

Malachi John McKenna

List of Publications by Citations

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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.

112
papers

2,309
citations

27
h-index

45
g-index

119
ext. papers

2,627
ext. citations

4.4
avg, IF

4.86
L-index

#	Paper	IF	Citations
112	Differences in vitamin D status between countries in young adults and the elderly. <i>American Journal of Medicine</i> , 1992 , 93, 69-77	2.4	499
111	Hypovitaminosis D and elevated serum alkaline phosphatase in elderly Irish people. <i>American Journal of Clinical Nutrition</i> , 1985 , 41, 101-9	7	102
110	Bone loss and bone turnover in diabetes. <i>Diabetes</i> , 1995 , 44, 775-782	0.9	95
109	Secondary hyperparathyroidism in elderly people: combined effect of renal insufficiency and vitamin D deficiency. <i>American Journal of Clinical Nutrition</i> , 1993 , 58, 187-91	7	87
108	MON-447 Impact Of Cortisone And Glucocorticoid Metabolites On Bone Turnover Markers in Male Patients With Hypopituitarism. <i>Journal of the Endocrine Society</i> , 2019 , 3,	0.4	78
107	Bone density, vitamin D status, and disordered bone remodeling in end-stage chronic liver disease. <i>Calcified Tissue International</i> , 1999 , 64, 295-300	3.9	73
106	Adaptor protein-2 sigma subunit mutations causing familial hypocalciuric hypercalcaemia type 3 (FHH3) demonstrate genotype-phenotype correlations, codon bias and dominant-negative effects. <i>Human Molecular Genetics</i> , 2015 , 24, 5079-92	5.6	53
105	Vitamin D nutritional status in preterm infants and response to supplementation. <i>British Journal of Nutrition</i> , 2013 , 110, 156-63	3.6	50
104	An association between abnormal bone turnover, systemic inflammation, and osteoporosis in patients with chronic pancreatitis: a case-matched study. <i>American Journal of Gastroenterology</i> , 2015 , 110, 336-45	0.7	49
103	Vitamin D supplementation in the elderly: review of safety and effectiveness of different regimes. <i>Calcified Tissue International</i> , 1995 , 56, 518-20	3.9	49
102	The Association of Vitamin D Status with Acute Respiratory Morbidity in Preterm Infants. <i>Journal of Pediatrics</i> , 2015 , 166, 1175-1180.e1	3.6	48
101	Predicting bone loss following orthotopic liver transplantation. <i>Gut</i> , 1999 , 44, 430-4	19.2	48
100	Atypical insufficiency fractures confused with Looser zones of osteomalacia. <i>Bone</i> , 1987 , 8, 71-8	4.7	45
99	Novel instrumentation for real-time monitoring using miniaturized flow systems with integrated biosensors. <i>Annals of Clinical Biochemistry</i> , 1997 , 34 (Pt 3), 291-302	2.2	43
98	The effect of narrowband UV-B treatment for psoriasis on vitamin D status during wintertime in Ireland. <i>Archives of Dermatology</i> , 2010 , 146, 836-42		41
97	Sensory testing versus nerve conduction velocity in diabetic polyneuropathy. <i>Muscle and Nerve</i> , 1992 , 15, 1334-9	3.4	39
96	Screening for thyroid disease in children with IDDM. <i>Diabetes Care</i> , 1990 , 13, 801-3	14.6	37

