

David A Fields

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.

95
papers

3,383
citations

33
h-index

56
g-index

102
ext. papers

3,913
ext. citations

4.6
avg, IF

5.41
L-index

#	Paper	IF	Citations
95	Body-composition assessment via air-displacement plethysmography in adults and children: a review. <i>American Journal of Clinical Nutrition</i> , 2002 , 75, 453-67	7	415
94	Resistance training increases total energy expenditure and free-living physical activity in older adults. <i>Journal of Applied Physiology</i> , 2000 , 89, 977-84	3.7	189
93	Body composition techniques and the four-compartment model in children. <i>Journal of Applied Physiology</i> , 2000 , 89, 613-20	3.7	162
92	Impact of maternal body mass index on neonate birthweight and body composition. <i>American Journal of Obstetrics and Gynecology</i> , 2008 , 198, 416.e1-6	6.4	155
91	Relationship of insulin, glucose, leptin, IL-6 and TNF- α in human breast milk with infant growth and body composition. <i>Pediatric Obesity</i> , 2012 , 7, 304-12	4.6	137
90	Associations between human milk oligosaccharides and infant body composition in the first 6 mo of life. <i>American Journal of Clinical Nutrition</i> , 2015 , 102, 1381-8	7	124
89	Weighing the Evidence of Common Beliefs in Obesity Research. <i>Critical Reviews in Food Science and Nutrition</i> , 2015 , 55, 2014-53	11.5	119
88	Body composition assessment in the infant. <i>American Journal of Human Biology</i> , 2014 , 26, 291-304	2.7	114
87	A narrative review of the associations between six bioactive components in breast milk and infant adiposity. <i>Obesity</i> , 2016 , 24, 1213-21	8	85
86	Associations between human breast milk hormones and adipocytokines and infant growth and body composition in the first 6 months of life. <i>Pediatric Obesity</i> , 2017 , 12 Suppl 1, 78-85	4.6	75
85	Freshman 15: fact or fiction?. <i>Obesity</i> , 2006 , 14, 1438-43	8	63
84	Body composition at 6 months of life: comparison of air displacement plethysmography and dual-energy X-ray absorptiometry. <i>Obesity</i> , 2012 , 20, 2302-6	8	60
83	Maternal obesity and the human milk metabolome: associations with infant body composition and postnatal weight gain. <i>American Journal of Clinical Nutrition</i> , 2019 , 110, 111-120	7	59
82	Longitudinal body composition data in exclusively breast-fed infants: a multicenter study. <i>Obesity</i> , 2011 , 19, 1887-91	8	57
81	Air-displacement plethysmography pediatric option in 2-6 years old using the four-compartment model as a criterion method. <i>Obesity</i> , 2012 , 20, 1732-7	8	54
80	Resistance training improves metabolic economy during functional tasks in older adults. <i>Journal of Strength and Conditioning Research</i> , 2007 , 21, 91-5	3.2	52
79	Air-displacement plethysmography: here to stay. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2005 , 8, 624-9	3.8	52

