# Anja Bosy-Westphal

List of Publications by Year
in descending order



| 105 | 4,984 | 94269 37 | 98622 67 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 108 | 108 | 108 | 6684 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | 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. American Journal of Clinical Nutrition, 2004, 80, 1379-1390. | 2.2 | 290 |
| 2 | Value of body fat mass vs anthropometric obesity indices in the assessment of metabolic risk factors. International Journal of Obesity, 2006, 30, 475-483. | 1.6 | 236 |
| 3 | Metabolically active components of fat-free mass and resting energy expenditure in humans: recent lessons from imaging technologies. Obesity Reviews, 2002, 3, 113-122. | 3.1 | 197 |
| 4 | What is the best reference site for a single MRI slice to assess whole-body skeletal muscle and adipose tissue volumes in healthy adults?. American Journal of Clinical Nutrition, 2015, 102, 58-65. | 2.2 | 195 |
| 5 | Metabolic adaptation to caloric restriction and subsequent refeeding: the Minnesota Starvation Experiment revisited. American Journal of Clinical Nutrition, 2015, 102, 807-819. | 2.2 | 188 |
| 6 | What makes a BIA equation unique? Validity of eight-electrode multifrequency BIA to estimate body composition in a healthy adult population. European Journal of Clinical Nutrition, 2013, 67, S14-S21. | 1.3 | 179 |
| 7 | Changes in Energy Expenditure with Weight Gain and Weight Loss in Humans. Current Obesity Reports, 2016, 5, 413-423. | 3.5 | 162 |
| 8 | Measurement Site for Waist Circumference Affects Its Accuracy As an Index of Visceral and Abdominal Subcutaneous Fat in a Caucasian Population ,. Journal of Nutrition, 2010, 140, 954-961. | 1.3 | 161 |
| 9 | Quantification of whole-body and segmental skeletal muscle mass using phase-sensitive 8-electrode medical bioelectrical impedance devices. European Journal of Clinical Nutrition, 2017, 71, 1061-1067. | 1.3 | 144 |
| 10 | Metabolically active components of fat free mass and resting energy expenditure in nonobese adults. American Journal of Physiology - Endocrinology and Metabolism, 2000, 278, E308-E315. | 1.8 | 137 |
| 11 | Contribution of individual organ mass loss to weight lossâ€“associated decline in resting energy expenditure. American Journal of Clinical Nutrition, 2009, 90, 993-1001. | 2.2 | 134 |
| 12 | Impact of breakfast skipping compared with dinner skipping on regulation of energy balance and metabolic risk ,. American Journal of Clinical Nutrition, 2017, 105, 1351-1361. | 2.2 | 127 |
| 13 | Adaptive thermogenesis with weight loss in humans. Obesity, 2013, 21, 218-228. | 1.5 | 119 |
| 14 | 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. Journal of Nutrition, 2003, 133, 2356-2362. | 1.3 | 112 |
| 15 | Reference Values for Skeletal Muscle Mass â€“ Current Concepts and Methodological Considerations. Nutrients, 2020, 12, 755. | 1.7 | 102 |
| 16 | Identification of skeletal muscle mass depletion across age and BMI groups in health and diseaseâ€”there is need for a unified definition. International Journal of Obesity, 2015, 39, 379-386. | 1.6 | 99 |
| 17 | Effect of weight loss and regain on adipose tissue distribution, composition of lean mass and resting energy expenditure in young overweight and obese adults. International Journal of Obesity, 2013, 37, 1371-1377. | 1.6 | 92 |
| 18 | Beyond BMI: Conceptual Issues Related to Overweight and Obese Patients. Obesity Facts, 2016, 9, 193-205. | 1.6 | 86 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Evolving concepts on adjusting human resting energy expenditure measurements for body size. Obesity Reviews, 2012, 13, 1001-1014. | 3.1 | 80 |
| 20 | Voluntary weight loss: systematic review of early phase body composition changes. Obesity Reviews, 2011, 12, e348-61. | 3.1 | 75 |
