

# Rajiv Kumar

## List of Publications by Year in descending order

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199  
papers

10,661  
citations

30070

54  
h-index

38395

95  
g-index

206  
all docs

206  
docs citations

206  
times ranked

8890  
citing authors

#	ARTICLE	IF	CITATIONS
1	FGF-23 Inhibits Renal Tubular Phosphate Transport and Is a PHEX Substrate. <i>Biochemical and Biophysical Research Communications</i> , 2001, 284, 977-981.	2.1	320
2	Inhibition of Renal Phosphate Transport by a Tumor Product in a Patient with Oncogenic Osteomalacia. <i>New England Journal of Medicine</i> , 1994, 330, 1645-1649.	27.0	307
3	Secreted frizzled-related protein 4 is a potent tumor-derived phosphaturic agent. <i>Journal of Clinical Investigation</i> , 2003, 112, 785-794.	8.2	265
4	Long-Term Effects of Calcium Supplementation on Serum Parathyroid Hormone Level, Bone Turnover, and Bone Loss in Elderly Women. <i>Journal of Bone and Mineral Research</i> , 1998, 13, 168-174.	2.8	264
5	Vitamin D-Mediated Hypercalcemia: Mechanisms, Diagnosis, and Treatment. <i>Endocrine Reviews</i> , 2016, 37, 521-547.	20.1	253
6	Potent Inhibition of Dendritic Cell Differentiation and Maturation by Vitamin D Analogs. <i>Biochemical and Biophysical Research Communications</i> , 2000, 270, 701-708.	2.1	252
7	VITAMIN D AND ITS ANALOGS AS REGULATORS OF IMMUNE ACTIVATION AND ANTIGEN PRESENTATION. <i>Annual Review of Nutrition</i> , 2003, 23, 117-145.	10.1	239
8	Phosphatonins and the Regulation of Phosphate Homeostasis. <i>Annual Review of Physiology</i> , 2007, 69, 341-359.	13.1	226
9	The phosphatonin pathway: New insights in phosphate homeostasis. <i>Kidney International</i> , 2004, 65, 1-14.	5.2	217
10	Distribution of 1,25-dihydroxyvitamin D3 receptor immunoreactivity in the rat brain and spinal cord. <i>Journal of Chemical Neuroanatomy</i> , 1999, 16, 135-145.	2.1	211
11	Tumors Associated With Oncogenic Osteomalacia Express Genes Important in Bone and Mineral Metabolism. <i>Journal of Bone and Mineral Research</i> , 2002, 17, 1102-1110.	2.8	195
12	Novel Mechanisms in the Regulation of Phosphorus Homeostasis. <i>Physiology</i> , 2009, 24, 17-25.	3.1	192
13	Phosphatonins and the regulation of phosphorus homeostasis. <i>American Journal of Physiology - Renal Physiology</i> , 2005, 289, F1170-F1182.	2.7	183
14	Interrelationship among vitamin D metabolism, true calcium absorption, parathyroid function, and age in women: Evidence of an age-related intestinal resistance to 1,25-dihydroxyvitamin D action. <i>Journal of Bone and Mineral Research</i> , 1991, 6, 125-132.	2.8	182
15	1,25-Dihydroxyvitamin D3 Regulates Mitochondrial Oxygen Consumption and Dynamics in Human Skeletal Muscle Cells. <i>Journal of Biological Chemistry</i> , 2016, 291, 1514-1528.	3.4	164
16	The Regulation of Parathyroid Hormone Secretion and Synthesis. <i>Journal of the American Society of Nephrology: JASN</i> , 2011, 22, 216-224.	6.1	163
17	Hypercalcemia, Hypercalciuria, and Elevated Calcitriol Concentrations with Autosomal Dominant Transmission Due to <i>CYP24A1</i> Mutations: Effects of Ketoconazole Therapy. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2012, 97, E423-E427.	3.6	158
18	Evidence for a signaling axis by which intestinal phosphate rapidly modulates renal phosphate reabsorption. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 11085-11090.	7.1	155

