M Carola Zillikens

List of Publications by Year
in descending order

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125 papers	13,091 citations	53794 45 h-index	24982 109 g-index
128 all docs	128 docs citations	128 times ranked	20277 citing authors

#	Article	IF	Citations
1	Serum Phosphate, BMI, and Body Composition of Middle-Aged and Older Adults: A Cross-Sectional Association Analysis and Bidirectional Mendelian Randomization Study. Journal of Nutrition, 2022, 152, 276-285.	2.9	6
2	Early-Onset Osteoporosis. Calcified Tissue International, 2022, 110, 546-561.	3.1	34
3	Skin Autofluorescence, a Noninvasive Biomarker for Advanced Glycation End-products, Is Associated With Sarcopenia. Journal of Clinical Endocrinology and Metabolism, 2022, 107, e793-e803.	3.6	13
4	The association between hyperkyphosis and fall incidence among community-dwelling older adults. Osteoporosis International, 2022, 33, 403-411.	3.1	7
5	Bariatric surgery and skeletal health: A narrative review and position statement for management by the European Calcified Tissue Society (ECTS). Bone, 2022, 154, 116236.	2.9	30
6	Skin Autofluorescence, a Noninvasive Biomarker of Advanced Glycation End-products, Is Associated With Frailty: The Rotterdam Study. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2022, 77, 2032-2039.	3.6	5
7	Response to Letter to the Editor From Taguchi: â€œOsteonecrosis of the Jaw and Antiresorptive Agents in Benign and Malignant Diseases: A Critical Review Organized by the ECTSâ€. Journal of Clinical Endocrinology and Metabolism, 2022, , .	3.6	0
8	Osteonecrosis of the Jaw and Antiresorptive Agents in Benign and Malignant Diseases: A Critical Review Organized by the ECTS. Journal of Clinical Endocrinology and Metabolism, 2022, 107, 1441-1460.	3.6	35
9	The Association Between the Kyphosis Angle and Physical Performance in Community-Dwelling Older Adults. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2022, 77, 2298-2305.	3.6	5
10	Whole Exome Sequencing in Two <scp>Southeast</scp> Asian Families With Atypical Femur Fractures. JBMR Plus, 2022, 6, .	2.7	3
11	Associations of vitamin D deficiency with MRI markers of brain health in a community sample. Clinical Nutrition, 2021, 40, 72-78.	5.0	17
12	Fracture Risk and Management of Discontinuation of Denosumab Therapy: A Systematic Review and Position Statement by ECTS. Journal of Clinical Endocrinology and Metabolism, 2021, 106, 264-281.	3.6	132
13	Long-term effects of folic acid and vitamin-B12 supplementation on fracture risk and cardiovascular disease: Extended follow-up of the B-PROOF trial. Clinical Nutrition, 2021, 40, 1199-1206.	5.0	9
14	Type 2 Diabetes Mellitus and Vertebral Fracture Risk. Current Osteoporosis Reports, 2021, 19, 50-57.	3.6	20
15	Assessment of Advanced Glycation End Products and Receptors and the Risk of Dementia. JAMA Network Open, 2021, 4, e2033012.	5.9	29
16	Long-Term Morbidity and Health After Early Menopause Due to Oophorectomy in Women at Increased Risk of Ovarian Cancer: Protocol for a Nationwide Cross-Sectional Study With Prospective Follow-Up (HARMOny Study). JMIR Research Protocols, 2021, 10, e24414.	1.0	9
17	Genome-wide meta-analysis of muscle weakness identifies 15 susceptibility loci in older men and women. Nature Communications, 2021, 12, 654.	12.8	75
18	Hypercalcemia during pregnancy: management and outcomes for mother and child. Endocrine, 2021, 71, 604-610.	2.3	13

