Sulin Cheng

List of Publications by Year
in descending order

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90 papers	3,785 citations	126708 33 h-index	138251 58 g-index
98 all docs	98 docs citations	98 times ranked	6121 citing authors

#	Article	IF	Citations
1	Tartrate-Resistant Acid Phosphatase 5b: A Novel Serum Marker of Bone Resorption. Journal of Bone and Mineral Research, 2000, 15, 1337-1345.	3.1	349
2	Association of low 25-hydroxyvitamin D concentrations with elevated parathyroid hormone concentrations and low cortical bone density in early pubertal and prepubertal Finnish girls. American Journal of Clinical Nutrition, 2003, 78, 485-492.	2.2	241
3	Assessing Body Composition With DXA and Bioimpedance: Effects of Obesity, Physical Activity, and Age. Obesity, 2008, 16, 700-705.	1.5	212
4	Effects of calcium, dairy product, and vitamin D supplementation on bone mass accrual and body composition in 10â€“12-y-old girls: a 2-y randomized trial. American Journal of Clinical Nutrition, 2005, 82, 1115-1126.	2.2	194
5	Long-term Leisure-time Physical Activity and Serum Metabolome. Circulation, 2013, 127, 340-348.	1.6	193
6	Bidirectional Influence of the COVID-19 Pandemic Lockdowns on Health Behaviors and Quality of Life among Chinese Adults. International Journal of Environmental Research and Public Health, 2020, 17, 5575.	1.2	151
7	Change in bone mass distribution induced by hormone replacement therapy and high-impact physical exercise in post-menopausal women. Bone, 2002, 31, 126-135.	1.4	102
8	Women With and Without Metabolic Disorder Differ in Their Gut Microbiota Composition. Obesity, 2012, 20, 1082-1087.	1.5	82
9	Body composition in 18â€•to 88â€yearâ€old adultsâ€”comparison of multifrequency bioimpedance and dualâ€energy Xâ€ray absorptiometry. Obesity, 2014, 22, 101-109.	1.5	82
10	Bone and Muscle Development During Puberty in Girls: A Seven-Year Longitudinal Study. Journal of Bone and Mineral Research, 2009, 24, 1693-1698.	3.1	80
11	Calcaneal Bone Mineral Density Predicts Fracture Occurrence: A Five-Year Follow-up Study in Elderly People. Journal of Bone and Mineral Research, 1997, 12, 1075-1082.	3.1	75
12	Associations of disordered sleep with body fat distribution, physical activity and diet among overweight middleâ€aged men. Journal of Sleep Research, 2015, 24, 414-424.	1.7	75
13	Effect of aerobic exercise and diet on liver fat in pre-diabetic patients with non-alcoholic-fatty-liver-disease: A randomized controlled trial. Scientific Reports, 2017, 7, 15952.	1.6	74
14	Trait-specific tracking and determinants of body composition: a 7-year follow-up study of pubertal growth in girls. BMC Medicine, 2009, 7, 5.	2.3	72
15	Serum metabolic profiles in overweight and obese women with and without metabolic syndrome. Diabetology and Metabolic Syndrome, 2014, 6, 40.	1.2	68
16	Growth Patterns at Distal Radius and Tibial Shaft in Pubertal Girls: A 2-Year Longitudinal Study. Journal of Bone and Mineral Research, 2005, 20, 954-961.	3.1	66
17	Adipose Tissue Dysfunction and Altered Systemic Amino Acid Metabolism Are Associated with Non-Alcoholic Fatty Liver Disease. PLoS ONE, 2015, 10, e0138889.	1.1	66
18	High-intensity interval training in the therapy and aftercare of cancer patients: a systematic review with meta-analysis. Journal of Cancer Survivorship, 2019, 13, 205-223.	1.5	63