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19	Fat malabsorption and increased intestinal oxalate absorption are common after roux-en-Y gastric bypass surgery. <i>Surgery</i> , 2011, 149, 654-661.	1.9	152
20	Modulation of Growth Factor/Cytokine Synthesis and Signaling by 1 $\alpha$ ,25-Dihydroxyvitamin D <sub>3</sub> : Implications in Cell Growth and Differentiation. <i>Endocrine Reviews</i> , 2002, 23, 763-786.	20.1	147
21	Survival, Risk Factors, and Effect of Treatment in 101 Patients With Calciphylaxis. <i>Mayo Clinic Proceedings</i> , 2016, 91, 1384-1394.	3.0	145
22	1,25-Dihydroxyvitamin D <sub>3</sub> receptors in the central nervous system of the rat embryo. <i>Brain Research</i> , 1998, 804, 193-205.	2.2	144
23	A Prospective Controlled Study of Living Kidney Donors: Three-Year Follow-up. <i>American Journal of Kidney Diseases</i> , 2015, 66, 114-124.	1.9	142
24	Aberrant PheX function in osteoblasts and osteocytes alone underlies murine X-linked hypophosphatemia. <i>Journal of Clinical Investigation</i> , 2008, 118, 722-34.	8.2	132
25	Nephrolithiasis-associated bone disease: pathogenesis and treatment options. <i>Kidney International</i> , 2011, 79, 393-403.	5.2	132
26	Distinctive dendritic cell modulation by vitamin D <sub>3</sub> and glucocorticoid pathways. <i>Biochemical and Biophysical Research Communications</i> , 2002, 297, 645-652.	2.1	124
27	Calcium pump epitopes in placental trophoblast basal plasma membranes. <i>American Journal of Physiology - Cell Physiology</i> , 1989, 257, C341-C346.	4.6	122
28	Vitamin D and mineral deficiencies increase the plasma membrane calcium pump of chicken intestine. <i>Gastroenterology</i> , 1992, 102, 886-894.	1.3	118
29	Direct Transcriptional Regulation of RelB by 1 $\alpha$ ,25-Dihydroxyvitamin D <sub>3</sub> and Its Analogs. <i>Journal of Biological Chemistry</i> , 2003, 278, 49378-49385.	3.4	109
30	Sclerostin alters serum vitamin D metabolite and fibroblast growth factor 23 concentrations and the urinary excretion of calcium. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 6199-6204.	7.1	109
31	Metabolism of 1,25-dihydroxyvitamin D <sub>3</sub> : evidence for side-chain oxidation. <i>Biochemistry</i> , 1976, 15, 2420-2423.	2.5	106
32	Intestinal Calcium Transport and Calcium Extrusion Processes at the Basolateral Membrane. <i>Journal of Nutrition</i> , 1992, 122, 662-671.	2.9	106
33	Immunohistochemical detection and distribution of the 1,25-dihydroxyvitamin D <sub>3</sub> receptor in rat reproductive tissues. <i>Histochemistry and Cell Biology</i> , 1996, 105, 7-15.	1.7	106
34	Regulation of phosphate homeostasis by the phosphatonins and other novel mediators. <i>Pediatric Nephrology</i> , 2008, 23, 1203-1210.	1.7	106
35	A Lifetime of Hypercalcemia and Hypercalciuria, Finally Explained. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014, 99, 708-712.	3.6	95
36	FGF-23 and sFRP-4 in Chronic Kidney Disease and Post-Renal Transplantation. <i>Nephron Physiology</i> , 2006, 104, p23-p32.	1.2	92

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37	Burosumab for the Treatment of Tumor-Induced Osteomalacia. <i>Journal of Bone and Mineral Research</i> , 2020, 36, 627-635.	2.8	87
38	Regulation of <i>relB</i> in dendritic cells by means of modulated association of vitamin D receptor and histone deacetylase 3 with the promoter. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 16007-16012.	7.1	83
39	Structure, binding interface and hydrophobic transitions of Ca <sup>2+</sup> -loaded calbindin-D28K. <i>Nature Structural and Molecular Biology</i> , 2006, 13, 641-647.	8.2	75
40	IEX-1, an immediate early gene, increases the rate of apoptosis in keratinocytes. <i>Oncogene</i> , 2001, 20, 7992-7997.	5.9	69
41	Ontogeny of the 1,25-dihydroxyvitamin D <sub>3</sub> receptor in fetal rat bone. <i>Journal of Bone and Mineral Research</i> , 1996, 11, 56-61.	2.8	69
42	Determination of Calcium-Binding Sites in Rat Brain Calbindin D28K by Electrospray Ionization Mass Spectrometry. <i>Biochemistry</i> , 1997, 36, 3535-3542.	2.5	67
43	Immuno-localization of the calcitriol receptor, calbindin-D <sub>28k</sub> and the plasma membrane calcium pump in the human eye. <i>Current Eye Research</i> , 1995, 14, 101-108.	1.5	66
44	The phosphatonins and the regulation of phosphate transport and vitamin D metabolism. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2007, 103, 497-503.	2.5	66
45	Histone deacetylase 3 is required for maintenance of bone mass during aging. <i>Bone</i> , 2013, 52, 296-307.	2.9	66
46	Expression and Regulation of the Vitamin D Receptor in the Zebrafish, <i>Danio rerio</i> . <i>Journal of Bone and Mineral Research</i> , 2008, 23, 1486-1496.	2.8	61
47	Effect of phylloquinone supplementation on glucose homeostasis in humans. <i>American Journal of Clinical Nutrition</i> , 2010, 92, 1528-1532.	4.7	61
48	Comparison of the effect of daily versus bolus dose maternal vitamin D <sub>3</sub> supplementation on the 24,25-dihydroxyvitamin D <sub>3</sub> to 25-hydroxyvitamin D <sub>3</sub> ratio. <i>Bone</i> , 2018, 110, 321-325.	2.9	59
49	The Physiology and Pathophysiology of Vitamin D. <i>Mayo Clinic Proceedings</i> , 1985, 60, 851-866.	3.0	58
50	Identification of 1,25-Dihydroxyvitamin D <sub>3</sub> Response Elements in the Human Transforming Growth Factor $\beta$ 2 Gene. <i>Biochemistry</i> , 1999, 38, 2654-2660.	2.5	58
51	New insights into phosphate homeostasis: fibroblast growth factor 23 and frizzled-related protein-4 are phosphaturic factors derived from tumors associated with osteomalacia. <i>Current Opinion in Nephrology and Hypertension</i> , 2002, 11, 547-553.	2.0	58
52	Determination of Serum and Plasma Sclerostin Concentrations by Enzyme-Linked Immunoassays. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2011, 96, E1159-E1162.	3.6	58
53	Vitamin D and calcium transport. <i>Kidney International</i> , 1991, 40, 1177-1189.	5.2	56
54	Co-localization of erythrocyte Ca <sup>++</sup> -Mg <sup>++</sup> ATPase and vitamin D-dependent 28-kDa-calcium binding protein. <i>Kidney International</i> , 1988, 34, 262-267.	5.2	55

