

Maciej S Buchowski

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.

134
papers

6,130
citations

38
h-index

76
g-index

148
ext. papers

7,127
ext. citations

4.8
avg, IF

5.53
L-index

#	Paper	IF	Citations
134	Amount of time spent in sedentary behaviors in the United States, 2003-2004. <i>American Journal of Epidemiology</i> , 2008 , 167, 875-81	3.8	1722
133	Validation of accelerometer wear and nonwear time classification algorithm. <i>Medicine and Science in Sports and Exercise</i> , 2011 , 43, 357-64	1.2	845
132	Assessment of wear/nonwear time classification algorithms for triaxial accelerometer. <i>Medicine and Science in Sports and Exercise</i> , 2012 , 44, 2009-16	1.2	247
131	Southern community cohort study: establishing a cohort to investigate health disparities. <i>Journal of the National Medical Association</i> , 2005 , 97, 972-9	2.3	144
130	Comparing diabetes prevalence between African Americans and Whites of similar socioeconomic status. <i>American Journal of Public Health</i> , 2007 , 97, 2260-7	5.1	125
129	Body composition and energy metabolism following Roux-en-Y gastric bypass surgery. <i>Obesity</i> , 2010 , 18, 1718-24	8	93
128	Aerobic exercise training reduces cannabis craving and use in non-treatment seeking cannabis-dependent adults. <i>PLoS ONE</i> , 2011 , 6, e17465	3.7	89
127	Contextual factors influencing the eating behaviours of African American women: a focus group investigation. <i>Ethnicity and Health</i> , 2002 , 7, 133-47	2.2	85
126	Predicting energy expenditure of physical activity using hip- and wrist-worn accelerometers. <i>Diabetes Technology and Therapeutics</i> , 2003 , 5, 1023-33	8.1	84
125	Energy expenditure, inflammation, and oxidative stress in steady-state adolescents with sickle cell anemia. <i>Pediatric Research</i> , 2007 , 61, 233-8	3.2	80
124	Mulberry leaf extract intake reduces hyperglycaemia in streptozotocin (STZ)-induced diabetic rats fed high-fat diet. <i>Journal of Functional Foods</i> , 2014 , 8, 9-17	5.1	78
123	Effects of obesity and height on prostate-specific antigen (PSA) and percentage of free PSA levels among African-American and Caucasian men. <i>Cancer</i> , 2006 , 107, 2361-7	6.4	74
122	Adaptation of lactose maldigesters to continued milk intakes. <i>American Journal of Clinical Nutrition</i> , 1993 , 58, 879-81	7	71
121	Cannabis cue-induced brain activation correlates with drug craving in limbic and visual salience regions: preliminary results. <i>Psychiatry Research - Neuroimaging</i> , 2013 , 214, 122-31	2.9	69
120	Physical Activity: A Viable Way to Reduce the Risks of Mild Cognitive Impairment, Alzheimer's Disease, and Vascular Dementia in Older Adults. <i>Brain Sciences</i> , 2017 , 7,	3.4	69
119	Dietary calcium intake in lactose maldigesting intolerant and tolerant African-American women. <i>Journal of the American College of Nutrition</i> , 2002 , 21, 47-54	3.5	65
118	Changes in antioxidant activity and free radical scavenging potential of rosemary extract and tocopherols in isolated rapeseed oil triacylglycerols during accelerated tests. <i>Food Chemistry</i> , 2005 , 93, 227-235	8.5	62

