Chwan-Li Shen

List of Publications by Citations

96 papers	3,002 citations	30 h-index	53 g-index
104 ext. papers	3,521 ext. citations	3.8 avg, IF	5.47 L-index

#	Paper	IF	Citations
96	Novel insights of dietary polyphenols and obesity. *Journal of Nutritional Biochemistry*, **2014**, 25, 1-18	6.3	558
95	Group and home-based tai chi in elderly subjects with knee osteoarthritis: a randomized controlled trial. *Clinical Rehabilitation*, **2007**, 21, 99-111	3.3	135
94	Green tea and bone metabolism. *Nutrition Research*, **2009**, 29, 437-56	4	134
93	Dietary polyphenols and mechanisms of osteoarthritis. *Journal of Nutritional Biochemistry*, **2012**, 23, 1367-77	6.3	97
92	Fruits and dietary phytochemicals in bone protection. *Nutrition Research*, **2012**, 32, 897-910	4	80
91	Green tea polyphenols reduce body weight in rats by modulating obesity-related genes. *PLoS ONE*, **2012**, 7, e38332	3.7	80
90	Effect of Geranylgeraniol and Green Tea Polyphenols on High-fat-diet-induced Bone Deterioration in Male B6 Mice (P06-025-19). *Current Developments in Nutrition*, **2019**, 3,	0.4	78
89	Differential Impacts of Gingerols- and Shogaols-Enriched Ginger Root Extracts on Fecal Metabolites in Rats with Neuropathic Pain. *Current Developments in Nutrition*, **2020**, 4, 494-494	0.4	78
88	Supplementation of Geranylgeraniol and Tocotrienols to High-Fat Diet Shifts the Gut Microbiome Composition and Function in Type 2 Diabetic Mice. *Current Developments in Nutrition*, **2020**, 4, 393-393	0.4	78
87	Two Isomers of Ginger Root Extracts Modify Composition and Function of Gut Microbiota in Rats Treated with Neuropathic Pain. *Current Developments in Nutrition*, **2020**, 4, 394-394	0.4	78
86	Dietary Supplementation of Gingerols- and Shogaols-Enriched Ginger Root Extracts Attenuate Pain-Associated Behaviors in Animals with Spinal Nerve Ligation. *Current Developments in Nutrition*, **2020**, 4, 74-74	0.4	78
85	Cyclooxygenase-2 regulation of the age-related decline in testosterone biosynthesis. *Endocrinology* , **2005**, 146, 4202-8	4.8	73
84	Green tea polyphenols mitigate bone loss of female rats in a chronic inflammation-induced bone loss model. *Journal of Nutritional Biochemistry*, **2010**, 21, 968-74	6.3	70
83	Green tea and bone health: Evidence from laboratory studies. *Pharmacological Research*, **2011**, 64, 155-61	10.2	64
82	Protective effect of dietary long-chain n-3 polyunsaturated fatty acids on bone loss in gonad-intact middle-aged male rats. *British Journal of Nutrition*, **2006**, 95, 462-8	3.6	60
81	Green tea polyphenols benefits body composition and improves bone quality in long-term high-fat diet-induced obese rats. *Nutrition Research*, **2012**, 32, 448-57	4	57
80	Tea and bone health: steps forward in translational nutrition. *American Journal of Clinical Nutrition*, **2013**, 98, 1694S-1699S	7	56