95	Incomplete atypical femoral fractures: assessing the diagnostic utility of DXA by extending femur length. <i>Journal of Clinical Densitometry</i> , 2013 , 16, 579-83	3.5	36
94	Vitamin D status and fertility outcomes during winter among couples undergoing in vitro fertilization/intracytoplasmic sperm injection. <i>International Journal of Gynecology and Obstetrics</i> , 2016 , 135, 172-176	4	31
93	Vitamin D and neonatal immune function. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2013 , 26, 639-46	2	31
92	Vitamin D dose response is underestimated by Endocrine Society's Clinical Practice Guideline. <i>Endocrine Connections</i> , 2013 , 2, 87-95	3.5	31
91	Prevention of hypovitaminosis D in the elderly. <i>Calcified Tissue International</i> , 1985 , 37, 112-116	3.9	31
90	Cinacalcet for Symptomatic Hypercalcemia Caused by AP2S1 Mutations. <i>New England Journal of Medicine</i> , 2016 , 374, 1396-1398	59.2	29
89	Inadequate vitamin D levels are associated with culture positive sepsis and poor outcomes in paediatric intensive care. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2015 , 104, e433-8	3.1	29
88	Effect of chronic hepatitis C virus infection on bone disease in postmenopausal women. <i>Clinical Gastroenterology and Hepatology</i> , 2009 , 7, 894-9	6.9	28
87	High bone turnover in Irish professional jockeys. <i>Osteoporosis International</i> , 2010 , 21, 521-5	5.3	28
86	Pregnancy in dark winters: implications for fetal bone growth?. <i>Fertility and Sterility</i> , 2013 , 99, 206-211	4.8	27
85	Relationship between vitamin D knowledge and 25-hydroxyvitamin D levels amongst pregnant women. <i>Journal of Human Nutrition and Dietetics</i> , 2014 , 27, 261-9	3.1	27
84	The relationship between maternal and fetal vitamin D, insulin resistance, and fetal growth. <i>Reproductive Sciences</i> , 2013 , 20, 536-41	3	27
83	In vitro optimisation of a microdialysis system with potential for on-line monitoring of lactate and glucose in biological samples. <i>Analyst, The</i> , 1997 , 122, 185-9	5	23
82	Clinician approach to diagnosis of stress fractures including bisphosphonate-associated fractures. <i>QJM - Monthly Journal of the Association of Physicians</i> , 2014 , 107, 99-105	2.7	22
81	Rising trend in vitamin D status from 1993 to 2013: dual concerns for the future. <i>Endocrine Connections</i> , 2015 , 4, 163-71	3.5	21
80	Periarticular bone gain at proximal interphalangeal joints and changes in bone turnover markers in response to tumor necrosis factor inhibitors in rheumatoid and psoriatic arthritis. <i>Journal of Rheumatology</i> , 2013 , 40, 653-62	4.1	21
79	Favorable effect of immunomodulator therapy on bone mineral density in multiple sclerosis. <i>Irish Journal of Medical Science</i> , 2009 , 178, 43-5	1.9	20
78	Histomorphometric study of mast cells in normal bone, osteoporosis and mastocytosis using a new stain. <i>Calcified Tissue International</i> , 1994 , 55, 257-9	3.9	20