117	The Eating Behavior Patterns Questionnaire predicts dietary fat intake in African American women*1. <i>Journal of the American Dietetic Association</i> , 2003 , 103, 338-345		59
116	Physical activity, sedentary behavior, and cause-specific mortality in black and white adults in the Southern Community Cohort Study. <i>American Journal of Epidemiology</i> , 2014 , 180, 394-405	3.8	58
115	The relationship of oxidative stress, adiposity and metabolic risk factors in healthy Black and White American youth. <i>Pediatric Obesity</i> , 2014 , 9, 43-52	4.6	52
114	Estimating nutrient intake from a food frequency questionnaire: incorporating the elements of race and geographic region. <i>American Journal of Epidemiology</i> , 2009 , 170, 104-11	3.8	52
113	Energy expenditure determined by self-reported physical activity is related to body fatness. <i>Obesity</i> , 1999 , 7, 23-33		52
112	The relationship between hispanic parents and their preschool-aged children's physical activity. <i>Pediatrics</i> , 2011 , 127, 888-95	7.4	50
111	Physical activity limitation as measured by accelerometry in pulmonary arterial hypertension. <i>Chest</i> , 2012 , 142, 1391-1398	5.3	49
110	Effect of a Behavioral Intervention for Underserved Preschool-Age Children on Change in Body Mass Index: A Randomized Clinical Trial. <i>JAMA - Journal of the American Medical Association</i> , 2018 , 320, 450-460	27.4	48
109	Seasonal changes in amount and patterns of physical activity in women. <i>Journal of Physical Activity and Health</i> , 2009 , 6, 252-61	2.5	48
108	Validity of a multisensor armband in estimating 24-h energy expenditure in children. <i>Medicine and Science in Sports and Exercise</i> , 2008 , 40, 699-706	1.2	48
107	Stages of change and the intake of dietary fat in African-American women: improving stage assignment using the Eating Styles Questionnaire. <i>Journal of the American Dietetic Association</i> , 1999 , 99, 1392-9		46
106	Healthy Eating and Risks of Total and Cause-Specific Death among Low-Income Populations of African-Americans and Other Adults in the Southeastern United States: A Prospective Cohort Study. <i>PLoS Medicine</i> , 2015 , 12, e1001830; discussion e1001830	11.6	45
105	Racial differences in the association between body mass index and serum IGF1, IGF2, and IGFBP3. <i>Endocrine-Related Cancer</i> , 2010 , 17, 51-60	5.7	45
104	Biochemical validation of food frequency questionnaire-estimated carotenoid, alpha-tocopherol, and folate intakes among African Americans and non-Hispanic Whites in the Southern Community Cohort Study. <i>American Journal of Epidemiology</i> , 2010 , 171, 488-97	3.8	44
103	Evaluation of two fatigability severity measures in elderly adults. <i>Journal of the American Geriatrics Society</i> , 2012 , 60, 1527-33	5.6	43
102	Daily energy expenditure through the human life course. <i>Science</i> , 2021 , 373, 808-812	33.3	43
101	DXA-measured visceral adipose tissue predicts impaired glucose tolerance and metabolic syndrome in obese Caucasian and African-American women. <i>European Journal of Clinical Nutrition</i> , 2015 , 69, 329-36	5.2	42
100	Validation of the ActiGraph two-regression model for predicting energy expenditure. <i>Medicine and Science in Sports and Exercise</i> , 2010 , 42, 1785-92	1.2	42