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55	Pernicious anaemia as a risk factor for osteoporosis. <i>Clinical Science</i> , 1992, 82, 681-685.	4.3	55
56	Vitamin D receptor-mediated suppression of RelB in antigen presenting cells: A paradigm for ligand-augmented negative transcriptional regulation. <i>Archives of Biochemistry and Biophysics</i> , 2007, 460, 218-226.	3.0	55
57	Nephrolithiasis After Bariatric Surgery for Obesity. <i>Seminars in Nephrology</i> , 2008, 28, 163-173.	1.6	54
58	Vitamin D and the kidney. <i>Archives of Biochemistry and Biophysics</i> , 2012, 523, 77-86.	3.0	54
59	Biological activity of FGF-23 fragments. <i>Pflugers Archiv European Journal of Physiology</i> , 2007, 454, 615-623.	2.8	53
60	Sclerostin deficient mice rapidly heal bone defects by activating $\beta$ -catenin and increasing intramembranous ossification. <i>Biochemical and Biophysical Research Communications</i> , 2013, 441, 886-890.	2.1	53
61	Epitopes of the Human Erythrocyte $\text{Ca}^{2+}$ - $\text{Mg}^{2+}$ -ATPase Pump in Human Osteoblast-Like Cell Plasma Membranes*. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1988, 67, 1299-1304.	3.6	52
62	Effects of $1,25(\text{OH})_2\text{D}_3$ and its analogs on dendritic cell function. <i>Journal of Cellular Biochemistry</i> , 2003, 88, 323-326.	2.6	52
63	Cerebrospinal fluid calcium homeostasis: evidence for a plasma membrane $\text{Ca}^{2+}$ -pump in mammalian choroid plexus. <i>Brain Research</i> , 1989, 489, 355-360.	2.2	51
64	Metal mediated sterol receptor-DNA complex association and dissociation determined by electrospray ionization mass spectrometry. <i>Nature Biotechnology</i> , 1998, 16, 262-266.	17.5	51
65	Parathyroid Hormone Regulates Transforming Growth Factor $\beta$ 1 and $\beta$ 2 Synthesis in Osteoblasts Via Divergent Signaling Pathways. <i>Journal of Bone and Mineral Research</i> , 2010, 15, 879-884.	2.8	50
66	Divergent Regulation of the Growth-promoting Gene IEX-1 by the p53 Tumor Suppressor and Sp1. <i>Journal of Biological Chemistry</i> , 2002, 277, 14612-14621.	3.4	49
67	LC-MS/MS for Identifying Patients with CYP24A1 Mutations. <i>Clinical Chemistry</i> , 2016, 62, 236-242.	3.2	49
68	The Molecular Cloning of the Complementary Deoxyribonucleic Acid for Bovine Vitamin D-Dependent Calcium-Binding Protein: Structure of the Full-Length Protein and Evidence for Homologies with Other Calcium-Binding Proteins of the Troponin-C Superfamily of Proteins. <i>Molecular Endocrinology</i> , 1989, 3, 427-432.	3.7	48
69	Zinc-induced conformational changes in the DNA-binding domain of the vitamin D receptor determined by electrospray ionization mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 1998, 9, 8-14.	2.8	48
70	A Novel Immediate Early Response Gene, IEX-1, Is Induced by Ultraviolet Radiation in Human Keratinocytes. <i>Biochemical and Biophysical Research Communications</i> , 1998, 253, 336-341.	2.1	47
71	Fibroblast Growth Factor 23, Parathyroid Hormone, and $1,25$ -Dihydroxyvitamin D in Surgically Treated Primary Hyperparathyroidism. <i>Mayo Clinic Proceedings</i> , 2004, 79, 1508-1513.	3.0	47
72	Calcium transport in epithelial cells of the intestine and kidney. <i>Journal of Cellular Biochemistry</i> , 1995, 57, 392-398.	2.6	46

