

# CITATION REPORT

List of articles citing

**DMP1 mutations in autosomal recessive hypophosphatemia implicate a bone matrix protein in the regulation of phosphate homeostasis**

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#	Paper	IF	Citations
462	Bone talk. <i>Nature Genetics</i> , <b>2006</b> , 38, 1230-1	36.3	31
461	How fibroblast growth factor 23 works. <b>2007</b> , 18, 1637-47		312
460	Fibroblast growth factor 23 impairs phosphorus and vitamin D metabolism in vivo and suppresses 25-hydroxyvitamin D-1alpha-hydroxylase expression in vitro. <b>2007</b> , 293, F1577-83		218
459	More on the bone-kidney axis--lessons from hypophosphataemia. <b>2007</b> , 22, 1521-3		7
458	New aspect of renal phosphate reabsorption: the type IIc sodium-dependent phosphate transporter. <b>2007</b> , 27, 503-15		99
457	Update in osteoporosis and metabolic bone disorders. <b>2007</b> , 92, 747-53		70
456	Immunolocalization of sialin and RUNX2 proteins during vertical distraction osteogenesis in the human mandible. <b>2007</b> , 55, 1095-104		22
455	The emerging role of the fibroblast growth factor-23-klotho axis in renal regulation of phosphate homeostasis. <b>2007</b> , 194, 1-10		184
454	Fibroblast growth factor-23 regulates parathyroid hormone and 1alpha-hydroxylase expression in cultured bovine parathyroid cells. <b>2007</b> , 195, 125-31		386
453	Disorders of human dentin. <b>2007</b> , 186, 70-7		90
452	Fibroblast growth factor (FGF)23 in patients with acromegaly. <i>Endocrine Journal</i> , <b>2007</b> , 54, 481-4	2.9	20
451	Distinct roles for intrinsic osteocyte abnormalities and systemic factors in regulation of FGF23 and bone mineralization in Hyp mice. <b>2007</b> , 293, E1636-44		74
450	Rickets: new insights into a re-emerging problem. <b>2007</b> , 18, 486-493		2
449	Mineral metabolism and aging: the fibroblast growth factor 23 enigma. <b>2007</b> , 16, 311-8		42
448	Bibliography. Current world literature. Mineral metabolism. <b>2007</b> , 16, 388-93		
447	Regulation of phosphate homeostasis in infants, children, and adolescents, and the role of phosphatonins in this process. <b>2007</b> , 19, 488-91		9
446	Emerging role of fibroblast growth factor 23 in a bone-kidney axis regulating systemic phosphate homeostasis and extracellular matrix mineralization. <b>2007</b> , 16, 329-35		92

445	Rescue of odontogenesis in Dmp1-deficient mice by targeted re-expression of DMP1 reveals roles for DMP1 in early odontogenesis and dentin apposition in vivo. <b>2007</b> , 303, 191-201		102
444	Untangling klotho $\beta$ role in calcium homeostasis. <b>2007</b> , 6, 93-5		8
443	FGF23 is a hormone-regulating phosphate metabolism--unique biological characteristics of FGF23. <i>Bone</i> , <b>2007</b> , 40, 1190-5	4-7	111
442	Dentin matrix protein 1 (DMP1): new and important roles for biomineralization and phosphate homeostasis. <b>2007</b> , 86, 1134-41		168
441	Signaling and transcriptional regulation in osteoblast commitment and differentiation. <b>2007</b> , 12, 3068-92		356
440	Hereditary hypophosphatemias: new genes in the bone-kidney axis. <b>2007</b> , 12, 317-20		12
439	Novel regulators of phosphate homeostasis and bone metabolism. <b>2007</b> , 11 Suppl 1, S3-22		34
438	Osteocytes as dynamic multifunctional cells. <b>2007</b> , 1116, 281-90		268
437	Correlation among hyperphosphatemia, type II sodium phosphate transporter activity, and vitamin D metabolism in Fgf-23 null mice. <b>2007</b> , 1116, 485-93		4
436	Effect of acute changes of serum phosphate on fibroblast growth factor (FGF)23 levels in humans. <b>2007</b> , 25, 419-22		107
435	Inherited hypophosphatemic disorders in children and the evolving mechanisms of phosphate regulation. <b>2008</b> , 9, 171-80		65
434	The skeleton: endocrine regulator of phosphate homeostasis. <b>2008</b> , 6, 134-41		6
433	Regulation of phosphate homeostasis by the phosphatonins and other novel mediators. <i>Pediatric Nephrology</i> , <b>2008</b> , 23, 1203-10	3,2	92
432	Amelioration of the premature ageing-like features of Fgf-23 knockout mice by genetically restoring the systemic actions of FGF-23. <b>2008</b> , 216, 345-55		46
431	Generation of a conditional null allele for Dmp1 in mouse. <b>2008</b> , 46, 87-91		15
430	Phosphate: known and potential roles during development and regeneration of teeth and supporting structures. <b>2008</b> , 84, 281-314		51
429	Endocrine functions of bone in mineral metabolism regulation. <b>2008</b> , 118, 3820-8		340
428	Osteocytes in the pathogenesis of osteoporosis. <b>2008</b> , 8, 213-7		12

427	Expression and processing of small integrin-binding ligand N-linked glycoproteins in mouse odontoblastic cells. <b>2008</b> , 53, 879-89		34
426	Clinical usefulness of measurement of fibroblast growth factor 23 (FGF23) in hypophosphatemic patients: proposal of diagnostic criteria using FGF23 measurement. <i>Bone</i> , <b>2008</b> , 42, 1235-9	4-7	155
425	Inherited disorders of calcium homeostasis. <b>2008</b> , 394, 22-41		13
424	SCPP gene evolution and the dental mineralization continuum. <b>2008</b> , 87, 520-31		77
423	Differentiation of osteoblasts and osteocytes from mesenchymal stem cells. <b>2008</b> , 3, 131-45		155
422	Does Fgf23-klotho activity influence vascular and soft tissue calcification through regulating mineral ion metabolism?. <b>2008</b> , 74, 566-70		45
421	Disorders of Mineral Homeostasis in the Newborn, Infant, Child, and Adolescent. <b>2008</b> , 686-769		14
420	Phosphatonins: new hormones that control phosphorus homeostasis. <b>2008</b> , 3, 513-526		1
419	Dentin matrix protein-1 isoforms promote differential cell attachment and migration. <b>2008</b> , 283, 32730-40		41
418	Pathogenic role of Fgf23 in Dmp1-null mice. <b>2008</b> , 295, E254-61		116
417	FGFR3 and FGFR4 do not mediate renal effects of FGF23. <b>2008</b> , 19, 2342-50		110
416	Degradation of MEPE, DMP1, and release of SIBLING ASARM-peptides (minhibins): ASARM-peptide(s) are directly responsible for defective mineralization in HYP. <b>2008</b> , 149, 1757-72		135
415	Actions and mode of actions of FGF19 subfamily members. <i>Endocrine Journal</i> , <b>2008</b> , 55, 23-31	2.9	100
414	Sporadic adult-onset hypophosphatemic osteomalacia caused by excessive action of fibroblast growth factor 23. <b>2008</b> , 47, 453-7		8
413	Physiological regulation and disorders of phosphate metabolism--pivotal role of fibroblast growth factor 23. <b>2008</b> , 47, 337-43		83
412	Tumor-induced hypophosphatemic osteomalacia diagnosed by the combinatory procedures of magnetic resonance imaging and venous sampling for FGF23. <b>2008</b> , 47, 957-61		34
411	PHEX, FGF23, DMP1 and beyond. <b>2008</b> , 17, 357-62		83
410	Genetic evidence of serum phosphate-independent functions of FGF-23 on bone. <b>2008</b> , 4, e1000154		140

