

James DeLany

List of Publications by Year in descending order

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Version: 2024-02-01

112
papers

11,181
citations

29994

54
h-index

29081

104
g-index

114
all docs

114
docs citations

114
times ranked

14495
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of 6-Month Calorie Restriction on Biomarkers of Longevity, Metabolic Adaptation, and Oxidative Stress in Overweight Individuals. <i>JAMA - Journal of the American Medical Association</i> , 2006, 295, 1539.	3.8	823
2	Fat, fibre and cancer risk in African Americans and rural Africans. <i>Nature Communications</i> , 2015, 6, 6342.	5.8	761
3	Diet, microbiota, and microbial metabolites in colon cancer risk in rural Africans and African Americans. <i>American Journal of Clinical Nutrition</i> , 2013, 98, 111-120.	2.2	544
4	Increased Levels of Plasma Acylcarnitines in Obesity and Type 2 Diabetes and Identification of a Marker of Glucolipotoxicity. <i>Obesity</i> , 2010, 18, 1695-1700.	1.5	510
5	Differential oxidation of individual dietary fatty acids in humans. <i>American Journal of Clinical Nutrition</i> , 2000, 72, 905-911.	2.2	473
6	Effects of Diet and Physical Activity Interventions on Weight Loss and Cardiometabolic Risk Factors in Severely Obese Adults. <i>JAMA - Journal of the American Medical Association</i> , 2010, 304, 1795.	3.8	447
7	Lipotoxicity Causes Multisystem Organ Failure and Exacerbates Acute Pancreatitis in Obesity. <i>Science Translational Medicine</i> , 2011, 3, 107ra110.	5.8	328
8	Three-Year Outcomes of Bariatric Surgery vs Lifestyle Intervention for Type 2 Diabetes Mellitus Treatment. <i>JAMA Surgery</i> , 2015, 150, 931.	2.2	306
9	<i>Helicobacter pylori</i> Infection in the Colombian Andes: A Population-based Study of Transmission Pathways. <i>American Journal of Epidemiology</i> , 1996, 144, 290-299.	1.6	284
10	Long-term effects of 2 energy-restricted diets differing in glycemic load on dietary adherence, body composition, and metabolism in CALERIE: a 1-y randomized controlled trial. <i>American Journal of Clinical Nutrition</i> , 2007, 85, 1023-1030.	2.2	276
11	Metabolic and Behavioral Compensations in Response to Caloric Restriction: Implications for the Maintenance of Weight Loss. <i>PLoS ONE</i> , 2009, 4, e4377.	1.1	275
12	Effects of Physical Activity and Weight Loss on Skeletal Muscle Mitochondria and Relationship With Glucose Control in Type 2 Diabetes. <i>Diabetes</i> , 2007, 56, 2142-2147.	0.3	263
13	Estimating the changes in energy flux that characterize the rise in obesity prevalence. <i>American Journal of Clinical Nutrition</i> , 2009, 89, 1723-1728.	2.2	244
14	Effects of Diets Enriched in Saturated (Palmitic), Monounsaturated (Oleic), or trans (Elaidic) Fatty Acids on Insulin Sensitivity and Substrate Oxidation in Healthy Adults. <i>Diabetes Care</i> , 2002, 25, 1283-1288.	4.3	226
15	Effect of Calorie Restriction on Resting Metabolic Rate and Spontaneous Physical Activity. <i>Obesity</i> , 2007, 15, 2964-2973.	1.5	190
16	Secretome of Primary Cultures of Human Adipose-derived Stem Cells. <i>Molecular and Cellular Proteomics</i> , 2007, 6, 18-28.	2.5	189
17	Assessment of Energy Intake Underreporting by Doubly Labeled Water and Observations on Reported Nutrient Intakes in Children. <i>Journal of the American Dietetic Association</i> , 1998, 98, 426-433.	1.3	167
18	Conjugated Linoleic Acid Persistently Increases Total Energy Expenditure in AKR/J Mice without Increasing Uncoupling Protein Gene Expression. <i>Journal of Nutrition</i> , 2000, 130, 2471-2477.	1.3	162

