

# K Zhu

## List of Publications by Year in descending order

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120  
papers

6,018  
citations

93792

39  
h-index

87275

74  
g-index

121  
all docs

121  
docs citations

121  
times ranked

10308  
citing authors

#	ARTICLE	IF	CITATIONS
1	Prospective Associations of Sugar-Sweetened Beverage Consumption During Adolescence with Body Composition and Bone Mass at Early Adulthood. <i>Journal of Nutrition</i> , 2022, 152, 399-407.	1.3	3
2	DXA-Derived vs Standard Anthropometric Measures for Predicting Cardiometabolic Risk in Middle-Aged Australian Men and Women. <i>Journal of Clinical Densitometry</i> , 2022, 25, 299-307.	0.5	6
3	Calcaneal quantitative ultrasound is associated with all-cause and cardiovascular disease mortality independent of hip bone mineral density. <i>Osteoporosis International</i> , 2022, 33, 1557-1567.	1.3	4
4	Investigating Potential Dose-Response Relationships between Vitamin D Status and Cognitive Performance: A Cross-Sectional Analysis in Middle- to Older-Aged Adults in the Busselton Healthy Ageing Study. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 450.	1.2	4
5	Abdominal aortic calcification, cardiac troponin I and atherosclerotic vascular disease mortality in older women. <i>Heart</i> , 2022, 108, 1274-1280.	1.2	5
6	Creatinine to Cystatin C Ratio, a Biomarker of Sarcopenia Measures and Falls Risk in Community-Dwelling Older Women. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2022, 77, 1389-1397.	1.7	9
7	Physical activity estimated by osteogenic potential and energy expenditure has differing associations with bone mass in young adults: the rainie study. <i>Archives of Osteoporosis</i> , 2022, 17, 67.	1.0	1
8	Establishing a Total Hip T-Score Threshold to Measure Contralateral Hip Bone Mineral Density: Avoiding Missed Diagnosis of Osteoporosis. <i>Journal of Clinical Densitometry</i> , 2022, 25, 577-586.	0.5	3
9	Time spent outdoors through childhood and adolescence - assessed by 25-hydroxyvitamin D concentration - and risk of myopia at 20 years. <i>Acta Ophthalmologica</i> , 2021, 99, 679-687.	0.6	10
10	Fracture risk prediction and the decision to treat low bone density. <i>Australian Journal of General Practice</i> , 2021, 50, 165-170.	0.3	5
11	Abdominal aortic calcification is associated with a higher risk of injurious fall-related hospitalizations in older Australian women. <i>Atherosclerosis</i> , 2021, 328, 153-159.	0.4	13
12	Prevalence and patterns of multimorbidity in Australian baby boomers: the Busselton healthy ageing study. <i>BMC Public Health</i> , 2021, 21, 1539.	1.2	14
13	Potential exposure-response relationships between vitamin D and cognitive performance in middle to older-aged adults. <i>International Journal of Epidemiology</i> , 2021, 50, .	0.9	0
14	Association between vitamin D status and long-term falls-related hospitalization risk in older women. <i>Journal of the American Geriatrics Society</i> , 2021, 69, 3114-3123.	1.3	10
15	Vegetable diversity in relation with subclinical atherosclerosis and 15-year atherosclerotic vascular disease deaths in older adult women. <i>European Journal of Nutrition</i> , 2020, 59, 217-230.	1.8	12
16	U-shaped association of vigorous physical activity with risk of metabolic syndrome in men with low lean mass, and no interaction of physical activity and serum 25-hydroxyvitamin D with metabolic syndrome risk. <i>Internal Medicine Journal</i> , 2020, 50, 460-469.	0.5	5
17	Modification of diet, exercise and lifestyle (MODEL) study: a randomised controlled trial protocol. <i>BMJ Open</i> , 2020, 10, e036366.	0.8	6
18	Implementation, mechanisms of impact and key contextual factors involved in outcomes of the Modification of Diet, Exercise and Lifestyle (MODEL) randomised controlled trial in Australian adults: protocol for a mixed-method process evaluation. <i>BMJ Open</i> , 2020, 10, e036395.	0.8	0

