

Thomas O Carpenter

List of Publications by Year in Descending Order

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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.

86

papers

4,561

citations

38

h-index

67

g-index

95

ext. papers

5,518

ext. citations

8.5

avg, IF

5.64

L-index

| # | Paper | IF | Citations |
|----|--|------|-----------|
| 86 | Sustained efficacy and safety of burosumab, a monoclonal antibody to FGF23, in children with X-linked hypophosphatemia. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021 , | 5.6 | 6 |
| 85 | Case 32-2021: A 14-Year-Old Girl with Swelling of the Jaw and Hypercalcemia. <i>New England Journal of Medicine</i> , 2021 , 385, 1604-1613 | 59.2 | 2 |
| 84 | Serum Levels of Lipocalin Are Lower in Adolescents With X-Linked Hypophosphatemia. <i>Journal of the Endocrine Society</i> , 2021 , 5, A27-A27 | 0.4 | 1 |
| 83 | Reply to: Burosumab for Tumor-Induced Osteomalacia: not Enough of a Good Thing. <i>Journal of Bone and Mineral Research</i> , 2021 , | 6.3 | 1 |
| 82 | Burosumab for the Treatment of Tumor-Induced Osteomalacia. <i>Journal of Bone and Mineral Research</i> , 2021 , 36, 627-635 | 6.3 | 29 |
| 81 | Different elemental infant formulas show equivalent phosphorus and calcium bioavailability in healthy volunteers. <i>Nutrition Research</i> , 2021 , 85, 71-83 | 4 | 2 |
| 80 | Response of the ENPP1-Deficient Skeletal Phenotype to Oral Phosphate Supplementation and/or Enzyme Replacement Therapy: Comparative Studies in Humans and Mice. <i>Journal of Bone and Mineral Research</i> , 2021 , 36, 942-955 | 6.3 | 2 |
| 79 | Novel homozygous variant in BMP1 associated with a rare osteogenesis imperfecta phenotype. <i>Osteoporosis International</i> , 2021 , 32, 1239-1244 | 5.3 | 1 |
| 78 | 25-OHD response to vitamin D supplementation in children: effect of dose but not GC haplotype. <i>European Journal of Endocrinology</i> , 2021 , 185, 333-342 | 6.5 | 0 |
| 77 | Phosphorus bioaccessibility measured in four amino acid-based formulas using in-vitro batch digestion translates well into phosphorus bioavailability in mice. <i>Nutrition</i> , 2021 , 89, 111291 | 4.8 | |
| 76 | Effects of Iron Isomaltoside vs Ferric Carboxymaltose on Hypophosphatemia in Iron-Deficiency Anemia: Two Randomized Clinical Trials. <i>JAMA - Journal of the American Medical Association</i> , 2020 , 323, 432-443 | 27.4 | 73 |
| 75 | SUN-LB19 Novel Homozygous Mutation in BMP1 Causing Osteogenesis Imperfecta. <i>Journal of the Endocrine Society</i> , 2020 , 4, | 0.4 | 78 |
| 74 | Human Heterozygous ENPP1 Deficiency Is Associated With Early Onset Osteoporosis, a Phenotype Recapitulated in a Mouse Model of Enpp1 Deficiency. <i>Journal of Bone and Mineral Research</i> , 2020 , 35, 528-539 | 6.3 | 18 |
| 73 | Phosphorus homeostasis and related disorders 2020 , 469-507 | | 1 |
| 72 | Frequent overexpression of klotho in fusion-negative phosphaturic mesenchymal tumors with tumorigenic implications. <i>Modern Pathology</i> , 2020 , 33, 858-870 | 9.8 | 7 |
| 71 | Relationship of Total and Free 25-Hydroxyvitamin D to Biomarkers and Metabolic Indices in Healthy Children. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020 , 105, | 5.6 | 5 |
| 70 | Long-Term Follow-up of Hypophosphatemic Bone Disease Associated With Elemental Formula Use: Sustained Correction of Bone Disease After Formula Change or Phosphate Supplementation. <i>Clinical Pediatrics</i> , 2020 , 59, 1080-1085 | 1.2 | 3 |

