Nancy F Butte

List of Publications by Year in Descending Order

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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.

145 papers	7,609 citations	47 h-index	84 g-index
163 ext. papers	8,827 ext. citations	5.7 avg, IF	5.89 L-index

#	Paper	IF	Citations
145	Total energy expenditure is repeatable in adults but not associated with short-term changes in body composition.. *Nature Communications*, **2022**, 13, 99	17.4	0
144	1.3.2 Energy Requirements of Infants, Children, and Adolescents.. *World Review of Nutrition and Dietetics*, **2022**, 124, 47-54	0.2	
143	Ancestral diversity improves discovery and fine-mapping of genetic loci for anthropometric traits-The Hispanic/Latino Anthropometry Consortium.. *Human Genetics and Genomics Advances*, **2022**, 3, 100099	0.8	0
142	Style of meal service and feeding practices among Mexican American fathers and mothers: An analysis of video-recorded children's evening mealtime at home. *Appetite*, **2021**, 169, 105851	4.5	
141	The relationship of sleep duration and quality to energy expenditure and physical activity in children. *Pediatric Obesity*, **2021**, 16, e12751	4.6	0
140	Cross-Sectional Relationship between Regular Bedtime and Weight Status and Obesity-Related Behaviors among Preschool and Elementary School Children: TX CORD Study. *Childhood Obesity*, **2021**, 17, 26-35	2.5	1
139	Genetic variants and physical activity interact to affect bone density in Hispanic children. *BMC Pediatrics*, **2021**, 21, 79	2.6	1
138	A standard calculation methodology for human doubly labeled water studies. *Cell Reports Medicine*, **2021**, 2, 100203	18	21
137	Energy compensation and adiposity in humans. *Current Biology*, **2021**, 31, 4659-4666.e2	6.3	7
136	Daily energy expenditure through the human life course. *Science*, **2021**, 373, 808-812	33.3	43
135	Physical activity and fat-free mass during growth and in later life. *American Journal of Clinical Nutrition*, **2021**, 114, 1583-1589	7	3
134	Estimated Energy Requirements of Infants and Young Children up to 24 Months of Age. *Current Developments in Nutrition*, **2021**, 5, nzab122	0.4	1
133	Evaluation of BMI Metrics to Assess Change in Adiposity in Children with Overweight and Moderate and Severe Obesity. *Obesity*, **2020**, 28, 1512-1518	8	5
132	Who benefits from the intervention? Correlates of successful BMI reduction in the Texas Childhood Obesity Demonstration Project (TX-CORD). *Pediatric Obesity*, **2020**, 15, e12609	4.6	4
131	Genetic variants affecting bone mineral density and bone mineral content at multiple skeletal sites in Hispanic children. *Bone*, **2020**, 132, 115175	4.7	8
130	Serum Urate, PUFAs and Abdominal Obesity in Hispanic Children: The Viva La Familia Study. *Current Developments in Nutrition*, **2020**, 4, 1268-1268	0.4	78
129	New generation lipid emulsions increase brain DHA and improve body composition, but not short-term neurodevelopment in parenterally-fed preterm piglets. *Brain, Behavior, and Immunity*, **2020**, 85, 46-56	16.6	6