409	Tumor-Induced Osteomalacia. <b>2008</b> , 1549-1560	1
408	Genetic Defects in Renal Phosphate Handling. <b>2009</b> , 715-734	1
407	Endocrine Regulation of Phosphate Homeostasis. <b>2009</b> , 105-126	2
406	Blocking of proteolytic processing and deletion of glycosaminoglycan side chain of mouse DMP1 by substituting critical amino acid residues. <b>2009</b> , 189, 192-7	14
405	Dentin noncollagenous matrix proteins in familial hypophosphatemic rickets. <b>2009</b> , 189, 219-23	20
404	Advancing our understanding of osteocyte cell biology. <b>2009</b> , 1, 87-96	13
403	Novel regulators of Fgf23 expression and mineralization in Hyp bone. <b>2009</b> , 23, 1505-18	97
402	Bone formation regulates circulating concentrations of fibroblast growth factor 23. <b>2009</b> , 150, 4835-45	89
401	Phosphate feeding induces arterial medial calcification in uremic mice: role of serum phosphorus, fibroblast growth factor-23, and osteopontin. <b>2009</b> , 75, 1297-1307	163
400	FGF23-mediated regulation of systemic phosphate homeostasis: is Klotho an essential player?. <b>2009</b> , 296, F470-6	100
399	FGF23 decreases renal NaPi-2a and NaPi-2c expression and induces hypophosphatemia in vivo predominantly via FGF receptor 1. <b>2009</b> , 297, F282-91	313
398	Clinical problem-solving. A question well put. <b>2009</b> , 360, 1446-51	8
397	Hypophosphatemic rickets with hypercalciuria due to mutation in SLC34A3/type IIc sodium-phosphate cotransporter: presentation as hypercalciuria and nephrolithiasis. <b>2009</b> , 94, 4433-8	47
396	Familial hypophosphatemic rickets caused by a large deletion in PHEX gene. <i>European Journal of Endocrinology</i> , <b>2009</b> , 161, 647-51	6.5 25
395	Type IIc sodium-dependent phosphate transporter regulates calcium metabolism. <b>2009</b> , 20, 104-13	113
394	Temporal and spatial localization of the dentin matrix proteins during dentin biomineralization. <b>2009</b> , 57, 227-37	46
393	PHEX analysis in 118 pedigrees reveals new genetic clues in hypophosphatemic rickets. <b>2009</b> , 125, 401-11	89
392	Hypophosphatemia: the common denominator of all rickets. <b>2009</b> , 27, 392-401	134

391	Mutational analysis of the PHEX gene: novel point mutations and detection of large deletions by MLPA in patients with X-linked hypophosphatemic rickets. <b>2009</b> , 85, 211-20		19
390	Survey of the enthesopathy of X-linked hypophosphatemia and its characterization in Hyp mice. <b>2009</b> , 85, 235-46		73
389	Recent advances in the renal-skeletal-gut axis that controls phosphate homeostasis. <b>2009</b> , 89, 7-14		46
388	Endocrine fibroblast growth factors as regulators of metabolic homeostasis. <b>2009</b> , 35, 52-60		24
387	The FGF23-Klotho axis: endocrine regulation of phosphate homeostasis. <i>Nature Reviews Endocrinology</i> , <b>2009</b> , 5, 611-9	15.2	286
386	A familial disorder with low bone density and renal phosphate wasting. <b>2009</b> , 20, 503-8		3
385	Molecular analysis of DMP1 mutants causing autosomal recessive hypophosphatemic rickets. <i>Bone</i> , <b>2009</b> , 44, 287-94	4.7	52
384	The roles of Na/Pi-II transporters in phosphate metabolism. <i>Bone</i> , <b>2009</b> , 45 Suppl 1, S2-7	4.7	35
383	Hypophosphatemia induced by intravenous administration of saccharated ferric oxide: another form of FGF23-related hypophosphatemia. <i>Bone</i> , <b>2009</b> , 45, 814-6	4.7	101
382	Patterns of FGF-23, DMP1, and MEPE expression in patients with chronic kidney disease. <i>Bone</i> , <b>2009</b> , 45, 1161-8	4.7	205
381	Bone as an endocrine organ. <b>2009</b> , 20, 230-6		218
380	Familial hypophosphatemic vitamin D-resistant rickets--prevention of spontaneous dental abscesses on primary teeth: a case report. <b>2009</b> , 107, 525-30		24
379	Regulation of bone metabolism by nuclear receptors. <b>2009</b> , 310, 3-10		17
378	The role of bone in phosphate metabolism. <b>2009</b> , 310, 63-70		20
377	Fibroblast growth factor 23/Klotho: un nouvel axe de r�gulation du bilan du phosphate. <b>2009</b> , 33, 62-67		
376	Regulation of bone resorption and mineral homeostasis by osteocytes. <b>2009</b> , 6, 63-70		17
375	Latest findings in phosphate homeostasis. <b>2009</b> , 75, 882-9		118
374	Tumor-induced osteomalacia. <b>2009</b> , 4, 435-442		31

373	Disorders of phosphate homeostasis and tissue mineralisation. <b>2009</b> , 16, 133-56		27
372	[A new axis of phosphate balance control: fibroblast growth factor 23-Klotho]. <b>2009</b> , 5, 513-9		3
371	Emerging topics in pediatric bone and mineral disorders 2008. <b>2009</b> , 29, 370-8		5
370	Do osteocytes contribute to phosphate homeostasis?. <b>2009</b> , 18, 285-91		30
369	Fibroblast Growth Factor 23 (FGF23) and Disorders of Phosphate Metabolism. <i>International Journal of Pediatric Endocrinology (Springer)</i> , <b>2009</b> , 2009, 496514	1.5	20
368	Loss-of-function ENPP1 mutations cause both generalized arterial calcification of infancy and autosomal-recessive hypophosphatemic rickets. <b>2010</b> , 86, 267-72		273
367	Autosomal-recessive hypophosphatemic rickets is associated with an inactivation mutation in the ENPP1 gene. <b>2010</b> , 86, 273-8		221
366	Preproenkephalin (Penk) is expressed in differentiated osteoblasts, and its deletion in Hyp mice partially rescues their bone mineralization defect. <b>2010</b> , 86, 282-93		9
365	A novel nonsense mutation in the DMP1 gene in a Japanese family with autosomal recessive hypophosphatemic rickets. <b>2010</b> , 28, 585-90		30
364	Hormone-like (endocrine) Fgfs: their evolutionary history and roles in development, metabolism, and disease. <b>2010</b> , 342, 1-11		166
363	Overview of the FGF23-Klotho axis. <i>Pediatric Nephrology</i> , <b>2010</b> , 25, 583-90	3.2	120
362	Regulation of phosphate transport by fibroblast growth factor 23 (FGF23): implications for disorders of phosphate metabolism. <i>Pediatric Nephrology</i> , <b>2010</b> , 25, 591-601	3.2	61
361	FGF-23 in bone biology. <i>Pediatric Nephrology</i> , <b>2010</b> , 25, 603-8	3.2	37
360	Osteocytes in Normal Physiology and Osteoporosis. <b>2010</b> , 8, 224-232		7
359	Human stanniocalcin-1 or -2 expressed in mice reduces bone size and severely inhibits cranial intramembranous bone growth. <b>2010</b> , 19, 1017-39		29
358	Long-term clinical outcome and carrier phenotype in autosomal recessive hypophosphatemia caused by a novel DMP1 mutation. <b>2010</b> , 25, 2165-74		43
357	DMP1 C-terminal mutant mice recapture the human ARHR tooth phenotype. <b>2010</b> , 25, 2155-64		26
356	FGF-23: More than a regulator of renal phosphate handling?. <b>2010</b> , 25, 2091-7		120