79	Green tea polyphenols mitigate deterioration of bone microarchitecture in middle-aged female rats. *Bone*, **2009**, 44, 684-90	4.7	55
78	Anti-Inflammatory and Anti-Obesity Properties of Food Bioactive Components: Effects on Adipose Tissue. *Preventive Nutrition and Food Science*, **2017**, 22, 251-262	2.4	52
77	Long-term treatment with green tea polyphenols modifies the gut microbiome of female sprague-dawley rats. *Journal of Nutritional Biochemistry*, **2018**, 56, 55-64	6.3	47
76	Effects of Tai Chi on gait kinematics, physical function, and pain in elderly with knee osteoarthritis--a pilot study. *The American Journal of Chinese Medicine*, **2008**, 36, 219-32	6	42
75	Therapeutic properties of green tea against environmental insults. *Journal of Nutritional Biochemistry*, **2017**, 40, 1-13	6.3	38
74	Methylparaben and butylparaben alter multipotent mesenchymal stem cell fates towards adipocyte lineage. *Toxicology and Applied Pharmacology*, **2017**, 329, 48-57	4.6	38
73	Differential effects on adiposity and serum marker of bone formation by post-weaning exposure to methylparaben and butylparaben. *Environmental Science and Pollution Research*, **2016**, 23, 21957-21968	5.1	36
72	Effects of delta-tocotrienol on obesity-related adipocyte hypertrophy, inflammation and hepatic steatosis in high-fat-fed mice. *Journal of Nutritional Biochemistry*, **2017**, 48, 128-137	6.3	36
71	Green tea polyphenols modify gut-microbiota dependent metabolisms of energy, bile constituents and micronutrients in female Sprague-Dawley rats. *Journal of Nutritional Biochemistry*, **2018**, 61, 68-81	6.3	34
70	Supplementation with green tea polyphenols improves bone microstructure and quality in aged, orchidectomized rats. *Calcified Tissue International*, **2011**, 88, 455-63	3.9	34
69	Green tea polyphenols supplementation and Tai Chi exercise for postmenopausal osteopenic women: safety and quality of life report. *BMC Complementary and Alternative Medicine*, **2010**, 10, 76	4.7	31
68	Effects of ginger (Zingiber officinale Rosc.) on decreasing the production of inflammatory mediators in sow osteoarthrotic cartilage explants. *Journal of Medicinal Food*, **2003**, 6, 323-8	2.8	31
67	Mitigation of oxidative damage by green tea polyphenols and Tai Chi exercise in postmenopausal women with osteopenia. *PLoS ONE*, **2012**, 7, e48090	3.7	31
66	Decreased production of inflammatory mediators in human osteoarthritic chondrocytes by conjugated linoleic acids. *Lipids*, **2004**, 39, 161-6	1.6	30
65	Tea flavonoids for bone health: from animals to humans. *Journal of Investigative Medicine*, **2016**, 64, 1151-7	2.9	30
64	Comparative effects of ginger root (Zingiber officinale Rosc.) on the production of inflammatory mediators in normal and osteoarthrotic sow chondrocytes. *Journal of Medicinal Food*, **2005**, 8, 149-53	2.8	29
63	Potential roles of vitamin E in age-related changes in skeletal muscle health. *Nutrition Research*, **2018**, 49, 23-36	4	28
62	Mevalonate-suppressive dietary isoprenoids for bone health. *Journal of Nutritional Biochemistry*, **2012**, 23, 1543-51	6.3	24

61	Healthcare Engineering Defined: A White Paper. *Journal of Healthcare Engineering*, **2015**, 6, 635-47	3.7	23
60	A High-Fat Diet Decreases Bone Mass in Growing Mice with Systemic Chronic Inflammation Induced by Low-Dose, Slow-Release Lipopolysaccharide Pellets. *Journal of Nutrition*, **2017**, 147, 1909-1916	4.1	21
59	Comparison of the effects of Tai Chi and resistance training on bone metabolism in the elderly: a feasibility study. *The American Journal of Chinese Medicine*, **2007**, 35, 369-81	6	21
58	Associations between tissue visfatin/nicotinamide, phosphoribosyltransferase (Nampt), retinol binding protein-4, and vaspin concentrations and insulin resistance in morbidly obese subjects. *Mediators of Inflammation*, **2013**, 2013, 861496	4.3	20
57	Tocotrienols for bone health: a translational approach. *Annals of the New York Academy of Sciences*, **2017**, 1401, 150-165	6.5	19
56	A gel-based proteomic analysis of the effects of green tea polyphenols on ovariectomized rats. *Nutrition*, **2011**, 27, 681-6	4.8	19
55	Green tea polyphenols and Tai Chi for bone health: designing a placebo-controlled randomized trial. *BMC Musculoskeletal Disorders*, **2009**, 10, 110	2.8	19
54	Polysaccharides of Trametes versicolor Improve Bone Properties in Diabetic Rats. *Journal of Agricultural and Food Chemistry*, **2015**, 63, 9232-8	5.7	18
53	Green tea supplementation benefits body composition and improves bone properties in obese female rats fed with high-fat diet and caloric restricted diet. *Nutrition Research*, **2015**, 35, 1095-105	4	18
52	The Potential of Isoprenoids in Adjuvant Cancer Therapy to Reduce Adverse Effects of Statins. *Frontiers in Pharmacology*, **2018**, 9, 1515	5.6	17
51	Annatto-extracted tocotrienols improve glucose homeostasis and bone properties in high-fat diet-induced type 2 diabetic mice by decreasing the inflammatory response. *Scientific Reports*, **2018** , 8, 11377	4.9	17
50	Protective actions of green tea polyphenols and alfacalcidol on bone microstructure in female rats with chronic inflammation. *Journal of Nutritional Biochemistry*, **2011**, 22, 673-80	6.3	17
49	Green tea polyphenols boost gut-microbiota-dependent mitochondrial TCA and urea cycles in Sprague-Dawley rats. *Journal of Nutritional Biochemistry*, **2020**, 81, 108395	6.3	16
48	Energy-restricted diet benefits body composition but degrades bone integrity in middle-aged obese female rats. *Nutrition Research*, **2013**, 33, 668-76	4	16
47	Metabolic benefits of annatto-extracted tocotrienol on glucose homeostasis, inflammation, and gut microbiome. *Nutrition Research*, **2020**, 77, 97-107	4	15
46	Green tea polyphenols improve bone microarchitecture in high-fat-diet-induced obese female rats through suppressing bone formation and erosion. *Journal of Medicinal Food*, **2013**, 16, 421-7	2.8	15
45	Effect of long-chain n-3 polyunsaturated fatty acid on inflammation mediators during osteoblastogenesis. *Journal of Medicinal Food*, **2008**, 11, 105-10	2.8	15
44	Impacts of Green Tea on Joint and Skeletal Muscle Health: Prospects of Translational Nutrition. *Antioxidants*, **2020**, 9,	7.1	14