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| 69 | Growth Curves for Children with X-linked Hypophosphatemia. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020 , 105, | 5.6 | 11 |
| 68 | Severity of reduced bone mineral density and risk of fractures in long-term survivors of childhood leukemia and lymphoma undergoing guideline-recommended surveillance for bone health. <i>Cancer</i> , 2020 , 126, 202-210 | 6.4 | 6 |
| 67 | High dose vitamin D supplementation does not rescue bone loss following Roux-en-Y gastric bypass in female rats. <i>Bone</i> , 2019 , 127, 172-180 | 4.7 | 6 |
| 66 | 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. <i>Calcified Tissue International</i> , 2019 , 105, 271-284 | 3.9 | 47 |
| 65 | Rickets severity predicts clinical outcomes in children with X-linked hypophosphatemia: Utility of the radiographic Rickets Severity Score. <i>Bone</i> , 2019 , 122, 76-81 | 4.7 | 28 |
| 64 | Description of 5 Novel NPT2c Mutations Causing Hereditary Hypophosphatemic Rickets With Hypercalciuria. <i>Kidney International Reports</i> , 2019 , 4, 1179-1186 | 4.1 | 8 |
| 63 | Efficacy and safety of burosumab in children aged 1-4 years with X-linked hypophosphataemia: a multicentre, open-label, phase 2 trial. <i>Lancet Diabetes and Endocrinology</i> , 2019 , 7, 189-199 | 18.1 | 69 |
| 62 | Skeletal disease in a father and daughter with a novel monoallelic WNT1 mutation. <i>Bone Reports</i> , 2018 , 9, 154-158 | 2.6 | 1 |
| 61 | Disorders of Mineral Metabolism in Childhood 2018 , 705-712 | | |
| 60 | Burosumab Therapy in Children with X-Linked Hypophosphatemia. <i>New England Journal of Medicine</i> , 2018 , 378, 1987-1998 | 59.2 | 214 |
| 59 | Rickets: The Skeletal Disorders of Impaired Calcium or Phosphate Availability 2018 , 497-524 | | 2 |
| 58 | 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. <i>Journal of Bone and Mineral Research</i> , 2018 , 33, 1383-1393 | 6.3 | 134 |
| 57 | Unexpected widespread hypophosphatemia and bone disease associated with elemental formula use in infants and children. <i>Bone</i> , 2017 , 97, 287-292 | 4.7 | 37 |
| 56 | CYP24A1 loss of function: Clinical phenotype of monoallelic and biallelic mutations. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2017 , 173, 337-340 | 5.1 | 36 |
| 55 | Rickets. <i>Nature Reviews Disease Primers</i> , 2017 , 3, 17101 | 51.1 | 85 |
| 54 | Characterization of FN1-FGFR1 and novel FN1-FGF1 fusion genes in a large series of phosphaturic mesenchymal tumors. <i>Modern Pathology</i> , 2016 , 29, 1335-1346 | 9.8 | 95 |
| 53 | An Unusual Case of Rickets and How Whole Exome Sequencing Helped to Correct a Diagnosis. <i>AACE Clinical Case Reports</i> , 2016 , 2, ee278-ee283 | 0.7 | 1 |
| 52 | Hypophosphatemia promotes lower rates of muscle ATP synthesis. <i>FASEB Journal</i> , 2016 , 30, 3378-3387 | 0.9 | 45 |