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19	Upstream Regulators of Fibroblast Growth Factor 23. Frontiers in Endocrinology, 2021, 12, 588096.	3.5	22
20	The Genetics of Atypical Femur Fracturesâ€"a Systematic Review. Current Osteoporosis Reports, 2021, 19, 123-130.	3.6	15
21	A Roadmap to Gene Discoveries and Novel Therapies in Monogenic Low and High Bone Mass Disorders. Frontiers in Endocrinology, 2021, 12, 709711.	3.5	13
22	Osteoporosis care during the COVID-19 pandemic in the Netherlands: A national survey. Archives of Osteoporosis, 2021, 16, 11.	2.4	18
23	Cortisol and Phosphate Homeostasis: Cushingâ€™s Syndrome Is Associated With Reversible Hypophosphatemia. Frontiers in Endocrinology, 2021, 12, 733793.	3.5	4
24	The Effects of Osteoporotic and Non-osteoporotic Medications on Fracture Risk and Bone Mineral Density. Drugs, 2021, 81, 1831-1858.	10.9	18
25	B-vitamins and body composition: integrating observational and experimental evidence from the B-PROOF study. European Journal of Nutrition, 2020, 59, 1253-1262.	3.9	8
26	Do Vitamin D Level and Dietary Calcium Intake Modify the Association Between Loop Diuretics and Bone Health?. Calcified Tissue International, 2020, 106, 104-114.	3.1	4
27	Vertebral Fractures in Individuals With Type 2 Diabetes: More Than Skeletal Complications Alone. Diabetes Care, 2020, 43, 137-144.	8.6	82
28	Medical Management of Patients After Atypical Femur Fractures: a Systematic Review and Recommendations From the European Calcified Tissue Society. Journal of Clinical Endocrinology and Metabolism, 2020, 105, 1682-1699.	3.6	53
29	Dietary Advanced Glycation End-Products (dAGEs) Intake and Bone Health: A Cross-Sectional Analysis in the Rotterdam Study. Nutrients, 2020, 12, 2377.	4.1	13
30	Skin Autofluorescence, a Noninvasive Biomarker for Advanced Glycation Endâ€Products, Is Associated With Prevalent Vertebral and Major Osteoporotic Fractures: The Rotterdam Study. Journal of Bone and Mineral Research, 2020, 35, 1904-1913.	2.8	28
31	The association between dietary and skin advanced glycation end products: the Rotterdam Study. American Journal of Clinical Nutrition, 2020, 112, 129-137.	4.7	24
32	Osteoporosis in Premenopausal Women: A Clinical Narrative Review by the ECTS and the IOF. Journal of Clinical Endocrinology and Metabolism, 2020, 105, 2487-2506.	3.6	35
33	The impact of thiazide diuretics on bone mineral density and the trabecular bone score: the Rotterdam Study. Bone, 2020, 138, 115475.	2.9	13
34	A Large Skull Defect Due to Gorham-Stout Disease: Case Report and Literature Review on Pathogenesis, Diagnosis, and Treatment. Frontiers in Endocrinology, 2020, 11, 37.	3.5	18
35	Letter to the Editor, Reacting to: â€œAPOE Îµ4 Carriers Have a Greater Propensity to Glycation and sRAGE Which Is Further Influenced by RAGE G82S Polymorphismâ€. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2020, 75, 1906-1907.	3.6	3
36	A multi-omics approach expands the mutational spectrum of MAP2K1-related melorheostosis. Bone, 2020, 137, 115406.	2.9	6

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37	Genome-wide meta-analysis of macronutrient intake of 91,114 European ancestry participants from the cohorts for heart and aging research in genomic epidemiology consortium. Molecular Psychiatry, 2019, 24, 1920-1932.	7.9	44
38	Effectiveness and safety of the tri-iodothyronine analogue Triac in children and adults with MCT8 deficiency: an international, single-arm, open-label, phase 2 trial. Lancet Diabetes and Endocrinology,the, 2019, 7, 695-706.	11.4	77