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19	Energy requirements of military personnel. <i>Appetite</i> , 2005, 44, 47-65.	1.8	162
20	Human Proteinpedia enables sharing of human protein data. <i>Nature Biotechnology</i> , 2008, 26, 164-167.	9.4	155
21	The Association of Body Weight, Dietary Intake, and Energy Expenditure with Dietary Restraint and Disinhibition. <i>Obesity</i> , 1995, 3, 153-161.	4.0	152
22	The Influence of Different Fats and Fatty Acids on Obesity, Insulin Resistance and Inflammation. <i>Journal of Nutrition</i> , 2002, 132, 2488-2491.	1.3	147
23	Proteomic Analysis of Primary Cultures of Human Adipose-derived Stem Cells. <i>Molecular and Cellular Proteomics</i> , 2005, 4, 731-740.	2.5	130
24	Evaluation of body fat in fatter and leaner 10-y-old African American and white children: the Baton Rouge Children's Study. <i>American Journal of Clinical Nutrition</i> , 2001, 73, 687-702.	2.2	127
25	Field use of D2 18O to measure energy expenditure of soldiers at different energy intakes. <i>Journal of Applied Physiology</i> , 1989, 67, 1922-1929.	1.2	126
26	Comparison of Methods to Assess Body Composition Changes during a Period of Weight Loss. <i>Obesity</i> , 2005, 13, 845-854.	4.0	124
27	Association Between Low Colonic Short-Chain Fatty Acids and High Bile Acids in High Colon Cancer Risk Populations. <i>Nutrition and Cancer</i> , 2012, 64, 34-40.	0.9	118
28	Peripancreatic fat necrosis worsens acute pancreatitis independent of pancreatic necrosis via unsaturated fatty acids increased in human pancreatic necrosis collections. <i>Gut</i> , 2016, 65, 100-111.	6.1	116
29	Prediction of body fat in 12-y-old African American and white children: evaluation of methods,,. <i>American Journal of Clinical Nutrition</i> , 2002, 76, 980-990.	2.2	101
30	Relationship between resting metabolic rate and the composition of the fat-free mass. <i>Metabolism: Clinical and Experimental</i> , 1997, 46, 1225-1230.	1.5	100
31	Relationship of dietary fat and serum cholesterol ester and phospholipid fatty acids to markers of insulin resistance in men and women with a range of glucose tolerance. <i>Metabolism: Clinical and Experimental</i> , 2001, 50, 86-92.	1.5	97
32	Lipolysis of Visceral Adipocyte Triglyceride by Pancreatic Lipases Converts Mild Acute Pancreatitis to Severe Pancreatitis Independent of Necrosis and Inflammation. <i>American Journal of Pathology</i> , 2015, 185, 808-819.	1.9	97
33	Changes in Body Composition with Conjugated Linoleic Acid. <i>Journal of the American College of Nutrition</i> , 2000, 19, 487S-493S.	1.1	95
34	Triheptanoin versus trioctanoin for long-chain fatty acid oxidation disorders: a double blinded, randomized controlled trial. <i>Journal of Inherited Metabolic Disease</i> , 2017, 40, 831-843.	1.7	89
35	New method for GC/FID and GC-C-IRMS analysis of plasma free fatty acid concentration and isotopic enrichment. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008, 873, 95-101.	1.2	88
36	Approaches for quantifying energy intake and %calorie restriction during calorie restriction interventions in humans: the multicenter CALERIE study. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012, 302, E441-E448.	1.8	88