355	Increased trabecular bone formation in mice lacking the growth factor midkine. <b>2010</b> , 25, 1724-35		17
354	Mechanism of Mineralization of Collagen-Based Connective Tissues. <b>2010</b> , 457-505		
353	Ablation of systemic phosphate-regulating gene fibroblast growth factor 23 (Fgf23) compromises the dentoalveolar complex. <b>2010</b> , 293, 1214-26		22
352	The phosphate regulating hormone fibroblast growth factor-23. <b>2010</b> , 200, 97-106		22
351	Cell-Cell and Cell-Matrix Interactions in Bone. <b>2010</b> , 2647-2662		0
350	Failure to process dentin matrix protein 1 (DMP1) into fragments leads to its loss of function in osteogenesis. <b>2010</b> , 285, 31713-22		37
349	Nuclear isoforms of fibroblast growth factor 2 are novel inducers of hypophosphatemia via modulation of FGF23 and KLOTTHO. <b>2010</b> , 285, 2834-46		49
348	The role of FGF-23 in CKD-MBD and cardiovascular disease: friend or foe?. <b>2010</b> , 25, 1376-81		41
347	Bone and Development. <b>2010</b> ,		6
346	Fibroblast growth factor 23 and its role in phosphate homeostasis. <i>European Journal of Endocrinology</i> , <b>2010</b> , 162, 1-10	6.5	57
345	Familial tumoral calcinosis: from characterization of a rare phenotype to the pathogenesis of ectopic calcification. <b>2010</b> , 130, 652-60		61
344	Recent advances in renal phosphate handling. <b>2010</b> , 6, 207-17		85
343	The calcemic response to continuous parathyroid hormone (PTH)(1-34) infusion in end-stage kidney disease varies according to bone turnover: a potential role for PTH(7-84). <b>2010</b> , 95, 2772-80		56
342	Circulating fibroblast growth factor 23 in patients with end-stage renal disease treated by peritoneal dialysis is intact and biologically active. <b>2010</b> , 95, 578-85		178
341	First it's rickets, then it's not the sodium-phosphate transporter 2a knockout mystery. <b>2010</b> , 151, 4599-601		2
340	Hereditary disorders of renal phosphate wasting. <b>2010</b> , 6, 657-65		60
339	Regulation of phosphate homeostasis by PTH, vitamin D, and FGF23. <b>2010</b> , 61, 91-104		450
338	The osteocyte--a novel endocrine regulator of body phosphate homeostasis. <b>2010</b> , 67, 327-38		8



337	Identification of a novel dentin matrix protein-1 (DMP-1) mutation and dental anomalies in a kindred with autosomal recessive hypophosphatemia. <i>Bone</i> , <b>2010</b> , 46, 402-9	4-7	45
336	Direct evidence for a causative role of FGF23 in the abnormal renal phosphate handling and vitamin D metabolism in rats with early-stage chronic kidney disease. <b>2010</b> , 78, 975-80		243
335	Fluid and Electrolytes in Pediatrics. <b>2010</b> ,		2
334	Genetic disorders of renal phosphate transport. <b>2010</b> , 362, 2399-409		74
333	Vitamin D metabolism and rickets in domestic animals: a review. <b>2011</b> , 48, 389-407		85
332	Mechanosensing Biology. <b>2011</b> ,		2
331	Periodontal status of patients with hypophosphatemic rickets: a case series. <b>2011</b> , 82, 1530-5		10
330	Phosphate sensing. <b>2011</b> , 18, 132-44		90
329	Molecular regulation of phosphate metabolism by fibroblast growth factor-23-klotho system. <b>2011</b> , 18, 91-7		23
328	Phosphate toxicity: new insights into an old problem. <b>2011</b> , 120, 91-7		144
327	Fibroblast growth factor-23 and phosphorus metabolism. <b>2011</b> , 21, 67-77		2
326	Case report: hypophosphatemic rickets and aggressive periodontitis: a review of the role of dentine matrix protein 1 in the pathogenesis. <b>2011</b> , 12, 46-50		3
325	Osteocytes in Mechanosensing: Insights from Mouse Models and Human Patients. <b>2011</b> , 127-139		
324	A patient with hypophosphatemic rickets and ossification of posterior longitudinal ligament caused by a novel homozygous mutation in ENPP1 gene. <i>Bone</i> , <b>2011</b> , 49, 913-6	4-7	54
323	Possible role of DMP1 in dentin mineralization. <b>2011</b> , 174, 100-6		35
322	Iperparatiroidismo primitivo in paziente con rachitismo ipofosforemico. <b>2011</b> , 23, 6-12		
321	Biomineralization of bone: a fresh view of the roles of non-collagenous proteins. <b>2011</b> , 16, 2598-621		60
320	A novel nonsense mutation in the DMP1 gene identified by a genome-wide association study is responsible for inherited rickets in Corriedale sheep. <i>PLoS ONE</i> , <b>2011</b> , 6, e21739	3-7	40

319	High iFGF23 level despite hypophosphatemia is one of the clinical indicators to make diagnosis of XLH. <i>Endocrine Journal</i> , <b>2011</b> , 58, 647-55	2.9	21
318	Fibroblast growth factor 23 overexpression impacts negatively on dentin mineralization and dentinogenesis in mice. <b>2011</b> , 38, 395-402		7
317	Mutational analysis of PHEX, FGF23 and DMP1 in a cohort of patients with hypophosphatemic rickets. <b>2011</b> , 74, 312-8		41
316	Miscellaneous non-inflammatory musculoskeletal conditions. Hyperphosphatemic familial tumoral calcinosis (FGF23, GALNT3 and Klotho). <b>2011</b> , 25, 735-47		44
315	Clinical practice. Fibroblast growth factor (FGF)23: a new hormone. <b>2011</b> , 170, 545-54		31
314	Fibroblast growth factor 23 as a phosphotropic hormone and beyond. <b>2011</b> , 29, 507-14		36
313	Three novel mutations in the PHEX gene in Chinese subjects with hypophosphatemic rickets extends genotypic variability. <b>2011</b> , 88, 370-7		10
312	FGF23 in skeletal modeling and remodeling. <b>2011</b> , 9, 103-8		34
311	Rickets. <b>2011</b> , 9, 291-9		30
310	Genetic diagnosis of X-linked dominant Hypophosphatemic Rickets in a cohort study: tubular reabsorption of phosphate and 1,25(OH) <sub>2</sub> D serum levels are associated with PHEX mutation type. <b>2011</b> , 12, 116		50
309	Hereditary hypophosphatemic rickets with hypercalciuria and nephrolithiasis-identification of a novel SLC34A3/NaPi-IIc mutation. <b>2011</b> , 155A, 626-33		19
308	Osteo-renal regulation of systemic phosphate metabolism. <b>2011</b> , 63, 240-7		35
307	The biological function of DMP-1 in osteocyte maturation is mediated by its 57-kDa C-terminal fragment. <b>2011</b> , 26, 331-40		101
306	Serum fibroblast growth factor-23 (FGF-23) and fracture risk in elderly men. <b>2011</b> , 26, 857-64		78
305	Anti-FGF-23 neutralizing antibodies ameliorate muscle weakness and decreased spontaneous movement of Hyp mice. <b>2011</b> , 26, 803-10		84
304	Unique roles of phosphorus in endochondral bone formation and osteocyte maturation. <b>2011</b> , 26, 1047-56		86
303	A clinician's guide to X-linked hypophosphatemia. <b>2011</b> , 26, 1381-8		332
302	FGF receptors control vitamin D and phosphate homeostasis by mediating renal FGF-23 signaling and regulating FGF-23 expression in bone. <b>2011</b> , 26, 2486-97		109

301	Minireview: fibroblast growth factor 23 in phosphate homeostasis and bone metabolism. <b>2011</b> , 152, 4-10	68
300	Regulation of serum 1,25(OH) <sub>2</sub> vitamin D <sub>3</sub> levels by fibroblast growth factor 23 is mediated by FGF receptors 3 and 4. <b>2011</b> , 301, F371-7	78
299	Inhibition of proprotein convertase SKI-1 blocks transcription of key extracellular matrix genes regulating osteoblastic mineralization. <b>2011</b> , 286, 1836-49	33
298	Iron deficiency drives an autosomal dominant hypophosphatemic rickets (ADHR) phenotype in fibroblast growth factor-23 (Fgf23) knock-in mice. <b>2011</b> , 108, E1146-55	269
297	Targeted ablation of the PTH/PTHrP receptor in osteocytes impairs bone structure and homeostatic calcemic responses. <b>2011</b> , 209, 21-32	153
296	ASARM peptides: PHEX-dependent and -independent regulation of serum phosphate. <b>2011</b> , 300, F783-91	39
295	Tumor-induced osteomalacia. <b>2011</b> , 18, R53-77	273
294	Clinical Disorders of Phosphate Homeostasis. <b>2011</b> , 1155-1186	
293	Reno-endocrinal disorders: A basic understanding of the molecular genetics. <b>2012</b> , 16, 158-63	7
292	Inactivation of a novel FGF23 regulator, FAM20C, leads to hypophosphatemic rickets in mice. <b>2012</b> , 8, e1002708	134
291	FGF23 and syndromes of abnormal renal phosphate handling. <i>Advances in Experimental Medicine and Biology</i> , <b>2012</b> , 728, 41-64	3.6 47
290	The importance of the SIBLING family of proteins on skeletal mineralisation and bone remodelling. <b>2012</b> , 214, 241-55	142
289	Overexpression of the DMP1 C-terminal fragment stimulates FGF23 and exacerbates the hypophosphatemic rickets phenotype in Hyp mice. <b>2012</b> , 26, 1883-95	35
288	Mineralizing enthesopathy is a common feature of renal phosphate-wasting disorders attributed to FGF23 and is exacerbated by standard therapy in hyp mice. <b>2012</b> , 153, 5906-17	31
287	Mutational analysis of PHEX, FGF23, DMP1, SLC34A3 and CLCN5 in patients with hypophosphatemic rickets. <b>2012</b> , 57, 453-8	54
286	Dentin matrix protein 1 and phosphate homeostasis are critical for postnatal pulp, dentin and enamel formation. <b>2012</b> , 4, 189-95	20
285	Amelogenesis imperfecta and other biomineralization defects in Fam20a and Fam20c null mice. <b>2012</b> , 49, 998-1017	93
284	Soluble klotho and autosomal dominant polycystic kidney disease. <b>2012</b> , 7, 248-57	55