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73	An AP-1 Site in the Nerve Growth Factor Promoter Is Essential for 1,25-Dihydroxyvitamin D <sub>3</sub> -Mediated Nerve Growth Factor Expression in Osteoblasts. <i>Biochemistry</i> , 1998, 37, 5988-5994.	2.5	46
74	Fibroblast Growth Factor 23 Concentrations in Humoral Hypercalcemia of Malignancy and Hyperparathyroidism. <i>Mayo Clinic Proceedings</i> , 2003, 78, 826-829.	3.0	46
75	Vitamin D and Calcium Hormones in Pregnancy. <i>New England Journal of Medicine</i> , 1980, 302, 1143-1145.	27.0	45
76	Zinc Increases the Activity of Vitamin D-Dependent Promoters in Osteoblasts. <i>Biochemical and Biophysical Research Communications</i> , 2000, 271, 1-7.	2.1	44
77	Expression of an immediate early gene, IEX-1, in human tissues. <i>Histochemistry and Cell Biology</i> , 2001, 115, 489-497.	1.7	43
78	Generation of antigen-specific, interleukin-10-producing T-cells using dendritic cell stimulation and steroid hormone conditioning. <i>Transplant Immunology</i> , 2003, 11, 323-333.	1.2	43
79	1,25-Dihydroxyvitamin D <sub>3</sub> receptors in developing dorsal root ganglia of fetal rats. <i>Developmental Brain Research</i> , 1996, 92, 120-124.	1.7	42
80	Regulation of a Novel Immediate Early Response Gene, IEX-1, in Keratinocytes by 1,25-Dihydroxyvitamin D <sub>3</sub> . <i>Biochemical and Biophysical Research Communications</i> , 1998, 251, 868-873.	2.1	42
81	Calbindin D28K interacts with Ran-binding protein M: identification of interacting domains by NMR spectroscopy. <i>Biochemical and Biophysical Research Communications</i> , 2003, 303, 1186-1192.	2.1	42
82	Calciophylaxis: A Disease of Pannicular Thrombosis. <i>Mayo Clinic Proceedings</i> , 2016, 91, 1395-1402.	3.0	42
83	Research Resource: Whole Transcriptome RNA Sequencing Detects Multiple 1,25-Dihydroxyvitamin D <sub>3</sub> -Sensitive Metabolic Pathways in Developing Zebrafish. <i>Molecular Endocrinology</i> , 2012, 26, 1630-1642.	3.7	41
84	The Metal-binding Properties of DREAM. <i>Journal of Biological Chemistry</i> , 2002, 277, 10955-10966.	3.4	40
85	Secreted frizzled-related protein-4 reduces sodium-phosphate co-transporter abundance and activity in proximal tubule cells. <i>Pflügers Archiv European Journal of Physiology</i> , 2006, 451, 579-587.	2.8	40
86	Deletion of the intestinal plasma membrane calcium pump, isoform 1, Atp2b1, in mice is associated with decreased bone mineral density and impaired responsiveness to 1, 25-dihydroxyvitamin D <sub>3</sub> . <i>Biochemical and Biophysical Research Communications</i> , 2015, 467, 152-156.	2.1	40
87	Analysis of transcription complexes and effects of ligands by microelectrospray ionization mass spectrometry. <i>Nature Biotechnology</i> , 1999, 17, 1214-1218.	17.5	39
88	Low temperature aqueous electrospray ionization mass spectrometry of noncovalent complexes. <i>Journal of the American Society for Mass Spectrometry</i> , 1998, 9, 580-584.	2.8	38
89	Zinc Binding Properties of the DNA Binding Domain of the 1,25-Dihydroxyvitamin D <sub>3</sub> Receptor. <i>Biochemistry</i> , 1997, 36, 10482-10491.	2.5	37
90	Gene expression profiles in dendritic cells conditioned by 1,25-dihydroxyvitamin D <sub>3</sub> analog. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2004, 89-90, 443-448.	2.5	37