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19	Lactation is associated with greater maternal bone size and bone strength later in life. Osteoporosis International, 2012, 23, 1939-1945.	1.3	59
20	Differential Effects of Sex Hormones on Peri- and Endocortical Bone Surfaces in Pubertal Girls. Journal of Clinical Endocrinology and Metabolism, 2006, 91, 277-282.	1.8	55
21	Gut-adipose tissue axis in hepatic fat accumulation in humans. Journal of Hepatology, 2014, 61, 132-138.	1.8	55
22	Insulin resistance is associated with altered amino acid metabolism and adipose tissue dysfunction in normoglycemic women. Scientific Reports, 2016, 6, 24540.	1.6	53
23	The Association between Cardiorespiratory Fitness and Gut Microbiota Composition in Premenopausal Women. Nutrients, 2017, 9, 792.	1.7	53
24	Tollâ€like receptor 5 in obesity: The role of gut microbiota and adipose tissue inflammation. Obesity, 2015, 23, 581-590.	1.5	50
25	Influence of physical activity and maturation status on bone mass and geometry in early pubertal girls1. Scandinavian Journal of Medicine and Science in Sports, 2005, 15, 100-106.	1.3	47
26	Boneâ€™s Structural Diversity in Adult Females Is Established before Puberty. Journal of Clinical Endocrinology and Metabolism, 2009, 94, 1555-1561.	1.8	44
27	Serum Osteocalcin Is Not Associated with Glucose but Is Inversely Associated with Leptin across Generations of Nondiabetic Women. Journal of Clinical Endocrinology and Metabolism, 2012, 97, 4106-4114.	1.8	44
28	Prolonged breast-feeding protects mothers from later-life obesity and related cardio-metabolic disorders. Public Health Nutrition, 2012, 15, 67-74.	1.1	44
29	NormalÂweight obesity and physical fitness in Chinese university students: an overlooked association. BMC Public Health, 2018, 18, 1334.	1.2	41
30	Normalâ€weight obesity and cardiometabolic risk: A 7â€year longitudinal study in girls from prepuberty to early adulthood. Obesity, 2017, 25, 1077-1082.	1.5	40
31	A randomized controlled trial for response of microbiome network to exercise and diet intervention in patients with nonalcoholic fatty liver disease. Nature Communications, 2022, 13, 2555.	5.8	40
32	Low volumetric BMD is linked to upper-limb fracture in pubertal girls and persists into adulthood: A seven-year cohort study. Bone, 2009, 45, 480-486.	1.4	38
33	Concerted actions of insulin-like growth factor 1, testosterone, and estradiol on peripubertal bone growth: A 7-year longitudinal study. Journal of Bone and Mineral Research, 2011, 26, 2204-2211.	3.1	36
34	Bone density of the calcaneus and fractures in 75- and 80-year-old men and women. Osteoporosis International, 1994, 4, 48-54.	1.3	34
35	Effect of Six-Month Diet Intervention on Sleep among Overweight and Obese Men with Chronic Insomnia Symptoms: A Randomized Controlled Trial. Nutrients, 2016, 8, 751.	1.7	33
36	Food consumption and nutrient intakes with a special focus on milk product consumption in early pubertal girls in Central Finland. Public Health Nutrition, 2005, 8, 284-289.	1.1	29