283	[Fibroblast growth factor 23 mediates the phosphaturic actions of cadmium]. <b>2012</b> , 67, 464-71		4
282	FGF23 as a novel therapeutic target. <i>Advances in Experimental Medicine and Biology</i> , <b>2012</b> , 728, 158-70	3.6	9
281	Dentin sialophosphoprotein and dentin matrix protein-1: Two highly phosphorylated proteins in mineralized tissues. <b>2012</b> , 57, 1165-75		86
280	Perinatal Calcium and Phosphorus Metabolism. <b>2012</b> , 85-103		
279	Hereditary Tubular Disorders of Mineral Handling. <b>2012</b> , 727-770		1
278	Nuclear localization of DMP1 proteins suggests a role in intracellular signaling. <b>2012</b> , 424, 641-6		26
277	Tooth dentin defects reflect genetic disorders affecting bone mineralization. <i>Bone</i> , <b>2012</b> , 50, 989-97	4.7	87
276	Novel NaPi-IIc mutations causing HHRH and idiopathic hypercalciuria in several unrelated families: long-term follow-up in one kindred. <i>Bone</i> , <b>2012</b> , 50, 1100-6	4.7	29
275	The skeleton as an endocrine organ. <b>2012</b> , 8, 674-83		103
274	Applicability of fibroblast growth factor 23 for evaluation of risk of vertebral fracture and chronic kidney disease-mineral bone disease in elderly chronic kidney disease patients. <b>2012</b> , 13, 122		23
273	Fibroblast growth factor 23: state of the field and future directions. <b>2012</b> , 23, 610-8		91
272	Role of SIBLINGs on matrix mineralization: Focus on dentin matrix protein 1 (DMP1). <b>2012</b> , 54, 30-36		4
271	Mutational analysis of patients with FGF23-related hypophosphatemic rickets. <i>European Journal of Endocrinology</i> , <b>2012</b> , 167, 165-72	6.5	19
270	Protective roles of DMP1 in high phosphate homeostasis. <i>PLoS ONE</i> , <b>2012</b> , 7, e42329	3.7	21
269	Regulation of bone-renal mineral and energy metabolism: the PHEX, FGF23, DMP1, MEPE ASARM pathway. <b>2012</b> , 22, 61-86		103
268	Phosphate Homeostasis Regulatory Mechanisms. <b>2012</b> , 141-161		1
267	Familial Hypophosphatemia and Related Disorders. <b>2012</b> , 699-726		4
266	Regulation and function of the FGF23/klotho endocrine pathways. <b>2012</b> , 92, 131-55		376

265	The chicken or the egg: PHEX, FGF23 and SIBLINGs unscrambled. <b>2012</b> , 30, 355-75		53
264	New mouse models for metabolic bone diseases generated by genome-wide ENU mutagenesis. <b>2012</b> , 23, 416-30		26
263	Osteocytes: central conductors of bone biology in normal and pathological conditions. <b>2012</b> , 204, 317-30		36
262	The expanding family of hypophosphatemic syndromes. <b>2012</b> , 30, 1-9		119
261	The dentin matrix acidic phosphoprotein 1 (DMP1) in the light of mammalian evolution. <b>2013</b> , 76, 59-70		14
260	FGF-23 and secondary hyperparathyroidism in chronic kidney disease. <b>2013</b> , 9, 641-9		76
259	Dentine matrix protein 1 (DMP-1) is a marker of bone-forming tumours. <b>2013</b> , 462, 583-91		10
258	Hypophosphatemia and growth. <i>Pediatric Nephrology</i> , <b>2013</b> , 28, 595-603	3.2	42
257	Oral biosciences: The annual review 2012. <b>2013</b> , 55, 1-5		
256	Osteocyte regulation of phosphate homeostasis and bone mineralization underlies the pathophysiology of the heritable disorders of rickets and osteomalacia. <i>Bone</i> , <b>2013</b> , 54, 213-21	4.7	83
255	Extracellular phosphate modulates the effect of 1,25-dihydroxy vitamin D3 (1,25D) on osteocyte like cells. <b>2013</b> , 136, 183-6		45
254	Pharmacological inhibition of fibroblast growth factor (FGF) receptor signaling ameliorates FGF23-mediated hypophosphatemic rickets. <b>2013</b> , 28, 899-911		116
253	Hexa-D-arginine treatment increases 7B2BC2 activity in hyp-mouse osteoblasts and rescues the HYP phenotype. <b>2013</b> , 28, 56-72		45
252	Novel sandwich ELISAs for rat DMP1: age-related decrease of circulatory DMP1 levels in male rats. <i>Bone</i> , <b>2013</b> , 57, 429-36	4.7	4
251	Proximal Tubular Handling of Phosphate. <b>2013</b> , 2351-2368		
250	Regulation of Phosphate Metabolism by FGF23. <b>2013</b> , 137-150		
249	Clinical Aspects of Fibroblast Growth Factor 23. <b>2013</b> , 151-166		
248	Constitutive protein kinase A activity in osteocytes and late osteoblasts produces an anabolic effect on bone. <i>Bone</i> , <b>2013</b> , 55, 277-87	4.7	17

247	Insights from genetic disorders of phosphate homeostasis. <b>2013</b> , 33, 143-57		29
246	Calcium, Phosphate, PTH, Vitamin D and FGF-23 in Chronic Kidney Disease. <b>2013</b> , 263-283		2
245	Clinical assessment of phosphorus status, balance and renal handling in normal individuals and in patients with chronic kidney disease. <b>2013</b> , 22, 452-8		5
244	Nuclear receptors in bone physiology and diseases. <b>2013</b> , 93, 481-523		62
243	Extracellular matrix mineralization in periodontal tissues: Noncollagenous matrix proteins, enzymes, and relationship to hypophosphatasia and X-linked hypophosphatemia. <b>2013</b> , 63, 102-22		42
242	Heritable Renal Phosphate Wasting Disorders. <b>2013</b> , 517-536		1
241	Identification, characterization, and expression of dentin matrix protein 1 gene in <i>Xenopus laevis</i> . <b>2013</b> , 320, 525-37		2
240	FGF23 and Phosphate Wasting Disorders. <b>2013</b> , 1, 120-32		40
239	OstemiR: a novel panel of microRNA biomarkers in osteoblastic and osteocytic differentiation from mesenchymal stem cells. <i>PLoS ONE</i> , <b>2013</b> , 8, e58796	3-7	128
238	Dysregulated gene expression in the primary osteoblasts and osteocytes isolated from hypophosphatemic Hyp mice. <i>PLoS ONE</i> , <b>2014</b> , 9, e93840	3-7	36
237	A Novel PHEX Gene Mutation in a Patient with Sporadic Hypophosphatemic Rickets. <b>2014</b> , 29, 195-201		5
236	Constitutive nuclear expression of dentin matrix protein 1 fails to rescue the <i>Dmp1</i> -null phenotype. <b>2014</b> , 289, 21533-43		12
235	Knockout of nuclear high molecular weight FGF2 isoforms in mice modulates bone and phosphate homeostasis. <b>2014</b> , 289, 36303-14		22
234	Physiology of the Developing Kidney: Disorders and Therapy of Calcium and Phosphorous Homeostasis. <b>2014</b> , 1-59		
233	Diagnostic Modalities for FGF23-Producing Tumors in Patients with Tumor-Induced Osteomalacia. <b>2014</b> , 29, 136-43		26
232	Therapeutic management of hypophosphatemic rickets from infancy to adulthood. <b>2014</b> , 3, R13-30		159
231	Exome sequencing reveals a mutation in DMP1 in a family with familial sclerosing bone dysplasia. <i>Bone</i> , <b>2014</b> , 68, 142-5	4-7	12
230	Genetic diseases of renal phosphate handling. <b>2014</b> , 29 Suppl 4, iv45-54		37