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37	Reduced skeletal muscle oxidative capacity and elevated ceramide but not diacylglycerol content in severe obesity. <i>Obesity</i> , 2013, 21, 2362-2371.	1.5	87
38	Fibrosis Reduces Severity of Acute-on-Chronic Pancreatitis in Humans. <i>Gastroenterology</i> , 2013, 145, 466-475.	0.6	84
39	Validation study of energy expenditure and intake during calorie restriction using doubly labeled water and changes in body composition. <i>American Journal of Clinical Nutrition</i> , 2007, 85, 73-79.	2.2	83
40	Nutritional Factors and <i>Helicobacter pylori</i> Infection in Colombian Children. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 1997, 25, 507-515.	0.9	80
41	Negative energy balance in male and female rangers: effects of 7 d of sustained exercise and food deprivation. <i>American Journal of Clinical Nutrition</i> , 2006, 83, 1068-1075.	2.2	77
42	Long-Term Calorie Restriction Reduces Energy Expenditure in Aging Monkeys. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 1999, 54, B5-B11.	1.7	75
43	Comparison of the acute response to meals enriched with cis- or trans-fatty acids on glucose and lipids in overweight individuals with differing FABP2 genotypes. <i>Metabolism: Clinical and Experimental</i> , 2005, 54, 1652-1658.	1.5	74
44	Energy balance and fitness in adult survivors of childhood acute lymphoblastic leukemia. <i>Blood</i> , 2015, 125, 3411-3419.	0.6	71
45	Comparison of Bone Density Measurement Techniques: DXA and Archimedes' Principle. <i>Journal of Bone and Mineral Research</i> , 1997, 12, 1903-1907.	3.1	69
46	Energy expenditure in preadolescent African American and white boys and girls: the Baton Rouge Children's Study. <i>American Journal of Clinical Nutrition</i> , 2002, 75, 705-713.	2.2	67
47	Energy Intake and Energy Expenditure. <i>Journal of the American Dietetic Association</i> , 2002, 102, 1428-1432.	1.3	66
48	Effect of calorie restriction on the free-living physical activity levels of nonobese humans: results of three randomized trials. <i>Journal of Applied Physiology</i> , 2011, 110, 956-963.	1.2	63
49	Reported Energy Intake Accuracy Compared to Doubly Labeled Water and Usability of the Mobile Food Record among Community Dwelling Adults. <i>Nutrients</i> , 2017, 9, 312.	1.7	62
50	Skeletal Muscle Triacylglycerol Hydrolysis Does Not Influence Metabolic Complications of Obesity. <i>Diabetes</i> , 2013, 62, 3350-3361.	0.3	60
51	Fat-Free Mass and Skeletal Muscle Mass Five Years After Bariatric Surgery. <i>Obesity</i> , 2018, 26, 1130-1136.	1.5	60
52	Validity of self-reported energy intake in lean and obese young women, using two nutrient databases, compared with total energy expenditure assessed by doubly labeled water. <i>European Journal of Clinical Nutrition</i> , 2001, 55, 940-950.	1.3	59
53	Prediction equations for resting energy expenditure in overweight and normal-weight black and white children. <i>American Journal of Clinical Nutrition</i> , 2004, 80, 365-373.	2.2	59
54	Corrective responses in human food intake identified from an analysis of 7-d food-intake records. <i>American Journal of Clinical Nutrition</i> , 2008, 88, 1504-1510.	2.2	55

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55	Physical activity in aging: Comparison among young, aged, and nonagenarian individuals. <i>Journal of Applied Physiology</i> , 2008, 105, 495-501.	1.2	55
56	Energy expenditure in African American and white boys and girls in a 2-y follow-up of the Baton Rouge Children's Study. <i>American Journal of Clinical Nutrition</i> , 2004, 79, 268-273.	2.2	54
57	High energy expenditure masks low physical activity in obesity. <i>International Journal of Obesity</i> , 2013, 37, 1006-1011.	1.6	54
58	A prospective cohort analysis of gut microbial co-metabolism in Alaska Native and rural African people at high and low risk of colorectal cancer. <i>American Journal of Clinical Nutrition</i> , 2020, 111, 406-419.	2.2	52
59	Physical Activity Level and Physical Functionality in Nonagenarians Compared to Individuals Aged 60-74 Years. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2007, 62, 783-788.	1.7	51
60	Effect of physical activity on weight loss, energy expenditure, and energy intake during diet induced weight loss. <i>Obesity</i> , 2014, 22, 363-370.	1.5	51
61	Underreporting of Energy Intake in Biracial Children is Verified by Doubly Labeled Water. <i>Journal of the American Dietetic Association</i> , 1996, 96, 707-709.	1.3	50
62	Racial Differences In Peripheral Insulin Sensitivity and Mitochondrial Capacity in the Absence of Obesity. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014, 99, 4307-4314.	1.8	50
63	Acute Lipotoxicity Regulates Severity of Biliary Acute Pancreatitis without Affecting Its Initiation. <i>American Journal of Pathology</i> , 2014, 184, 1773-1784.	1.9	50
64	Role of energy expenditure in the development of pediatric obesity. <i>American Journal of Clinical Nutrition</i> , 1998, 68, 950S-955S.	2.2	48
65	Serum and urinary markers of skeletal muscle tissue damage after weight lifting exercise. <i>European Journal of Applied Physiology and Occupational Physiology</i> , 1989, 58, 786-790.	1.2	46
66	Effects of a 3-Month Endurance Event on Physical Performance and Body Composition: The G2 Trans-Greenland Expedition. <i>Wilderness and Environmental Medicine</i> , 2003, 14, 240-248.	0.4	44
67	A Paradigm of Experimentally Induced Mild Hyperthyroidism: Effects on Nitrogen Balance, Body Composition, and Energy Expenditure in Healthy Young Men. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1997, 82, 765-770.	1.8	43
68	Energy Expenditure in Men and Women during 54 h of Exercise and Caloric Deprivation. <i>Medicine and Science in Sports and Exercise</i> , 2006, 38, 894-900.	0.2	42
69	Energy expenditure and substrate oxidation predict changes in body fat in children. <i>American Journal of Clinical Nutrition</i> , 2006, 84, 862-870.	2.2	39
70	Longitudinal evaluation of cancer-associated biomarkers before and after weight loss in RENEW study participants: Implications for cancer risk reduction. <i>Gynecologic Oncology</i> , 2012, 125, 114-119.	0.6	38
71	African American women exhibit similar adherence to intervention but lose less weight due to lower energy requirements. <i>International Journal of Obesity</i> , 2014, 38, 1147-1152.	1.6	37
72	Serum autotaxin is independently associated with hepatic steatosis in women with severe obesity. <i>Obesity</i> , 2015, 23, 965-972.	1.5	33