| 21 | Short stature and obesity: positive association in adults but inverse association in children and adolescents. British Journal of Nutrition, 2009, 102, 453-461. | 1.2 | 67 |
| 22 | Advances in the understanding of specific metabolic rates of major organs and tissues in humans. Current Opinion in Clinical Nutrition and Metabolic Care, 2013, 16, 1. | 1.3 | 62 |
| 23 | Pathways and mechanisms linking dietary components to cardiometabolic disease: thinking beyond calories. Obesity Reviews, 2018, 19, 1205-1235. | 3.1 | 60 |
| 24 | Total and regional relationship between lean and fat mass with increasing adiposityâ€"impact for the diagnosis of sarcopenic obesity. European Journal of Clinical Nutrition, 2012, 66, 1356-1361. | 1.3 | 59 |
| 25 | Bioavailability of Î²â€cryptoxanthin is greater from pasteurized orange juice than from fresh oranges â€“ a randomized crossâ€over study. Molecular Nutrition and Food Research, 2015, 59, 1896-1904. | 1.5 | 58 |
| 26 | Urinary excretion ofCitrusflavanones and their major catabolites after consumption of fresh oranges and pasteurized orange juice: A randomized cross-over study. Molecular Nutrition and Food Research, 2016, 60, 2602-2610. | 1.5 | 57 |
| 27 | Assessment and definition of lean body mass deficiency in the elderly. European Journal of Clinical Nutrition, 2014, 68, 1220-1227. | 1.3 | 56 |
| 28 | Application of standards and models in body composition analysis. Proceedings of the Nutrition Society, 2016, 75, 181-187. | 0.4 | 56 |
| 29 | Limitations of Fat-Free Mass for the Assessment of Muscle Mass in Obesity. Obesity Facts, 2019, 12, 307-315. | 1.6 | 55 |
| 30 | The Oral Bioavailability of Transâ€Resveratrol from a Grapevineâ€Shoot Extract in Healthy Humans is Significantly Increased by Micellar Solubilization. Molecular Nutrition and Food Research, 2018, 62, e1701057. | 1.5 | 48 |
| 31 | Familial influences and obesity-associated metabolic risk factors contribute to the variation in resting energy expenditure: the Kiel Obesity Prevention Study. American Journal of Clinical Nutrition, 2008, 87, 1695-1701. | 2.2 | 46 |
| 32 | Normalizing resting energy expenditure across the life course in humans: challenges and hopes. European Journal of Clinical Nutrition, 2018, 72, 628-637. | 1.3 | 46 |
| 33 | The case of GWAS of obesity: does body weight control play by the rules?. International Journal of Obesity, 2018, 42, 1395-1405. | 1.6 | 45 |
| 34 | Impact of Intraâ€and Extraâ€Osseous Soft Tissue Composition on Changes in Bone Mineral Density With Weight Loss and Regain. Obesity, 2011, 19, 1503-1510. | 1.5 | 43 |
| 35 | Evaluation of Specific Metabolic Rates of Major Organs and Tissues: Comparison Between Nonobese and Obese Women. Obesity, 2012, 20, 95-100. | 1.5 | 43 |
| 36 | Impact of body composition during weight change on resting energy expenditure and homeostasis model assessment index in overweight nonsmoking adults. American Journal of Clinical Nutrition, 2014, 99, 779-791. | 2.2 | 43 |

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|---|---|---|---|
| 37 | Ethnic differences in fat and muscle mass and their implication for interpretation of bioelectrical impedance vector analysis. Applied Physiology, Nutrition and Metabolism, 2019, 44, 619-626. | 0.9 | 43 |
| 38 | Grade of adiposity affects the impact of fat mass on resting energy expenditure in women. British Journal of Nutrition, 2009, 101, 474-477. | 1.2 | 41 |
| 39 | Effects of brief perturbations in energy balance on indices of glucose homeostasis in healthy lean men. International Journal of Obesity, 2012, 36, 1094-1101. | 1.6 | 39 |