229	Neonatal iron deficiency causes abnormal phosphate metabolism by elevating FGF23 in normal and ADHR mice. <b>2014</b> , 29, 361-9	94
228	Unusually severe hypophosphatemic rickets caused by a novel and complex re-arrangement of the PHEX gene. <b>2014</b> , 164A, 2931-7	5
227	Vitamin D endocrine system and osteocytes. <b>2014</b> , 3, 494	24
226	Anti-fibroblast growth factor 23 antibody therapy. <b>2014</b> , 23, 346-51	18
225	Inherited disorders of calcium and phosphate metabolism. <b>2014</b> , 26, 215-22	8
224	Multilineage somatic activating mutations in HRAS and NRAS cause mosaic cutaneous and skeletal lesions, elevated FGF23 and hypophosphatemia. <b>2014</b> , 23, 397-407	85
223	A 6.4 Mb duplication of the $\beta$ -synuclein locus causing frontotemporal dementia and Parkinsonism: phenotype-genotype correlations. <b>2014</b> , 71, 1162-71	51
222	The rachitic tooth. <b>2014</b> , 35, 1-34	70
221	Osteocyte Communication with the Kidney Via the Production of FGF23: Remote Control of Phosphate Homeostasis. <b>2014</b> , 12, 44-58	8
220	Potential of human fetal chorionic stem cells for the treatment of osteogenesis imperfecta. <b>2014</b> , 23, 262-76	29
219	Disorders of mineral homeostasis in children and adolescents. <b>2014</b> , 734-845.e1	7
218	Regulation of renal phosphate transport by FGF23 is mediated by FGFR1 and FGFR4. <b>2014</b> , 306, F351-8	80
217	Phosphate homeostasis and disorders. <b>2014</b> , 51, 631-56	57
216	Hypophosphatemic rickets: revealing novel control points for phosphate homeostasis. <b>2014</b> , 12, 252-62	25
215	Mutations in SLC34A3/NPT2c are associated with kidney stones and nephrocalcinosis. <b>2014</b> , 25, 2366-75	99
214	The Dental Pulp. <b>2014</b> ,	7
213	Diagnostic exome sequencing to elucidate the genetic basis of likely recessive disorders in consanguineous families. <b>2014</b> , 35, 1203-10	67
212	Functional analysis of mutant FAM20C in Raine syndrome with FGF23-related hypophosphatemia. <i>Bone</i> , <b>2014</b> , 67, 145-51	4-7 21

211	Role of FGF/FGFR signaling in skeletal development and homeostasis: learning from mouse models. <b>2014</b> , 2, 14003		152
210	Whole exome sequencing confirms the clinical diagnosis of Marfan syndrome combined with X-linked hypophosphatemia. <b>2015</b> , 13, 179		4
209	Osteocytic protein expression response to doxercaliferol therapy in pediatric dialysis patients. <i>PLoS ONE</i> , <b>2015</b> , 10, e0120856	3-7	22
208	A Novel PHEX Mutation in Japanese Patients with X-Linked Hypophosphatemic Rickets. <b>2015</b> , 2015, 301264		1
207	Molecular Genetics of Pediatric Orthopaedic Disorders. <b>2015</b> ,		
206	Vitamin D, phosphate, and vasculotoxicity. <b>2015</b> , 93, 1077-82		28
205	The in vivo role of DMP-1 and serum phosphate on bone mineral composition. <i>Bone</i> , <b>2015</b> , 81, 602-613	4-7	8
204	PHEX 3PUTR c.*231A>G near the polyadenylation signal is a relatively common, mild, American mutation that masquerades as sporadic or X-linked recessive hypophosphatemic rickets. <b>2015</b> , 30, 137-43		10
203	Hypophosphatemic rickets: lessons from disrupted FGF23 control of phosphorus homeostasis. <b>2015</b> , 13, 88-97		40
202	Defective skeletal mineralization in pediatric CKD. <b>2015</b> , 13, 98-105		11
201	Dentine matrix protein 1 (DMP-1) is a marker of bone formation and mineralisation in soft tissue tumours. <b>2015</b> , 466, 445-52		7
200	Interleukin-1-induced acute bone resorption facilitates the secretion of fibroblast growth factor 23 into the circulation. <b>2015</b> , 33, 342-54		22
199	Clinical and molecular heterogeneity in a large series of patients with hypophosphatemic rickets. <i>Bone</i> , <b>2015</b> , 79, 143-9	4-7	30
198	Fibroblast Growth Factor 23: A New Dimension to Diseases of Calcium-Phosphorus Metabolism. <b>2015</b> , 52, 770-84		19
197	Regulation of hormone-sensitive renal phosphate transport. <b>2015</b> , 98, 249-306		12
196	Intestinal Depletion of NaPi-IIb/Slc34a2 in Mice: Renal and Hormonal Adaptation. <b>2015</b> , 30, 1925-37		41
195	Early onset hearing loss in autosomal recessive hypophosphatemic rickets caused by loss of function mutation in ENPP1. <b>2015</b> , 28, 967-70		8
194	Approach to Investigating Congenital Skeletal Abnormalities in Livestock. <b>2015</b> , 52, 851-61		12



193	The PTH-Vitamin D-FGF23 axis. <b>2015</b> , 16, 165-74		96
192	Development of A Cell-Based Assay to Identify Small Molecule Inhibitors of FGF23 Signaling. <b>2015</b> , 13, 476-87		2
191	Isolation and gene expression of haematopoietic-cell-free preparations of highly purified murine osteocytes. <i>Bone</i> , <b>2015</b> , 72, 34-42	4-7	34
190	SPR4-peptide alters bone metabolism of normal and HYP mice. <i>Bone</i> , <b>2015</b> , 72, 23-33	4-7	6
189	Regulation of FGF23 expression in IDG-SW3 osteocytes and human bone by pro-inflammatory stimuli. <b>2015</b> , 399, 208-18		118
188	Null Mice Develop a Unique Osteoarthritis-like Phenotype. <i>International Journal of Biological Sciences</i> , <b>2016</b> , 12, 1203-1212	11.2	13
187	Hormones and Disorders of Mineral Metabolism. <b>2016</b> , 1253-1322		1
186	Conditional Deletion of Murine Fgf23: Interruption of the Normal Skeletal Responses to Phosphate Challenge and Rescue of Genetic Hypophosphatemia. <b>2016</b> , 31, 1247-57		39
185	De novo mutation of PHEX in a type 1 diabetes patient. <b>2016</b> , 29, 621-6		4
184	MEPE Localization in the Craniofacial Complex and Function in Tooth Dentin Formation. <b>2016</b> , 64, 224-36		8
183	The "soft" side of the bone: unveiling its endocrine functions. <b>2016</b> , 28, 5-20		22
182	An update on bone imaging and markers in chronic kidney disease. <b>2016</b> , 11, 455-466		
181	The FGF23/KLOTHO Regulatory Network and Its Roles in Human Disorders. <b>2016</b> , 101, 151-74		13
180	Cutaneous skeletal hypophosphatemia syndrome: clinical spectrum, natural history, and treatment. <b>2016</b> , 27, 3615-3626		31
179	A radiological study on intra- and extra-cranial calcifications in adults with X-linked hypophosphatemia and associations with other mineralizing enthesopathies and childhood medical treatment. <b>2016</b> , 19, 114-25		8
178	Sclerostin antibody (Scl-Ab) improves osteomalacia phenotype in dentin matrix protein 1(Dmp1) knockout mice with little impact on serum levels of phosphorus and FGF23. <b>2016</b> , 52-54, 151-161		18
177	Vitamin D. <b>2016</b> ,		1
176	A de novo mosaic mutation of PHEX in a boy with hypophosphatemic rickets. <b>2016</b> , 61, 223-7		10