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91	The sclerostin-bone protein interactome. <i>Biochemical and Biophysical Research Communications</i> , 2012, 417, 830-835.	2.1	37
92	1,25-Dihydroxyvitamin D <sub>3</sub> Regulates the Expression of N-myc, c-myc, Protein Kinase C, and Transforming Growth Factor- $\beta$ 2 in Neuroblastoma Cells. <i>Biochemical and Biophysical Research Communications</i> , 1997, 235, 15-18.	2.1	35
93	1 $\alpha$ ,25-Dihydroxyvitamin D <sub>3</sub> Increases Transforming Growth Factor and Transforming Growth Factor Receptor Type I and II Synthesis in Human Bone Cells. <i>Biochemical and Biophysical Research Communications</i> , 1997, 239, 734-739.	2.1	35
94	Elevated Fibroblast Growth Factor 23 in Women With Malignant Ovarian Tumors. <i>Mayo Clinic Proceedings</i> , 2005, 80, 745-751.	3.0	35
95	Phosphate sensing. <i>Current Opinion in Nephrology and Hypertension</i> , 2009, 18, 281-284.	2.0	35
96	Gastric Bypass Surgery and Measured and Estimated GFR in Women. <i>American Journal of Kidney Diseases</i> , 2014, 64, 663-665.	1.9	35
97	1 $\alpha$ ,25-Dihydroxyvitamin D <sub>3</sub> Inhibits Normal Human Keratinocyte Growth by Increasing Transforming Growth Factor $\beta$ 2 Release. <i>Biochemical and Biophysical Research Communications</i> , 1996, 229, 618-623.	2.1	34
98	Mechanisms of Renal Phosphate Loss in Liver Resection-Associated Hypophosphatemia. <i>Annals of Surgery</i> , 2009, 249, 824-827.	4.2	34
99	Hyperphosphatemic Tumoral Calcinosis: Effects of Phosphate Depletion on Vitamin D Metabolism, and of Acute Hypocalcemia on Parathyroid Hormone Secretion and Action*. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1983, 56, 1319-1322.	3.6	33
100	Molecular Cloning Of A Plasma Membrane Calcium Pump From Human Osteoblasts. <i>Journal of Bone and Mineral Research</i> , 1993, 8, 505-513.	2.8	33
101	Clinical and Biochemical Phenotypes in a Family With <i>ENPP1</i> Mutations. <i>Journal of Bone and Mineral Research</i> , 2020, 35, 662-670.	2.8	33
102	Rearrangements and Amplification of <i>IER3</i> ( <i>EX-1</i> ) Represent a Novel and Recurrent Molecular Abnormality in Myelodysplastic Syndromes. <i>Cancer Research</i> , 2009, 69, 7518-7523.	0.9	32
103	Immediate early gene X-1 interacts with proteins that modulate apoptosis. <i>Biochemical and Biophysical Research Communications</i> , 2004, 323, 1293-1298.	2.1	31
104	Altered Calcium and Vitamin D Homeostasis in First-Time Calcium Kidney Stone-Formers. <i>PLoS ONE</i> , 2015, 10, e0137350.	2.5	31
105	Modulation effects of zinc on the formation of vitamin D receptor and retinoid X receptor $\gamma$ -DNA transcription complexes: analysis by microelectrospray mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2001, 15, 1011-1016.	1.5	30
106	Vitamin D and renal calcium transport. <i>Current Opinion in Nephrology and Hypertension</i> , 1994, 3, 424-430.	2.0	29
107	Identification of Metal-binding Sites in Rat Brain Calcium-binding Protein. <i>Journal of Biological Chemistry</i> , 1995, 270, 30353-30358.	3.4	29
108	Ablation of gly96/immediate early gene-X1 (gly96/iex-1) aggravates DSS-induced colitis in mice: Role for gly96/iex-1 in the regulation of NF- $\kappa$ B. <i>Inflammatory Bowel Diseases</i> , 2010, 16, 320-331.	1.9	29

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109	The Use of Vitamin D Metabolites and Analogues in the Treatment of Chronic Kidney Disease. <i>Endocrinology and Metabolism Clinics of North America</i> , 2017, 46, 983-1007.	3.2	29
110	The expression of milligram amounts of functional human 1,25-dihydroxyvitamin D3 receptor in a bacterial expression system. <i>Biochemical and Biophysical Research Communications</i> , 1992, 189, 1417-1423.	2.1	28
111	Effects of 1,25-dihydroxyvitamin D3 on growth of mouse neuroblastoma cells. <i>Developmental Brain Research</i> , 1997, 99, 53-60.	1.7	28
112	Phosphate as a Signaling Molecule. <i>Calcified Tissue International</i> , 2021, 108, 16-31.	3.1	28
113	Effect of 1,25-dihydroxyvitamin D3 on mouse mammary tumor (GR) cells: Evidence for receptors, cellular uptake, inhibition of growth and alteration in morphology at physiologic concentrations of hormone. <i>Journal of Bone and Mineral Research</i> , 1986, 1, 457-467.	2.8	27
114	The Role of IEX-1 in the Pathogenesis of Venous Neointimal Hyperplasia Associated with Hemodialysis Arteriovenous Fistula. <i>PLoS ONE</i> , 2014, 9, e102542.	2.5	27
115	Analysis of steroid and vitamin D glucuronides and sulfates by fast atom bombardment mass spectrometry. <i>Biomedical Mass Spectrometry</i> , 1984, 11, 4-9.	1.9	26
116	Determination of non-covalent metal ion-protein interactions using a microflow electrospray ionization mass spectrometry interface. <i>Rapid Communications in Mass Spectrometry</i> , 1997, 11, 939-942.	1.5	25
117	Correlation of fluorescence and circular dichroism spectroscopy with electrospray ionization mass spectrometry in the determination of tertiary conformational changes in calcium-binding proteins. <i>Rapid Communications in Mass Spectrometry</i> , 1998, 12, 613-619.	1.5	25
118	Characterization of a novel hexameric repeat DNA sequence in the promoter of the immediate early gene, IEX-1, that mediates 1,25-dihydroxyvitamin D3-associated IEX-1 gene repression. <i>Oncogene</i> , 2002, 21, 3706-3714.	5.9	25
119	Sclerostin binds and regulates the activity of cysteine-rich protein 61. <i>Biochemical and Biophysical Research Communications</i> , 2010, 392, 36-40.	2.1	25
120	Skeletal and extraskeletal disorders of biomineralization. <i>Nature Reviews Endocrinology</i> , 2022, 18, 473-489.	9.6	25
121	Elevated blood pressure and cardiac hypertrophy after ablation of the gly96/IEX-1 gene. <i>Journal of Applied Physiology</i> , 2006, 100, 707-716.	2.5	24
122	The effects of Ca <sup>2+</sup> binding on the conformation of calbindin D28K: A nuclear magnetic resonance and microelectrospray mass spectrometry study. <i>Analytical Biochemistry</i> , 2003, 317, 59-66.	2.4	23
123	Elevated Fibroblast Growth Factor 23 in Women With Malignant Ovarian Tumors. <i>Mayo Clinic Proceedings</i> , 2005, 80, 745-751.	3.0	22
124	Synthesis and biologic activity of a C-ring analog of vitamin D3: biologic and protein binding properties of 11.alpha.-hydroxyvitamin D3. <i>Biochemistry</i> , 1984, 23, 1983-1987.	2.5	20
125	Synthesis and Purification of Soluble Ligand Binding Domain of the Human Vitamin D3 Receptor. <i>Biochemical and Biophysical Research Communications</i> , 1996, 218, 902-907.	2.1	20
126	Expression of 25(OH)D3 24-hydroxylase in distal nephron: coordinate regulation by 1,25(OH)2D3 and cAMP or PTH. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 1999, 276, E793-E805.	3.5	20