77	Emerging trends in hospitalisation for fragility fractures in Ireland. <i>Irish Journal of Medical Science</i> , 2018 , 187, 601-608	1.9	19
76	Determination of ionised calcium by ion selective electrode is not independent of albumin concentration. <i>Clinica Chimica Acta</i> , 1986 , 158, 129-37	6.2	19
75	Medical Management of Patients After Atypical Femur Fractures: a Systematic Review and Recommendations From the European Calcified Tissue Society. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020 , 105,	5.6	18
74	Vitamin D status in hidradenitis suppurativa. <i>British Journal of Dermatology</i> , 2014 , 170, 1379-80	4	17
73	Bone mineral density in diabetes. <i>Diabetes Care</i> , 1997 , 20, 1339-40	14.6	17
72	Hormonal influences on osteoporosis. <i>American Journal of Medicine</i> , 1987 , 82, 61-7	2.4	17
71	Bone mineral density in cystic fibrosis: benefit of exercise capacity. <i>Journal of Clinical Densitometry</i> , 2008 , 11, 537-42	3.5	16
70	Vitamin D status in Irish children and adolescents: value of fortification and supplementation. <i>Clinical Pediatrics</i> , 2014 , 53, 1345-51	1.2	13
69	Low-dose hydrocortisone replacement therapy is associated with improved bone remodelling balance in hypopituitary male patients. <i>European Journal of Endocrinology</i> , 2014 , 170, 141-50	6.5	13
68	The impact of diet, body composition, and physical activity on child bone mineral density at five years of age-findings from the ROLO Kids Study. <i>European Journal of Pediatrics</i> , 2020 , 179, 121-131	4.1	13
67	Dermatitis herpetiformis: no evidence of bone disease despite evidence of enteropathy. <i>Digestive Diseases and Sciences</i> , 2007 , 52, 659-64	4	12
66	Striking difference of periarticular bone density change in early psoriatic arthritis and rheumatoid arthritis following anti-rheumatic treatment as measured by digital X-ray radiogrammetry. <i>Rheumatology</i> , 2016 , 55, 891-6	3.9	12
65	Hungry bones without hypocalcaemia following parathyroidectomy. <i>Journal of Bone and Mineral Metabolism</i> , 2005 , 23, 514-5	2.9	11
64	Calcium intake in winter pregnancy attenuates impact of vitamin D inadequacy on urine NTX, a marker of bone resorption. <i>European Journal of Nutrition</i> , 2018 , 57, 1015-1023	5.2	10
63	Detection of Atypical Femur Fractures. <i>Journal of Clinical Densitometry</i> , 2019 , 22, 506-516	3.5	9
62	Increased bone resorption and failure to respond to antiresorptive therapy in progressive dystrophic calcification. <i>Calcified Tissue International</i> , 2003 , 73, 433-40	3.9	9
61	DIABETIC KETOACIDOSIS IN PATIENTS WITH TYPE 2 DIABETES RECENTLY COMMENCED ON SGLT-2 INHIBITORS: AN ONGOING CONCERN. <i>Endocrine Practice</i> , 2017 , 23, 506-508	3.2	9
60	Identifying Incomplete Atypical Femoral Fractures With Single-Energy Absorptiometry: Declining Prevalence. <i>Journal of the Endocrine Society</i> , 2017 , 1, 211-220	0.4	8

59	Season and vitamin D status are independently associated with glucose homeostasis in pregnancy. <i>Nutrition and Metabolism</i> , 2017 , 14, 50	4.6	8
58	Validating the association between plasma tumour necrosis factor receptor 1 levels and the presence of renal injury and functional decline in patients with Type 2 diabetes. <i>Journal of Diabetes and Its Complications</i> , 2018 , 32, 95-99	3.2	8
57	Hungry bone syndrome and normalisation of renal phosphorus threshold after total parathyroidectomy for tertiary hyperparathyroidism in X-linked hypophosphataemia: a case report. <i>Journal of Medical Case Reports</i> , 2014 , 8, 84	1.2	8
56	Microalbuminuria in Clinical Practice. <i>Archives of Internal Medicine</i> , 1991 , 151, 1745		8
55	Zoledronate in the prevention of Paget's (ZiPP): protocol for a randomised trial of genetic testing and targeted zoledronic acid therapy to prevent -mediated Paget's disease of bone. <i>BMJ Open</i> , 2019 , 9, e030689	3	8
54	Congenital hypophosphataemia in adults: determinants of bone turnover markers and amelioration of renal phosphate wasting following total parathyroidectomy. <i>Journal of Bone and Mineral Metabolism</i> , 2019 , 37, 685-693	2.9	8
53	Osteogenesis imperfecta in adults: phenotypic characteristics and response to treatment in an Irish cohort. <i>Irish Journal of Medical Science</i> , 2014 , 183, 225-30	1.9	6
52	Weight changes in type 2 diabetes and the impact of gender. <i>Diabetes, Obesity and Metabolism</i> , 2008 , 10, 726-32	6.7	6
51	Arterial hypertension, nifedipine, and myasthenia gravis. <i>Muscle and Nerve</i> , 1993 , 16, 797	3.4	6
50	Elevated circulating osteoprotegerin and reduced matrix-metalloprotease-9 in post-menopausal women with chronic Hepatitis C virus infection. <i>Cytokine</i> , 2012 , 60, 328-33	4	5
49	Dependence of measured ionized calcium on protein concentration as measured by three ion-selective electrodes. <i>Annals of Clinical Biochemistry</i> , 1992 , 29 (Pt 4), 443-9	2.2	5
48	Association between vitamin D status in early pregnancy and atopy in offspring in a vitamin D deplete cohort. <i>Irish Journal of Medical Science</i> , 2020 , 189, 563-570	1.9	5
47	Correction of vitamin D deficiency in a cohort of newborn infants using daily 200IU vitamin D supplementation. <i>Irish Journal of Medical Science</i> , 2016 , 185, 683-687	1.9	4
46	Characteristics of Early Paget's Disease in SQSTM1 Mutation Carriers: Baseline Analysis of the ZiPP Study Cohort. <i>Journal of Bone and Mineral Research</i> , 2020 , 35, 1246-1252	6.3	4
45	Limited utility of tartrate-resistant acid phosphatase isoform 5b in assessing response to therapy in osteoporosis. <i>Irish Journal of Medical Science</i> , 2014 , 183, 47-52	1.9	4
44	Towards evidence based medicine for paediatricians. Question 2. What is the ideal dose of vitamin D supplementation for term neonates?. <i>Archives of Disease in Childhood</i> , 2012 , 97, 387-9	2.2	4
43	Renal Phosphate Handling: Independent Effects of Circulating FGF23, PTH, and Calcium. <i>JBMR Plus</i> , 2021 , 5, e10437	3.9	4
42	Anorexia Nervosa with Markedly High Bone Turnover and Hyperphosphatemia During Refeeding Rectified by Denosumab. <i>Osteoporosis International</i> , 2020 , 31, 1395-1398	5.3	3