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19	Relationship between visceral adipose tissue and bone mineral density in Australian baby boomers. <i>Osteoporosis International</i> , 2020, 31, 2439-2448.	1.3	22
20	Serum Midkine, estimated glomerular filtration rate and chronic kidney disease-related events in elderly women: Perth Longitudinal Study of Aging Women. <i>Scientific Reports</i> , 2020, 10, 14499.	1.6	2
21	Characterisation of genetic regulatory effects for osteoporosis risk variants in human osteoclasts. <i>Genome Biology</i> , 2020, 21, 80.	3.8	36
22	Association Between Abdominal Aortic Calcification, Bone Mineral Density, and Fracture in Older Women. <i>Journal of Bone and Mineral Research</i> , 2019, 34, 2052-2060.	3.1	43
23	Effects of calcium supplementation on circulating osteocalcin and glycated haemoglobin in older women. <i>Osteoporosis International</i> , 2019, 30, 2065-2072.	1.3	10
24	Genetic regulatory mechanisms in human osteoclasts suggest a role for the STMP1 and DCSTAMP genes in Paget's disease of bone. <i>Scientific Reports</i> , 2019, 9, 1052.	1.6	23
25	Low Vitamin D Status Is Associated With Impaired Bone Quality and Increased Risk of Fracture-Related Hospitalization in Older Australian Women. <i>Journal of Bone and Mineral Research</i> , 2019, 34, 2019-2027.	3.1	15
26	Dietary protein and bone health across the life-course: an updated systematic review and meta-analysis over 40 years. <i>Osteoporosis International</i> , 2019, 30, 741-761.	1.3	53
27	Dietary nitrate intake is associated with muscle function in older women. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2019, 10, 601-610.	2.9	25
28	Lower serum 25-hydroxyvitamin D is associated with colorectal and breast cancer, but not overall cancer risk: a 20-year cohort study. <i>Nutrition Research</i> , 2019, 67, 100-107.	1.3	14
29	Relationship Between Vitamin D Status From Childhood to Early Adulthood With Body Composition in Young Australian Adults. <i>Journal of the Endocrine Society</i> , 2019, 3, 563-576.	0.1	2
30	Low 25-Hydroxyvitamin D Concentration Is Not Associated With Refractive Error in Middle-Aged and Older Western Australian Adults. <i>Translational Vision Science and Technology</i> , 2019, 8, 13.	1.1	10
31	Sarcopenia Definitions and Their Associations With Mortality in Older Australian Women. <i>Journal of the American Medical Association</i> , 2019, 321, 76-82.	1.2	43
32	Adding Lateral Spine Imaging for Vertebral Fractures to Densitometric Screening: Improving Ascertainment of Patients at High Risk of Incident Osteoporotic Fractures. <i>Journal of Bone and Mineral Research</i> , 2019, 34, 282-289.	3.1	28
33	Utility of four sarcopenia criteria for the prediction of falls-related hospitalization in older Australian women. <i>Osteoporosis International</i> , 2019, 30, 167-176.	1.3	26
34	Organized Sport Participation From Childhood to Adolescence Is Associated With Bone Mass in Young Adults From the Raine Study. <i>Journal of Bone and Mineral Research</i> , 2019, 34, 67-74.	3.1	12
35	Expression Quantitative Trait Locus Study of Bone Mineral Density GWAS Variants in Human Osteoclasts. <i>Journal of Bone and Mineral Research</i> , 2018, 33, 1044-1051.	3.1	43
36	Cruciferous and Total Vegetable Intakes Are Inversely Associated With Subclinical Atherosclerosis in Older Adult Women. <i>Journal of the American Heart Association</i> , 2018, 7, .	1.6	31