175	Hereditary hypophosphatemia in Norway: a retrospective population-based study of genotypes, phenotypes, and treatment complications. <i>European Journal of Endocrinology</i> , <b>2016</b> , 174, 125-36	6.5	68
174	The role of bone sialoprotein in the tendon-bone insertion. <b>2016</b> , 52-54, 325-338		11
173	The FGF23/Klotho axis in the regulation of mineral and metabolic homeostasis. <b>2016</b> , 28, 55-67		17
172	Chronic Kidney Disease Mineral and Bone Disorder. <b>2016</b> , 1214-1229.e6		1
171	Disorders of Mineralization. <b>2016</b> , 1230-1243.e4		
170	Genetic Disorders of Phosphate Homeostasis. <b>2016</b> , 1090-1104.e6		
169	FGF23 Neutralizing Antibody Ameliorates Hypophosphatemia and Impaired FGF Receptor Signaling in Kidneys of HMWFGF2 Transgenic Mice. <b>2017</b> , 232, 610-616		12
168	Heritable and acquired disorders of phosphate metabolism: Etiologies involving FGF23 and current therapeutics. <i>Bone</i> , <b>2017</b> , 102, 31-39	4-7	18
167	Unintended targeting of reveals a critical role for Bmpr1a signaling in the gastrointestinal mesenchyme of adult mice. <b>2017</b> , 5, 16049		41
166	Clinical Aspects of Natural and Added Phosphorus in Foods. <b>2017</b> ,		4
165	Klf5 Mediates Odontoblastic Differentiation through Regulating Dentin-Specific Extracellular Matrix Gene Expression during Mouse Tooth Development. <b>2017</b> , 7, 46746		9
164	A novel auditory ossicles membrane and the development of conductive hearing loss in Dmp1-null mice. <i>Bone</i> , <b>2017</b> , 103, 39-46	4-7	2
163	Estrogen receptors in breast and bone: from virtue of remodeling to vileness of metastasis. <b>2017</b> , 36, 4527-4537		15
162	Mutational analysis of PHEX, FGF23 and CLCN5 in patients with hypophosphataemic rickets. <b>2017</b> , 87, 103-112		17
161	Late-onset hereditary hypophosphatemic rickets with hypercalciuria (HHRH) due to mutation of SLC34A3/NPT2c. <i>Bone</i> , <b>2017</b> , 97, 15-19	4-7	22
160	The Role of the Osteocyte in Bone and Nonbone Disease. <b>2017</b> , 46, 1-18		76
159	Fibroblast Growth Factor 23-Mediated Bone Disease. <b>2017</b> , 46, 19-39		18
158	Overlapping functions of bone sialoprotein and pyrophosphate regulators in directing cementogenesis. <i>Bone</i> , <b>2017</b> , 105, 134-147	4-7	23

157	FGF23-Klotho as a paradigm for a kidney-bone network. <i>Bone</i> , <b>2017</b> , 100, 4-18	4-7	54
156	Genetic diseases resulting from disordered FGF23/klotho biology. <i>Bone</i> , <b>2017</b> , 100, 56-61	4-7	8
155	Fibroblast Growth Factor 23 Regulation by Systemic and Local Osteoblast-Synthesized 1,25-Dihydroxyvitamin D. <b>2017</b> , 28, 586-597		40
154	Extracellular Phosphate Induces the Expression of Dentin Matrix Protein 1 Through the FGF Receptor in Osteoblasts. <b>2017</b> , 118, 1151-1163		28
153	Inhibition of FGFR Signaling Partially Rescues Hypophosphatemic Rickets in HMWFGF2 Tg Male Mice. <b>2017</b> , 158, 3629-3646		5
152	Two novel variants of the PHEX gene in patients with X-linked dominant hypophosphatemic rickets and prenatal diagnosis for fetuses in these families. <b>2018</b> , 41, 2012-2020		2
151	Genome-wide identification of chromatin-enriched RNA reveals that unspliced dentin matrix protein-1 mRNA regulates cell proliferation in squamous cell carcinoma. <b>2018</b> , 495, 2303-2309		3
150	Increased Circulating FGF23 Does Not Lead to Cardiac Hypertrophy in the Male Hyp Mouse Model of XLH. <b>2018</b> , 159, 2165-2172		33
149	X-Linked Hypophosphatemia and FGF23-Related Hypophosphatemic Diseases: Prospect for New Treatment. <b>2018</b> , 39, 274-291		57
148	Glycosylation of dentin matrix protein 1 is a novel key element for astrocyte maturation and BBB integrity. <b>2018</b> , 9, 298-309		13
147	Targeted resequencing of phosphorus metabolism-related genes in 86 patients with hypophosphatemic rickets/osteomalacia. <b>2018</b> , 42, 1603-1614		3
146	Genetic Causes of Rickets. <b>2017</b> , 9, 88-105		31
145	FGF23 and the Regulation of Phosphorus Metabolism. <b>2018</b> , 187-193		1
144	Disorders of Phosphate Homeostasis. <b>2018</b> , 674-683		1
143	Genetic Craniofacial Disorders Affecting the Dentition. <b>2018</b> , 911-917		
142	Genetic Variants Associated with Circulating Fibroblast Growth Factor 23. <b>2018</b> , 29, 2583-2592		19
141	Osteocyte Biology. <b>2018</b> , 227-240		
140	Heritable Renal Phosphate Wasting Disorders. <b>2018</b> , 761-782		1

139	Targeting Fibroblast Growth Factor 23 Signaling with Antibodies and Inhibitors, Is There a Rationale?. <i>Frontiers in Endocrinology</i> , <b>2018</b> , 9, 48	5.7	20
138	Phosphate wasting disorders in adults. <b>2018</b> , 29, 2369-2387		22
137	Developmental Disorders of Dentin ?. <b>2018</b> ,		0
136	Phosphate as a Signaling Molecule and Its Sensing Mechanism. <b>2018</b> , 98, 2317-2348		59
135	Clinical Disorders of Phosphate Homeostasis. <b>2018</b> , 229-247		1
134	Clinical and genetic characteristics of 15 families with hereditary hypophosphatemia: Novel Mutations in PHEX and SLC34A3. <i>PLoS ONE</i> , <b>2018</b> , 13, e0193388	3.7	13
133	Phosphate homeostasis disorders. <b>2018</b> , 32, 685-706		40
132	Phosphate Metabolism, Hyperphosphatemia, and Hypophosphatemia. <b>2019</b> , 68-74		
131	Disorders of phosphate metabolism. <b>2019</b> , 72, 741-747		20
130	Animal Models of Phosphorus Homeostasis. <b>2019</b> , 5, 34-47		2
129	Mechanisms of phosphate transport. <b>2019</b> , 15, 482-500		58
128	Regulation of fibroblast growth factor 23 (FGF23) in health and disease. <b>2019</b> , 593, 1879-1900		37
127	Attenuated Dentin Matrix Protein 1 Enhances Fibroblast Growth Factor 23 in Calvaria in a Primary Hyperparathyroidism Model. <b>2019</b> , 160, 1348-1358		2
126	DMP1 prevents osteocyte alterations, FGF23 elevation and left ventricular hypertrophy in mice with chronic kidney disease. <b>2019</b> , 7, 12		39
125	DMP1 Ablation in the Rabbit Results in Mineralization Defects and Abnormalities in Haversian Canal/Osteon Microarchitecture. <b>2019</b> , 34, 1115-1128		16
124	Phosphorus Disorders: Hypophosphatemic Rickets. <b>2019</b> , 83-98		
123	Roles of Phosphate in Skeleton. <i>Frontiers in Endocrinology</i> , <b>2019</b> , 10, 180	5.7	19
122	Metabolic Bone Diseases. <b>2019</b> ,		1