99	Lactose, calcium source and age affect calcium bioavailability in rats. <i>Journal of Nutrition</i> , 1991 , 121, 1746-54	4.54	41
98	Effect of modest caloric restriction on oxidative stress in women, a randomized trial. <i>PLoS ONE</i> , 2012 , 7, e47079	3.7	39
97	Sedentary and physically active behavior patterns among low-income African-American and white adults living in the southeastern United States. <i>PLoS ONE</i> , 2013 , 8, e59975	3.7	39
96	Patterns of physical activity in free-living adults in the Southern United States. <i>European Journal of Clinical Nutrition</i> , 2004 , 58, 828-37	5.2	36
95	The Eating Behavior Patterns Questionnaire predicts dietary fat intake in African American women. <i>Journal of the American Dietetic Association</i> , 2003 , 103, 338-45		36
94	HTR1B, ADIPOR1, PPARGC1A, and CYP19A1 and obesity in a cohort of Caucasians and African Americans: an evaluation of gene-environment interactions and candidate genes. <i>American Journal of Epidemiology</i> , 2012 , 175, 11-21	3.8	35
93	Growth patterns in children with sickle cell anemia during puberty. <i>Pediatric Blood and Cancer</i> , 2009 , 53, 635-41	3	33
92	Heating and the Distribution of Total and Heme Iron Between Meat and Broth. <i>Journal of Food Science</i> , 1988 , 53, 43-45	3.4	33
91	A 52-week pilot study of the effects of exenatide on body weight in patients with hypothalamic obesity. <i>Obesity</i> , 2016 , 24, 1222-5	8	32
90	Protein turnover and energy expenditure increase during exogenous nutrient availability in sickle cell disease. <i>American Journal of Clinical Nutrition</i> , 1998 , 68, 607-14	7	32
89	Efficiency of walking and stepping: relationship to body fatness. <i>Obesity</i> , 2004 , 12, 982-9		30
88	Sedentary behavior, physical activity, and likelihood of breast cancer among Black and White women: a report from the Southern Community Cohort Study. <i>Cancer Prevention Research</i> , 2013 , 6, 566-76	3.2	29
87	Energy expenditure in obese children with pseudohypoparathyroidism type 1a. <i>International Journal of Obesity</i> , 2013 , 37, 1147-53	5.5	29
86	Association between prostate-specific antigen and leptin, adiponectin, HbA1c or C-peptide among African-American and Caucasian men. <i>Prostate Cancer and Prostatic Diseases</i> , 2008 , 11, 264-9	6.2	28
85	Pigmented rice bran and plant sterol combination reduces serum lipids in overweight and obese adults. <i>Journal of the American College of Nutrition</i> , 2014 , 33, 231-8	3.5	25
84	Doubly labeled water is a validated and verified reference standard in nutrition research. <i>Journal of Nutrition</i> , 2014 , 144, 573-4	4.1	25
83	A comparison of intrinsic and extrinsic tracer methods for estimating calcium bioavailability to rats from dairy foods. <i>Journal of Nutrition</i> , 1989 , 119, 228-34	4.1	25
82	Racial disparities in the treatment of depression in low-income persons with diabetes. <i>Diabetes Care</i> , 2010 , 33, 1050-4	14.6	23

81	Separate estimates of portion size were not essential for energy and nutrient estimation: results from the Southern Community Cohort food-frequency questionnaire pilot study. <i>Public Health Nutrition</i> , 2007 , 10, 245-51	3.3	23
80	Recent progress in the use of functional foods for older adults: A narrative review. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2020 , 19, 835-856	16.4	22
79	Patterns and energy expenditure of free-living physical activity in adolescents with sickle cell anemia. <i>Journal of Pediatrics</i> , 2002 , 140, 86-92	3.6	22
78	Parent's Physical Activity Associated With Preschooler Activity in Underserved Populations. <i>American Journal of Preventive Medicine</i> , 2017 , 52, 424-432	6.1	21
77	A standard calculation methodology for human doubly labeled water studies. <i>Cell Reports Medicine</i> , 2021 , 2, 100203	18	21
76	Parity and breastfeeding in relation to obesity among black and white women in the southern community cohort study. <i>Journal of Women's Health</i> , 2009 , 18, 1323-32	3	20
75	Effect of dairy and non-dairy calcium on fecal fat excretion in lactose digester and maldigester obese adults. <i>International Journal of Obesity</i> , 2010 , 34, 127-35	5.5	19
74	Differences in the association between serum leptin levels and body mass index in black and white women: a report from the Southern Community Cohort Study. <i>Annals of Nutrition and Metabolism</i> , 2012 , 60, 90-7	4.5	19
73	Nutrition in minority elders: current problems and future directions. <i>Journal of Health Care for the Poor and Underserved</i> , 1996 , 7, 184-209	1.4	19
72	Separating bedtime rest from activity using waist or wrist-worn accelerometers in youth. <i>PLoS ONE</i> , 2014 , 9, e92512	3.7	18
71	Relationship between smoking and obesity among women. <i>American Journal of Health Behavior</i> , 2011 , 35, 627-36	1.9	18
70	Plasma selenium biomarkers in low income black and white americans from the southeastern United States. <i>PLoS ONE</i> , 2014 , 9, e84972	3.7	17
69	Defects in postabsorptive plasma homeostasis of fatty acids in sickle cell disease. <i>Journal of Parenteral and Enteral Nutrition</i> , 2007 , 31, 263-8	4.2	17
68	Use of air displacement plethysmography in the determination of percentage of fat mass in african american children. <i>Pediatric Research</i> , 2004 , 56, 47-54	3.2	17
67	Equation to estimate resting energy expenditure in adolescents with sickle cell anemia. <i>American Journal of Clinical Nutrition</i> , 2002 , 76, 1335-44	7	17
66	Evaluation of a questionnaire to assess sedentary and active behaviors in the Southern Community Cohort Study. <i>Journal of Physical Activity and Health</i> , 2012 , 9, 765-75	2.5	16
65	Alterations in basal nutrient metabolism increase resting energy expenditure in sickle cell disease. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 1998 , 274, E357-64	6	16
64	Physical activity and obesity gap between black and white women in the southeastern U.S. <i>American Journal of Preventive Medicine</i> , 2010 , 39, 140-7	6.1	15