78	Comparison of the BOD POD with the four-compartment model in adult females. <i>Medicine and Science in Sports and Exercise</i> , 2001 , 33, 1605-10	1.2	49
77	Advances in the science and application of body composition measurement. <i>Journal of Parenteral and Enteral Nutrition</i> , 2012 , 36, 96-107	4.2	45
76	Sex differences in body composition early in life. <i>Gender Medicine</i> , 2009 , 6, 369-75		44
75	Accuracy of DXA in estimating body composition changes in elite athletes using a four compartment model as the reference method. <i>Nutrition and Metabolism</i> , 2010 , 7, 22	4.6	44
74	Excess body fat in men decreases plasma fatty acid availability and oxidation during endurance exercise. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2004 , 286, E354-62	6	44
73	Effect of scalp and facial hair on air displacement plethysmography estimates of percentage of body fat. <i>Obesity</i> , 2001 , 9, 326-30	8	44
72	Body Mass Index Is a Better Indicator of Body Composition than Weight-for-Length at Age 1 Month. <i>Journal of Pediatrics</i> , 2019 , 204, 77-83.e1	3.6	43
71	Pharmacokinetics of Sucralose and Acesulfame-Potassium in Breast Milk Following Ingestion of Diet Soda. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2018 , 66, 466-470	2.8	43
70	Estimation of total body water and extracellular water with bioimpedance in athletes: A need for athlete-specific prediction models. <i>Clinical Nutrition</i> , 2016 , 35, 468-474	5.9	42
69	Higher Maternal Diet Quality during Pregnancy and Lactation Is Associated with Lower Infant Weight-For-Length, Body Fat Percent, and Fat Mass in Early Postnatal Life. <i>Nutrients</i> , 2019 , 11,	6.7	42
68	The effect of the Thanksgiving holiday on weight gain. <i>Nutrition Journal</i> , 2006 , 5, 29	4.3	42
67	Reproducibility of postprandial lipemia tests and validity of an abbreviated 4-hour test. <i>Metabolism: Clinical and Experimental</i> , 2008 , 57, 1479-85	12.7	40
66	Assessment of body composition by air-displacement plethysmography: influence of body temperature and moisture. <i>Dynamic Medicine: DM</i> , 2004 , 3, 3		39
65	Is bioelectrical impedance spectroscopy accurate in estimating total body water and its compartments in elite athletes?. <i>Annals of Human Biology</i> , 2013 , 40, 152-6	1.7	35
64	Relationship between changes in total-body water and fluid distribution with maximal forearm strength in elite judo athletes. <i>Journal of Strength and Conditioning Research</i> , 2011 , 25, 2488-95	3.2	34
63	Are skinfold-based models accurate and suitable for assessing changes in body composition in highly trained athletes?. <i>Journal of Strength and Conditioning Research</i> , 2009 , 23, 1688-96	3.2	34
62	Fructose in Breast Milk Is Positively Associated with Infant Body Composition at 6 Months of Age. <i>Nutrients</i> , 2017 , 9,	6.7	33
61	Changes in Women's Physical Activity During the Transition to College. <i>American Journal of Health Education</i> , 2008 , 39, 194-199	1	33

60	Child-specific thoracic gas volume prediction equations for air-displacement plethysmography. <i>Obesity</i> , 2004 , 12, 1797-804		33
59	Gestational and early life influences on infant body composition at 1 year. <i>Obesity</i> , 2013 , 21, 144-8	8	29
58	A PRISMA-driven systematic review of predictive equations for assessing fat and fat-free mass in healthy children and adolescents using multicomponent molecular models as the reference method. <i>Journal of Obesity</i> , 2013 , 2013, 148696	3.7	29
57	Associations of Maternal Weight Status Before, During, and After Pregnancy with Inflammatory Markers in Breast Milk. <i>Obesity</i> , 2017 , 25, 2092-2099	8	26
56	Total body water measurements in adolescent athletes: a comparison of six field methods with deuterium dilution. <i>Journal of Strength and Conditioning Research</i> , 2009 , 23, 1225-37	3.2	25
55	The effect of the holiday season on body weight and composition in college students. <i>Nutrition and Metabolism</i> , 2006 , 3, 44	4.6	24
54	Ability of the actiwatch accelerometer to predict free-living energy expenditure in young children. <i>Obesity</i> , 2004 , 12, 1859-65		24
53	Quality of growth in exclusively breast-fed infants in the first six months of life: an Italian study. <i>Pediatric Research</i> , 2010 , 68, 542-4	3.2	23
52	New charts for the assessment of body composition, according to air-displacement plethysmography, at birth and across the first 6 mo of life. <i>American Journal of Clinical Nutrition</i> , 2019 , 109, 1353-1360	7	22
51	Paradoxical increase in arterial compliance in obese pubertal children. <i>Angiology</i> , 2011 , 62, 565-70	2.1	22
50	Validity of air-displacement plethysmography in the assessment of body composition changes in a 16-month weight loss program. <i>Nutrition and Metabolism</i> , 2006 , 3, 32	4.6	22
49	Cord blood adipokines, neonatal anthropometrics and postnatal growth in offspring of Hispanic and Native American women with diabetes mellitus. <i>Reproductive Biology and Endocrinology</i> , 2015 , 13, 68	5	21
48	Adequacy of Infant Formula With Protein Content of 1.6 g/100 kcal for Infants Between 3 and 12 Months. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2015 , 61, 596-603	2.8	21
47	Monitoring body fat in the elderly: application of air-displacement plethysmography. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2004 , 7, 11-4	3.8	20
46	Suitability of Bioelectrical Based Methods to Assess Water Compartments in Recreational and Elite Athletes. <i>Journal of the American College of Nutrition</i> , 2016 , 35, 413-21	3.5	19
45	Air displacement plethysmography: cradle to grave. <i>Nutrition in Clinical Practice</i> , 2015 , 30, 219-26	3.6	18
44	MedGem hand-held indirect calorimeter is valid for resting energy expenditure measurement in healthy children. <i>Obesity</i> , 2006 , 14, 1755-61	8	17
43	Validity of a combined heart rate and motion sensor for the measurement of free-living energy expenditure in very active individuals. <i>Journal of Science and Medicine in Sport</i> , 2014 , 17, 387-93	4.4	16