| 40 | Estimation of Skeletal Muscle Mass and Visceral Adipose Tissue Volume by a Single Magnetic Resonance Imaging Slice in Healthy Elderly Adults. Journal of Nutrition, 2016, 146, 2143-2148. | 1.3 | 38 |
| 41 | Diagnosis of obesity based on body compositionâ€associated health risksâ€”Time for a change in paradigm. Obesity Reviews, 2021, 22, e13190. | 3.1 | 38 |
| 42 | Association of Pericardial Fat With Liver Fat and Insulin Sensitivity After Dietâ€Induced Weight Loss in Overweight Women. Obesity, 2010, 18, 2111-2117. | 1.5 | 37 |
| 43 | Body Fat Percentiles for German Children and Adolescents. Obesity Facts, 2012, 5, 77-90. | 1.6 | 37 |
| 44 | Gender-Specific Associations in Age-Related Changes in Resting Energy Expenditure (REE) and MRI Measured Body Composition in Healthy Caucasians. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2016, 71, 941-946. | 1.7 | 36 |
| 45 | Recent advances in understanding body weight homeostasis in humans. F1000Research, 2018, 7, 1025. | 0.8 | 35 |
| 46 | Body composition and cardiometabolic health: the need for novel concepts. European Journal of Clinical Nutrition, 2018, 72, 638-644. | 1.3 | 34 |
| 47 | The anatomy of resting energy expenditure: body composition mechanisms. European Journal of Clinical Nutrition, 2019, 73, 166-171. | 1.3 | 34 |
| 48 | Adiposity rebound is misclassified by BMI rebound. European Journal of Clinical Nutrition, 2013, 67, 984-989. | 1.3 | 33 |
| 49 | Human energy expenditure: advances in organâ€tissue prediction models. Obesity Reviews, 2018, 19, 1177-1188. | 3.1 | 32 |
| 50 | Appetite Control Is Improved by Acute Increases in Energy Turnover at Different Levels of Energy Balance. Journal of Clinical Endocrinology and Metabolism, 2019, 104, 4481-4491. | 1.8 | 31 |
| 51 | Carbohydrate Quality and Quantity Affect Glucose and Lipid Metabolism during Weight Regain in Healthy Men. Journal of Nutrition, 2013, 143, 1593-1601. | 1.3 | 27 |
| 52 | Determinants of ectopic liver fat in metabolic disease. European Journal of Clinical Nutrition, 2019, 73, 209-214. | 1.3 | 27 |
| 53 | Is the 1975 Reference Man still a suitable reference?. European Journal of Clinical Nutrition, 2010, 64, 1035-1042. | 1.3 | 26 |
| 54 | Carbohydrate intake and glycemic index affect substrate oxidation during a controlled weight cycle in healthy men. European Journal of Clinical Nutrition, 2014, 68, 1060-1066. | 1.3 | 26 |

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|---|---|---|---|
| 55 | Measuring the impact of weight cycling on body composition. Current Opinion in Clinical Nutrition and Metabolic Care, 2014, 17, 396-400. | 1.3 | 25 |
| 56 | Carotenoids and carotenoid esters of orange- and yellow-fleshed mamey sapote (Pouteria sapota) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2017, 221, 673-682. | 4.2 | 25 |
| 57 | Use of Balance Methods for Assessment of Shortâ€Term Changes in Body Composition. Obesity, 2012, 20, 701-707. | 1.5 | 24 |
| 58 | The Oral Bioavailability of 8â€Prenylnaringenin from Hops (Humulus Lupulus L.) in Healthy Women and Men is Significantly Higher than that of its Positional Isomer 6â€Prenylnaringenin in a Randomized Crossover Trial. Molecular Nutrition and Food Research, 2018, 62, e1700838. | 1.5 | 24 |
| 59 | Obesity Tissue: Composition, Energy Expenditure, and Energy Content in Adult Humans. Obesity, 2019, 27, 1472-1481. | 1.5 | 24 |
| 60 | Assessment of fat and lean mass by quantitative magnetic resonance. Current Opinion in Clinical Nutrition and Metabolic Care, 2015, 18, 446-451. | 1.3 | 23 |
| 61 | High intake of orange juice and cola differently affects metabolic risk in healthy subjects. Clinical Nutrition, 2019, 38, 812-819. | 2.3 | 22 |
| 62 | Changes in mean serum lipids among adults in Germany: results from National Health Surveys 1997-99 and 2008-11. BMC Public Health, 2016, 16, 240. | 1.2 | 21 |