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37	Effect of aerobic exercise and low carbohydrate diet on pre-diabetic non-alcoholic fatty liver disease in postmenopausal women and middle aged men â€“ the role of gut microbiota composition: study protocol for the AELC randomized controlled trial. BMC Public Health, 2014, 14, 48.	1.2	29
38	Effects of aerobic exercise on home-based sleep among overweight and obese men with chronic insomnia symptoms: a randomized controlled trial. Sleep Medicine, 2016, 25, 113-121.	0.8	29
39	Foot strike pattern, step rate, and trunk posture combined gait modifications to reduce impact loading during running. Journal of Biomechanics, 2019, 86, 102-109.	0.9	29
40	Seasonal Variation of Red Blood Cell Variables in Physically Inactive Men: Effects of Strength Training. International Journal of Sports Medicine, 2008, 29, 564-568.	0.8	27
41	Estimation of structural and geometrical properties of cortical bone by computerized tomography in 78-year-old women. Journal of Bone and Mineral Research, 1995, 10, 139-148.	3.1	27
42	Muscle and serum metabolomes are dysregulated in colon-26 tumor-bearing mice despite amelioration of cachexia with activin receptor type 2B ligand blockade. American Journal of Physiology - Endocrinology and Metabolism, 2019, 316, E852-E865.	1.8	26
43	Monitoring Bone Growth Using Quantitative Ultrasound in Comparison with DXA and pQCT. Journal of Clinical Densitometry, 2008, 11, 295-301.	0.5	25
44	Metabolic response to 6-week aerobic exercise training and dieting in previously sedentary overweight and obese pre-menopausal women: A randomized trial. Journal of Sport and Health Science, 2014, 3, 217-224.	3.3	25
45	Supervised Physical Training Enhances Muscle Strength but Not Muscle Mass in Prostate Cancer Patients Undergoing Androgen Deprivation Therapy: A Systematic Review and Meta-Analysis. Frontiers in Physiology, 2019, 10, 843.	1.3	25
46	Serum Amino Acid Profiles in Childhood Predict Triglyceride Level in Adulthood: A 7-Year Longitudinal Study in Girls. Journal of Clinical Endocrinology and Metabolism, 2016, 101, 2047-2055.	1.8	23
47	Serum osteocalcin in relation to calcaneal bone mineral density in elderly men and women: a 5-year follow-up. Journal of Bone and Mineral Metabolism, 2002, 20, 49-56.	1.3	22
48	Long-term leisure-time physical activity has a positive effect on bone mass gain in girls. Journal of Bone and Mineral Research, 2010, 25, 1034-1041.	3.1	22
49	Age-related decline in skeletal muscle mass and function among elderly men and women in Shanghai, China: a cross sectional study. Asia Pacific Journal of Clinical Nutrition, 2016, 25, 326-32.	0.3	22
50	Effects of exercise and diet interventions on obesity-related sleep disorders in men: study protocol for a randomized controlled trial. Trials, 2013, 14, 235.	0.7	21
51	BMI and an Anthropometry-Based Estimate of Fat Mass Percentage Are Both Valid Discriminators of Cardiometabolic Risk: A Comparison with DXA and Bioimpedance. Journal of Obesity, 2013, 2013, 1-14.	1.1	19
52	Fat mass accumulation compromises bone adaptation to load in finnish women: A cross-sectional study spanning three generations. Journal of Bone and Mineral Research, 2010, 25, 2341-2349.	3.1	18
53	Bone and body segment lengthening and widening: A 7-year follow-up study in pubertal girls. Bone, 2010, 47, 773-782.	1.4	18
54	The Associations of Serum Serotonin with Bone Traits Are Age- and Gender-Specific. PLoS ONE, 2014, 9, e109028.	1.1	18

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55	Comparison of vertebral bone marrow fat assessed by 1H MRS and inphase and out-of-phase MRI among family members. Osteoporosis International, 2014, 25, 653-662.	1.3	18
56	OGT and OGA expression in postmenopausal skeletal muscle associates with hormone replacement therapy and muscle cross-sectional area. Experimental Gerontology, 2013, 48, 1501-1504.	1.2	17
57	Familial resemblance and diversity in bone mass and strength in the population are established during the first year of postnatal life. Journal of Bone and Mineral Research, 2010, 25, 1512-1520.	3.1	16
58	The effects of muscle mass and muscle quality on cardio-metabolic risk in peripubertal girls: a longitudinal study from childhood to early adulthood. International Journal of Obesity, 2018, 42, 648-654.	1.6	16
59	Branched-Chain and Aromatic Amino Acids Are Associated With Insulin Resistance During Pubertal Development in Girls. Journal of Adolescent Health, 2019, 65, 337-343.	1.2	16
60	The Effect of a Ketogenic Low-Carbohydrate, High-Fat Diet on Aerobic Capacity and Exercise Performance in Endurance Athletes: A Systematic Review and Meta-Analysis. Nutrients, 2021, 13, 2896.	1.7	16
61	Does Systemic Low-Grade Inflammation Associate With Fat Accumulation and Distribution? A 7-Year Follow-Up Study With Peripubertal Girls. Journal of Clinical Endocrinology and Metabolism, 2014, 99, 1411-1419.	1.8	15
62	Effect of long-term leisure time physical activity on lean mass and fat mass in girls during adolescence. Journal of Applied Physiology, 2011, 110, 1211-1218.	1.2	14
63	Effects of resistance training on biomarkers of bone formation and association with red blood cell variables. Journal of Physiology and Biochemistry, 2011, 67, 351-358.	1.3	14
64	Towards early risk biomarkers: serum metabolic signature in childhood predicts cardio-metabolic risk in adulthood. EBioMedicine, 2021, 72, 103611.	2.7	14
65	Cannabinoid receptor 1 and acute resistance exercise â€“ In vivo and in vitro studies in human skeletal muscle. Peptides, 2015, 67, 55-63.	1.2	13
66	Growth and Aging of Proximal Femoral Bone: A Study With Women Spanning Three Generations. Journal of Bone and Mineral Research, 2015, 30, 528-534.	3.1	12
67	Effect of aerobic exercise on insulin resistance and central adiposity disappeared after the discontinuation of intervention in overweight women. Journal of Sport and Health Science, 2016, 5, 166-170.	3.3	12
68	Adipocytes as a Link Between Gut Microbiota-Derived Flagellin and Hepatocyte Fat Accumulation. PLoS ONE, 2016, 11, e0152786.	1.1	12
69	Timing of Exercise Affects Glycemic Control in Type 2 Diabetes Patients Treated with Metformin. Journal of Diabetes Research, 2018, 2018, 1-9.	1.0	11
70	Physical activity continuum throughout the lifespan: Is exercise medicine or what?. Journal of Sport and Health Science, 2016, 5, 127-128.	3.3	10
71	Serum and urine markers of type I collagen metabolism in elderly women with high and low bone mineral density. European Journal of Clinical Investigation, 1996, 26, 186-191.	1.7	9
72	Does hysterectomy with ovarian conservation affect bone metabolism and density?. Journal of Bone and Mineral Metabolism, 2003, 21, 12-16.	1.3	9