39	Detection of Atypical Femur Fractures. Journal of Clinical Densitometry, 2019, 22, 506-516.	1.2	16
40	Bone disease following solid organ transplantation: A narrative review and recommendations for management from The European Calcified Tissue Society. Bone, 2019, 127, 401-418.	2.9	33
41	Disentangling the genetics of lean mass. American Journal of Clinical Nutrition, 2019, 109, 276-287.	4.7	38
42	Meta-Analysis of Genomewide Association Studies Reveals Genetic Variants for Hip Bone Geometry. Journal of Bone and Mineral Research, 2019, 34, 1284-1296.	2.8	27
43	Diagnosis and Management of Paget's Disease of Bone in Adults: A Clinical Guideline. Journal of Bone and Mineral Research, 2019, 34, 579-604.	2.8	102
44	Protein-coding variants implicate novel genes related to lipid homeostasis contributing to body-fat distribution. Nature Genetics, 2019, 51, 452-469.	21.4	89
45	Omega-3 Fatty Acids and Genome-Wide Interaction Analyses Reveal DPP10â€“Pulmonary Function Association. American Journal of Respiratory and Critical Care Medicine, 2019, 199, 631-642.	5.6	14
46	The association between apathy, decline in physical performance, and falls in older persons. Aging Clinical and Experimental Research, 2019, 31, 1491-1499.	2.9	10
47	Are Bone Mineral Density and Fractures Related to the Incidence and Progression of Radiographic Osteoarthritis of the Knee, Hip, and Hand in Elderly Men and Women? The Rotterdam Study. Arthritis and Rheumatology, 2019, 71, 361-369.	5.6	22
48	Trabecular Bone Score and Hip Structural Analysis in Patients With Atypical Femur Fractures. Journal of Clinical Densitometry, 2019, 22, 257-265.	1.2	7
49	Hydroxychloroquine decreases human <scp>MSC</scp>â€derived osteoblast differentiation and mineralization in vitro. Journal of Cellular and Molecular Medicine, 2018, 22, 873-882.	3.6	11
50	Sarcopenia and Its Clinical Correlates in the General Population: The Rotterdam Study. Journal of Bone and Mineral Research, 2018, 33, 1209-1218.	2.8	51
51	Life-Course Genome-wide Association Study Meta-analysis of Total Body BMD and Assessment of Age-Specific Effects. American Journal of Human Genetics, 2018, 102, 88-102.	6.2	252
52	Genetic Risk Factors for Atypical Femoral Fractures (AFFs): A Systematic Review. JBMR Plus, 2018, 2, 1-11.	2.7	58
53	Hydroxychloroquine affects bone resorption both in vitro and in vivo. Journal of Cellular Physiology, 2018, 233, 1424-1433.	4.1	19
54	Genomeâ€Wide Interactions with Dairy Intake for Body Mass Index in Adults of European Descent. Molecular Nutrition and Food Research, 2018, 62, 1700347.	3.3	9

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55	Dairy Consumption and Body Mass Index Among Adults: Mendelian Randomization Analysis of 184802 Individuals from 25 Studies. Clinical Chemistry, 2018, 64, 183-191.	3.2	34
56	Serum phosphate levels are related to all-cause, cardiovascular and COPD mortality in men. European Journal of Epidemiology, 2018, 33, 859-871.	5.7	39
57	The physiology of endocrine systems with ageing. Lancet Diabetes and Endocrinology,the, 2018, 6, 647-658.	11.4	192
58	Certainties and Uncertainties About Denosumab Discontinuation. Calcified Tissue International, 2018, 103, 1-4.	3.1	22
59	Vitamin D and body composition in the elderly. Clinical Nutrition, 2017, 36, 585-592.	5.0	27
60	Serum Phosphate Is Associated With Fracture Risk: The Rotterdam Study and MrOS. Journal of Bone and Mineral Research, 2017, 32, 1182-1193.	2.8	40