42	Relationship of Maternal Weight Status Before, During, and After Pregnancy with Breast Milk Hormone Concentrations. <i>Obesity</i> , 2019 , 27, 621-628	8	15
41	Effect of the summer months on body weight and composition in college women. <i>Journal of Womens Health</i> , 2007 , 16, 1510-5	3	14
40	Comparison of air displacement plethysmography to hydrostatic weighing for estimating total body density in children. <i>BMC Pediatrics</i> , 2005 , 5, 37	2.6	14
39	High-Fructose Corn-Syrup-Sweetened Beverage Intake Increases 5-Hour Breast Milk Fructose Concentrations in Lactating Women. <i>Nutrients</i> , 2018 , 10,	6.7	14
38	Human Milk Exosomal MicroRNA: Associations with Maternal Overweight/Obesity and Infant Body Composition at 1 Month of Life. <i>Nutrients</i> , 2021 , 13,	6.7	13
37	Body Composition Measurements from Birth through 5 Years: Challenges, Gaps, and Existing & Emerging Technologies-A National Institutes of Health workshop. <i>Obesity Reviews</i> , 2020 , 21, e13033	10.6	13
36	Is bioelectrical impedance spectroscopy accurate in estimating changes in fat-free mass in judo athletes?. <i>Journal of Sports Sciences</i> , 2012 , 30, 1225-33	3.6	12
35	Effects of 2 brief interventions on women's understanding of moderate-intensity physical activity. <i>Journal of Physical Activity and Health</i> , 2008 , 5, 58-73	2.5	12
34	Increasing breast milk betaine modulates abundance in mammalian neonates and improves long-term metabolic health. <i>Science Translational Medicine</i> , 2021 , 13,	17.5	12
33	Lower resting energy expenditure and fat oxidation in Native American and Hispanic infants born to mothers with diabetes. <i>Journal of Pediatrics</i> , 2015 , 166, 884-9	3.6	11
32	Sex differences in cardiovascular disease risk in adolescents with type 1 diabetes. <i>Gender Medicine</i> , 2012 , 9, 251-8		11
31	Characterization of body weight and composition changes during the sophomore year of college. <i>BMC Womens Health</i> , 2007 , 7, 21	2.9	11
30	TOS Scientific Position Statement: Breastfeeding and Obesity. <i>Obesity</i> , 2017 , 25, 1864-1866	8	10
29	Evaluation of DXA vs. MRI for body composition measures in 1-month olds. <i>Pediatric Obesity</i> , 2015 , 10, e8-10	4.6	8
28	Impact of type 1 diabetes and body weight status on cardiovascular risk factors in adolescent children. <i>Journal of Clinical Hypertension</i> , 2011 , 13, 351-6	2.3	8
27	Fetal epicardial fat thickness in diabetic and non-diabetic pregnancies: A retrospective cross-sectional study. <i>Obesity</i> , 2016 , 24, 167-71	8	8
26	Brown Fat-Activating Lipokine 12,13-diHOME in Human Milk Is Associated With Infant Adiposity. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021 , 106, e943-e956	5.6	8
25	Association of Full Breastfeeding Duration with Postpartum Weight Retention in a Cohort of Predominantly Breastfeeding Women. <i>Nutrients</i> , 2019 , 11,	6.7	7

