

Diana M Thomas

List of Publications by Year in descending order

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Version: 2024-02-01

95
papers

3,979
citations

201385

27
h-index

128067

60
g-index

95
all docs

95
docs citations

95
times ranked

5423
citing authors

#	ARTICLE	IF	CITATIONS
1	Overflowing tables: Changes in the energy intake and the social context of Thanksgiving in the United States. <i>Historical Methods</i> , 2022, 55, 30-44.	0.9	0
2	Phenotypic differences between people varying in muscularity. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2022, 13, 1100-1112.	2.9	13
3	The potential epidemiologic, clinical, and economic impact of requiring schools to offer Physical Education (PE) classes in Mexico City. <i>PLoS ONE</i> , 2022, 17, e0268118.	1.1	2
4	Technical report: an online international weight control registry to inform precision approaches to healthy weight management. <i>International Journal of Obesity</i> , 2022, 46, 1728-1733.	1.6	4
5	The Behavioral Intervention with Technology for E-Weight Loss Study (BITES): Incorporating Energy Balance Models and the Bite Counter into an Online Behavioral Weight Loss Program. <i>Journal of Technology in Behavioral Science</i> , 2021, 6, 406-418.	1.3	2
6	Resting Energy Expenditure: From Cellular to Whole-Body Level, a Mechanistic Historical Perspective. <i>Obesity</i> , 2021, 29, 500-511.	1.5	19
7	Food for thought: A natural language processing analysis of the 2020 Dietary Guidelines public comments. <i>American Journal of Clinical Nutrition</i> , 2021, 114, 713-720.	2.2	6
8	Allometric models of adult regional body lengths and circumferences to height: Insights from a three-dimensional body image scanner. <i>American Journal of Human Biology</i> , 2020, 32, e23349.	0.8	6
9	Can the Participant Speak Beyond Likert? Free-Text Responses in COVID-19 Obesity Surveys. <i>Obesity</i> , 2020, 28, 2268-2271.	1.5	4
10	Alpha thalassemia genotypes in Kuwait. <i>BMC Medical Genetics</i> , 2020, 21, 170.	2.1	4
11	A Primer on COVID-19 Mathematical Models. <i>Obesity</i> , 2020, 28, 1375-1377.	1.5	32
12	Machine learning prediction of combat basic training injury from 3D body shape images. <i>PLoS ONE</i> , 2020, 15, e0235017.	1.1	7
13	Best (but oft-forgotten) practices: identifying and accounting for regression to the mean in nutrition and obesity research. <i>American Journal of Clinical Nutrition</i> , 2020, 111, 256-265.	2.2	17
14	Use and abuse of dietary supplements in persons with diabetes. <i>Nutrition and Diabetes</i> , 2020, 10, 14.	1.5	29
15	Machine learning prediction of combat basic training injury from 3D body shape images. , 2020, 15, e0235017.		0
16	Machine learning prediction of combat basic training injury from 3D body shape images. , 2020, 15, e0235017.		0
17	Machine learning prediction of combat basic training injury from 3D body shape images. , 2020, 15, e0235017.		0
18	Machine learning prediction of combat basic training injury from 3D body shape images. , 2020, 15, e0235017.		0

