Thomas O Carpenter

List of Publications by Year
in descending order

88	6,126	71102 41	71685 76
papers	citations	h-index	g-index

95	95	95	4192
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A clinician's guide to X-linked hypophosphatemia. Journal of Bone and Mineral Research, 2011, 26, 1381-1388.	2.8	476
2	SLC34A3 Mutations in Patients with Hereditary Hypophosphatemic Rickets with Hypercalciuria Predict a Key Role for the Sodium-Phosphate Cotransporter NaPi-IIc in Maintaining Phosphate Homeostasis. American Journal of Human Genetics, 2006, 78, 179-192.	6.2	422
3	Burosumab Therapy in Children with X-Linked Hypophosphatemia. New England Journal of Medicine, 2018, 378, 1987-1998.	27.0	339
4	Randomized trial of the anti-FGF23 antibody KRN23 in X-linked hypophosphatemia. Journal of Clinical Investigation, 2014, 124, 1587-1597.	8.2	264
5	A Randomized, Double-Blind, Placebo-Controlled, Phase 3 Trial Evaluating the Efficacy of Burosumab, an Anti-FGF23 Antibody, in Adults With X-Linked Hypophosphatemia: Week 24 Primary Analysis. Journal of Bone and Mineral Research, 2018, 33, 1383-1393.	2.8	229
6	A translocation causing increased Î±-Klotho level results in hypophosphatemic rickets and hyperparathyroidism. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 3455-3460.	7.1	221
7	Effects of Iron Isomaltoside vs Ferric Carboxymaltose on Hypophosphatemia in Iron-Deficiency Anemia. JAMA - Journal of the American Medical Association, 2020, 323, 432.	7.4	162
8	Relationships among Vitamin D Levels, Parathyroid Hormone, and Calcium Absorption in Young Adolescents. Journal of Clinical Endocrinology and Metabolism, 2005, 90, 5576-5581.	3.6	158
9	Nutritional Rickets with Normal Circulating 25-Hydroxyvitamin D: A Call for Reexamining the Role of Dietary Calcium Intake in North American Infants. Journal of Clinical Endocrinology and Metabolism, 2003, 88, 3539-3545.	3.6	150
10	Exome sequencing reveals FAM20c mutations associated with fibroblast growth factor 23â€“related hypophosphatemia, dental anomalies, and ectopic calcification. Journal of Bone and Mineral Research, 2013, 28, 1378-1385.	2.8	144
11	The expanding family of hypophosphatemic syndromes. Journal of Bone and Mineral Metabolism, 2012, 30, 1-9.	2.7	141
12	Prolonged Correction of Serum Phosphorus in Adults With X-Linked Hypophosphatemia Using Monthly Doses of KRN23. Journal of Clinical Endocrinology and Metabolism, 2015, 100, 2565-2573.	3.6	141
13	Characterization of FN1â€“FGFR1 and novel FN1â€“FGF1 fusion genes in a large series of phosphaturic mesenchymal tumors. Modern Pathology, 2016, 29, 1335-1346.	5.5	139
14	Treatment of X-Linked Hypophosphatemia with Calcitriol and Phosphate Increases Circulating Fibroblast Growth Factor 23 Concentrations. Journal of Clinical Endocrinology and Metabolism, 2010, 95, 1846-1850.	3.6	138
15	Fibroblast Growth Factor 7: An Inhibitor of Phosphate Transport Derived from Oncogenic Osteomalacia-Causing Tumors. Journal of Clinical Endocrinology and Metabolism, 2005, 90, 1012-1020.	3.6	136
16	Circulating Levels of Soluble Klotho and FGF23 in X-Linked Hypophosphatemia: Circadian Variance, Effects of Treatment, and Relationship to Parathyroid Status. Journal of Clinical Endocrinology and Metabolism, 2010, 95, E352-E357.	3.6	132
17	Rickets. Nature Reviews Disease Primers, 2017, 3, 17101.	30.5	131
18	Mutations in SLC34A3/NPT2c Are Associated with Kidney Stones and Nephrocalcinosis. Journal of the American Society of Nephrology: JASN, 2014, 25, 2366-2375.	6.1	124