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73	Differences in Estimates of Change of Bone Accrual and Body Composition in Children Because of Scan Mode Selection With the Prodigy Densitometer. Journal of Clinical Densitometry, 2005, 8, 65-73.	0.5	9
74	Effects of exercise and dietary interventions on serum metabolites in men with insomnia symptoms: A 6-month randomized controlled trial. Sports Medicine and Health Science, 2020, 2, 95-101.	0.7	8
75	Interactive effects of aging and aerobic capacity on energy metabolismâ€“related metabolites of serum, skeletal muscle, and white adipose tissue. GeroScience, 2021, 43, 2679-2691.	2.1	8
76	Activity of Thigh Muscles During Static and Dynamic Stances in Stroke Patients: A Pilot Case-Control Study. Topics in Stroke Rehabilitation, 2014, 21, 163-172.	1.0	7
77	Does sex hormone-binding globulin cause insulin resistance during pubertal growth?. Endocrine Connections, 2019, 8, 510-517.	0.8	7
78	Is bone loss the reversal of bone accrual? evidence from a cross-sectional study in daughter-mother-grandmother trios. Journal of Bone and Mineral Research, 2011, 26, 934-940.	3.1	6
79	Exercise in type 2 diabetes: The mechanisms of resistance and endurance training. Journal of Sport and Health Science, 2012, 1, 65-66.	3.3	5
80	Is Structured Exercise Performed with Supplemental Oxygen a Promising Method of Personalized Medicine in the Therapy of Chronic Diseases?. Journal of Personalized Medicine, 2020, 10, 135.	1.1	4
81	Changes in Fat Oxidation and Body Composition after Combined Exercise Intervention in Sedentary Obese Chinese Adults. Journal of Clinical Medicine, 2022, 11, 1086.	1.0	4
82	Effect of Chronic Exercise Training on Blood Lactate Metabolism Among Patients With Type 2 Diabetes Mellitus: A Systematic Review and Meta-Analysis. Frontiers in Physiology, 2021, 12, 652023.	1.3	3
83	Differences in cardiometabolic risk profiles between Chinese and Finnish older adults with glucose impairment and central obesity. Journal of Endocrinological Investigation, 2022, 45, 1427-1437.	1.8	3
84	Association of leisure time physical activity and NMR-detected circulating amino acids in peripubertal girls: A 7.5-year longitudinal study. Scientific Reports, 2017, 7, 14026.	1.6	2
85	The Impact of Nordic Walking on Bone Properties in Postmenopausal Women with Pre-Diabetes and Non-Alcohol Fatty Liver Disease. International Journal of Environmental Research and Public Health, 2021, 18, 7570.	1.2	2
86	Does Serum 25-Hydroxyvitamin D Influence Muscle Development during Puberty in Girls? - A 7-Year Longitudinal Study. PLoS ONE, 2013, 8, e82124.	1.1	2
87	Association between RAGE gene polymorphisms and ulcerative colitis susceptibility: a case-control study in a Chinese Han population. Genetics and Molecular Research, 2015, 14, 19242-19248.	0.3	1
88	Axial transmission techniques for bone assessment: an in vitro comparative study. , 0, , .		0
89	Lactation, bone strength and reduced risk of bone fractures: reply to comment by Cure-Cure et al.. Osteoporosis International, 2013, 24, 1521-1521.	1.3	0
90	Self-selected running gait modifications reduce acute impact loading, awkwardness, and effort. Sports Biomechanics, 2021, , 1-14.	0.8	0