| 63 | Effect of aggregation form on bioavailability of zeaxanthin in humans: a randomised cross-over study. British Journal of Nutrition, 2017, 118, 698-706. | 1.2 | 21 |
| 64 | Effect of low-glycemic-sugar-sweetened beverages on glucose metabolism and macronutrient oxidation in healthy men. International Journal of Obesity, 2016, 40, 990-997. | 1.6 | 20 |
| 65 | Human brain mass: Similar body composition associations as observed across mammals. American Journal of Human Biology, 2012, 24, 479-485. | 0.8 | 19 |
| 66 | Lithiumâ€Rich Mineral Water is a Highly Bioavailable Lithium Source for Human Consumption. Molecular Nutrition and Food Research, 2019, 63, e1900039. | 1.5 | 19 |
| 67 | Resting Energy Expenditure: From Cellular to Wholeâ€Body Level, a Mechanistic Historical Perspective. Obesity, 2021, 29, 500-511. | 1.5 | 19 |
| 68 | Are metabolic adaptations to weight changes an artefact?. American Journal of Clinical Nutrition, 2021, 114, 1386-1395. | 2.2 | 19 |
| 69 | Effects of Low versus High Glycemic Index Sugar-Sweetened Beverages on Postprandial Vasodilatation and Inactivity-Induced Impairment of Glucose Metabolism in Healthy Men. Nutrients, 2016, 8, 802. | 1.7 | 17 |
| 70 | High orange juice consumption with or in-between three meals a day differently affects energy balance in healthy subjects. Nutrition and Diabetes, 2018, 8, 19. | 1.5 | 16 |
| 71 | Circulating sDPP-4 is Increased in Obesity and Insulin Resistance but Is Not Related to Systemic Metabolic Inflammation. Journal of Clinical Endocrinology and Metabolism, 2021, 106, e592-e601. | 1.8 | 16 |
| 72 | Impact of dietary glycemic challenge on fuel partitioning. European Journal of Clinical Nutrition, 2017, 71, 327-330. | 1.3 | 15 |

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|---|---|---|---|
| 73 | Impact of energy turnover on the regulation of glucose homeostasis in healthy subjects. Nutrition and Diabetes, 2019, 9, 22. | 1.5 | 15 |
| 74 | Impact of carbohydrates on weight regain. Current Opinion in Clinical Nutrition and Metabolic Care, 2015, 18, 389-394. | 1.3 | 14 |
| 75 | Physical health-related quality of life in relation to metabolic health and obesity among men and women in Germany. Health and Quality of Life Outcomes, 2017, 15, 122. | 1.0 | 14 |
| 76 | Body composition-related functions: a problem-oriented approach to phenotyping. European Journal of Clinical Nutrition, 2019, 73, 179-186. | 1.3 | 14 |
| 77 | Body Composition Characteristics of a Load-Capacity Model: Age-Dependent and Sex-Specific Percentiles in 5- to 17-Year-Old Children. Obesity Facts, 2021, 14, 593-603. | 1.6 | 13 |
| 78 | Phenotypic differences between people varying in muscularity. Journal of Cachexia, Sarcopenia and Muscle, 2022, 13, 1100-1112. | 2.9 | 13 |
| 79 | Family and Lifestyle Factors Mediate the Relationship between Socioeconomic Status and Fat Mass in Children and Adolescents. Obesity Facts, 2020, 13, 596-607. | 1.6 | 12 |
| 80 | Association of a lifestyle index with MRI-determined liver fat content in a general population study. Journal of Epidemiology and Community Health, 2015, 69, 732-737. | 2.0 | 11 |
| 81 | Effect of Over- and Underfeeding on Body Composition and Related Metabolic Functions in Humans. Current Diabetes Reports, 2019, 19, 108. | 1.7 | 11 |
| 82 | Association between fat mass, adipose tissue, fat fraction per adipose tissue, and metabolic risks: a cross-sectional study in normal, overweight, and obese adults. European Journal of Clinical Nutrition, 2019, 73, 62-71. | 1.3 | 10 |
| 83 | Does adaptive thermogenesis occur after weight loss in adults? A systematic review. British Journal of Nutrition, 2022, 127, 451-469. | 1.2 | 10 |