63	Increased bone turnover is associated with protein and energy metabolism in adolescents with sickle cell anemia. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2001 , 280, E518-27	6	15
62	Distributed lag and spline modeling for predicting energy expenditure from accelerometry in youth. <i>Journal of Applied Physiology</i> , 2010 , 108, 314-27	3.7	14
61	Nonheme iron absorption, apparent iron absorption and hemoglobin regeneration efficiency in anemic and normal rats fed with dietary heme and nonheme iron at various levels. <i>Nutrition Research</i> , 1989 , 9, 773-783	4	14
60	Effects of Low Versus Moderate Glycemic Index Diets on Aerobic Capacity in Endurance Runners: Three-Week Randomized Controlled Crossover Trial. <i>Nutrients</i> , 2018 , 10,	6.7	13
59	Chemical characterization and antioxidative properties of Polish variety of <i>Morus alba</i> L. leaf aqueous extracts from the laboratory and pilot-scale processes. <i>Agricultural Sciences</i> , 2013 , 04, 141-147	0.4	13
58	Eating breakfast and avoiding late-evening snacking sustains lipid oxidation. <i>PLoS Biology</i> , 2020 , 18, e3000622	12	12
57	Novel patterns of physical activity in a large sample of preschool-aged children. <i>BMC Public Health</i> , 2018 , 18, 242	4.1	12
56	Healthy families study: design of a childhood obesity prevention trial for Hispanic families. <i>Contemporary Clinical Trials</i> , 2013 , 35, 108-21	2.3	12
55	Energy expenditure of genuine laughter. <i>International Journal of Obesity</i> , 2007 , 31, 131-7	5.5	12
54	Computer-assisted teaching of nutritional anemias and diabetes to first-year medical students. <i>American Journal of Clinical Nutrition</i> , 2002 , 75, 154-61	7	12
53	Bioavailability of electrolytic iron in fortified infant cereal determined by hemoglobin repletion in piglets. <i>Nutrition Research</i> , 1993 , 13, 287-295	4	12
52	Physical activity, sedentary behavior and all-cause mortality among blacks and whites with diabetes. <i>Annals of Epidemiology</i> , 2015 , 25, 649-55	6.4	11
51	Diabetes and co-morbid depression among racially diverse, low-income adults. <i>Annals of Behavioral Medicine</i> , 2011 , 41, 300-9	4.5	11
50	Rapid measurement of total body water to facilitate clinical decision making in hospitalized elderly patients. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2009 , 64, 664-9	6.4	11
49	Assessing Body Fat Changes during Moderate Weight Loss with Anthropometry and Bioelectrical Impedance. <i>Obesity Research and Clinical Practice</i> , 2009 , 3, 209	5.4	11
48	Plasma leptin association with body composition and energy expenditure in sickle cell disease. <i>Journal of the American College of Nutrition</i> , 2000 , 19, 228-36	3.5	11
47	Calcium Bioavailability from Ripening Cheddar Cheese. <i>Journal of Food Science</i> , 1990 , 55, 1293-1295	3.4	11
46	Fatigability as a function of physical activity energy expenditure in older adults. <i>Age</i> , 2013 , 35, 179-87		10