121	Isolation, Purification, Generation, and Culture of Osteocytes. <b>2019</b> , 1914, 39-51		2
120	Functional analysis of a mutation c.1692 del A of the gene in a Chinese family with X-linked hypophosphataemic rickets. <b>2019</b> , 8, 405-413		1
119	High-Phosphate Diet Improved the Skeletal Development of Fam20c-Deficient Mice. <b>2019</b> , 208, 25-36		4
118	Fibroblast growth factor 23 and phosphate homeostasis. <b>2019</b> , 28, 465-473		7
117	Bone and heart health in chronic kidney disease: role of dentin matrix protein 1. <b>2019</b> , 28, 297-303		6
116	FGF23 and Bone and Mineral Metabolism. <b>2020</b> , 262, 281-308		8
115	Sustained Klotho delivery reduces serum phosphate in a model of diabetic nephropathy. <b>2019</b> , 126, 854-862		7
114	Hypophosphatemic Rickets. <b>2019</b> , 66, 179-207		27
113	Perinatal Calcium and Phosphorus Metabolism. <b>2019</b> , 65-84		
112	Inherited Disorders of Calcium, Phosphate, and Magnesium. <b>2019</b> , 345-389		
111	Phosphorus homeostasis and related disorders. <b>2020</b> , 469-507		1
110	Hormones From Bone. <b>2020</b> , 607-618		
109	The Bone-FGF23-Klotho Axis and Associated Diseases. <b>2020</b> , 540-550		
108	Hypophosphatemic osteosclerosis, hyperostosis, and enthesopathy associated with novel homozygous mutations of DMP1 encoding dentin matrix protein 1 and SPP1 encoding osteopontin: The first digenic SIBLING protein osteopathy?. <i>Bone</i> , <b>2020</b> , 132, 115190	4-7	6
107	Fibroblast growth factor 23. <b>2020</b> , 1529-1538		1
106	Mutation of SGK3, a Novel Regulator of Renal Phosphate Transport, Causes Autosomal Dominant Hypophosphatemic Rickets. <b>2020</b> , 105,		4
105	Hypophosphatemic rickets accelerate chondrogenesis and cell trans-differentiation from TMJ chondrocytes into bone cells via a sharp increase in E-catenin. <i>Bone</i> , <b>2020</b> , 131, 115151	4-7	7
104	Importance of Dietary Phosphorus for Bone Metabolism and Healthy Aging. <b>2020</b> , 12,		17

103	Vitamin D Metabolism and Profiling in Veterinary Species. <b>2020</b> , 10,	3
102	Clinical Characteristics and Bone Features of Autosomal Recessive Hypophosphatemic Rickets Type 1 in Three Chinese Families: Report of Five Chinese Cases and Review of the Literature. <b>2020</b> , 107, 636-648	2
101	Disorders of Calcium and Phosphorus Metabolism and the Proteomics/Metabolomics-Based Research. <b>2020</b> , 8, 576110	8
100	Caspase-12 Is Present During Craniofacial Development and Participates in Regulation of Osteogenic Markers. <b>2020</b> , 8, 589136	0
99	The Long Non-coding RNA Inc-DMP1 Regulates Expression Through H3K27Ac Modification. <b>2020</b> , 11, 233	2
98	Chondrogenesis Defines Future Skeletal Patterns Via Cell Transdifferentiation from Chondrocytes to Bone Cells. <b>2020</b> , 18, 199-209	8
97	The Causes of Hypo- and Hyperphosphatemia in Humans. <b>2021</b> , 108, 41-73	11
96	Congenital Conditions of Hypophosphatemia in Children. <b>2021</b> , 108, 74-90	6
95	Scx cells directly form a subset of chondrocytes in temporomandibular joint that are sharply increased in Dmp1-null mice. <i>Bone</i> , <b>2021</b> , 142, 115687	4-7 3
94	FGF23 and bone disease. <b>2021</b> , 99-113	
93	Odontoblast Processes: New Insights into Its Role in Dentin Mineralization. <b>2021</b> , 109-123	
92	Phosphatonins. <b>2021</b> , 215-233	
91	FGF23 as a drug target. <b>2021</b> , 201-213	
90	Non-collagenous ECM Matrix Components Growth Factors and Cytokines Involved in Matrix Mineralization. <b>2021</b> , 75-108	
89	The discovery of FGF23: historic view: genetic disorders of hypo- and hyperphosphatemia. <b>2021</b> , 1-6	
88	Renal Hypophosphatemia. <b>2021</b> , 1-29	
87	Sclerostin Directly Stimulates Osteocyte Synthesis of Fibroblast Growth Factor-23. <b>2021</b> , 109, 66-76	4
86	A 5-year-old girl with bony deformities and disproportionate short stature: Answers. <i>Pediatric Nephrology</i> , <b>2021</b> , 36, 3117-3121	3-2

85	Experience with the targeted next-generation sequencing in the diagnosis of hereditary hypophosphatemic rickets. <b>2021</b> , 34, 639-648	0
84	Effect of high phosphate diet on the formation of dentin in Fam20c-deficient mice. <b>2021</b> , 129, e12795	0
83	The Molecular Basis of Calcium and Phosphorus Inherited Metabolic Disorders. <b>2021</b> , 12,	1
82	Rickets manifestations in a child with metaphyseal anadysplasia, report of a spontaneously resolving case. <b>2021</b> , 21, 248	
81	Collagen Suprafibrillar Confinement Drives the Activity of Acidic Calcium-Binding Polymers on Apatite Mineralization. <b>2021</b> , 22, 2802-2814	1
80	Small Interfering RNA Targeting DMP1 Protects Mice Against Blood-Brain Barrier Disruption and Brain Injury After Intracerebral Hemorrhage. <b>2021</b> , 30, 105760	1
79	Rickets in Children: An Update. <b>2021</b> , 9,	1
78	The Role of DMP1 in CKD-MBD. <b>2021</b> , 19, 500-509	1
77	Performance evaluation of the new chemiluminescent intact FGF23 assay relative to the existing assay system. <b>2021</b> , 1	2
76	Catalogue for Transmission Genetics in Arabs (CTGA) Database: Analysing Lebanese Data on Genetic Disorders. <b>2021</b> , 12,	1
75	Differential intolerance to loss of function and missense mutations in genes that encode human matricellular proteins. <b>2021</b> , 15, 93-105	1
74	The regulation of FGF23 production in bone and outside of bone. <b>2021</b> , 31-51	
73	Fibroblast Growth Factor-23 (FGF23). 188-194	2
72	Disorders of Phosphate Homeostasis. 601-612	7
71	Diagnosis and Management of Renal Osteodystrophy in Children. <b>2012</b> , 483-503	1
70	Evidence for FGF23 involvement in a bone-kidney axis regulating bone mineralization and systemic phosphate and vitamin D homeostasis. <i>Advances in Experimental Medicine and Biology</i> , <b>2012</b> , 728, 65-83	3.6 26
69	Bone Structure, Development and Bone Biology. <b>2009</b> , 1-50	11
68	Dentin and Bone: Similar Collagenous Mineralized Tissues. <b>2010</b> , 183-200	4