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|----|--|------|-----|
| 51 | Characterization of additional vitamin D binding protein variants. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2016 , 159, 54-9 | 5.1 | 3 |
| 50 | Population pharmacokinetic and pharmacodynamic analyses from a 4-month intradose escalation and its subsequent 12-month dose titration studies for a human monoclonal anti-FGF23 antibody (KRN23) in adults with X-linked hypophosphatemia. <i>Journal of Clinical Pharmacology</i> , 2016 , 56, 429-38 | 2.9 | 14 |
| 49 | Pigment epithelium-derived factor restoration increases bone mass and improves bone plasticity in a model of osteogenesis imperfecta type VI via Wnt3a blockade. <i>FASEB Journal</i> , 2016 , 30, 2837-48 | 0.9 | 24 |
| 48 | Effect of four monthly doses of a human monoclonal anti-FGF23 antibody (KRN23) on quality of life in X-linked hypophosphatemia. <i>Bone Reports</i> , 2016 , 5, 158-162 | 2.6 | 40 |
| 47 | Pharmacokinetics and pharmacodynamics of a human monoclonal anti-FGF23 antibody (KRN23) in the first multiple ascending-dose trial treating adults with X-linked hypophosphatemia. <i>Journal of Clinical Pharmacology</i> , 2016 , 56, 176-85 | 2.9 | 29 |
| 46 | Hypophosphatemic rickets: lessons from disrupted FGF23 control of phosphorus homeostasis. <i>Current Osteoporosis Reports</i> , 2015 , 13, 88-97 | 5.4 | 40 |
| 45 | Prolonged Correction of Serum Phosphorus in Adults With X-Linked Hypophosphatemia Using Monthly Doses of KRN23. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015 , 100, 2565-73 | 5.6 | 106 |
| 44 | A Practical Clinical Approach to Paediatric Phosphate Disorders. <i>Endocrine Development</i> , 2015 , 28, 134-161 | | 10 |
| 43 | Contemporary Medical and Surgical Management of X-linked Hypophosphatemic Rickets. <i>Journal of the American Academy of Orthopaedic Surgeons, The</i> , 2015 , 23, 433-42 | 4.5 | 21 |
| 42 | Association between serum 25-hydroxyvitamin D level and pulmonary exacerbations in cystic fibrosis. <i>Pediatric Pulmonology</i> , 2015 , 50, 441-6 | 3.5 | 26 |
| 41 | Conventional Therapy in Adults With X-Linked Hypophosphatemia: Effects on Enthesopathy and Dental Disease. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015 , 100, 3625-32 | 5.6 | 69 |
| 40 | Mutations in SLC34A3/NPT2c are associated with kidney stones and nephrocalcinosis. <i>Journal of the American Society of Nephrology: JASN</i> , 2014 , 25, 2366-75 | 12.7 | 99 |
| 39 | Gastric bypass in obese rats causes bone loss, vitamin D deficiency, metabolic acidosis, and elevated peptide YY. <i>Surgery for Obesity and Related Diseases</i> , 2014 , 10, 878-84 | 3 | 22 |
| 38 | Effect of vitamin D-binding protein genotype on the development of asthma in children. <i>Annals of Allergy, Asthma and Immunology</i> , 2014 , 112, 519-24 | 3.2 | 23 |
| 37 | Effect of paricalcitol on circulating parathyroid hormone in X-linked hypophosphatemia: a randomized, double-blind, placebo-controlled study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014 , 99, 3103-11 | 5.6 | 20 |
| 36 | Randomized trial of the anti-FGF23 antibody KRN23 in X-linked hypophosphatemia. <i>Journal of Clinical Investigation</i> , 2014 , 124, 1587-97 | 15.9 | 211 |
| 35 | Exome sequencing reveals FAM20c mutations associated with fibroblast growth factor 23-related hypophosphatemia, dental anomalies, and ectopic calcification. <i>Journal of Bone and Mineral Research</i> , 2013 , 28, 1378-85 | 6.3 | 125 |
| 34 | Vitamin D binding protein is a key determinant of 25-hydroxyvitamin D levels in infants and toddlers. <i>Journal of Bone and Mineral Research</i> , 2013 , 28, 213-21 | 6.3 | 75 |

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| 33 | Rickets: The Skeletal Disorders of Impaired Calcium or Phosphate Availability 2013 , 357-378 | | 1 |
| 32 | Heart failure in hypophosphatemic rickets: complications from high-dose phosphate therapy. <i>Endocrine Practice</i> , 2013 , 19, e8-e11 | 3.2 | 6 |
| 31 | The expanding family of hypophosphatemic syndromes. <i>Journal of Bone and Mineral Metabolism</i> , 2012 , 30, 1-9 | 2.9 | 119 |
| 30 | Familial Hypophosphatemia and Related Disorders 2012 , 699-726 | | 4 |
| 29 | Genetic defect in CYP24A1, the vitamin D 24-hydroxylase gene, in a patient with severe infantile hypercalcemia. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2012 , 97, E268-74 | 5.6 | 90 |
| 28 | Demographic, dietary, and biochemical determinants of vitamin D status in inner-city children. <i>American Journal of Clinical Nutrition</i> , 2012 , 95, 137-46 | 7 | 49 |
| 27 | Calcitonin administration in X-linked hypophosphatemia. <i>New England Journal of Medicine</i> , 2011 , 364, 1678-80 | 59.2 | 32 |
| 26 | A clinician's guide to X-linked hypophosphatemia. <i>Journal of Bone and Mineral Research</i> , 2011 , 26, 1381-86.3 | | 332 |
| 25 | Nuclear isoforms of fibroblast growth factor 2 are novel inducers of hypophosphatemia via modulation of FGF23 and KLOTHO. <i>Journal of Biological Chemistry</i> , 2010 , 285, 2834-46 | 5.4 | 49 |
| 24 | Treatment of X-linked hypophosphatemia with calcitriol and phosphate increases circulating fibroblast growth factor 23 concentrations. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2010 , 95, 1846-50 | 5.6 | 118 |
| 23 | Circulating levels of soluble klotho and FGF23 in X-linked hypophosphatemia: circadian variance, effects of treatment, and relationship to parathyroid status. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2010 , 95, E352-7 | 5.6 | 104 |
| 22 | Variations in cord 25-hydroxyvitamin D levels in Hispanic and Caucasian infants are not related to neonatal bone mineral status. <i>FASEB Journal</i> , 2010 , 24, 325.4 | 0.9 | |
| 21 | Survey of the enthesopathy of X-linked hypophosphatemia and its characterization in Hyp mice. <i>Calcified Tissue International</i> , 2009 , 85, 235-46 | 3.9 | 73 |
| 20 | A translocation causing increased alpha-klotho level results in hypophosphatemic rickets and hyperparathyroidism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 3455-60 | 11.5 | 188 |
| 19 | 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. <i>American Journal of Physiology - Renal Physiology</i> , 2008 , 295, F371-9 | 4.3 | 64 |
| 18 | Evaluation of bone and mineral disorders. <i>Pediatric Endocrinology Reviews</i> , 2007 , 5 Suppl 1, 584-98 | 1.1 | 14 |
| 17 | A randomized controlled study of effects of dietary magnesium oxide supplementation on bone mineral content in healthy girls. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2006 , 91, 4866-72 | 5.6 | 56 |
| 16 | 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. <i>American Journal of Human Genetics</i> , 2006 , 78, 179-92 | 11 | 370 |