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127	Abnormalities in biomarkers of mineral and bone metabolism in kidney donors. <i>Kidney International</i> , 2016, 90, 861-868.	5.2	20
128	Protein-metal ion interactions, stoichiometries and relative affinities determined by on-line size exclusion gel filtration mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2003, 17, 267-271.	1.5	19
129	Regional and cellular distribution of DREAM in adult rat brain consistent with multiple sensory processing roles. <i>Molecular Brain Research</i> , 2003, 111, 104-110.	2.3	19
130	Reduced Renal Calcium Excretion in the Absence of Sclerostin Expression. <i>Journal of the American Society of Nephrology: JASN</i> , 2014, 25, 2159-2168.	6.1	19
131	Production of a polar metabolite of 1,25-dihydroxyvitamin D3 in a rat liver perfusion system. <i>Digestive Diseases and Sciences</i> , 1981, 26, 242-246.	2.3	18
132	Characterization of the effect of chronic administration of a calcium-sensing receptor antagonist, ronacaleret, on renal calcium excretion and serum calcium in postmenopausal women. <i>Bone</i> , 2013, 56, 154-162.	2.9	18
133	Pin1 regulates parathyroid hormone mRNA stability. <i>Journal of Clinical Investigation</i> , 2009, 119, 2887-2891.	8.2	18
134	Immunolocalization of Calcitriol Receptor, Plasma Membrane Calcium Pump and Calbindin-D <sub>28k</sub> in the Cornea and Ciliary Body of the Rat Eye. <i>Ophthalmic Research</i> , 1995, 27, 42-47.	1.9	17
135	Metal-binding properties of human centrin-2 determined by micro-electrospray ionization mass spectrometry and UV spectroscopy. <i>Journal of the American Society for Mass Spectrometry</i> , 2006, 17, 1158-1171.	2.8	17
136	Weight loss over time and survival: a landmark analysis of 1000+ prospectively treated and monitored lung cancer patients. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2020, 11, 1501-1508.	7.3	17
137	Chemical Characterization and Quantification of Circulating Intact PTH and PTH Fragments by High-Resolution Mass Spectrometry in Chronic Renal Failure. <i>Clinical Chemistry</i> , 2021, 67, 843-853.	3.2	17
138	The regulation of apoptosis by the downstream regulatory element antagonist modulator/potassium channel interacting protein 3 (DREAM/KChIP3) through interactions with hexokinase I. <i>Biochemical and Biophysical Research Communications</i> , 2013, 433, 508-512.	2.1	16
139	1,25-dihydroxyvitamin D3 mitigates cancer cell mediated mitochondrial dysfunction in human skeletal muscle cells. <i>Biochemical and Biophysical Research Communications</i> , 2018, 496, 746-752.	2.1	16
140	A Novel Vitamin D-Regulated Immediate-Early Gene, IEX-1, Alters Cellular Growth and Apoptosis. <i>Recent Results in Cancer Research</i> , 2003, 164, 123-134.	1.8	16
141	Glucocorticoid-induced osteoporosis. <i>Current Opinion in Nephrology and Hypertension</i> , 2001, 10, 589-595.	2.0	15
142	Risk of Symptomatic Kidney Stones During and After Pregnancy. <i>American Journal of Kidney Diseases</i> , 2021, 78, 409-417.	1.9	15
143	Rapid identification of calbindin-D28k cyanogen bromide peptide fragments by plasma desorption mass spectrometry. <i>Biomedical &amp; Environmental Mass Spectrometry</i> , 1989, 18, 387-393.	1.6	14
144	Control of Renal Solute Excretion by Enteric Signals and Mediators. <i>Journal of the American Society of Nephrology: JASN</i> , 2008, 19, 207-212.	6.1	14

