Recent advances in understanding body weight homeostasis in humans. <i>F1000Research</i> , 2018 , 7, | 3.6 | 22 |
| 61 | Pathways and mechanisms linking dietary components to cardiometabolic disease: thinking beyond calories. <i>Obesity Reviews</i> , 2018 , 19, 1205-1235 | 10.6 | 37 |
| 60 | The case of GWAS of obesity: does body weight control play by the rules?. <i>International Journal of Obesity</i> , 2018 , 42, 1395-1405 | 5.5 | 28 |
| 59 | Influence of Energy Balance and Glycemic Index on Metabolic Endotoxemia in Healthy Men. <i>Journal of the American College of Nutrition</i> , 2017 , 36, 72-79 | 3.5 | 5 |
| 58 | 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> , 2017 , 71, 1061-1067 | 5.2 | 100 |
| 57 | Impact of breakfast skipping compared with dinner skipping on regulation of energy balance and metabolic risk. <i>American Journal of Clinical Nutrition</i> , 2017 , 105, 1351-1361 | 7 | 71 |
| 56 | Impact of dietary glycemic challenge on fuel partitioning. <i>European Journal of Clinical Nutrition</i> , 2017 , 71, 327-330 | 5.2 | 14 |
| 55 | 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> , 2017 , 15, 122 | 3 | 8 |
| 54 | 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> , 2017 , 221, 673-682 | 8.5 | 20 |
| 53 | Effect of aggregation form on bioavailability of zeaxanthin in humans: a randomised cross-over study. <i>British Journal of Nutrition</i> , 2017 , 118, 698-706 | 3.6 | 16 |
| 52 | 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> , 2016 , 146, 2143-2148 | 4.1 | 29 |
| 51 | Changes in Energy Expenditure with Weight Gain and Weight Loss in Humans. <i>Current Obesity Reports</i> , 2016 , 5, 413-423 | 8.4 | 102 |
| 50 | Beyond BMI: Conceptual Issues Related to Overweight and Obese Patients. <i>Obesity Facts</i> , 2016 , 9, 193-205 | 9.5 | 54 |
| 49 | Changes in mean serum lipids among adults in Germany: results from National Health Surveys 1997-99 and 2008-11. <i>BMC Public Health</i> , 2016 , 16, 240 | 4.1 | 15 |
| 48 | Effect of low-glycemic-sugar-sweetened beverages on glucose metabolism and macronutrient oxidation in healthy men. <i>International Journal of Obesity</i> , 2016 , 40, 990-7 | 5.5 | 18 |
| 47 | Reply to MG Browning. <i>American Journal of Clinical Nutrition</i> , 2016 , 103, 953-4 | 7 | 2 |
| 46 | 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> , 2016 , 71, 941-6 | 6.4 | 18 |
| 45 | Application of standards and models in body composition analysis. <i>Proceedings of the Nutrition Society</i> , 2016 , 75, 181-7 | 2.9 | 36 |

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| 44 | 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> , 2016 , 8, | 6.7 | 16 |
| 43 | Metabolic Health in Relation to Body Size: Changes in Prevalence over Time between 1997-99 and 2008-11 in Germany. <i>PLoS ONE</i> , 2016 , 11, e0167159 | 3.7 | 6 |
| 42 | 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> , 2016 , 60, 2602-2610 | 5.9 | 34 |
| 41 | Association of a lifestyle index with MRI-determined liver fat content in a general population study. <i>Journal of Epidemiology and Community Health</i> , 2015 , 69, 732-7 | 5.1 | 9 |
| 40 | Metabolic adaptation to caloric restriction and subsequent refeeding: the Minnesota Starvation Experiment revisited. <i>American Journal of Clinical Nutrition</i> , 2015 , 102, 807-19 | 7 | 138 |
| 39 | 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> , 2015 , 102, 58-65 | 7 | 131 |
| 38 | 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> , 2015 , 39, 379-86 | 5.5 | 72 |
| 37 | Bioavailability of β-cryptoxanthin is greater from pasteurized orange juice than from fresh oranges - a randomized cross-over study. <i>Molecular Nutrition and Food Research</i> , 2015 , 59, 1896-904 | 5.9 | 50 |
| 36 | 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> , 2015 , 18, 446-51 | 3.8 | 19 |
| 35 | Impact of carbohydrates on weight regain. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2015 , 18, 389-94 | 3.8 | 10 |
| 34 | Endocrine determinants of changes in insulin sensitivity and insulin secretion during a weight cycle in healthy men. <i>PLoS ONE</i> , 2015 , 10, e0117865 | 3.7 | 7 |
| 33 | Carbohydrate intake and glycemic index affect substrate oxidation during a controlled weight cycle in healthy men. <i>European Journal of Clinical Nutrition</i> , 2014 , 68, 1060-6 | 5.2 | 23 |
| 32 | 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> , 2014 , 99, 779-91 | 7 | 34 |
| 31 | Assessment and definition of lean body mass deficiency in the elderly. <i>European Journal of Clinical Nutrition</i> , 2014 , 68, 1220-7 | 5.2 | 49 |
| 30 | Measuring the impact of weight cycling on body composition: a methodological challenge. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2014 , 17, 396-400 | 3.8 | 22 |
| 29 | 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> , 2013 , 67 Suppl 1, S14-21 | 5.2 | 124 |
| 28 | Adaptive thermogenesis with weight loss in humans. <i>Obesity</i> , 2013 , 21, 218-28 | 8 | 92 |
| 27 | Adiposity rebound is misclassified by BMI rebound. <i>European Journal of Clinical Nutrition</i> , 2013 , 67, 984-5. | 5.2 | 22 |