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19	Efficacy and safety of burosumab in children aged 1â€“4 years with X-linked hypophosphataemia: a multicentre, open-label, phase 2 trial. Lancet Diabetes and Endocrinology,the, 2019, 7, 189-199.	11.4	115
20	Oncogenic Osteomalacia â€" A Complex Dance of Factors. New England Journal of Medicine, 2003, 348, 1705-1708.	27.0	114
21	Genetic Defect inCYP24A1, the Vitamin D 24-Hydroxylase Gene, in a Patient with Severe Infantile Hypercalcemia. Journal of Clinical Endocrinology and Metabolism, 2012, 97, E268-E274.	3.6	113
22	NEW PERSPECTIVES ON THE BIOLOGY AND TREATMENT OF X-LINKED HYPOPHOSPHATEMIC RICKETS. Pediatric Clinics of North America, 1997, 44, 443-466.	1.8	106
23	Conventional Therapy in Adults With X-Linked Hypophosphatemia: Effects on Enthesopathy and Dental Disease. Journal of Clinical Endocrinology and Metabolism, 2015, 100, 3625-3632.	3.6	106
24	Continued Beneficial Effects of Burosumab in Adults with X-Linked Hypophosphatemia: Results from a 24-Week Treatment Continuation Period After a 24-Week Double-Blind Placebo-Controlled Period. Calcified Tissue International, 2019, 105, 271-284.	3.1	102
25	Changes in Bone Turnover in Young Women Consuming Different Levels of Dietary Protein1. Journal of Clinical Endocrinology and Metabolism, 1999, 84, 1052-1055.	3.6	100
26	Survey of the Enthesopathy of X-Linked Hypophosphatemia and Its Characterization in Hyp Mice. Calcified Tissue International, 2009, 85, 235-246.	3.1	95
27	Vitamin D binding protein is a key determinant of 25-hydroxyvitamin D levels in infants and toddlers. Journal of Bone and Mineral Research, 2013, 28, 213-221.	2.8	87
28	Burosumab for the Treatment of Tumor-Induced Osteomalacia. Journal of Bone and Mineral Research, 2020, 36, 627-635.	2.8	87
29	Surveillance for Early Detection of Aggressive Parathyroid Disease: Carcinoma and Atypical Adenoma in Familial Isolated Hyperparathyroidism Associated With a Germline HRPT2 Mutation. Journal of Bone and Mineral Research, 2006, 21, 1666-1671.	2.8	74
30	A Randomized Controlled Study of Effects of Dietary Magnesium Oxide Supplementation on Bone Mineral Content in Healthy Girls. Journal of Clinical Endocrinology and Metabolism, 2006, 91, 4866-4872.	3.6	72
31	A novel missense mutation in SLC34A3 that causes hereditary hypophosphatemic rickets with hypercalciuria in humans identifies threonine 137 as an important determinant of sodium-phosphate cotransport in NaPi-IIc. American Journal of Physiology - Renal Physiology, 2008, 295, F371-F379.	2.7	70
32	Hypophosphatemia promotes lower rates of muscle ATP synthesis. FASEB Journal, 2016, 30, 3378-3387.	0.5	70
33	Hereditary Hypophosphatemic Rickets with Hypercalciuria Is Not Caused by Mutations in the Na/Pi Cotransporter NPT2 Gene. Journal of the American Society of Nephrology: JASN, 2001, 12, 507-514.	6.1	65
34	Demographic, dietary, and biochemical determinants of vitamin D status in inner-city children. American Journal of Clinical Nutrition, 2012, 95, 137-146.	4.7	60
35	Nuclear Isoforms of Fibroblast Growth Factor 2 Are Novel Inducers of Hypophosphatemia via Modulation of FGF23 and KLOTHO. Journal of Biological Chemistry, 2010, 285, 2834-2846.	3.4	57
36	Hypophosphatemic Rickets: Lessons from Disrupted FGF23 Control of Phosphorus Homeostasis. Current Osteoporosis Reports, 2015, 13, 88-97.	3.6	53