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37	Long-Term Atherosclerotic Vascular Disease Risk and Prognosis in Elderly Women With Abdominal Aortic Calcification on Lateral Spine Images Captured During Bone Density Testing: A Prospective Study. <i>Journal of Bone and Mineral Research</i> , 2018, 33, 1001-1010.	3.1	45
38	Vitamin D and respiratory health in the Busselton Healthy Ageing Study. <i>Respirology</i> , 2018, 23, 576-582.	1.3	15
39	Does vitamin D supplementation improve bone density in vitamin D-deficient children? Protocol for an individual patient data meta-analysis. <i>BMJ Open</i> , 2018, 8, e019584.	0.8	5
40	Life-Course Genome-wide Association Study Meta-analysis of Total Body BMD and Assessment of Age-Specific Effects. <i>American Journal of Human Genetics</i> , 2018, 102, 88-102.	2.6	252
41	Serum 25-hydroxyvitamin D as a predictor of mortality and cardiovascular events: A 20-year study of a community-based cohort. <i>Clinical Endocrinology</i> , 2018, 88, 154-163.	1.2	19
42	High-sensitivity cardiac troponin I and risk of cardiovascular disease in an Australian population-based cohort. <i>Heart</i> , 2018, 104, 895-903.	1.2	32
43	A 10-Year Prospective Study of Bone Mineral Density and Bone Turnover in Males and Females With Type 1 Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2018, 103, 3531-3539.	1.8	16
44	Vegetable and fruit intake and injurious falls risk in older women: a prospective cohort study. <i>British Journal of Nutrition</i> , 2018, 120, 925-934.	1.2	27
45	High-sensitivity cardiac troponin I and risk of incident atrial fibrillation hospitalisation in an Australian community-based cohort: The Busselton health study. <i>Clinical Biochemistry</i> , 2018, 58, 20-25.	0.8	10
46	Vegetable Diversity, Injurious Falls, and Fracture Risk in Older Women: A Prospective Cohort Study. <i>Nutrients</i> , 2018, 10, 1081.	1.7	9
47	The impact of dietary protein or amino acid supplementation on muscle mass and strength in elderly people: Individual participant data and meta-analysis of RCT's. <i>Journal of Nutrition, Health and Aging</i> , 2017, 21, 994-1001.	1.5	96
48	Tracking of vitamin D status from childhood to early adulthood and its association with peak bone mass. <i>American Journal of Clinical Nutrition</i> , 2017, 106, 276-283.	2.2	36
49	Cruciferous and Allium Vegetable Intakes are Inversely Associated With 15-Year Atherosclerotic Vascular Disease Deaths in Older Adult Women. <i>Journal of the American Heart Association</i> , 2017, 6, .	1.6	41
50	Association Between High-Sensitivity Cardiac Troponin I and Cardiac Events in Elderly Women. <i>Journal of the American Heart Association</i> , 2017, 6, .	1.6	12
51	Discordance between fat mass index and body mass index is associated with reduced bone mineral density in women but not in men: the Busselton Healthy Ageing Study. <i>Osteoporosis International</i> , 2017, 28, 259-268.	1.3	32
52	Depressive symptoms, body composition and bone mass in young adults: a prospective cohort study. <i>International Journal of Obesity</i> , 2017, 41, 576-581.	1.6	6
53	Vegetable and Fruit Intake and Fracture-Related Hospitalisations: A Prospective Study of Older Women. <i>Nutrients</i> , 2017, 9, 511.	1.7	23
54	Associations between hypothalamic-pituitary-adrenal axis function and peak bone mass at 20 years of age in a birth cohort. <i>Bone</i> , 2016, 85, 37-44.	1.4	7