#	ARTICLE	IF	CITATIONS
145	The Potassium Channel Interacting Protein 3 (DREAM/KChIP3) Heterodimerizes with and Regulates Calmodulin Function. <i>Journal of Biological Chemistry</i> , 2012, 287, 39439-39448.	3.4	14
146	Detection of 1 $\alpha$ ,25-Dihydroxyvitamin D-Regulated miRNAs in Zebrafish by Whole Transcriptome Sequencing. <i>Zebrafish</i> , 2014, 11, 207-218.	1.1	14
147	Methylarginine metabolites are associated with attenuated muscle protein synthesis in cancer-associated muscle wasting. <i>Journal of Biological Chemistry</i> , 2020, 295, 17441-17459.	3.4	14
148	1,25-Dihydroxyvitamin D-Mediated Hypercalcemia in a Renal Transplant Recipient. <i>Mayo Clinic Proceedings</i> , 1996, 71, 32-36.	3.0	13
149	Alterations in vitamin D metabolite, parathyroid hormone and fibroblast growth factor-23 concentrations in sclerostin-deficient mice permit the maintenance of a high bone mass. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2015, 148, 225-231.	2.5	13
150	1 $\alpha$ ,25-Dihydroxyvitamin D3 Encapsulated in Nanoparticles Prevents Venous Neointimal Hyperplasia and Stenosis in Porcine Arteriovenous Fistulas. <i>Journal of the American Society of Nephrology: JASN</i> , 2021, 32, 866-885.	6.1	13
151	Skeletal muscle mitochondrial dysfunction and muscle and whole body functional deficits in cancer patients with weight loss. <i>Journal of Applied Physiology</i> , 2022, 132, 388-401.	2.5	13
152	Association of Prokaryotic and Eukaryotic Chaperone Proteins with the Human 1 $\alpha$ ,25-Dihydroxyvitamin D3 Receptor. <i>Biochemical and Biophysical Research Communications</i> , 1999, 260, 446-452.	2.1	12
153	Biophysical properties of the extra-cellular domain of the calcium-sensing receptor. <i>Biochemical and Biophysical Research Communications</i> , 2006, 349, 339-344.	2.1	12
154	Carbohydrate Metabolism and the Skeleton: Picking a Bone with the $\beta$ -Cell. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2011, 96, 1269-1271.	3.6	12
155	Tumor-Induced Osteomalacia. <i>Translational Endocrinology &amp; Metabolism</i> , 2015, 7, .	0.2	12
156	On-line sample clean-up and chromatography coupled with electrospray ionization mass spectrometry to characterize the primary sequence and disulfide bond content of recombinant calcium binding proteins. , 1999, 13, 37-45.		10
157	Emerging Role of Mass Spectrometry in Structural and Functional Proteomics. <i>Advances in Protein Chemistry</i> , 2003, 65, 217-248.	4.4	10
158	Multiple potential clinical benefits for 1 $\alpha$ ,25-dihydroxyvitamin D3 analogs in kidney transplant recipients. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2005, 97, 213-218.	2.5	10
159	Sclerostin $\beta$ erbB-3 interactions: Modulation of erbB-3 activity by sclerostin. <i>Biochemical and Biophysical Research Communications</i> , 2010, 402, 421-424.	2.1	10
160	Hyperphosphatemia with low FGF7 and normal FGF23 and sFRP4 levels in the circulation characterizes pediatric hypophosphatasia. <i>Bone</i> , 2020, 134, 115300.	2.9	10
161	Hyperphosphatemia with elevated serum PTH and FGF23, reduced 1,25(OH)2D and normal FGF7 concentrations characterize patients with CKD. <i>BMC Nephrology</i> , 2021, 22, 114.	1.8	10
162	1 $\alpha$ ,25-Dihydroxyvitamin D3 Increases TGF $\beta$ 1 Binding to Human Osteoblasts. <i>Biochemical and Biophysical Research Communications</i> , 2002, 290, 1558-1563.	2.1	9