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73	Low or Moderate Dietary Energy Restriction for Long-term Weight Loss: What Works Best?. Obesity, 2009, 17, 2019-2024.	1.5	32
74	Relative fat oxidation is higher in children than adults. Nutrition Journal, 2007, 6, 19.	1.5	30
75	Effects of an intensive behavioral weight loss intervention consisting of caloric restriction with or without physical activity on common carotid artery remodeling in severely obese adults. Metabolism: Clinical and Experimental, 2012, 61, 1589-1597.	1.5	30
76	Stratification of Risk of Death in Severe Acute Alcoholic Hepatitis Using a Panel of Adipokines and Cytokines. Alcoholism: Clinical and Experimental Research, 2014, 38, 2712-2721.	1.4	28
77	Differential Impact of Weight Loss on Nonalcoholic Fatty Liver Resolution in a North American Cohort with Obesity. Obesity, 2017, 25, 1360-1368.	1.5	27
78	Effects of fish oil on serum lipids in men during a controlled feeding trial. American Journal of Clinical Nutrition, 1990, 52, 477-485.	2.2	26
79	Body Composition of African American and White Children: A 2-Year Follow-Up of the BAROC Study. Obesity, 2001, 9, 605-621.	4.0	26
80	Gene expression microarray analysis of the effects of grape anthocyanins in mice: a test of a hypothesis-generating paradigm. Metabolism: Clinical and Experimental, 2008, 57, S52-S57.	1.5	22
81	Adequacy of Garrison Feeding for Special Forces Soldiers during Training. Military Medicine, 2004, 169, 483-490.	0.4	21
82	Energy expenditure and intake during Special Operations Forces field training in a jungle and glacial environment. Applied Physiology, Nutrition and Metabolism, 2018, 43, 381-386.	0.9	21
83	Resting Energy Expenditure and Organ-Tissue Body Composition 5 Years After Bariatric Surgery. Obesity Surgery, 2020, 30, 587-594.	1.1	21
84	Use of cereal fiber to facilitate adherence to a human caloric restriction program. Aging Clinical and Experimental Research, 2008, 20, 513-520.	1.4	19
85	Effects of Oral Sodium Nitrite on Blood Pressure, Insulin Sensitivity, and Intima-Media Arterial Thickening in Adults With Hypertension and Metabolic Syndrome. Hypertension, 2020, 76, 866-874.	1.3	19
86	Weight Loss and Exercise Differentially Affect Insulin Sensitivity, Body Composition, Cardiorespiratory Fitness, and Muscle Strength in Older Adults With Obesity: A Randomized Controlled Trial. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2022, 77, 1088-1097.	1.7	18
87	Total Energy Expenditure Estimated Using Foot-Ground Contact Pedometry. Diabetes Technology and Therapeutics, 2004, 6, 71-81.	2.4	16
88	The ZJU index is a powerful surrogate marker for NAFLD in severely obese North American women. PLoS ONE, 2019, 14, e0224942.	1.1	16
89	Decreased Mitochondrial Dynamics Is Associated with Insulin Resistance, Metabolic Rate, and Fitness in African Americans. Journal of Clinical Endocrinology and Metabolism, 2020, 105, 1210-1220.	1.8	15
90	ENERGY EXPENDITURE. Endocrinology and Metabolism Clinics of North America, 1996, 25, 831-846.	1.2	14