24	Packet randomized experiments for eliminating classes of confounders. <i>European Journal of Clinical Investigation</i> , 2015 , 45, 45-55	4.6	6
23	Effect of short schemes on body composition measurements using air-displacement plethysmography. <i>Dynamic Medicine: DM</i> , 2005 , 4, 8		6
22	The relationship between bioactive components in breast milk and bone mass in infants. <i>BoneKEY Reports</i> , 2014 , 3, 577		4
21	Challenges in infant body composition. <i>Pediatric Research</i> , 2012 , 72, 329; author reply 330-1	3.2	4
20	Validity of thoracic gas volume equations in children of varying body mass index classifications. <i>Pediatric Obesity</i> , 2007 , 2, 180-7		4
19	Are peristaltic pumps as reliable as syringe pumps for metabolic research? Assessment of accuracy, precision, and metabolic kinetics. <i>Metabolism: Clinical and Experimental</i> , 2004 , 53, 875-8	12.7	4
18	Associations of maternal fructose and sugar-sweetened beverage and juice intake during lactation with infant neurodevelopmental outcomes at 24 months. <i>American Journal of Clinical Nutrition</i> , 2020 , 112, 1516-1522	7	4
17	Carbohydrate composition in breast milk and its effect on infant health. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2020 , 23, 277-281	3.8	3
16	Validity of new child-specific thoracic gas volume prediction equations for air-displacement plethysmography. <i>BMC Pediatrics</i> , 2006 , 6, 18	2.6	3
15	Abdominal obesity adversely affects bone mass in children. <i>World Journal of Clinical Pediatrics</i> , 2018 , 7, 43-48	2.5	3
14	Associations Among Maternal Adiposity, Insulin, and Adipokines in Circulation and Human Milk. <i>Journal of Human Lactation</i> , 2021 , 37, 714-722	2.6	3
13	Associations of breastfeeding or formula feeding with infant anthropometry and body composition at 6 months. <i>Maternal and Child Nutrition</i> , 2021 , 17, e13105	3.4	3
12	Intensive glycemic control in gestational diabetes mellitus: a randomized controlled clinical feasibility trial. <i>American Journal of Obstetrics & Gynecology MFM</i> , 2019 , 1, 100050	7.4	2
11	Accuracy of step recording in free-living adults. <i>Research Quarterly for Exercise and Sport</i> , 2007 , 78, 542-549	7.9	2
10	Need for optimal body composition data analysis using air-displacement plethysmography in children and adolescents. <i>Journal of Nutrition</i> , 2006 , 136, 709; author reply 710	4.1	2
9	Association of Gestational Diabetes Mellitus With Altered Abundance of Exosomal MicroRNAs in Human Milk.. <i>Clinical Therapeutics</i> , 2022 ,	3.5	2
8	A Randomized Controlled Trial Assessing Growth of Infants Fed a 100% Whey Extensively Hydrolyzed Formula Compared With a Casein-Based Extensively Hydrolyzed Formula. <i>Global Pediatric Health</i> , 2016 , 3, 2333794X16636613	1.2	2
7	Infant sex differences in human milk intake and composition from 1- to 3-month post-delivery in a healthy United States cohort.. <i>Annals of Human Biology</i> , 2021 , 48, 455-465	1.7	1

6	Age-related influences on markers of inflammation and fibrinolysis. <i>FASEB Journal</i> , 2008 , 22, 923-7	0.9	1
5	Maternal Consumption of Sugar-Sweetened Beverages and Juices in Lactation Predicts Poorer Infant Neurodevelopment at 24 Postnatal Months. <i>Current Developments in Nutrition</i> , 2020 , 4, 943-943	0.4	1
4	Maternal Dietary Intake of Total Fat, Saturated Fat, and Added Sugar Is Associated with Infant Adiposity and Weight Status at 6 mo of Age. <i>Journal of Nutrition</i> , 2021 , 151, 2353-2360	4.1	1
3	Human Milk Oligosaccharides Are Stable Over One-Week of Lactation and Over Six-Hours Following a Standardized Meal. <i>Current Developments in Nutrition</i> , 2021 , 5, 719-719	0.4	1
2	Human Milk Glucose, Leptin, and Insulin Predict Cessation of Full Breastfeeding and Initiation of Formula Use. <i>Breastfeeding Medicine</i> , 2021 , 16, 978-986	2.1	1
1	Bioactive compounds in mothers milk affecting offspring outcomes: A narrative review.. <i>Pediatric Obesity</i> , 2022 , e12892	4.6	0