61	Management of Aromatase Inhibitor-Associated Bone Loss (AIBL) in postmenopausal women with hormone sensitive breast cancer: Joint position statement of the IOF, CABS, ECTS, IEG, ESCEO, IMS, and SIOG. Journal of Bone Oncology, 2017, 7, 1-12.	2.4	181
62	Screening for Atypical Femur Fractures Using Extended Femur Scans by DXA. Journal of Bone and Mineral Research, 2017, 32, 1632-1639.	2.8	35
63	Genome-wide meta-analysis of 241,258 adults accounting for smoking behaviour identifies novel loci for obesity traits. Nature Communications, 2017, 8, 14977.	12.8	169
64	Betaâ€blocker use and fall risk in older individuals: Original results from two studies with metaâ€analysis. British Journal of Clinical Pharmacology, 2017, 83, 2292-2302.	2.4	27
65	CYP2C9 Genotypes Modify Benzodiazepine-Related Fall Risk: Original Results From Three Studies With Meta-Analysis. Journal of the American Medical Directors Association, 2017, 18, 88.e1-88.e15.	2.5	19
66	Fractures in patients with CKDâ€"diagnosis, treatment, and prevention: a review by members of the European Calcified Tissue Society and the European Renal Association of Nephrology Dialysis and Transplantation. Kidney International, 2017, 92, 1343-1355.	5.2	151
67	Vitamin D and the Risk of Dementia: TheÂRotterdam Study. Journal of Alzheimer's Disease, 2017, 60, 989-997.	2.6	57
68	Low-Frequency Synonymous Coding Variation in CYP2R1 Has Large Effects on Vitamin D Levels and Risk of Multiple Sclerosis. American Journal of Human Genetics, 2017, 101, 227-238.	6.2	112
69	Large meta-analysis of genome-wide association studies identifies five loci for lean body mass. Nature Communications, 2017, 8, 80.	12.8	147
70	Discontinuation of Denosumab therapy for osteoporosis: A systematic review and position statement by ECTS. Bone, 2017, 105, 11-17.	2.9	373
71	Exercise, fasting, and mimetics: toward beneficial combinations?. FASEB Journal, 2017, 31, 14-28.	0.5	36
72	Genome-wide physical activity interactions in adiposity â€• A meta-analysis of 200,452 adults. PLoS Genetics, 2017, 13, e1006528.	3.5	158

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73	Quantitative imaging methods in osteoporosis. Quantitative Imaging in Medicine and Surgery, 2016, 6, 680-698.	2.0	74
74	Novel Compound Heterozygous Mutations in the CYP27B1 Gene Lead to Pseudovitamin D-Deficient Rickets. Calcified Tissue International, 2016, 99, 326-331.	3.1	7
75	<scp>GWAS</scp> analysis of handgrip and lower body strength in older adults in the <scp>CHARGE</scp> consortium. Aging Cell, 2016, 15, 792-800.	6.7	51
76	Atypical femur fracture in an adolescent boy treated with bisphosphonates for X-linked osteoporosis based on PLS3 mutation. Bone, 2016, 91, 148-151.	2.9	23
77	A principal component meta-analysis on multiple anthropometric traits identifies novel loci for body shape. Nature Communications, 2016, 7, 13357.	12.8	74
78	New loci for body fat percentage reveal link between adiposity and cardiometabolic disease risk. Nature Communications, 2016, 7, 10495.	12.8	245
79	Bone Mineral Density in SjÃ¶gren Syndrome Patients with and Without Distal Renal Tubular Acidosis. Calcified Tissue International, 2016, 98, 573-579.	3.1	9
80	The Influence of Serum Uric Acid on Bone Mineral Density, Hip Geometry, and Fracture Risk: The Rotterdam Study. Journal of Clinical Endocrinology and Metabolism, 2016, 101, 1113-1122.	3.6	41
81	A Randomized Controlled Trial to Examine the Effect of 2-Year Vitamin B12 and Folic Acid Supplementation on Physical Performance, Strength, and Falling: Additional Findings from the B-PROOF Study. Calcified Tissue International, 2016, 98, 18-27.	3.1	33