41	Analysing the effect of multiple sclerosis on vitamin D related biochemical markers of bone remodelling. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2018 , 177, 91-95	5.1	3
40	Sensory testing is different in laboratory personnel compared with paid volunteers. <i>Muscle and Nerve</i> , 1995 , 18, 351-2	3.4	3
39	Osteomalacia--a clinical review of 46 cases. <i>Irish Journal of Medical Science</i> , 1985 , 154, 449-54	1.9	3
38	Vitamin D Deficiency 2014 , 293-304		3
37	Parallel assessment of albuminuria and plasma sTNFR1 in people with type 2 diabetes and advanced chronic kidney disease provides accurate prognostication of the risks of renal decline and death. <i>Scientific Reports</i> , 2020 , 10, 14852	4.9	3
36	An exploratory analysis of associations of diet, sun exposure, and body composition with 25OHD at five years of age: Findings from the ROLO Kids Study. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2019 , 188, 111-116	5.1	3
35	Bisphosphonate induced osteonecrosis of the jaws: unravelling uncertainty in disease causality. <i>Acta Oncologica</i> , 2007 , 46, 702-4	3.2	2
34	Risk of venous thrombosis with hormone replacement therapy. <i>Lancet, The</i> , 1996 , 348, 1668	4.0	2
33	Quantitative sensory testing (QST). <i>Muscle and Nerve</i> , 1996 , 19, 403-4	3.4	2
32	The prevalence of microalbuminuria and associated risk factors in a population with insulin-dependent diabetes mellitus. <i>Irish Journal of Medical Science</i> , 1993 , 162, 318-20	1.9	2
31	Osteosclerotic metastases with severe hypocalcemia, parathyroid hormone resistance, anemia, and cardiac failure. <i>American Journal of Medicine</i> , 1988 , 84, 175-6	2.4	2
30	Growth hormone replacement may influence the biological action of thyroid hormone on liver and bone tissue. <i>Growth Hormone and IGF Research</i> , 2021 , 57-58, 101393	2	2
29	Laboratory trend in vitamin D status in Ireland: Dual concerns about low and high 25OHD. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2019 , 186, 105-109	5.1	2
28	Defining Hypovitaminosis D in the Elderly 1998 , 268-277		2
27	Multiple Looser zones of osteomalacia in Byler disease with associated vitamin D deficiency, phosphaturia, and elevated FGF23. <i>International Journal of Surgery Case Reports</i> , 2016 , 19, 150-3	0.8	1
26	Blood pressure in pregnancy-A stress test for hypertension? Five-year, prospective, follow-up of the ROLO study. <i>Clinical Endocrinology</i> , 2019 , 91, 816-823	3.4	1
25	Immunomodulators for multiple sclerosis may ameliorate spinal bone loss. <i>Irish Journal of Medical Science</i> , 2013 , 182, 29-32	1.9	1
24	Proposed new approach for treating Paget's disease of bone. <i>Irish Journal of Medical Science</i> , 2011 , 180, 121-4	1.9	1