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|----|--|------|-----|
| 15 | Surveillance for early detection of aggressive parathyroid disease: carcinoma and atypical adenoma in familial isolated hyperparathyroidism associated with a germline HRPT2 mutation. <i>Journal of Bone and Mineral Research</i> , 2006 , 21, 1666-71 | 6.3 | 58 |
| 14 | Relationships among vitamin D levels, parathyroid hormone, and calcium absorption in young adolescents. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2005 , 90, 5576-81 | 5.6 | 139 |
| 13 | Fibroblast growth factor 7: an inhibitor of phosphate transport derived from oncogenic osteomalacia-causing tumors. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2005 , 90, 1012-20 | 5.6 | 125 |
| 12 | Nutritional rickets with normal circulating 25-hydroxyvitamin D: a call for reexamining the role of dietary calcium intake in North American infants. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2003 , 88, 3539-45 | 5.6 | 121 |
| 11 | Familial Hypophosphatemia and Related Disorders 2003 , 603-XVI | | 9 |
| 10 | Hereditary hypophosphatemic rickets with hypercalciuria is not caused by mutations in the Na/Pi cotransporter NPT2 gene. <i>Journal of the American Society of Nephrology: JASN</i> , 2001 , 12, 507-514 | 12.7 | 57 |
| 9 | Changes in bone turnover in young women consuming different levels of dietary protein. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1999 , 84, 1052-5 | 5.6 | 83 |
| 8 | Osteocalcin production in primary osteoblast cultures derived from normal and Hyp mice. <i>Endocrinology</i> , 1998 , 139, 35-43 | 4.8 | 49 |
| 7 | New perspectives on the biology and treatment of X-linked hypophosphatemic rickets. <i>Pediatric Clinics of North America</i> , 1997 , 44, 443-66 | 3.6 | 75 |
| 6 | Sonography of congenital adrenal hyperplasia due to partial deficiency of 3beta-hydroxysteroid dehydrogenase: a case report. <i>Pediatric Radiology</i> , 1997 , 27, 594-5 | 2.8 | 7 |
| 5 | Media calcium attenuates mitochondrial 1,25(OH) ₂ D production in phosphorus or vitamin D-deprived rats. <i>Pediatric Research</i> , 1995 , 37, 726-30 | 3.2 | 8 |
| 4 | Secretion of a large molecular-weight form of insulin-like growth factor by a primary renal tumor. <i>Medical and Pediatric Oncology</i> , 1995 , 24, 392-6 | | 7 |
| 3 | Vitamin D metabolism in chronic childhood hypoparathyroidism: evidence for a direct regulatory effect of calcium. <i>Journal of Pediatrics</i> , 1990 , 116, 252-7 | 3.6 | 8 |
| 2 | Mutational Analysis and Genotype-Phenotype Correlation of the PHEX Gene in X-Linked Hypophosphatemic Rickets | | 22 |
| 1 | Disorders of Mineral Metabolism in Childhood 651-658 | | 1 |