| 84 | Endocrine Determinants of Changes in Insulin Sensitivity and Insulin Secretion during a Weight Cycle in Healthy Men. PLoS ONE, 2015, 10, e0117865. | 1.1 | 10 |
| 85 | What Is the Impact of Energy Expenditure on Energy Intake?. Nutrients, 2021, 13, 3508. | 1.7 | 10 |
| 86 | Adaptive thermogenesis after moderate weight loss: magnitude and methodological issues. European Journal of Nutrition, 2022, 61, 1405-1416. | 1.8 | 10 |
| 87 | Metabolic Health in Relation to Body Size: Changes in Prevalence over Time between 1997-99 and 2008-11 in Germany. PLoS ONE, 2016, 11, e0167159. | 1.1 | 9 |
| 88 | Impact of Energy Turnover on the Regulation of Energy and Macronutrient Balance. Obesity, 2021, 29, 1114-1119. | 1.5 | 8 |
| 89 | Pharmacokinetics of vitamin E, Î³-oryzanol, and ferulic acid in healthy humans after the ingestion of a rice bran-enriched porridge prepared with water or with milk. European Journal of Nutrition, 2019, 58, 2099-2110. | 1.8 | 7 |
| 90 | Mechanistic model of mass-specific basal metabolic rate: evaluation in healthy young adults. International Journal of Body Composition Research, 2011, 9, 147. | 0.5 | 7 |

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|---|---|---|---|
| 91 | Dietary recommendations for persons with type 2 diabetes mellitus. Experimental and Clinical Endocrinology and Diabetes, 2022, 130, S151-S184. | 0.6 | 7 |
| 92 | Boron Contents of German Mineral and Medicinal Waters and Their Bioavailability in Drosophila melanogaster and Humans. Molecular Nutrition and Food Research, 2021, 65, e2100345. | 1.5 | 6 |
| 93 | What Is a 2021 Reference Body?. Nutrients, 2022, 14, 1526. | 1.7 | 6 |
| 94 | Influence of Energy Balance and Glycemic Index on Metabolic Endotoxemia in Healthy Men. Journal of the American College of Nutrition, 2017, 36, 72-79. | 1.1 | 5 |
| 95 | Relationship between Birth Weight, Early Growth Rate, and Body Composition in 5- to 7-Year-Old Children. Obesity Facts, 2022, 15, 519-527. | 1.6 | 5 |
| 96 | Reply to MG Browning. American Journal of Clinical Nutrition, 2016, 103, 953-954. | 2.2 | 3 |
| 97 | Associations between high-metabolic rate organ masses and fasting hunger: A study using whole-body magnetic resonance imaging in healthy males. Physiology and Behavior, 2022, 250, 113796. | 1.0 | 3 |
| 98 | Changes in food reward and intuitive eating after weight loss and maintenance in former athletes with overweight or obesity. Obesity, 2022, , . | 1.5 | 2 |
| 99 | Regulation of energy balanceâ€"classical concepts and novel insights. European Journal of Clinical Nutrition, 2017, 71, 293-293. | 1.3 | 1 |
| 100 | Relationships between body roundness with body fat and visceral adipose tissue emerging from a new geometrical model. FASEB Journal, 2013, 27, 360.2. | 0.2 | 1 |
| 101 | Nutritional Recommendations for People with Type 1 Diabetes Mellitus. Experimental and Clinical Endocrinology and Diabetes, 2021, 129, S27-S43. | 0.6 | 1 |
| 102 | Postpartum Weight Retention in Women With Obesity. Journal of Clinical Endocrinology and Metabolism, 2020, 105, e2282-e2283. | 1.8 | 0 |
| 103 | Circulating sDPP-4 is increased in human subjects with obesity and related metabolic abnormalities and is altered in subjects hospitalized for severe COVID-19 infection. Diabetologie Und Stoffwechsel, 2021, 16, . | 0.0 | 0 |
| 104 | Festschrift zum 75. JubilÃum der Agrar- und ErnÃhrungswissenschaftlichen FakultÃt der Christian-Albrechts-UniversitÃt zu Kiel (1946-2021). , 2021, , . | | 0 |
| 105 | Validation of energy expenditure and macronutrient oxidation measured by two new whole-room indirect calorimeters at the University of Kiel and biological determinants of bias. Aktuelle Ernahrungsmedizin Klinik Und Praxis, 2022, , . | 0.1 | 0 |