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|----|---|------|-----|
| 26 | 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> , 2013 , 37, 1371-7 | 5.5 | 72 |
| 25 | 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> , 2013 , 16, 501-8 | 3.8 | 55 |
| 24 | Carbohydrate quality and quantity affect glucose and lipid metabolism during weight regain in healthy men. <i>Journal of Nutrition</i> , 2013 , 143, 1593-601 | 4.1 | 23 |
| 23 | Relationships between body roundness with body fat and visceral adipose tissue emerging from a new geometrical model. <i>FASEB Journal</i> , 2013 , 27, 360.2 | 0.9 | |
| 22 | Evolving concepts on adjusting human resting energy expenditure measurements for body size. <i>Obesity Reviews</i> , 2012 , 13, 1001-14 | 10.6 | 67 |
| 21 | Evaluation of specific metabolic rates of major organs and tissues: comparison between nonobese and obese women. <i>Obesity</i> , 2012 , 20, 95-100 | 8 | 35 |
| 20 | 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> , 2012 , 66, 1356-61 | 5.2 | 46 |
| 19 | Human brain mass: similar body composition associations as observed across mammals. <i>American Journal of Human Biology</i> , 2012 , 24, 479-85 | 2.7 | 14 |
| 18 | Use of balance methods for assessment of short-term changes in body composition. <i>Obesity</i> , 2012 , 20, 701-7 | 8 | 21 |
| 17 | Effects of brief perturbations in energy balance on indices of glucose homeostasis in healthy lean men. <i>International Journal of Obesity</i> , 2012 , 36, 1094-101 | 5.5 | 30 |
| 16 | Body fat percentiles for German children and adolescents. <i>Obesity Facts</i> , 2012 , 5, 77-90 | 5.1 | 29 |
| 15 | Voluntary weight loss: systematic review of early phase body composition changes. <i>Obesity Reviews</i> , 2011 , 12, e348-61 | 10.6 | 67 |
| 14 | Impact of intra- and extra-osseous soft tissue composition on changes in bone mineral density with weight loss and regain. <i>Obesity</i> , 2011 , 19, 1503-10 | 8 | 38 |
| 13 | Mechanistic model of mass-specific basal metabolic rate: evaluation in healthy young adults. <i>International Journal of Body Composition Research</i> , 2011 , 9, 147 | | 7 |
| 12 | Association of pericardial fat with liver fat and insulin sensitivity after diet-induced weight loss in overweight women. <i>Obesity</i> , 2010 , 18, 2111-7 | 8 | 32 |
| 11 | Is the 1975 Reference Man still a suitable reference?. <i>European Journal of Clinical Nutrition</i> , 2010 , 64, 1035-42 | 5.2 | 21 |
| 10 | 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> , 2010 , 140, 954-61 | 4.1 | 129 |
| 9 | Contribution of individual organ mass loss to weight loss-associated decline in resting energy expenditure. <i>American Journal of Clinical Nutrition</i> , 2009 , 90, 993-1001 | 7 | 114 |

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| 8 | Grade of adiposity affects the impact of fat mass on resting energy expenditure in women. <i>British Journal of Nutrition</i> , 2009 , 101, 474-7 | 3.6 | 34 |
| 7 | Short stature and obesity: positive association in adults but inverse association in children and adolescents. <i>British Journal of Nutrition</i> , 2009 , 102, 453-61 | 3.6 | 53 |
| 6 | 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> , 2008 , 87, 1695-701 | 7 | 37 |
| 5 | Value of body fat mass vs anthropometric obesity indices in the assessment of metabolic risk factors. <i>International Journal of Obesity</i> , 2006 , 30, 475-83 | 5.5 | 190 |
| 4 | 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> , 2004 , 80, 1379-90 | 7 | 223 |
| 3 | 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> , 2003 , 133, 2356-62 | 4.1 | 89 |
| 2 | Metabolically active components of fat-free mass and resting energy expenditure in humans: recent lessons from imaging technologies. <i>Obesity Reviews</i> , 2002 , 3, 113-22 | 10.6 | 167 |
| 1 | Metabolically active components of fat free mass and resting energy expenditure in nonobese adults. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2000 , 278, E308-15 | 6 | 113 |