128	0800 Sleep Longer, Be Active, And Eat Healthily: 24-hour Circadian-related Behaviors Are Protective Of Children Weight Status. *Sleep*, **2019**, 42, A321-A321	1.1	
127	Do Women Know Their Prepregnancy Weight?. *Obesity*, **2019**, 27, 1161-1167	8	5
126	Timing of introduction of complementary foods and beverages and growth, size, and body composition: a systematic review. *American Journal of Clinical Nutrition*, **2019**, 109, 935S-955S	7	23
125	Types and amounts of complementary foods and beverages consumed and growth, size, and body composition: a systematic review. *American Journal of Clinical Nutrition*, **2019**, 109, 956S-977S	7	19
124	Complementary feeding and food allergy, atopic dermatitis/eczema, asthma, and allergic rhinitis: a systematic review. *American Journal of Clinical Nutrition*, **2019**, 109, 890S-934S	7	26
123	Complementary feeding and micronutrient status: a systematic review. *American Journal of Clinical Nutrition*, **2019**, 109, 852S-871S	7	30
122	Complementary feeding and developmental milestones: a systematic review. *American Journal of Clinical Nutrition*, **2019**, 109, 879S-889S	7	12
121	Using Process Evaluation for Implementation Success of Preschool-Based Programs for Obesity Prevention: The TX Childhood Obesity Research Demonstration Study. *Journal of School Health*, **2019**, 89, 382-392	2.1	5
120	Genomewide association study of C-peptide surfaces key regulatory genes in Indians. *Journal of Genetics*, **2019**, 98, 1	1.2	5
119	Behavior Modification of Diet and Parent Feeding Practices in a Community- Vs Primary Care-Centered Intervention for Childhood Obesity. *Journal of Nutrition Education and Behavior*, **2019**, 51, 150-161.e1	2	10
118	A trans-ancestral meta-analysis of genome-wide association studies reveals loci associated with childhood obesity. *Human Molecular Genetics*, **2019**, 28, 3327-3338	5.6	30
117	Identification of Genetic Loci Associated with Plasma Long-chain Polyunsaturated Fatty Acids in Hispanic Children (P08-129-19). *Current Developments in Nutrition*, **2019**, 3,	0.4	78
116	Impact of the Coordinated Approach to Child Health Early Childhood Program for Obesity Prevention among Preschool Children: The Texas Childhood Obesity Research Demonstration Study. *Childhood Obesity*, **2019**, 15, 1-13	2.5	15
115	Calibration of activity-related energy expenditure in the Hispanic Community Health Study/Study of Latinos (HCHS/SOL). *Journal of Science and Medicine in Sport*, **2019**, 22, 300-306	4.4	4
114	Complementary feeding and bone health: a systematic review. *American Journal of Clinical Nutrition* , **2019**, 109, 872S-878S	7	7
113	Sleep duration in Mexican American children: Do mothers' and fathers' parenting and family practices play a role?. *Journal of Sleep Research*, **2019**, 28, e12784	5.8	6
112	A Youth Compendium of Physical Activities: Activity Codes and Metabolic Intensities. *Medicine and Science in Sports and Exercise*, **2018**, 50, 246-256	1.2	131
111	Utility of the Youth Compendium of Physical Activities. *Research Quarterly for Exercise and Sport*, **2018**, 89, 273-281	1.9	4

110	Energy Cost Expression for a Youth Compendium of Physical Activities: Rationale for Using Age Groups. *Pediatric Exercise Science*, **2018**, 30, 142-149	2	5
109	Development and use of an index for measuring implementation of a weight management program in children in primary care clinics in Texas. *BMC Family Practice*, **2018**, 19, 191	2.6	2
108	Improvement in Primary Care Provider Self-Efficacy and Use of Patient-Centered Counseling To Address Child Overweight and Obesity after Practice-Based Changes: Texas Childhood Obesity Research Demonstration Study. *Childhood Obesity*, **2018**, 14, 518-527	2.5	3
107	Impact of changes in maternal body composition on birth weight and neonatal fat mass in dichorionic twin pregnancies. *American Journal of Clinical Nutrition*, **2018**, 108, 716-721	7	5
106	Estimated energy requirements increase across pregnancy in healthy women with dichorionic twins. *American Journal of Clinical Nutrition*, **2018**, 108, 775-783	7	3
105	BMI z-Scores are a poor indicator of adiposity among 2- to 19-year-olds with very high BMIs, NHANES 1999-2000 to 2013-2014. *Obesity*, **2017**, 25, 739-746	8	137
104	The Limitations of Transforming Very High Body Mass Indexes into z-Scores among 8.7 Million 2- to 4-Year-Old Children. *Journal of Pediatrics*, **2017**, 188, 50-56.e1	3.6	42
103	Exome sequencing reveals novel genetic loci influencing obesity-related traits in Hispanic children. *Obesity*, **2017**, 25, 1270-1276	8	9
102	Short Sleep Duration Is Associated With Eating More Carbohydrates and Less Dietary Fat in Mexican American Children. *Sleep*, **2017**, 40,	1.1	26
101	Fathers' feeding practices and children's weight status in Mexican American families. *Appetite*, **2017** , 117, 109-116	4.5	28
100	Best Practices and Barriers to Obesity Prevention in Head Start: Differences Between Director and Teacher Perceptions. *Preventing Chronic Disease*, **2017**, 14, E139	3.7	8
99	Strategies to Recruit a Diverse Low-Income Population to Child Weight Management Programs From Primary Care Practices. *Preventing Chronic Disease*, **2017**, 14, E138	3.7	10
98	Efficacy of a Community- Versus Primary Care-Centered Program for Childhood Obesity: TX CORD RCT. *Obesity*, **2017**, 25, 1584-1593	8	24
97	Validity of the Remote Food Photography Method Against Doubly Labeled Water Among Minority Preschoolers. *Obesity*, **2017**, 25, 1633-1638	8	21
96	Asprosin is a centrally acting orexigenic hormone. *Nature Medicine*, **2017**, 23, 1444-1453	50.5	130
95	Longitudinal changes in BMI z-scores among 45 414 2-4-year olds with severe obesity. *Annals of Human Biology*, **2017**, 44, 687-692	1.7	14
94	The impact of intrauterine and extrauterine weight gain in premature infants on later body composition. *Pediatric Research*, **2017**, 82, 658-664	3.2	5
93	Genetic variation underlying renal uric acid excretion in Hispanic children: the Viva La Familia Study. *BMC Medical Genetics*, **2017**, 18, 6	2.1	7