#	ARTICLE	IF	CITATIONS
163	Hydrogenâ€Deuterium Exchange Mass Spectrometry Reveals Calcium Binding Properties and Allosteric Regulation of Downstream Regulatory Element Antagonist Modulator (DREAM). <i>Biochemistry</i> , 2017, 56, 3523-3530.	2.5	9
164	1,25-Dihydroxyvitamin D <sub>3</sub> â€ Not Just a Calcitropic Hormone. <i>Nephron</i> , 2002, 91, 576-581.	1.8	8
165	Expression of sclerostin in the developing zebrafish ( <i>Danio rerio</i> ) brain and skeleton. <i>Gene Expression Patterns</i> , 2012, 12, 228-235.	0.8	8
166	Lung tumor cells inhibit bone mineralization and osteoblast activity. <i>Biochemical and Biophysical Research Communications</i> , 2019, 519, 566-571.	2.1	8
167	Adventitial delivery of nanoparticles encapsulated with 1,25-dihydroxyvitamin D <sub>3</sub> attenuates restenosis in a murine angioplasty model. <i>Scientific Reports</i> , 2021, 11, 4772.	3.3	8
168	Effect of cortisol on [3H] 1,25-dihydroxyvitamin D <sub>3</sub> uptake and 1,25-dihydroxyvitamin D <sub>3</sub> -induced DNA-dependent RNA polymerase activity in chick intestinal cells. <i>Calcified Tissue International</i> , 1987, 40, 224-230.	3.1	7
169	Enhanced prostacyclin formation and Wnt signaling in sclerostin deficient osteocytes and bone. <i>Biochemical and Biophysical Research Communications</i> , 2014, 448, 83-88.	2.1	7
170	Impaired cardiac performance, protein synthesis, and mitochondrial function in tumor-bearing mice. <i>PLoS ONE</i> , 2019, 14, e0226440.	2.5	7
171	OR13-1 Burosumab Improves the Biochemical, Skeletal, and Clinical Symptoms of Tumor-Induced Osteomalacia Syndrome. <i>Journal of the Endocrine Society</i> , 2019, 3, .	0.2	7
172	Serum Parathyroid Hormone Concentrations and Clinical Outcomes in ESRD: A Call for Targeted Clinical Trials. <i>Seminars in Dialysis</i> , 2016, 29, 184-188.	1.3	6
173	New clinical trials with vitamin D and analogs in renal disease. <i>Kidney International</i> , 2011, 80, 793-796.	5.2	5
174	Muscle specific deletion of the vitamin-D receptor in mice is associated with diaphragm muscle weakness. <i>Journal of Applied Physiology</i> , 2021, 131, 95-106.	2.5	5
175	Cryo-EM reveals conformational flexibility in apo DNA polymerase Î¶. <i>Journal of Biological Chemistry</i> , 2021, 297, 100912.	3.4	5
176	High-Resolution Mass Spectrometry for the Measurement of PTH and PTH Fragments: Insights into PTH Physiology and Bioactivity. <i>Journal of the American Society of Nephrology: JASN</i> , 2022, 33, 1448-1458.	6.1	5
177	Production and Characterization of Monoclonal Antibodies to Human Sclerostin. <i>Hybridoma</i> , 2009, 28, 377-381.	0.4	4
178	Osteocalcin and the Regulation of Glucose Metabolism. <i>Clinical Reviews in Bone and Mineral Metabolism</i> , 2013, 11, 11-16.	0.8	4
179	Short carboxyl terminal parathyroid hormone peptides modulate human parathyroid hormone signaling in mouse osteoblasts. <i>Biochemical and Biophysical Research Communications</i> , 2021, 572, 15-19.	2.1	4
180	Vitamin D and the Kidney. , 2011, , 471-491.		2

#	ARTICLE	IF	CITATIONS
181	OR29-06 Burosumab Improves Biochemical, Skeletal, and Clinical Features of Tumor-Induced Osteomalacia Syndrome. Journal of the Endocrine Society, 2020, 4, .	0.2	2
182	Novel Insights into Mechanisms of Intestinal Phosphate Absorption in Patients with Chronic Kidney Disease. Journal of the American Society of Nephrology: JASN, 2021, 32, 1830-1832.	6.1	2
183	Vitamin D and the Kidney. , 2005, , 515-536.		2
184	6. Tumor-Induced Osteomalacia. Translational Endocrinology & Metabolism, 2011, , 185-207.	0.2	1
185	The Hormonal Regulation of Calcium Metabolism. , 2013, , 2249-2272.		1
186	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
187	Are Phosphatonins Relevant in the Pathogenesis of Nephrolithiasis?. AIP Conference Proceedings, 2007, , .	0.4	0
188	Phosphatonins. , 2008, , 451-466.		0
189	Phosphatonins. , 2013, , 373-390.		0
190	Vitamin D and the Kidney. , 2018, , 437-459.		0
191	63-Year-Old Woman With Abdominal Pain and Thrombocytopenia. Mayo Clinic Proceedings, 2019, 94, 2122-2126.	3.0	0
192	Phosphatonins. , 2021, , 215-233.		0
193	Mineral and Bone Disorders Following Renal Transplantation. , 2019, , 243-261.		0
194	Impaired cardiac performance, protein synthesis, and mitochondrial function in tumor-bearing mice. , 2019, 14, e0226440.		0
195	Impaired cardiac performance, protein synthesis, and mitochondrial function in tumor-bearing mice. , 2019, 14, e0226440.		0
196	Impaired cardiac performance, protein synthesis, and mitochondrial function in tumor-bearing mice. , 2019, 14, e0226440.		0
197	Impaired cardiac performance, protein synthesis, and mitochondrial function in tumor-bearing mice. , 2019, 14, e0226440.		0
198	Impaired cardiac performance, protein synthesis, and mitochondrial function in tumor-bearing mice. , 2019, 14, e0226440.		0

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