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19	Modelling the metabolism: allometric relationships between total daily energy expenditure, body mass, and height. <i>European Journal of Clinical Nutrition</i> , 2019, 73, 763-769.	1.3	7
20	Cardiometabolic thresholds for peak 30-min cadence and steps/day. <i>PLoS ONE</i> , 2019, 14, e0219933.	1.1	16
21	Childhood obesity intervention studies: A narrative review and guide for investigators, authors, editors, reviewers, journalists, and readers to guard against exaggerated effectiveness claims. <i>Obesity Reviews</i> , 2019, 20, 1523-1541.	3.1	25
22	Obesity Tissue: Composition, Energy Expenditure, and Energy Content in Adult Humans. <i>Obesity</i> , 2019, 27, 1472-1481.	1.5	24
23	Predictive Mathematical Models of Weight Loss. <i>Current Diabetes Reports</i> , 2019, 19, 93.	1.7	6
24	Allometric scaling of weight to height and resulting body mass index thresholds in two Asian populations. <i>Nutrition and Diabetes</i> , 2019, 9, 2.	1.5	12
25	Do Women Know Their Prepregnancy Weight?. <i>Obesity</i> , 2019, 27, 1161-1167.	1.5	15
26	The Sub-Phenotypes of Sickle Cell Disease in Kuwait. <i>Hemoglobin</i> , 2019, 43, 83-87.	0.4	13
27	Scaling of adult human bone and skeletal muscle mass to height in the US population. <i>American Journal of Human Biology</i> , 2019, 31, e23252.	0.8	11
28	The New Army Combat Fitness Test: An Opportunity to Improve Recruitment and Retainment. <i>Obesity</i> , 2019, 27, 1772-1775.	1.5	14
29	Gestational growth trajectories derived from a dynamic fetal-placental scaling law. <i>Journal of the Royal Society Interface</i> , 2019, 16, 20190417.	1.5	4
30	Revisiting the United States Army body composition standards: a receiver operating characteristic analysis. <i>International Journal of Obesity</i> , 2019, 43, 1508-1515.	1.6	6
31	Risk of avascular necrosis of the femoral head in children with sickle cell disease on hydroxyurea: MRI evaluation. <i>Pediatric Blood and Cancer</i> , 2019, 66, e27503.	0.8	12
32	A machine learning approach relating 3D body scans to body composition in humans. <i>European Journal of Clinical Nutrition</i> , 2019, 73, 200-208.	1.3	27
33	The anatomy of resting energy expenditure: body composition mechanisms. <i>European Journal of Clinical Nutrition</i> , 2019, 73, 166-171.	1.3	34
34	Evidence-based recommendations for energy intake in pregnant women with obesity. <i>Journal of Clinical Investigation</i> , 2019, 129, 4682-4690.	3.9	34
35	A Comment on Scherr et al "A Multicomponent, School-Based Intervention, the Shaping Healthy Choices Program , Improves Nutrition-Related Outcomes". <i>Journal of Nutrition Education and Behavior</i> , 2018, 50, 324-325.	0.3	5
36	Unaccounted for regression to the mean renders conclusion of article titled "Urlic acid lowering in relation to HbA1c reductions with the SGLT2 inhibitor tofogliflozin" unsubstantiated. <i>Diabetes, Obesity and Metabolism</i> , 2018, 20, 2039-2040.	2.2	3

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37	Resting Metabolic Rate, Total Daily Energy Expenditure, and Metabolic Adaptation 6 Months and 24 Months After Bariatric Surgery. <i>Obesity</i> , 2018, 26, 862-868.	1.5	41
38	A Mathematical Model for Predicting Obesity Transmission with Both Genetic and Nongenetic Heredity. <i>Obesity</i> , 2018, 26, 927-933.	1.5	8
39	A review of machine learning in obesity. <i>Obesity Reviews</i> , 2018, 19, 668-685.	3.1	133
40	Energy Intake Derived from an Energy Balance Equation, Validated Activity Monitors, and Dual X-Ray Absorptiometry Can Provide Acceptable Caloric Intake Data among Young Adults. <i>Journal of Nutrition</i> , 2018, 148, 490-496.	1.3	31
41	Letter to the editor. <i>Journal of Women and Aging</i> , 2018, 30, 2-5.	0.5	5
42	The claim that effectiveness has been demonstrated in the Parenting, Eating and Activity for Child Health (PEACH) childhood obesity intervention is unsubstantiated by the data. <i>British Journal of Nutrition</i> , 2018, 120, 958-959.	1.2	6
43	Misrepresentation of the Pennington Biomedical Research Center Weight Loss Predictor. <i>American Journal of Clinical Nutrition</i> , 2018, 108, 898-901.	2.2	0
44	Bite count rates in free-living individuals: new insights from a portable sensor. <i>BMC Nutrition</i> , 2018, 4, 23.	0.6	6
45	Adult energy requirements predicted from doubly labeled water. <i>International Journal of Obesity</i> , 2018, 42, 1515-1523.	1.6	9
46	TO THE EDITOR:. <i>Spine</i> , 2018, 43, E492-E493.	1.0	3
47	Energy balance, energy turnover, and risk of body fat gain. <i>American Journal of Clinical Nutrition</i> , 2017, 105, 540-541.	2.2	4
48	A new universal dynamic model to describe eating rate and cumulative intake curves. <i>American Journal of Clinical Nutrition</i> , 2017, 105, 323-331.	2.2	9
49	Compensatory Changes in Energy Balance Regulation over One Athletic Season. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 1229-1235.	0.2	19
50	Energy Balance over One Athletic Season. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 1724-1733.	0.2	26
51	Do Dynamic Fat and Fat-Free Mass Changes follow Theoretical Driven Rules in Athletes?. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 2086-2092.	0.2	5
52	Establishing energy requirements for body weight maintenance: validation of an intake-balance method. <i>BMC Research Notes</i> , 2017, 10, 220.	0.6	10
53	Effectiveness of SmartMoms, a Novel eHealth Intervention for Management of Gestational Weight Gain: Randomized Controlled Pilot Trial. <i>JMIR MHealth and UHealth</i> , 2017, 5, e133.	1.8	81
54	Adult Human Ocular Volume: Scaling to Body Size and Composition. <i>Anatomy & Physiology: Current Research</i> , 2016, 6, .	0.1	7