92	Functional data analysis of sleeping energy expenditure. *PLoS ONE*, **2017**, 12, e0177286	3.7	4
91	Places where preschoolers are (in)active: an observational study on Latino preschoolers and their parents using objective measures. *International Journal of Behavioral Nutrition and Physical Activity*, **2016**, 13, 29	8.4	33
90	Role of physical activity and sleep duration in growth and body composition of preschool-aged children. *Obesity*, **2016**, 24, 1328-35	8	38
89	Asprosin, a Fasting-Induced Glucogenic Protein Hormone. *Cell*, **2016**, 165, 566-79	56.2	187
88	Preferred Child Body Size and Parental Underestimation of Child Weight in Mexican-American Families. *Maternal and Child Health Journal*, **2016**, 20, 1842-8	2.4	14
87	Global metabolomic profiling targeting childhood obesity in the Hispanic population. *American Journal of Clinical Nutrition*, **2015**, 102, 256-67	7	112
86	Human Obesity Associated with an Intronic SNP in the Brain-Derived Neurotrophic Factor Locus. *Cell Reports*, **2015**, 13, 1073-1080	10.6	37
85	Parental feeding practices and child weight status in Mexican American families: a longitudinal analysis. *International Journal of Behavioral Nutrition and Physical Activity*, **2015**, 12, 66	8.4	68
84	Exploring Metrics to Express Energy Expenditure of Physical Activity in Youth. *PLoS ONE*, **2015**, 10, e0138869	3.7	32
83	The utility of Geographical Information Systems (GIS) in systems-oriented obesity intervention projects: the selection of comparable study sites for a quasi-experimental intervention design--TX CORD. *Childhood Obesity*, **2015**, 11, 58-70	2.5	18
82	Energetic adaptations persist after bariatric surgery in severely obese adolescents. *Obesity*, **2015**, 23, 591-601	8	37
81	Incorporating primary and secondary prevention approaches to address childhood obesity prevention and treatment in a low-income, ethnically diverse population: study design and demographic data from the Texas Childhood Obesity Research Demonstration (TX CORD) study. *Childhood Obesity*, **2015**, 11, 71-91	2.5	51
80	Serum uric acid concentrations and SLC2A9 genetic variation in Hispanic children: the Viva La Familia Study. *American Journal of Clinical Nutrition*, **2015**, 101, 725-32	7	32
79	Longitudinal effects of parental, child and neighborhood factors on moderate-vigorous physical activity and sedentary time in Latino children. *International Journal of Behavioral Nutrition and Physical Activity*, **2014**, 11, 108	8.4	32
78	Mother-reported sleep, accelerometer-estimated sleep and weight status in Mexican American children: sleep duration is associated with increased adiposity and risk for overweight/obese status. *Journal of Sleep Research*, **2014**, 23, 326-34	5.8	28
77	Revision of Dietary Reference Intakes for energy in preschool-age children. *American Journal of Clinical Nutrition*, **2014**, 100, 161-7	7	15
76	Prediction of energy expenditure and physical activity in preschoolers. *Medicine and Science in Sports and Exercise*, **2014**, 46, 1216-26	1.2	123
75	Is it time for bed? Short sleep duration increases risk of obesity in Mexican American children. *Sleep Medicine*, **2014**, 15, 1484-9	4.6	31