43	Effect of annatto-extracted tocotrienols and green tea polyphenols on glucose homeostasis and skeletal muscle metabolism in obese male mice. *Journal of Nutritional Biochemistry*, **2019**, 67, 36-43	6.3	13
42	Functions and mechanisms of green tea catechins in regulating bone remodeling. *Current Drug Targets*, **2013**, 14, 1619-30	3	13
41	Lipid content in hepatic and gonadal adipose tissue parallel aortic cholesterol accumulation in mice fed diets with different omega-6 PUFA to EPA plus DHA ratios. *Clinical Nutrition*, **2014**, 33, 260-6	5.9	12
40	Green tea polyphenols avert chronic inflammation-induced myocardial fibrosis of female rats. *Inflammation Research*, **2011**, 60, 665-72	7.2	12
39	Osteoprotective Roles of Green Tea Catechins. *Antioxidants*, **2020**, 9,	7.1	11
38	Anti-atherogenic effects of CD36-targeted epigallocatechin gallate-loaded nanoparticles. *Journal of Controlled Release*, **2019**, 303, 263-273	11.7	10
37	A 12-week evaluation of annatto tocotrienol supplementation for postmenopausal women: safety, quality of life, body composition, physical activity, and nutrient intake. *BMC Complementary and Alternative Medicine*, **2018**, 18, 198	4.7	10
36	Green tea polyphenols and 1-□OH-vitamin D□attenuate chronic inflammation-induced myocardial fibrosis in female rats. *Journal of Medicinal Food*, **2012**, 15, 269-77	2.8	8
35	Safety and efficacy of tocotrienol supplementation for bone health in postmenopausal women: protocol for a dose-response double-blinded placebo-controlled randomised trial. *BMJ Open*, **2016**, 6, e012572	3	8
34	Effect of Long-Term Green Tea Polyphenol Supplementation on Bone Architecture, Turnover, and Mechanical Properties in Middle-Aged Ovariectomized Rats. *Calcified Tissue International*, **2019**, 104, 285-300	3.9	8
33	Effects of martial arts exercise on body composition, serum biomarkers and quality of life in overweight/obese premenopausal women: a pilot study. *Clinical Medicine Insights Womens Health*, **2013**, 6, 55-65	2	7
32	High Cardiorespiratory Fitness Is Associated with Reduced Risk of Low Bone Density in Postmenopausal Women. *Journal of Womens Health*, **2016**, 25, 1073-1080	3	7
31	Maternal exercise before and during pregnancy alleviates metabolic dysfunction associated with high-fat diet in pregnant mice, without significant changes in gut microbiota. *Nutrition Research*, **2019**, 69, 42-57	4	6
30	Safety Evaluation of Green Tea Polyphenols Consumption in Middle-aged Ovariectomized Rat Model. *Journal of Food Science*, **2017**, 82, 2192-2205	3.4	6
29	Osteoprotective effect of green tea polyphenols and annatto-extracted tocotrienol in obese mice is associated with enhanced microbiome vitamin K biosynthetic pathways. *Journal of Nutritional Biochemistry*, **2020**, 86, 108492	6.3	6
28	The Relationship Between Cardiorespiratory Fitness and Bone Mineral Density in Men: A□Cross-sectional Study. *Mayo Clinic Proceedings*, **2016**, 91, 726-34	6.4	6
27	Peroxisome proliferator-activated receptor □down-regulation mediates the inhibitory effect of d-□tocotrienol on the differentiation of murine 3T3-F442A preadipocytes. *Nutrition Research*, **2016**, 36, 1345-1352	4	5
26	Effects of dietary fat levels and feeding durations on musculoskeletal health in female rats. *Food and Function*, **2014**, 5, 598-604	6.1	5