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55	We Agree That Self-Reported Energy Intake Should Not Be Used as a Basis for Conclusions about Energy Intake in Scientific Research. <i>Journal of Nutrition</i> , 2016, 146, 1141-1142.	1.3	5
56	First Trimester Detection of Placental Disease: Challenges and Opportunities. <i>American Journal of Perinatology</i> , 2016, 33, 1306-1312.	0.6	4
57	Relationships between misreported energy intake and pregnancy in the pregnancy, infection and nutrition study: new insights from a dynamic energy balance model. <i>Obesity Science and Practice</i> , 2016, 2, 174-179.	1.0	7
58	The Validity of US Nutritional Surveillance: USDA's Loss-Adjusted Food Availability Data Series 1971-2010. <i>Current Problems in Cardiology</i> , 2016, 41, 268-292.	1.1	15
59	Exercise: Is More Always Better?. <i>Current Biology</i> , 2016, 26, R102-R104.	1.8	3
60	Smartloss: A Personalized Mobile Health Intervention for Weight Management and Health Promotion. <i>JMIR MHealth and UHealth</i> , 2016, 4, e18.	1.8	39
61	Efficacy of SmartLoss SM , a smartphone-based weight loss intervention: Results from a randomized controlled trial. <i>Obesity</i> , 2015, 23, 935-942.	1.5	103
62	Utility of novel body indices in predicting fat mass in elite athletes. <i>Nutrition</i> , 2015, 31, 948-954.	1.1	24
63	Predicting successful long-term weight loss from short-term weight-loss outcomes: new insights from a dynamic energy balance model (the POUNDS Lost study). <i>American Journal of Clinical Nutrition</i> , 2015, 101, 449-454.	2.2	35
64	Exceptional data in paper on "The effect of meridian massage on BM, BMI, WC and HC in simple obesity patients: a randomized controlled trial". <i>World Journal of Acupuncture-moxibustion</i> , 2015, 25, 66-67.	0.1	6
65	The gap between expectations and reality of exercise-induced weight loss is associated with discouragement. <i>Preventive Medicine</i> , 2015, 81, 357-360.	1.6	19
66	Scaling of adult regional body mass and body composition as a whole to height: Relevance to body shape and body mass index. <i>American Journal of Human Biology</i> , 2015, 27, 372-379.	0.8	24
67	Weighing the Evidence of Common Beliefs in Obesity Research. <i>Critical Reviews in Food Science and Nutrition</i> , 2015, 55, 2014-2053.	5.4	147
68	Effect of dietary adherence on the body weight plateau: a mathematical model incorporating intermittent compliance with energy intake prescription, . <i>American Journal of Clinical Nutrition</i> , 2014, 100, 787-795.	2.2	47
69	Scaling of adult body weight to height across sex and race/ethnic groups: relevance to BMI. <i>American Journal of Clinical Nutrition</i> , 2014, 100, 1455-1461.	2.2	49
70	Novel Mathematical Models for Investigating Topics in Obesity. <i>Advances in Nutrition</i> , 2014, 5, 561-562.	2.9	7
71	Energy Intake and Weight Loss. <i>JAMA - Journal of the American Medical Association</i> , 2014, 312, 2687.	3.8	3
72	Time to Correctly Predict the Amount of Weight Loss with Dieting. <i>Journal of the Academy of Nutrition and Dietetics</i> , 2014, 114, 857-861.	0.4	41