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37	Rickets severity predicts clinical outcomes in children with X-linked hypophosphatemia: Utility of the radiographic Rickets Severity Score. Bone, 2019, 122, 76-81.	2.9	53
38	Osteocalcin Production in Primary Osteoblast Cultures Derived from Normal and Hyp Mice. Endocrinology, 1998, 139, 35-43.	2.8	52
39	Unexpected widespread hypophosphatemia and bone disease associated with elemental formula use in infants and children. Bone, 2017, 97, 287-292.	2.9	50
40	CYP24A1 loss of function: Clinical phenotype of monoallelic and biallelic mutations. Journal of Steroid Biochemistry and Molecular Biology, 2017, 173, 337-340.	2.5	48
41	Effect of four monthly doses of a human monoclonal anti-FGF23 antibody (KRN23) on quality of life in X-linked hypophosphatemia. Bone Reports, 2016, 5, 158-162.	0.4	47
42	Contemporary Medical and Surgical Management of X-linked Hypophosphatemic Rickets. Journal of the American Academy of Orthopaedic Surgeons, The, 2015, 23, 433-442.	2.5	42
43	Human Heterozygous ENPP1 Deficiency Is Associated With Early Onset Osteoporosis, a Phenotype Recapitulated in a Mouse Model of Enpp1 Deficiency. Journal of Bone and Mineral Research, 2020, 35, 528-539.	2.8	40
44	Association between serum 25-hydroxyvitamin D level and pulmonary exacerbations in cystic fibrosis. Pediatric Pulmonology, 2015, 50, 441-446.	2.0	39
45	Pharmacokinetics and pharmacodynamics of a human monoclonal antiâ€FGF23 antibody (KRN23) in the first multiple ascendingâ€dose trial treating adults with Xâ€linked hypophosphatemia. Journal of Clinical Pharmacology, 2016, 56, 176-185.	2.0	38
46	Calcitonin Administration in X-Linked Hypophosphatemia. New England Journal of Medicine, 2011, 364, 1678-1680.	27.0	36
47	Sustained Efficacy and Safety of Burosumab, a Monoclonal Antibody to FGF23, in Children With X-Linked Hypophosphatemia. Journal of Clinical Endocrinology and Metabolism, 2022, 107, 813-824.	3.6	36
48	Effect of vitamin Dâ€“binding protein genotype on the development of asthma in children. Annals of Allergy, Asthma and Immunology, 2014, 112, 519-524.	1.0	28
49	Pigment epitheliumâ€derived factor restoration increases bone mass and improves bone plasticity in a model of osteogenesis imperfecta type VI via Wnt3a blockade. FASEB Journal, 2016, 30, 2837-2848.	0.5	28
50	Gastric bypass in obese rats causes bone loss, vitamin D deficiency, metabolic acidosis, and elevated peptide YY. Surgery for Obesity and Related Diseases, 2014, 10, 878-884.	1.2	27
51	Mutational Analysis and Genotype-Phenotype Correlation of the PHEX Gene in X-Linked Hypophosphatemic Rickets. Journal of Clinical Endocrinology and Metabolism, 2001, 86, 3889-3899.	3.6	27
52	Growth Curves for Children with X-linked Hypophosphatemia. Journal of Clinical Endocrinology and Metabolism, 2020, 105, 3243-3249.	3.6	26
53	Burosumab treatment in adults with X-linked hypophosphataemia: 96-week patient-reported outcomes and ambulatory function from a randomised phase 3 trial and open-label extension. RMD Open, 2021, 7, e001714.	3.8	26
54	Effect of Paricalcitol on Circulating Parathyroid Hormone in X-Linked Hypophosphatemia: A Randomized, Double-Blind, Placebo-Controlled Study. Journal of Clinical Endocrinology and Metabolism, 2014, 99, 3103-3111.	3.6	22