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91	Mitochondrial Respiration is Associated with Lower Energy Expenditure and Lower Aerobic Capacity in African American Women. <i>Obesity</i> , 2018, 26, 903-909.	1.5	14
92	Dietary Protein Intake and Lean Muscle Mass in Survivors of Childhood Acute Lymphoblastic Leukemia: Report From the St. Jude Lifetime Cohort Study. <i>Physical Therapy</i> , 2016, 96, 1029-1038.	1.1	12
93	The effects of hydroxychloroquine on insulin sensitivity, insulin clearance and inflammation in insulin-resistant adults: A randomized trial. <i>Diabetes, Obesity and Metabolism</i> , 2021, 23, 1252-1261.	2.2	12
94	Eradication of <i>Helicobacter pylori</i> Infection With Proton Pump-Based Triple Therapy in Patients in Whom Bismuth-Based Triple Therapy Failed. <i>Journal of Clinical Gastroenterology</i> , 1999, 29, 51-55.	1.1	11
95	Effect of moderate to very low fat defined formula diets on serum lipids in healthy subjects. <i>Lipids</i> , 1985, 20, 808-816.	0.7	9
96	Measurement of energy expenditure. <i>Pediatric Blood and Cancer</i> , 2012, 58, 129-134.	0.8	9
97	Resting and exercise energy metabolism in weight-reduced adults with severe obesity. <i>Obesity</i> , 2016, 24, 1290-1298.	1.5	8
98	Evaluating the contribution of differences in lean mass compartments for resting energy expenditure in African American and Caucasian American children. <i>Pediatric Obesity</i> , 2018, 13, 413-420.	1.4	8
99	Impact of Hepatic Steatosis on Resting Metabolic Rate and Metabolic Adaptation in Response to Intentional Weight Loss. <i>Hepatology Communications</i> , 2019, 3, 1347-1355.	2.0	6
100	The Effect of an Herbal Dietary Supplement Containing Ephedrine and Caffeine on Oxygen Consumption in Humans. <i>Journal of Alternative and Complementary Medicine</i> , 2000, 6, 553-555.	2.1	5
101	Energy Requirement Methodology. , 2013, , 81-95.		4
102	Supplementation frequency and ascorbic acid status in adult males. <i>American Journal of Clinical Nutrition</i> , 1983, 37, 532-539.	2.2	3
103	Reply to DJ Millward. <i>American Journal of Clinical Nutrition</i> , 2010, 91, 1802-1804.	2.2	3
104	Energy Requirement Methodology. , 2017, , 85-102.		3
105	Energy Expenditure and Water Turnover Assessed by Doubly Labeled Water during Manual Work in a Dry and Warm Environment. <i>Journal of the Human-Environment System</i> , 2004, 7, 11-17.	0.2	2
106	TOTAL ENERGY EXPENDITURE DURING STRENUOUS U.S. MARINE CORPS RECRUIT TRAINING. <i>Medicine and Science in Sports and Exercise</i> , 2003, 35, S182.	0.2	1
107	Effect of physical activity in a weight loss program on circulating total ANGPTL8 concentrations in northern Americans with obesity: A prospective randomized controlled trial. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2022, 32, 1725-1733.	1.1	1
108	Reply to L Bowman and AB Loucks. <i>American Journal of Clinical Nutrition</i> , 2007, 86, 1252-1253.	2.2	0

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109	Non-invasive Assessment of Liver Fat in ob/ob Mice Using Ultrasound-Induced Thermal Strain Imaging and Its Correlation with Hepatic Triglyceride Content. <i>Ultrasound in Medicine and Biology</i> , 2021, 47, 1067-1076.	0.7	0
110	Activation of malonyl-CoA/fatty acid synthase axis is an early event in the effects of insulin in human skeletal muscle myotubes: Implication for obesity linked insulin resistance. <i>FASEB Journal</i> , 2012, 26, 869.15.	0.2	0
111	Higher energy expenditure but lower physical activity levels with increasing obesity. <i>FASEB Journal</i> , 2012, 26, 1012.4.	0.2	0
112	Validity of dual-energy x-ray absorptiometry for estimation of visceral adipose tissue and visceral adipose tissue change after surgery-induced weight loss in women with severe obesity. <i>Obesity</i> , 2022, , .	1.5	0