82	Genetics of Osteoporotic Vertebral Fractures. Journal of Clinical Densitometry, 2016, 19, 23-28.	1.2	2
83	Risk of Frailty in Elderly With COPD: A Population-Based Study. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2016, 71, 689-695.	3.6	130
84	Osteoporotic Vertebral Fractures as Part of Systemic Disease. Journal of Clinical Densitometry, 2016, 19, 70-80.	1.2	7
85	25-Hydroxyvitamin D and osteoarthritis: A meta-analysis including new data. Seminars in Arthritis and Rheumatism, 2016, 45, 539-546.	3.4	36
86	ï¿½Atypicalï¿½ atypical femur fractures and use of bisphosphonates. Clinical Cases in Mineral and Bone Metabolism, 2016, 13, 204-208.	1.0	7
87	Lifelong challenge of calcium homeostasis in male mice lacking TRPV5 leads to changes in bone and calcium metabolism. Oncotarget, 2016, 7, 24928-24941.	1.8	6
88	Development of a Food Group-Based Diet Score and Its Association with Bone Mineral Density in the Elderly: The Rotterdam Study. Nutrients, 2015, 7, 6974-6990.	4.1	22
89	The Influence of Age and Sex on Genetic Associations with Adult Body Size and Shape: A Large-Scale Genome-Wide Interaction Study. PLoS Genetics, 2015, 11, e1005378.	3.5	331
90	Gene Ã— dietary pattern interactions in obesity: analysis of up to 68 317 adults of European ancestry. Human Molecular Genetics, 2015, 24, 4728-4738.	2.9	84

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91	Non-linear associations between serum 25-OH vitamin D and indices of arterial stiffness and arteriosclerosis in an older population. Age and Ageing, 2015, 44, 136-142.	1.6	26
92	Bone health and coronary artery calcification: The Rotterdam Study. Atherosclerosis, 2015, 241, 278-283.	0.8	37
93	Health in middle-aged and elderly women: A conceptual framework for healthy menopause. Maturitas, 2015, 81, 93-98.	2.4	60
94	Wholeâ€genome sequencing identifies EN1 as a determinant of bone density and fracture. Nature, 2015, 526, 112-117.	27.8	483
95	The Association between Metabolic Syndrome, Bone Mineral Density, Hip Bone Geometry and Fracture Risk: The Rotterdam Study. PLoS ONE, 2015, 10, e0129116.	2.5	58
96	Vitamin D and C-Reactive Protein: A Mendelian Randomization Study. PLoS ONE, 2015, 10, e0131740.	2.5	61
97	Phenotypic Dissection of Bone Mineral Density Reveals Skeletal Site Specificity and Facilitates the Identification of Novel Loci in the Genetic Regulation of Bone Mass Attainment. PLoS Genetics, 2014, 10, e1004423.	3.5	134
98	Effect of daily vitamin B-12 and folic acid supplementation on fracture incidence in elderly individuals with an elevated plasma homocysteine concentration: B-PROOF, a randomized controlled trial. American Journal of Clinical Nutrition, 2014, 100, 1578-1586.	4.7	76
99	FTO genetic variants, dietary intake and body mass index: insights from 177 330 individuals. Human Molecular Genetics, 2014, 23, 6961-6972.	2.9	143
100	Genome-wide association study for radiographic vertebral fractures: A potential role for the 16q24 BMD locus. Bone, 2014, 59, 20-27.	2.9	32
101	Osteoporotic Vertebral Fractures During Pregnancy: Be Aware of a Potential Underlying Genetic Cause. Journal of Clinical Endocrinology and Metabolism, 2014, 99, 1107-1111.	3.6	41
102	Bone Mineral Density and Chronic Lung Disease Mortality: The Rotterdam Study. Journal of Clinical Endocrinology and Metabolism, 2014, 99, 1834-1842.	3.6	23