74	Association of beverage consumption with obesity in Mexican American children. *Public Health Nutrition*, **2014**, 17, 338-44	3.3	32
73	Prediction of pre-pregnancy weight from first trimester visit (1031.2). *FASEB Journal*, **2014**, 28, 1031.2	0.9	
72	Dynamics of childhood growth and obesity: development and validation of a quantitative mathematical model. *Lancet Diabetes and Endocrinology,the*, **2013**, 1, 97-105	18.1	92
71	Parental feeding practices in Mexican American families: initial test of an expanded measure. *International Journal of Behavioral Nutrition and Physical Activity*, **2013**, 10, 6	8.4	65
70	Cross-sectional time series and multivariate adaptive regression splines models using accelerometry and heart rate predict energy expenditure of preschoolers. *Journal of Nutrition*, **2013**, 143, 114-22	4.1	13
69	Support vector machines classifiers of physical activities in preschoolers. *Physiological Reports*, **2013**, 1, e00006	2.6	12
68	Modeling energy expenditure in children and adolescents using quantile regression. *Journal of Applied Physiology*, **2013**, 115, 251-9	3.7	2
67	Feasibility study to objectively assess activity and location of Hispanic preschoolers: a short communication. *Geospatial Health*, **2013**, 7, 375-80	2.2	15
66	Body mass index distribution affects discrepancies in weight classifications in children. *Pediatrics International*, **2012**, 54, 256-65	1.2	2
65	Genome-wide association replicates the association of Duffy antigen receptor for chemokines (DARC) polymorphisms with serum monocyte chemoattractant protein-1 (MCP-1) levels in Hispanic children. *Cytokine*, **2012**, 60, 634-8	4	17
64	Assessing physical activity using wearable monitors: measures of physical activity. *Medicine and Science in Sports and Exercise*, **2012**, 44, S5-12	1.2	219
63	The association of cysteine with obesity, inflammatory cytokines and insulin resistance in Hispanic children and adolescents. *PLoS ONE*, **2012**, 7, e44166	3.7	51
62	Novel genetic loci identified for the pathophysiology of childhood obesity in the Hispanic population. *PLoS ONE*, **2012**, 7, e51954	3.7	252
61	Underserved minority children are not meeting the moderate-to-vigorous physical activity (MVPA) recommendation. *FASEB Journal*, **2012**, 26, 816.4	0.9	
60	Resequencing of IRS2 reveals rare variants for obesity but not fasting glucose homeostasis in Hispanic children. *Physiological Genomics*, **2011**, 43, 1029-37	3.6	3
59	A mammalian monothiol glutaredoxin, Grx3, is critical for cell cycle progression during embryogenesis. *FEBS Journal*, **2011**, 278, 2525-2539	5.7	46
58	Demographic and socioeconomic correlates of body fat assessed using DXA in US children and adolescents. *FASEB Journal*, **2011**, 25, 974.14	0.9	1
57	Promoting moderate-vigorous physical activity in overweight minority girls. *International Journal of Pediatrics (United Kingdom)*, **2010**, 2010,	2.1	6