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55	Longitudinal Trajectories of Television Watching Across Childhood and Adolescence Predict Bone Mass at Age 20 Years in the Raine Study. <i>Journal of Bone and Mineral Research</i> , 2016, 31, 2032-2040.	3.1	24
56	Effects of Whole Grain Food Consumption in Older Australian Women. <i>Cereal Foods World</i> , 2016, 61, 51-58.	0.7	1
57	Abdominal Aortic Calcification Identified on Lateral Spine Images From Bone Densitometers Are a Marker of Generalized Atherosclerosis in Elderly Women. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016, 36, 166-173.	1.1	49
58	Circulating Lipocalin 2 Levels Predict Fracture-Related Hospitalizations in Elderly Women: A Prospective Cohort Study. <i>Journal of Bone and Mineral Research</i> , 2015, 30, 2078-2085.	3.1	26
59	Lifestyle and Osteoporosis. <i>Current Osteoporosis Reports</i> , 2015, 13, 52-59.	1.5	68
60	Associations between body mass index, lean and fat body mass and bone mineral density in middle-aged Australians: The Busselton Healthy Ageing Study. <i>Bone</i> , 2015, 74, 146-152.	1.4	60
61	Consumption of a whey protein-enriched diet may prevent hepatic steatosis associated with weight gain in elderly women. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2015, 25, 388-395.	1.1	12
62	Dietary saturated fat intake and atherosclerotic vascular disease mortality in elderly women: a prospective cohort study. <i>American Journal of Clinical Nutrition</i> , 2015, 101, 1263-1268.	2.2	29
63	Two-Year Whey Protein Supplementation Did Not Enhance Muscle Mass and Physical Function in Well-Nourished Healthy Older Postmenopausal Women. <i>Journal of Nutrition</i> , 2015, 145, 2520-2526.	1.3	79
64	Identification of a dietary pattern prospectively associated with bone mass in Australian young adults. <i>American Journal of Clinical Nutrition</i> , 2015, 102, 1035-1043.	2.2	25
65	Vitamin D in Fetal Development: Findings From a Birth Cohort Study. <i>Pediatrics</i> , 2015, 135, e167-e173.	1.0	93
66	Elevated Circulating Osteoprotegerin and Renal Dysfunction Predict 15-Year Cardiovascular and All-Cause Mortality: A Prospective Study of Elderly Women. <i>PLoS ONE</i> , 2015, 10, e0134266.	1.1	13
67	Elevated Osteoprotegerin Predicts Declining Renal Function in Elderly Women: A 10-Year Prospective Cohort Study. <i>American Journal of Nephrology</i> , 2014, 39, 66-74.	1.4	25
68	Dairy Food Intake, Peripheral Bone Structure, and Muscle Mass in Elderly Ambulatory Women. <i>Journal of Bone and Mineral Research</i> , 2014, 29, 1691-1700.	3.1	50
69	The Effects of 3 Years of Calcium Supplementation on Common Carotid Artery Intimal Medial Thickness and Carotid Atherosclerosis in Older Women: An Ancillary Study of the CAIFOS Randomized Controlled Trial. <i>Journal of Bone and Mineral Research</i> , 2014, 29, 534-541.	3.1	33
70	Genome-wide association study for radiographic vertebral fractures: A potential role for the 16q24 BMD locus. <i>Bone</i> , 2014, 59, 20-27.	1.4	32
71	Maternal Vitamin D Status During Pregnancy and Bone Mass in Offspring at 20 Years of Age: A Prospective Cohort Study. <i>Journal of Bone and Mineral Research</i> , 2014, 29, 1088-1095.	3.1	119
72	Gender differences in the relationships between lean body mass, fat mass and peak bone mass in young adults. <i>Osteoporosis International</i> , 2014, 25, 1563-1570.	1.3	47