45	Effects of calcium supplementation, calcium source and lactose on iron absorption in the rat. <i>Nutrition Research</i> , 1993 , 13, 1173-1181	4	10
44	The relationship of oxygen transport and cardiac index for the prevention of sickle cell crises. <i>Journal of the National Medical Association</i> , 2010 , 102, 1000-7	2.3	9
43	Patterns and correlates of sleep duration in the Southern cohort community study. <i>Sleep Medicine</i> , 2020 , 75, 459-467	4.6	7
42	Energy compensation and adiposity in humans. <i>Current Biology</i> , 2021 , 31, 4659-4666.e2	6.3	7
41	Identifying bedrest using 24-h waist or wrist accelerometry in adults. <i>PLoS ONE</i> , 2018 , 13, e0194461	3.7	6
40	Total body water in elderly adults--assessing hydration status by bioelectrical impedance analysis vs urine osmolality. <i>Journal of the American Geriatrics Society</i> , 2012 , 60, 388-90	5.6	6
39	Oxidative stress and multi-organ failure in hospitalized elderly people. <i>Journal of the American Geriatrics Society</i> , 2008 , 56, 1150-2	5.6	6
38	Plasma Lycopene Is Associated with Pizza and Pasta Consumption in Middle-Aged and Older African American and White Adults in the Southeastern USA in a Cross-Sectional Study. <i>PLoS ONE</i> , 2016 , 11, e0161918	2.7	6
37	Effects of fibre-rich rye milling fraction on the functional properties and nutritional quality of wholemeal rye bread. <i>Journal of Food Science and Technology</i> , 2020 , 57, 222-232	3.3	6
36	Parental perception of built environment characteristics and built environment use among Latino families: a cross-sectional study. <i>BMC Public Health</i> , 2016 , 16, 1180	4.1	5
35	Dietary factors and cancers of breast, endometrium, and ovary: strategies for modifying fat intake in African American women. <i>American Journal of Obstetrics and Gynecology</i> , 1997 , 176, S255-64	6.4	5
34	Food intake of folate, folic acid and other B vitamins with lung cancer risk in a low-income population in the Southeastern United States. <i>European Journal of Nutrition</i> , 2020 , 59, 671-683	5.2	5
33	Energy Expenditure of Common Sedentary Activities in Youth. <i>Journal of Physical Activity and Health</i> , 2016 , 13, S17-20	2.5	4
32	Chronic sympathetic attenuation and energy metabolism in autonomic failure. <i>Hypertension</i> , 2012 , 59, 985-90	8.5	4
31	Intestinal ⁵⁹ Fe distribution and absorption in rats with different iron status and given wheat bran or ferrous sulfate as dietary iron sources. <i>Nutrition Research</i> , 1992 , 12, 1479-1490	4	4
30	Early postoperative physical activity and function: a descriptive case series study of 53 patients after lumbar spine surgery. <i>BMC Musculoskeletal Disorders</i> , 2020 , 21, 783	2.8	4
29	Insulin resistance is not associated with thermogenic effect of a high-fat meal in obese children. <i>Nutrition Research</i> , 2014 , 34, 486-90	4	3
28	Association of gene coding variation and resting metabolic rate in a multi-ethnic sample of children and adults. <i>BMC Obesity</i> , 2017 , 4, 12	3.6	3