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73	Dynamic model predicting overweight, obesity, and extreme obesity prevalence trends. <i>Obesity</i> , 2014, 22, 590-597.	1.5	54
74	Order of Magnitude Misestimation of Weight Effects of Children's Meal Policy Proposals. <i>Childhood Obesity</i> , 2014, 10, 542-545.	0.8	6
75	Rapidly accurate anthropometric body shape assessment with low-cost novel 3D imaging system (391.2). <i>FASEB Journal</i> , 2014, 28, 391.2.	0.2	2
76	Myths, Presumptions, and Facts about Obesity. <i>New England Journal of Medicine</i> , 2013, 368, 446-454.	13.9	383
77	Relationships between body roundness with body fat and visceral adipose tissue emerging from a new geometrical model. <i>Obesity</i> , 2013, 21, 2264-2271.	1.5	304
78	Hybrid model predictive control for optimizing gestational weight gain behavioral interventions. , 2013, , 1970-1975.		16
79	Modeling in clinical nutrition: does it add to patient care?. <i>European Journal of Clinical Nutrition</i> , 2013, 67, 555-557.	1.3	6
80	Self-report-based estimates of energy intake offer an inadequate basis for scientific conclusions. <i>American Journal of Clinical Nutrition</i> , 2013, 97, 1413-1415.	2.2	157
81	A dynamical systems model for improving gestational weight gain behavioral interventions. , 2012, , 4059-4064.		19
82	Dynamic energy-balance model predicting gestational weight gain. <i>American Journal of Clinical Nutrition</i> , 2012, 95, 115-122.	2.2	64
83	Advances in the Science and Application of Body Composition Measurement. <i>Journal of Parenteral and Enteral Nutrition</i> , 2012, 36, 96-107.	1.3	54
84	Human brain mass: Similar body composition associations as observed across mammals. <i>American Journal of Human Biology</i> , 2012, 24, 479-485.	0.8	19
85	Energy content of weight loss: kinetic features during voluntary caloric restriction. <i>Metabolism: Clinical and Experimental</i> , 2012, 61, 937-943.	1.5	28
86	Why do individuals not lose more weight from an exercise intervention at a defined dose? An energy balance analysis. <i>Obesity Reviews</i> , 2012, 13, 835-847.	3.1	201
87	Trends over 5 Decades in U.S. Occupation-Related Physical Activity and Their Associations with Obesity. <i>PLoS ONE</i> , 2011, 6, e19657.	1.1	927
88	A simple model predicting individual weight change in humans. <i>Journal of Biological Dynamics</i> , 2011, 5, 579-599.	0.8	99
89	New fat free mass - fat mass model for use in physiological energy balance equations. <i>Nutrition and Metabolism</i> , 2010, 7, 39.	1.3	39
90	A computational model to determine energy intake during weight loss. <i>American Journal of Clinical Nutrition</i> , 2010, 92, 1326-1331.	2.2	89

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91	A mathematical model of weight change with adaptation. <i>Mathematical Biosciences and Engineering</i> , 2009, 6, 873-887.	1.0	58
92	A foetal energy balance equation based on maternal exercise and diet. <i>Journal of the Royal Society Interface</i> , 2008, 5, 449-455.	1.5	14
93	Iterations of linear maps over finite fields. <i>Linear Algebra and Its Applications</i> , 2006, 413, 218-234.	0.4	9
94	Dynamics of starvation in humans. <i>Journal of Mathematical Biology</i> , 2006, 54, 27-43.	0.8	29
95	The N-Number Ducci Game. <i>Journal of Difference Equations and Applications</i> , 2004, 10, 339-342.	0.7	8