56	Validation of cross-sectional time series and multivariate adaptive regression splines models for the prediction of energy expenditure in children and adolescents using doubly labeled water. *Journal of Nutrition*, **2010**, 140, 1516-23	4.1	43
55	Multivariate adaptive regression splines models for the prediction of energy expenditure in children and adolescents. *Journal of Applied Physiology*, **2010**, 108, 128-36	3.7	38
54	Evidence that multiple genetic variants of MC4R play a functional role in the regulation of energy expenditure and appetite in Hispanic children. *American Journal of Clinical Nutrition*, **2010**, 91, 191-9	7	58
53	Feeding Infants and Toddlers Study 2008: progress, continuing concerns, and implications. *Journal of the American Dietetic Association*, **2010**, 110, S60-7		41
52	Nutrient intakes of US infants, toddlers, and preschoolers meet or exceed dietary reference intakes. *Journal of the American Dietetic Association*, **2010**, 110, S27-37		209
51	Determining BMI cut points based on excess percent body fat in US children and adolescents. *FASEB Journal*, **2010**, 24, 221.8	0.9	
50	Estimating the changes in energy flux that characterize the rise in obesity prevalence. *American Journal of Clinical Nutrition*, **2009**, 89, 1723-8	7	204
49	Impact of infant feeding practices on childhood obesity. *Journal of Nutrition*, **2009**, 139, 412S-6S	4.1	50
48	Nutrient adequacy and diet quality in non-overweight and overweight Hispanic children of low socioeconomic status: the Viva la Familia Study. *Journal of the American Dietetic Association*, **2009**, 109, 1012-21		49
47	A genetic contribution to circulating cytokines and obesity in children. *Cytokine*, **2008**, 44, 242-7	4	17
46	Application of cross-sectional time series modeling for the prediction of energy expenditure from heart rate and accelerometry. *Journal of Applied Physiology*, **2008**, 104, 1665-73	3.7	49
45	Overestimation of infant and toddler energy intake by 24-h recall compared with weighed food records. *American Journal of Clinical Nutrition*, **2008**, 88, 407-15	7	69
44	Body size, body composition, and metabolic profile explain higher energy expenditure in overweight children. *Journal of Nutrition*, **2007**, 137, 2660-7	4.1	26
43	Heritability of hyperphagic eating behavior and appetite-related hormones among Hispanic children. *Obesity*, **2007**, 15, 1484-95	8	115
42	Energy imbalance underlying the development of childhood obesity. *Obesity*, **2007**, 15, 3056-66	8	79
41	Bivariate linkage confirms genetic contribution to fetal origins of childhood growth and cardiovascular disease risk in Hispanic children. *Human Genetics*, **2007**, 121, 737-44	6.3	16
40	Risk for nonalcoholic fatty liver disease in Hispanic youth with BMI > or =95th percentile. *Journal of Pediatric Gastroenterology and Nutrition*, **2007**, 44, 228-36	2.8	86
39	Genome-wide scan for serum ghrelin detects linkage on chromosome 1p36 in Hispanic children: results from the Viva La Familia study. *Pediatric Research*, **2007**, 62, 445-50	3.2	14

38	Evaluation of the feasibility of international growth standards for school-aged children and adolescents. *Journal of Nutrition*, **2007**, 137, 153-7	4.1	127
37	Metabolic and behavioral predictors of weight gain in Hispanic children: the Viva la Familia Study. *American Journal of Clinical Nutrition*, **2007**, 85, 1478-85	7	119
36	Physical activity in nonoverweight and overweight Hispanic children and adolescents. *Medicine and Science in Sports and Exercise*, **2007**, 39, 1257-66	1.2	128
35	A quantitative trait locus on chromosome 13q affects fasting glucose levels in Hispanic children. *Journal of Clinical Endocrinology and Metabolism*, **2007**, 92, 4893-6	5.6	9
34	Energy requirements of infants and children. *Nestle Nutrition Workshop Series Paediatric Programme*, **2006**, 58, 19-32; discussion 33-7		4
33	Normalization of energy expenditure data for differences in body mass or composition in children and adolescents. *Journal of Nutrition*, **2006**, 136, 1371-6	4.1	30
32	Viva la Familia Study: genetic and environmental contributions to childhood obesity and its comorbidities in the Hispanic population. *American Journal of Clinical Nutrition*, **2006**, 84, 646-54; quiz 673-4	7	113
31	Evaluation of the feasibility of international growth standards for school-aged children and adolescents. *Food and Nutrition Bulletin*, **2006**, 27, S169-74	1.8	23
30	Energy requirements during pregnancy and consequences of deviations from requirement on fetal outcome. *Nestle Nutrition Workshop Series Paediatric Programme*, **2005**, 55, 49-67; discussion 67-71		11
29	Quantitative genetic analysis of the metabolic syndrome in Hispanic children. *Pediatric Research*, **2005**, 58, 1243-8	3.2	54
28	Genetic and environmental factors influencing fasting serum adiponectin in Hispanic children. *Journal of Clinical Endocrinology and Metabolism*, **2005**, 90, 4170-6	5.6	55
27	Energy requirements during pregnancy and lactation. *Public Health Nutrition*, **2005**, 8, 1010-27	3.3	293
26	Energy requirements of infants. *Public Health Nutrition*, **2005**, 8, 953-67	3.3	77
25	The Start Healthy Feeding Guidelines for Infants and Toddlers. *Journal of the American Dietetic Association*, **2004**, 104, 442-54		103
24	Energy requirements during pregnancy based on total energy expenditure and energy deposition. *American Journal of Clinical Nutrition*, **2004**, 79, 1078-87	7	196
23	Prediction of activity energy expenditure using accelerometers in children. *Medicine and Science in Sports and Exercise*, **2004**, 36, 1625-31	1.2	258
22	Comment on "Obesity and the environment: where do we go from here?". *Science*, **2003**, 301, 598; author reply 598	33.3	49
21	Validity and reliability of activity measures in African-American girls for GEMS. *Medicine and Science in Sports and Exercise*, **2003**, 35, 532-9	1.2	121