103	Adverse outcomes of frailty in the elderly: the Rotterdam Study. European Journal of Epidemiology, 2014, 29, 419-427.	5.7	88
104	A Meta-Analysis of the Association of Fracture Risk and Body Mass Index in Women. Journal of Bone and Mineral Research, 2014, 29, 223-233.	2.8	388
105	Abstract 21: Accounting For Smoking Behavior In Genome-wide Analysis Of Obesity Phenotypes: The Giant (genetic Investigation Of Anthropometric Traits) Consortium. Circulation, 2014, 129, .	1.6	0
106	Genome-wide association study for radiographic vertebral fractures: a potential role for the 16q24 BMD locus. Bone, 2014, 59, 20-7.	2.9	17
107	PLS3 Mutations in X-Linked Osteoporosis with Fractures. New England Journal of Medicine, 2013, 369, 1529-1536.	27.0	171
108	Review of radiological scoring methods of osteoporotic vertebral fractures for clinical and research settings. European Radiology, 2013, 23, 476-486.	4.5	67

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109	High Bone Mineral Density and Fracture Risk in Type 2 Diabetes as Skeletal Complications of Inadequate Glucose Control. Diabetes Care, 2013, 36, 1619-1628.	8.6	309
110	Multi-functionality of computer-aided quantitative vertebral fracture morphometry analyses. Quantitative Imaging in Medicine and Surgery, 2013, 3, 249-55.	2.0	9
111	Meta-Analysis of Genome-Wide Scans for Total Body BMD in Children and Adults Reveals Allelic Heterogeneity and Age-Specific Effects at the WNT16 Locus. PLoS Genetics, 2012, 8, e1002718.	3.5	142
112	Variants in the SIRT1 Gene May Affect Diabetes Risk in Interaction With Prenatal Exposure to Famine. Diabetes Care, 2012, 35, 424-426.	8.6	44
113	Hyponatremia and bone: an emerging relationship. Nature Reviews Endocrinology, 2012, 8, 33-39.	9.6	45
114	Genome-wide meta-analysis identifies 56 bone mineral density loci and reveals 14 loci associated with risk of fracture. Nature Genetics, 2012, 44, 491-501.	21.4	1,100
115	Reply to the letter to the editor by Papadimas et al.: â€œBone mineral density in adult patients with Pompe diseaseâ€. Bone, 2011, 48, 418-419.	2.9	1
116	Rationale and design of the B-PROOF study, a randomized controlled trial on the effect of supplemental intake of vitamin B12and folic acid on fracture incidence. BMC Geriatrics, 2011, 11, 80.	2.7	83
117	Mild hyponatremia as a risk factor for fractures: The rotterdam study. Journal of Bone and Mineral Research, 2011, 26, 1822-1828.	2.8	229
118	The Role of Body Mass Index, Insulin, and Adiponectin in the Relation Between Fat Distribution and Bone Mineral Density. Calcified Tissue International, 2010, 86, 116-125.	3.1	68
119	Association analyses of 249,796 individuals reveal 18 new loci associated with body mass index. Nature Genetics, 2010, 42, 937-948.	21.4	2,634
120	Interactions between dietary vitamin E intake and SIRT1 genetic variation influence body mass index. American Journal of Clinical Nutrition, 2010, 91, 1387-1393.	4.7	24
121	Low bone mass in Pompe disease. Bone, 2010, 47, 643-649.	2.9	53
122	SIRT1 Genetic Variation Is Related to BMI and Risk of Obesity. Diabetes, 2009, 58, 2828-2834.	0.6	118
123	SIRT1 genetic variation and mortality in type 2 diabetes: interaction with smoking and dietary niacin. Free Radical Biology and Medicine, 2009, 46, 836-841.	2.9	44
124	Six new loci associated with body mass index highlight a neuronal influence on body weight regulation. Nature Genetics, 2009, 41, 25-34.	21.4	1,572
125	Extracapsular Hemorrhage from a Parathyroid Adenoma. New England Journal of Medicine, 2008, 359, 1155-1155.	27.0	6