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73	Under-reporting of energy intake in elderly Australian women is associated with a higher body mass index. <i>Journal of Nutrition, Health and Aging</i> , 2013, 17, 112-118.	1.5	28
74	Association of Dairy Intake with Body Composition and Physical Function in Older Community-Dwelling Women. <i>Journal of the Academy of Nutrition and Dietetics</i> , 2013, 113, 1669-1674.	0.4	54
75	A Predictive Model for Knee Joint Replacement in Older Women. <i>PLoS ONE</i> , 2013, 8, e83665.	1.1	6
76	Long-term effects of a protein-enriched diet on blood pressure in older women. <i>British Journal of Nutrition</i> , 2012, 107, 1664-1672.	1.2	24
77	Calcium and bone. <i>Clinical Biochemistry</i> , 2012, 45, 936-942.	0.8	120
78	Genome-wide meta-analysis identifies 56 bone mineral density loci and reveals 14 loci associated with risk of fracture. <i>Nature Genetics</i> , 2012, 44, 491-501.	9.4	1,100
79	Assessment of gene-by-sex interaction effect on bone mineral density. <i>Journal of Bone and Mineral Research</i> , 2012, 27, 2051-2064.	3.1	47
80	Estimated glomerular filtration rate as an independent predictor of atherosclerotic vascular disease in older women. <i>BMC Nephrology</i> , 2012, 13, 58.	0.8	31
81	Adverse events from calcium supplementation: Relationship to errors in myocardial infarction self-reporting in randomized controlled trials of calcium supplementation. <i>Journal of Bone and Mineral Research</i> , 2012, 27, 719-722.	3.1	106
82	Response to misclassification does not explain increased cardiovascular risks of calcium supplements. <i>Journal of Bone and Mineral Research</i> , 2012, 27, 960-961.	3.1	3
83	Differences in structural geometrical outcomes at the neck of the proximal femur using two-dimensional DXA-derived projection (APEX) and three-dimensional QCT-derived (BIT QCT) techniques. <i>Osteoporosis International</i> , 2012, 23, 1393-1398.	1.3	21
84	Effects of three-monthly oral 150,000 IU cholecalciferol supplementation on falls, mobility, and muscle strength in older postmenopausal women: A randomized controlled trial. <i>Journal of Bone and Mineral Research</i> , 2012, 27, 170-176.	3.1	120
85	An in vivo comparison of hip structure analysis (HSA) with measurements obtained by QCT. <i>Osteoporosis International</i> , 2012, 23, 543-551.	1.3	50
86	Association between yogurt, milk, and cheese consumption and common carotid artery intima-media thickness and cardiovascular disease risk factors in elderly women. <i>American Journal of Clinical Nutrition</i> , 2011, 94, 234-239.	2.2	86
87	Habitual Chocolate Intake and Vascular Disease: A Prospective Study of Clinical Outcomes in Older Women. <i>Archives of Internal Medicine</i> , 2011, 170, 1857.	4.3	28
88	RESPONSE LETTER TO DRS. KALOOSTIAN AND SHIL. <i>Journal of the American Geriatrics Society</i> , 2011, 59, 771-772.	1.3	0
89	Calcium supplementation and the risks of atherosclerotic vascular disease in older women: Results of a 5-year RCT and a 4.5-year follow-up. <i>Journal of Bone and Mineral Research</i> , 2011, 26, 35-41.	3.1	176
90	Response to calcium supplements and cardiovascular risk. <i>Journal of Bone and Mineral Research</i> , 2011, 26, 900-901.	3.1	5

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91	The effects of a two-year randomized, controlled trial of whey protein supplementation on bone structure, IGF-1, and urinary calcium excretion in older postmenopausal women. <i>Journal of Bone and Mineral Research</i> , 2011, 26, 2298-2306.	3.1	81
92	â€œTimed Up and Go Test and Bone Mineral Density Measurement for Fracture Prediction. <i>Archives of Internal Medicine</i> , 2011, 171, 1655.	4.3	58
93	Protein Effects on Bone and Muscle in Elderly Women. , 2011, , 9-15.		0
94	Vitamin D Effects on Bone Structure in Childhood and Aging. , 2011, , 127-134.		0
95	Adequacy and change in nutrient and food intakes with aging in a seven-year cohort study in elderly women. <i>Journal of Nutrition, Health and Aging</i> , 2010, 14, 723-729.	1.5	59
96	A Randomized Controlled Trial of the Effects of Vitamin D on Muscle Strength and Mobility in Older Women with Vitamin D Insufficiency. <i>Journal of the American Geriatrics Society</i> , 2010, 58, 2063-2068.	1.3	137
97	Effects of multivitamin and mineral supplementation on adiposity, energy expenditure and lipid profiles in obese Chinese women. <i>International Journal of Obesity</i> , 2010, 34, 1070-1077.	1.6	74
98	Calcium Intake in Elderly Australian Women Is Inadequate. <i>Nutrients</i> , 2010, 2, 1036-1043.	1.7	8
99	The association between dietary protein intake and bone mass accretion in pubertal girls with low calcium intakes. <i>British Journal of Nutrition</i> , 2010, 103, 714-723.	1.2	28
100	Differences in satiety effects of alginate- and whey protein-based foods. <i>Appetite</i> , 2010, 54, 485-491.	1.8	58
101	Editorial was confusing. <i>BMJ: British Medical Journal</i> , 2010, 341, c4987-c4987.	2.4	2
102	The effects of high potassium consumption on bone mineral density in a prospective cohort study of elderly postmenopausal women. <i>Osteoporosis International</i> , 2009, 20, 335-340.	1.3	59
103	Relationship between vitamin D status, body composition and physical exercise of adolescent girls in Beijing. <i>Osteoporosis International</i> , 2009, 20, 417-425.	1.3	109
104	The effects of homocysteine and MTHFR genotype on hip bone loss and fracture risk in elderly women. <i>Osteoporosis International</i> , 2009, 20, 1183-1191.	1.3	35
105	Comparison of QCT-derived and DXA-derived areal bone mineral density and T scores. <i>Osteoporosis International</i> , 2009, 20, 1539-1545.	1.3	151
106	A cohort study of the effects of serum osteoprotegerin and osteoprotegerin gene polymorphisms on cardiovascular mortality in elderly women. <i>Clinical Endocrinology</i> , 2009, 71, 828-833.	1.2	15
107	A 5-Year Cohort Study of the Effects of High Protein Intake on Lean Mass and BMC in Elderly Postmenopausal Women. <i>Journal of Bone and Mineral Research</i> , 2009, 24, 1827-1834.	3.1	103
108	Low Vitamin D Status Has an Adverse Influence on Bone Mass, Bone Turnover, and Muscle Strength in Chinese Adolescent Girls. <i>Journal of Nutrition</i> , 2009, 139, 1002-1007.	1.3	138