67	Genetic Disorders of Calcium and Phosphate Homeostasis. <b>2009</b> , 267-305		1
66	Disorders of Phosphorus Metabolism. <b>2016</b> , 953-972		2
65	Genetic Disorders of Phosphate Homeostasis. <b>2010</b> , 1160-1175		4
64	Hormones and Disorders of Mineral Metabolism. <b>2011</b> , 1237-1304		17
63	Single gene mutations and variations affecting bone turnover and strength: a selective 2006 update. <i>BoneKEy Osteovision</i> , <b>2006</b> , 3, 11-29		3
62	DMP1 and phosphate metabolism [matrix proteins go systemic. <i>BoneKEy Osteovision</i> , <b>2006</b> , 3, 30-35		2
61	Fibroblast Growth Factor 23 (FGF23) and Disorders of Phosphate Metabolism. <i>International Journal of Pediatric Endocrinology (Springer)</i> , <b>2009</b> , 2009, 496514	1.5	32
60	Antibody-mediated activation of FGFR1 induces FGF23 production and hypophosphatemia. <i>PLoS ONE</i> , <b>2013</b> , 8, e57322	3.7	50
59	PHEX mimetic (SPR4-peptide) corrects and improves HYP and wild type mice energy-metabolism. <i>PLoS ONE</i> , <b>2014</b> , 9, e97326	3.7	9
58	Validation of a next-generation sequencing (NGS) panel to improve the diagnosis of X-linked hypophosphataemia (XLH) and other genetic disorders of renal phosphate wasting. <i>European Journal of Endocrinology</i> , <b>2020</b> , 183, 497-504	6.5	3
57	FGF23 and Associated Disorders of Phosphate Wasting. <i>Pediatric Endocrinology Reviews</i> , <b>2019</b> , 17, 17-34	1.1	15
56	Skeletal mineralization: mechanisms and diseases. <i>Annals of Pediatric Endocrinology and Metabolism</i> , <b>2019</b> , 24, 213-219	2.9	21
55	Identification of a novel variant in the PHEX gene using targeted gene panel sequencing in a 24-month-old boy with hypophosphatemic rickets. <i>Annals of Pediatric Endocrinology and Metabolism</i> , <b>2020</b> , 25, 63-67	2.9	1
54	Circling behavior developed in Dmp1 null mice is due to bone defects in the vestibular apparatus. <i>International Journal of Biological Sciences</i> , <b>2010</b> , 6, 537-45	11.2	12
53	Induction of FGF23-related hypophosphatemic osteomalacia by alcohol consumption.. <i>Bone Reports</i> , <b>2021</b> , 15, 101144	2.6	1
52	Meeting report from the 28th annual meeting of the American society for bone and mineral research. <i>BoneKEy Osteovision</i> , <b>2006</b> , 3, 14-50		
51	Bone talk: Klotho and FGF23 signaling. <i>BoneKEy Osteovision</i> , <b>2006</b> , 3, 36-40		
50	On the Horizon From the ORS. <i>Journal of the American Academy of Orthopaedic Surgeons, The</i> , <b>2007</b> , 15, 257-259	4.5	



- 49 Molecular Genetics of Inherited Hypophosphataemias.
- 48 Analysing the Evolution of Repetitive Strands in Genomes. *Lecture Notes in Computer Science*, **2009**, 1047-1054
- 47 Disorders of Phosphorus Homeostasis. **2010**, 173-208
- 46 Disorders of Water, Electrolyte, and Mineral Ion Metabolism. **2010**, 697-700
- 45 A bone-kidney axis: New concept. *Japanese Journal of Pediatric Nephrology*, **2010**, 23, 189-194
- 44 Potential Role of Vitamin D and Fibroblast Growth Factor 23/Rho System in Aging. *Oxidative Stress and Disease*, **2012**, 351-362
- 43 Craniofacial Disorders Affecting the Dentition: Genetic. 914-921
- 42 Genetics of Phosphate Regulation Disorders.
- 41 Genetic Alterations: Heritable Dentin Defects. **2014**, 155-168
- 40 Störungen des Phosphatstoffwechsels. **2014**, 1-5
- 39 DMP-1 in Postnatal Bone Development. **2015**, 57-70
- 38 Physiology of the Developing Kidney: Disorders and Therapy of Calcium and Phosphorus Homeostasis. **2016**, 291-339
- 37 Vitamin D in Disorders of Phosphorus. **2016**, 59-69
- 36 Phosphorus and Kidney Disease: Mechanisms for Perturbed Phosphorus Homeostasis in Chronic Kidney Disease. **2017**, 187-199
- 35 Endocrine Regulation of Phosphate Homeostasis. **2017**, 71-82
- 34 Overview of Phosphorus-Wasting Diseases and Need for Phosphorus Supplements. **2017**, 185-200
- 33 Knochenerkrankungen im Kindes- und Jugendalter. **2018**, 191-226
- 32 Genetics of Mineral Disorders. **2020**, 92-107

31	Calcium, phosphate, PTH, vitamin D, and FGF-23 in CKD-mineral and bone disorder. <b>2022</b> , 353-381		
30	Cellular Contributors to Bone Homeostasis. <i>Contemporary Cardiology</i> , <b>2020</b> , 333-371	0.1	1
29	Transition of Osteoblasts to Osteocytes. <b>2020</b> , 491-498		
28	Sclerostin directly stimulates osteocyte synthesis of fibroblast growth factor-23.		
27	Phosphatonins: new hormones involved in numerous inherited bone disorders. <i>Clinical Cases in Mineral and Bone Metabolism</i> , <b>2011</b> , 8, 9-13		1
26	The changing face of hypophosphatemic disorders in the FGF-23 era. <i>Pediatric Endocrinology Reviews</i> , <b>2013</b> , 10 Suppl 2, 367-79	1.1	11
25	The regulation of FGF23 under physiological and pathophysiological conditions.. <i>Pflugers Archiv European Journal of Physiology</i> , <b>2022</b> , 474, 281	4.6	3
24	Rickets guidance: part I-diagnostic workup.. <i>Pediatric Nephrology</i> , <b>2021</b> , 1	3.2	4
23	Extracellular Phosphate, Inflammation and Cytotoxicity.. <i>Advances in Experimental Medicine and Biology</i> , <b>2022</b> , 1362, 15-25	3.6	0
22	Phosphate Is a Cardiovascular Toxin.. <i>Advances in Experimental Medicine and Biology</i> , <b>2022</b> , 1362, 107-134	3.6	0
21	Data_Sheet_1.PDF. <b>2020</b> ,		
20	Dentin Matrix Protein 1 Silencing Inhibits Phosphorus Utilization in Primary Cultured Tibial Osteoblasts of Broiler Chicks.. <i>Frontiers in Veterinary Science</i> , <b>2022</b> , 9, 875140	3.1	0
19	Interdisciplinary management of FGF23-related phosphate wasting syndromes: a Consensus Statement on the evaluation, diagnosis and care of patients with X-linked hypophosphataemia.. <i>Nature Reviews Endocrinology</i> , <b>2022</b> ,	15.2	1
18	Growth-related skeletal changes and alterations in phosphate metabolism.. <i>Bone</i> , <b>2022</b> , 116430	4.7	0
17	The Emerging Role of Cell Transdifferentiation in Skeletal Development and Diseases. <i>International Journal of Molecular Sciences</i> , <b>2022</b> , 23, 5974	6.3	0
16	Pathogenesis of FGF23-Related Hypophosphatemic Diseases Including X-linked Hypophosphatemia. <i>Endocrines</i> , <b>2022</b> , 3, 303-316	0.8	0
15	Mechanical forces couple bone matrix mineralization with inhibition of angiogenesis to limit adolescent bone growth. <i>Nature Communications</i> , <b>2022</b> , 13,	17.4	2
14	Advances in understanding of phosphate homeostasis and related disorders. <i>Endocrine Journal</i> , <b>2022</b> ,	2.9	1

13	BMP Signaling Pathway in Dentin Development and Diseases. <i>Cells</i> , <b>2022</b> , 11, 2216	7.9	1
12	Roles of osteocytes in phosphate metabolism. <i>Frontiers in Endocrinology</i> , 13,	5.7	0
11	PHEXL222P Mutation Increases Phex Expression in a New ENU Mouse Model for XLH Disease. <b>2022</b> , 13, 1356		
10	Pathogenic Variants of the PHEX Gene. <b>2022</b> , 3, 498-511		0
9	Mettl3 regulates hypertrophic differentiation of chondrocytes through modulating Dmp1 mRNA via Ythdf1-mediated m6A modification. <b>2022</b> , 164, 116522		0
8	Renal Hypophosphatemia. <b>2022</b> , 957-985		0
7	Paracrine and endocrine functions of osteocytes. <b>2022</b> ,		0
6	Osteocytes and the pathogenesis of hypophosphatemic rickets. 13,		0
5	TUMOR-INDUCED OSTEOMALACIA: A COMPREHENSIVE REVIEW.		1
4	The First Compound Heterozygous Mutations of DMP1 Causing Rare Autosomal Recessive Hypophosphatemic Rickets Type 1.		0
3	Hereditary Rickets: A Quick Guide for the Pediatrician. <b>2022</b> , 19,		0
2	Single-cell RNA sequencing identifies Fgf23-expressing osteocytes in response to 1,25-dihydroxyvitamin D3 treatment. 14,		0
1	Disorders of Phosphorus Metabolism. <b>2023</b> , 1047-1070		0