20	Metabolic adaptation to high-fat and high-carbohydrate diets in children and adolescents. *American Journal of Clinical Nutrition*, **2003**, 77, 479-89	7	41
19	Energy requirements of women of reproductive age. *American Journal of Clinical Nutrition*, **2003**, 77, 630-8	7	28
18	Predictors of body fat gain in nonobese girls with a familial predisposition to obesity. *American Journal of Clinical Nutrition*, **2003**, 78, 1212-8	7	46
17	Validation and calibration of physical activity monitors in children. *Obesity*, **2002**, 10, 150-7		668
16	Effects of dietary macronutrient content on glucose metabolism in children. *Journal of Clinical Endocrinology and Metabolism*, **2002**, 87, 5168-78	5.6	63
15	Glucose production, gluconeogenesis, and insulin sensitivity in children and adolescents: an evaluation of their reproducibility. *Pediatric Research*, **2001**, 50, 115-23	3.2	53
14	The role of breastfeeding in obesity. *Pediatric Clinics of North America*, **2001**, 48, 189-98	3.6	79
13	Fat intake of children in relation to energy requirements. *American Journal of Clinical Nutrition*, **2000**, 72, 1246S-1252S	7	43
12	Body composition during the first 2 years of life: an updated reference. *Pediatric Research*, **2000**, 47, 578-85	3.2	346
11	Lactation delays postpartum bone mineral accretion and temporarily alters its regional distribution in women. *Journal of Nutrition*, **2000**, 130, 777-83	4.1	55
10	Energy requirements derived from total energy expenditure and energy deposition during the first 2 y of life. *American Journal of Clinical Nutrition*, **2000**, 72, 1558-69	7	144
9	Effects of familial predisposition to obesity on energy expenditure in multiethnic prepubertal girls. *American Journal of Clinical Nutrition*, **2000**, 71, 893-900	7	40
8	Maternal blood B-cell (CD19+) percentages and serum immunoglobulin concentrations correlate with breast-feeding behavior and serum prolactin concentration. *American Journal of Reproductive Immunology*, **1998**, 40, 57-62	3.8	21
7	Body composition changes during lactation are highly variable among women. *Journal of Nutrition*, **1998**, 128, 381S-385S	4.1	117
6	Energy expenditure in children predicted from heart rate and activity calibrated against respiration calorimetry. *American Journal of Physiology - Endocrinology and Metabolism*, **1998**, 275, E12-8	6	18
5	Combined heart rate and activity improve estimates of oxygen consumption and carbon dioxide production rates. *Journal of Applied Physiology*, **1996**, 81, 1754-61	3.7	47
4	Measurement of milk intake: tracer-to-infant deuterium dilution method. *British Journal of Nutrition*, **1991**, 65, 3-14	3.6	33
3	Energy cost of growth during infancy. *Proceedings of the Nutrition Society*, **1989**, 48, 303-12	2.9	20

2	Prediction of body density from skinfold measurements in lactating women. *British Journal of Nutrition*, **1985**, 53, 485-9	3.6	23
1	Adiposity, Insulin Resistance, Cardiorespiratory Fitness, and Bone Health in Hispanic Children. *Journal of Clinical Endocrinology and Metabolism*,	5.6	1