25	Dietary supplementation of gingerols- and shogaols-enriched ginger root extract attenuate pain-associated behaviors while modulating gut microbiota and metabolites in rats with spinal nerve ligation. *Journal of Nutritional Biochemistry*, **2021**, 100, 108904	6.3	5
24	Dietary Annatto-Extracted Tocotrienol Reduces Inflammation and Oxidative Stress, and Improves Macronutrient Metabolism in Obese Mice: A Metabolic Profiling Study. *Nutrients*, **2021**, 13,	6.7	4
23	Short-term supplementation of COX-2 inhibitor suppresses bone turnover in gonad-intact middle-aged male rats. *Journal of Bone and Mineral Metabolism*, **2006**, 24, 461-6	2.9	3
22	Tocotrienols in Bone Protection: Evidence from Preclinical Studies. *EFood*, **2020**, 1, 217	1.9	3
21	Mechanisms Mediating Anti-Inflammatory Effects of Delta-Tocotrienol and Tart Cherry Anthocyanins in 3T3-L1 Adipocytes. *Nutrients*, **2020**, 12,	6.7	3
20	Advances in Powered Ankle-Foot Prostheses. *Critical Reviews in Biomedical Engineering*, **2018**, 46, 93-108	1.1	3
19	Enhancement of colon and stomach carcinogenesis in 1,2-dimethylhydrazine-treated rats fed a diet high in heterocyclic amines. *European Food Research and Technology*, **1998**, 207, 455-458		2
18	Effect of Tai Chi Exercise on Type 2 Diabetes: A Feasibility Study. *Integrative Medicine Insights*, **2007**, 2, 117863370700200		2
17	Effect of green tea polyphenols on chronic inflammation-induced bone loss in female rats. *FASEB Journal*, **2008**, 22, 314.3	0.9	2
16	High-fat diet exacerbates bone loss in mice implanted with low-dose slow-release lipopolysaccharide pellets. *FASEB Journal*, **2016**, 30, 915.17	0.9	1
15	Actions of annatto-extracted tocotrienol supplementation on obese postmenopausal women: study protocol for a double-blinded, placebo-controlled, randomised trial. *BMJ Open*, **2020**, 10, e034338	3	1
14	Tai Chi Improves Brain Functional Connectivity and Plasma Lysophosphatidylcholines in Postmenopausal Women With Knee Osteoarthritis: An Exploratory Pilot Study.. *Frontiers in Medicine*, **2021**, 8, 775344	4.9	0
13	Dietary Ginger Root Extract Supplementation Mitigated Diabetic Peripheral Neuropathy in Streptozotocin-Induced Diabetic Rats by Modulating Gut Microbiota. *Current Developments in Nutrition*, **2021**, 5, 1179-1179	0.4	0
12	Beneficial effect of dietary geranylgeraniol on glucose homeostasis and bone microstructure in obese mice is associated with suppression of proinflammation and modification of gut microbiome. *Nutrition Research*, **2021**, 93, 27-37	4	0
11	Bioactive compounds for neuropathic pain: an update on preclinical studies and future perspectives.. *Journal of Nutritional Biochemistry*, **2022**, 108979	6.3	0
10	Tocotrienol Supplementation Led to Higher Serum Levels of Lysophospholipids but Lower Acylcarnitines in Postmenopausal Women: A Randomized Double-Blinded Placebo-Controlled Clinical Trial.. *Frontiers in Nutrition*, **2021**, 8, 766711	6.2	0
9	Green Tea and other Fruit Polyphenols Attenuate Deterioration of Bone Microarchitecture **2014**, 681-693		
8	Effect of CLA on IL-6 production of osteoblastic-like cells treated with human prostate cancer conditioned media. *FASEB Journal*, **2006**, 20, A993	0.9	

7	Green tea polyphenols prevent aging- and estrogen-deficiency-induced bone loss in aged and ovariectomized female rats. *FASEB Journal*, **2007**, 21, A354	0.9
6	Green tea polyphenols improve cortical bone and bone quality in alcohol-induced bone loss of young male rats (1032.1). *FASEB Journal*, **2014**, 28, 1032.1	0.9
5	Synergistic effect of green tea polyphenols and vitamin D on chronic inflammation-induced bone loss in female rats. *FASEB Journal*, **2009**, 23, 220.2	0.9
4	A gel-based proteomic analysis of green tea polyphenols effects on ovariectomized rats. *FASEB Journal*, **2010**, 24, 551.5	0.9
3	Green tea polyphenols benefit bone health in obese female rats fed with high-fat and restricted diets. *FASEB Journal*, **2012**, 26, 819.37	0.9
2	Green Tea and Bone Health Promotion **2013**, 613-625	
1	Restricted diet benefits body composition but deteriorates bone remodeling in middle-aged obese female rats. *FASEB Journal*, **2013**, 27, 360.1	0.9