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109	Growth and Bone Mineral Accretion During Puberty in Chinese Girls: A Five-Year Longitudinal Study. <i>Journal of Bone and Mineral Research</i> , 2008, 23, 167-172.	3.1	37
110	Randomized Controlled Trial of the Effects of Calcium With or Without Vitamin D on Bone Structure and Bone-Related Chemistry in Elderly Women With Vitamin D Insufficiency. <i>Journal of Bone and Mineral Research</i> , 2008, 23, 1343-1348.	3.1	82
111	Effects of Ergocalciferol Added to Calcium on the Risk of Falls in Elderly High-Risk Women. <i>Archives of Internal Medicine</i> , 2008, 168, 103.	4.3	186
112	Whole-Body Dual-Energy X-Ray Absorptiometry Comes of Age: Bone Structural Measures and Their Physiological Determinants in Anorexia Nervosa. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2008, 93, 1178-1180.	1.8	1
113	Effects of Calcium and Vitamin D Supplementation on Hip Bone Mineral Density and Calcium-Related Analytes in Elderly Ambulatory Australian Women: A Five-Year Randomized Controlled Trial. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2008, 93, 743-749.	1.8	107
114	Effects of two years' milk supplementation on size-corrected bone mineral density of Chinese girls. <i>Asia Pacific Journal of Clinical Nutrition</i> , 2008, 17 Suppl 1, 147-50.	0.3	7
115	Influence of body composition, muscle strength, diet and physical activity on total body and forearm bone mass in Chinese adolescent girls. <i>British Journal of Nutrition</i> , 2007, 98, 1281-1287.	1.2	52
116	Association of Back Pain Frequency With Mortality, Coronary Heart Events, Mobility, and Quality of Life in Elderly Women. <i>Spine</i> , 2007, 32, 2012-2018.	1.0	77
117	Growth, bone mass, and vitamin D status of Chinese adolescent girls 3 y after withdrawal of milk supplementation. <i>American Journal of Clinical Nutrition</i> , 2006, 83, 714-721.	2.2	68
118	Effects of school-milk intervention on growth and bone mineral accretion in Chinese girls aged 10-12 years: accounting for cluster randomisation. <i>British Journal of Nutrition</i> , 2005, 94, 1038-1039.	1.2	24
119	School-milk intervention trial enhances growth and bone mineral accretion in Chinese girls aged 10-12 years in Beijing. <i>British Journal of Nutrition</i> , 2004, 92, 159-168.	1.2	217
120	Bone mass in Chinese premenarcheal girls: the roles of body composition, calcium intake and physical activity. <i>British Journal of Nutrition</i> , 2004, 92, 985-993.	1.2	24