23	Osteoporosis prevention: from vitamin D to HRT. <i>Irish Journal of Medical Science</i> , 1997 , 166, 143-8	1.9	1
22	A potential anatomic cause of mandibular osteonecrosis in patients receiving bisphosphonate treatment. <i>Mayo Clinic Proceedings</i> , 2007 , 82, 134; author reply 134-5	6.4	1
21	Case report: renal osteodystrophy in association with spinal stenosis in achondroplasia. <i>Irish Journal of Medical Science</i> , 1996 , 165, 155-6	1.9	1
20	Evaluation of a new chemical dip strip for detecting ketonemia in the emergency setting. <i>American Journal of Emergency Medicine</i> , 1987 , 5, 393-4	2.9	1
19	The contribution of serum cortisone and glucocorticoid metabolites to detrimental bone health in patients receiving hydrocortisone therapy. <i>BMC Endocrine Disorders</i> , 2020 , 20, 154	3.3	1
18	Should denosumab treatment for osteoporosis be continued indefinitely?. <i>Therapeutic Advances in Endocrinology and Metabolism</i> , 2021 , 12, 20420188211010052	4.5	1
17	No effect of calcium and vitamin D intake on maternal blood pressure in a healthy pregnant population. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2021 , 264, 8-14	2.4	1
16	Should Dual-Energy X-ray Absorptiometry Technologists Estimate Dietary Calcium Intake at the Time of DXA?. <i>Journal of Clinical Densitometry</i> , 2016 , 19, 171-3	3.5	0
15	An examination of whether associations exist between maternal and neonatal 25OHD and infant size and adiposity at birth, 6-9 months and 2-2.5 years of age - a longitudinal observational study from the ROLO study. <i>BMC Nutrition</i> , 2017 , 3, 62	2.5	0
14	Noninvasive testing in the diagnosis of osteomalacia. <i>American Journal of Medicine</i> , 1995 , 99, 107-8	2.4	0
13	High bone turnover and hyperparathyroidism after surgery for tumor-induced osteomalacia: A case series.. <i>Bone Reports</i> , 2021 , 15, 101142	2.6	0
12	Nutrition policy: developing scientific recommendations for food-based dietary guidelines for older adults living independently in Ireland.. <i>Proceedings of the Nutrition Society</i> , 2022 , 1-27	2.9	0
11	Twelve-weeks Oral Spray Vitamin D3 Supplementation Does Not Alter Bone Turnover Markers In Collegiate Gaelic Footballers. <i>Medicine and Science in Sports and Exercise</i> , 2017 , 49, 105	1.2	
10	Vitamin D deficiency is associated with altered hematologic indexes in very low birth weight infants. <i>Journal of Pediatrics</i> , 2011 , 158, 687; author reply 687-8	3.6	
9	Response to the letter from Kampmann and Steffensen. <i>Irish Journal of Medical Science</i> , 2009 , 178, 237-238		
8	Masked hypercalcaemia. <i>Postgraduate Medical Journal</i> , 2000 , 76, 117-9	2	
7	Bone mineral density in non-insulin-dependent diabetes mellitus. <i>Annals of Internal Medicine</i> , 1995 , 123, 731	8	
6	Neuropathy endpoints. <i>Neurology</i> , 1996 , 46, 1193	6.5	

- 5 Evaluation of impact on diabetic control of increased surveillance, and of human and U-100 insulins. *Irish Journal of Medical Science*, **1987**, 156, 347-52 1.9
- 4 Bedside assessment of hypercalcaemia. *Irish Journal of Medical Science*, **1988**, 157, 339-43 1.9
- 3 RESPONSE LETTER. *Endocrine Practice*, **2018**, 24, 127 3.2
- 2 Vitamin D Deficiency **2022**, 245-256
- 1 No effect of maternal calcium intake and bone resorption during pregnancy on offspring bone mineral density at age 5 years. *Osteoporosis International*, **2021**, 33, 1165 5.3