27	Longitudinal differences in aerobic capacity between children with sickle cell anemia and matched controls. <i>Pediatric Blood and Cancer</i> , 2015 , 62, 648-53	3	3
26	Effect of BMI on prediction of accelerometry-based energy expenditure in youth. <i>Medicine and Science in Sports and Exercise</i> , 2012 , 44, 2428-35	1.2	3
25	Effect of Heat Treatment and Organic Acids on Bioavailability of Endogenous Iron From Wheat Bran in Rats. <i>Canadian Institute of Food Science and Technology Journal</i> , 1988 , 21, 161-166		3
24	Refining a Church-Based Lifestyle Intervention Targeting African-American Adults at Risk for Cardiometabolic Diseases: A Pilot Study. <i>Open Journal of Epidemiology</i> , 2017 , 7, 96-114	0.2	3
23	Physical activity and fat-free mass during growth and in later life. <i>American Journal of Clinical Nutrition</i> , 2021 , 114, 1583-1589	7	3
22	Assessing Physical Activity Using Accelerometers in Youth with Duchenne Muscular Dystrophy. <i>Journal of Neuromuscular Diseases</i> , 2020 , 7, 331-342	5	2
21	Comparative assessment of change in fat mass using dual X-ray absorptiometry and air-displacement plethysmography. <i>Clinical Obesity</i> , 2012 , 2, 66-72	3.6	2
20	Determination of iron absorption by rat bioassay. Evaluation of methods of dosing ⁵⁹ Fe on radioiron absorption from plant diets. <i>Plant Foods for Human Nutrition</i> , 1991 , 41, 299-307	3.9	2
19	Energy balance in hypothalamic obesity in response to treatment with a once-weekly GLP-1 receptor agonist.. <i>International Journal of Obesity</i> , 2022 ,	5.5	2
18	Sickle Cell Anemia as a Disease of Oxygen Transport: Possible Implications for the Prevention of Sickle Cell Crises.. <i>Blood</i> , 2009 , 114, 4617-4617	2.2	2
17	Oxygen Consumption during Viniyoga Practice in Adults. <i>International Journal of Yoga</i> , 2018 , 11, 194-200	1.6	2
16	Functional Properties and Antioxidant Activity of L. Leaves var. Zolwinska Wielkolistna (WML-P)-The Effect of Controlled Conditioning Process. <i>Antioxidants</i> , 2020 , 9,	7.1	2
15	Beyond ambulation: Measuring physical activity in youth with Duchenne muscular dystrophy. <i>Neuromuscular Disorders</i> , 2020 , 30, 277-282	2.9	2
14	DietitiansTChanges Following Continuing Education on Nutrition Management of Hospitalized Elderly. <i>Journal of Nutrition in Gerontology and Geriatrics</i> , 2002 , 22, 35-47		1
13	Work efficiency during step aerobic exercise in female instructors and noninstructors. <i>Research Quarterly for Exercise and Sport</i> , 1998 , 69, 82-8	1.9	1
12	Identifying bedrest using waist-worn triaxial accelerometers in preschool children. <i>PLoS ONE</i> , 2021 , 16, e0246055	3.7	1
11	Physical Activity Levels and Cardiometabolic Risks in Obese African American Adults: A Pilot Intervention Study. <i>Journal of Health Care for the Poor and Underserved</i> , 2018 , 29, 1027-1045	1.4	0
10	Total energy expenditure is repeatable in adults but not associated with short-term changes in body composition.. <i>Nature Communications</i> , 2022 , 13, 99	17.4	0

- 9 Changes of Tocopherols and Phospholipids during Heating of Low-Erucic Rapeseed Oil at Temperature Similar to Fritting. *Lipid - Fett*, **1995**, 97, 10-12
- 8 Physical Activity And Resting Metabolic Rate In Overweight Women During Energy Restriction Induced Weight Loss. *Medicine and Science in Sports and Exercise*, **2005**, 37, S137 1.2
- 7 Validity Of A Multi-sensor Activity Monitor In Estimating Energy Expenditure In Children. *Medicine and Science in Sports and Exercise*, **2005**, 37, S437-S438 1.2
- 6 Effect of dietary calcium and lactose maldigestion on fecal fat excretion during energy restriction in obese adults. *FASEB Journal*, **2006**, 20, A1029 0.9
- 5 Fatigability as a function of physical activity energy expenditure: proof of concept. *FASEB Journal*, **2012**, 26, 367.6 0.9
- 4 Eating breakfast and avoiding late-evening snacking sustains lipid oxidation **2020**, 18, e3000622
- 3 Eating breakfast and avoiding late-evening snacking sustains lipid oxidation **2020**, 18, e3000622
- 2 Eating breakfast and avoiding late-evening snacking sustains lipid oxidation **2020**, 18, e3000622
- 1 Eating breakfast and avoiding late-evening snacking sustains lipid oxidation **2020**, 18, e3000622