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55	Population pharmacokinetic and pharmacodynamic analyses from a 4â€•month intradose escalation and its subsequent 12â€•month dose titration studies for a human monoclonal antiâ€FGF23 antibody (KRN23) in adults with Xâ€linked hypophosphatemia. Journal of Clinical Pharmacology, 2016, 56, 429-438.	2.0	19
56	Novel PHEX gene locusâ€specific database: Comprehensive characterization of vast number of variants associated with Xâ€linked hypophosphatemia (XLH). Human Mutation, 2022, 43, 143-157.	2.5	18
57	Frequent overexpression of klotho in fusion-negative phosphaturic mesenchymal tumors with tumorigenic implications. Modern Pathology, 2020, 33, 858-870.	5.5	17
58	Evaluation of bone and mineral disorders. Pediatric Endocrinology Reviews, 2007, 5 Suppl 1, 584-98.	1.2	16
59	Response of the ENPP1-Deficient Skeletal Phenotype to Oral Phosphate Supplementation and/or Enzyme Replacement Therapy: Comparative Studies in Humans and Mice. Journal of Bone and Mineral Research, 2020, 36, 942-955.	2.8	15
60	Description of 5 Novel SLC34A3/NPT2c Mutations Causing Hereditary Hypophosphatemic Rickets With Hypercalciuria. Kidney International Reports, 2019, 4, 1179-1186.	0.8	14
61	Severity of reduced bone mineral density and risk of fractures in longâ€term survivors of childhood leukemia and lymphoma undergoing guidelineâ€recommended surveillance for bone health. Cancer, 2020, 126, 202-210.	4.1	13
62	A Practical Clinical Approach to Paediatric Phosphate Disorders. Endocrine Development, 2015, 28, 134-161.	1.3	12
63	Familial Hypophosphatemia and Related Disorders. , 2003, , 603-XVI.		12
64	Musculoskeletal Comorbidities and Quality of Life in ENPP1-Deficient Adults and the Response of Enthesopathy to Enzyme Replacement Therapy in Murine Models. Journal of Bone and Mineral Research, 2020, 37, 494-504.	2.8	12
65	Vitamin D metabolism in chronic childhood hypoparathyroidism: Evidence for a direct regulatory effect of calcium. Journal of Pediatrics, 1990, 116, 252-257.	1.8	11
66	Secretion of a Large Molecular-Weight Form of Insulin-Like Growth Factor by a Primary Renal Tumor. Medical and Pediatric Oncology, 1995, 24, 392-396.	1.0	9
67	Sonography of congenital adrenal hyperplasia due to partial deficiency of 3Î²-hydroxysteroid dehydrogenase: a case report. Pediatric Radiology, 1997, 27, 594-595.	2.0	9
68	Relationship of Total and Free 25-Hydroxyvitamin D to Biomarkers and Metabolic Indices in Healthy Children. Journal of Clinical Endocrinology and Metabolism, 2020, 105, e1631-e1640.	3.6	9
69	Media Calcium Attenuates Mitochondrial 1,25(OH)2D Production in Phosphorus or Vitamin D-Deprived Rats. Pediatric Research, 1995, 37, 726-730.	2.3	8
70	Familial Hypophosphatemia and Related Disorders. , 2012, , 699-726.		8
71	High dose vitamin D supplementation does not rescue bone loss following Roux-en-Y gastric bypass in female rats. Bone, 2019, 127, 172-180.	2.9	8
72	Heart Failure in Hypophosphatemic Rickets: Complications from High-Dose Phosphate Therapy. Endocrine Practice, 2013, 19, e8-e11.	2.1	7

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73	Characterization of additional vitamin D binding protein variants. Journal of Steroid Biochemistry and Molecular Biology, 2016, 159, 54-59.	2.5	6
74	Long-Term Follow-up of Hypophosphatemic Bone Disease Associated With Elemental Formula Use: Sustained Correction of Bone Disease After Formula Change or Phosphate Supplementation. Clinical Pediatrics, 2020, 59, 1080-1085.	0.8	6
75	Case 32-2021: A 14-Year-Old Girl with Swelling of the Jaw and Hypercalcemia. New England Journal of Medicine, 2021, 385, 1604-1613.	27.0	4
76	Skeletal disease in a father and daughter with a novel monoallelic WNT1 mutation. Bone Reports, 2018, 9, 154-158.	0.4	3
77	Different elemental infant formulas show equivalent phosphorus and calcium bioavailability in healthy volunteers. Nutrition Research, 2021, 85, 71-83.	2.9	3
78	25-OHD response to vitamin D supplementation in children: effect of dose but not GC haplotype. European Journal of Endocrinology, 2021, 185, 333-342.	3.7	3
79	Rickets: The Skeletal Disorders of Impaired Calcium or Phosphate Availability. , 2013, , 357-378.		2
80	Rickets: The Skeletal Disorders of Impaired Calcium or Phosphate Availability. , 2018, , 497-524.		2
81	An Unusual Case of Rickets and How Whole Exome Sequencing Helped to Correct a Diagnosis. AACE Clinical Case Reports, 2016, 2, ee278-ee283.	1.1	1
82	Phosphorus homeostasis and related disorders. , 2020, , 469-507.		1
83	Novel homozygous variant in BMP1 associated with a rare osteogenesis imperfecta phenotype. Osteoporosis International, 2021, 32, 1239-1244.	3.1	1
84	Serum Levels of Lipocalin Are Lower in Adolescents With X-Linked Hypophosphatemia. Journal of the Endocrine Society, 2021, 5, A27-A27.	0.2	1
85	Reply to: Burosumab for Tumor-Induced Osteomalacia: not Enough of a Good Thing. Journal of Bone and Mineral Research, 2020, 36, 2455-2456.	2.8	1
86	Phosphorus bioaccessibility measured in four amino acidâ€“basedÂ formulas using in-vitro batch digestion translates well into phosphorus bioavailability in mice. Nutrition, 2021, 89, 111291.	2.4	0
87	Variations in cord 25â€hydroxyvitamin D levels in Hispanic and Caucasian infants are not related to neonatal bone mineral status. FASEB Journal, 2010, 24, 325.4.	0.5	0
88	SUN-LB19 Novel Homozygous Mutation in BMP1 Causing Osteogenesis Imperfecta. Journal of the Endocrine Society, 2020, 4, .	0.2	0