Hector F Deluca

List of Publications by Citations

298 papers	20,244 citations	75 h-index	134 g-index
305 ext. papers	21,714 ext. citations	6.1 avg, IF	6.92 L-index

#	Paper	IF	Citations
298	Overview of general physiologic features and functions of vitamin D. *American Journal of Clinical Nutrition*, **2004**, 80, 1689S-96S	7	1415
297	Current understanding of the molecular actions of vitamin D. *Physiological Reviews*, **1998**, 78, 1193-231	47.9	987
296	Intestinal calcium absorption and serum vitamin D metabolites in normal subjects and osteoporotic patients: effect of age and dietary calcium. *Journal of Clinical Investigation*, **1979**, 64, 729-36	15.9	637
295	Vitamin D: its role and uses in immunology. *FASEB Journal*, **2001**, 15, 2579-85	0.9	623
294	Expression of 1,25-dihydroxyvitamin D(3) receptor in the immune system. *Archives of Biochemistry and Biophysics*, **2000**, 374, 334-8	4.1	514
293	The vitamin D story: a collaborative effort of basic science and clinical medicine1. *FASEB Journal*, **1988**, 2, 224-236	0.9	433
292	A sensitive, precise, and convenient method for determination of 1,25-dihydroxyvitamin D in human plasma. *Archives of Biochemistry and Biophysics*, **1976**, 176, 235-43	4.1	433
291	Pathogenesis of hereditary vitamin-D-dependent rickets. An inborn error of vitamin D metabolism involving defective conversion of 25-hydroxyvitamin D to 1 alpha,25-dihydroxyvitamin D. *New England Journal of Medicine*, **1973**, 289, 817-22	59.2	361
290	Where is the vitamin D receptor?. *Archives of Biochemistry and Biophysics*, **2012**, 523, 123-33	4.1	340
289	Vitamin D, disease and therapeutic opportunities. *Nature Reviews Drug Discovery*, **2010**, 9, 941-55	64.1	307
288	1,25-Dihydroxycholecalciferol inhibits the progression of arthritis in murine models of human arthritis. *Journal of Nutrition*, **1998**, 128, 68-72	4.1	273
287	Vitamin-D-dependent rickets type II. Resistance of target organs to 1,25-dihydroxyvitamin D. *New England Journal of Medicine*, **1978**, 298, 996-9	59.2	272
286	Cloning of the human 1 alpha,25-dihydroxyvitamin D-3 24-hydroxylase gene promoter and identification of two vitamin D-responsive elements. *Biochimica Et Biophysica Acta Gene Regulatory Mechanisms*, **1995**, 1263, 1-9		225
285	Serum 1,25-dihydroxyvitamin D levels in normal subjects and in patients with hereditary rickets or bone disease. *New England Journal of Medicine*, **1978**, 299, 976-9	59.2	204
284	CYP2R1 is a major, but not exclusive, contributor to 25-hydroxyvitamin D production in vivo. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 15650-5	11.5	201
283	Biologically active metabolite of vitamin D3 from bone, liver, and blood serum. *Journal of Lipid Research*, **1966**, 7, 739-744	6.3	195
282	Is the vitamin d receptor found in muscle?. *Endocrinology*, **2011**, 152, 354-63	4.8	192

281	25-Hydroxycholecalciferol-1-hydroxylase. *Journal of Biological Chemistry*, **1972**, 247, 7528-7532	5.4	183
280	In vitro production of 25-hydroxycholecalciferol. *Biochemical and Biophysical Research Communications*, **1969**, 36, 251-6	3.4	179
279	Human 25-hydroxyvitamin D3-24-hydroxylase, a multicatalytic enzyme. *Biochemistry*, **1996**, 35, 8465-72	3.2	176
278	A new analog of calcitriol, 19-nor-1,25-(OH)2D2, suppresses parathyroid hormone secretion in uremic rats in the absence of hypercalcemia. *American Journal of Kidney Diseases*, **1995**, 26, 852-60	7.4	170
277	25-Hydroxyvitamin D3-24-hydroxylase. Subcellular location and properties. *Biochemistry*, **1974**, 13, 1543-8	3.2	168
276	Molecular structure of the rat vitamin D receptor ligand binding domain complexed with 2-carbon-substituted vitamin D3 hormone analogues and a LXXLL-containing coactivator peptide. *Biochemistry*, **2004**, 43, 4101-10	3.2	166
275	A potent analog of 1alpha,25-dihydroxyvitamin D3 selectively induces bone formation. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 13487-91	11.5	166
274	UV radiation suppresses experimental autoimmune encephalomyelitis independent of vitamin D production. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 6418-23	11.5	162
273	Evolution of our understanding of vitamin D. *Nutrition Reviews*, **2008**, 66, S73-87	6.4	162
272	Two vitamin D response elements function in the rat 1,25-dihydroxyvitamin D 24-hydroxylase promoter. *Journal of Biological Chemistry*, **1995**, 270, 1675-8	5.4	153
271	Cellular mechanisms of insulin release: the effects of vitamin D deficiency and repletion on rat insulin secretion. *Endocrinology*, **1983**, 113, 1511-8	4.8	153
270	Molecular cloning of cDNA and genomic DNA for human 25-hydroxyvitamin D3 1 alpha-hydroxylase. *Biochemical and Biophysical Research Communications*, **1997**, 239, 527-33	3.4	152
269	The synthesis of [1,2-3H]vitamin D3 and the tissue localization of a 0.25-mu-g (10 IU) dose per rat. *Biochemistry*, **1966**, 5, 2201-7	3.2	152
268	THE RELATIONSHIP BETWEEN VITAMIN D AND PARATHYROID HORMONE. *Journal of Clinical Investigation*, **1963**, 42, 1940-6	15.9	151
267	Vitamin D homeostasis in the perinatal period: 1,25-dihydroxyvitamin D in maternal, cord, and neonatal blood. *New England Journal of Medicine*, **1980**, 302, 315-9	59.2	150
266	New 1alpha,25-dihydroxy-19-norvitamin D3 compounds of high biological activity: synthesis and biological evaluation of 2-hydroxymethyl, 2-methyl, and 2-methylene analogues. *Journal of Medicinal Chemistry*, **1998**, 41, 4662-74	8.3	149
265	The role of 1,25-dihydroxyvitamin D3 and parathyroid hormone in the regulation of chick renal 25-hydroxyvitamin D3-24-hydroxylase. *Archives of Biochemistry and Biophysics*, **1975**, 171, 521-6	4.1	146
264	1,25-dihydroxy-19-nor-vitamin D3, a novel vitamin D-related compound with potential therapeutic activity. *Tetrahedron Letters*, **1990**, 31, 1823-1824	2	145

263	Effect of vitamin D deficiency on fertility and reproductive capacity in the female rat. *Journal of Nutrition*, **1980**, 110, 1573-80	4.1	144
262	Role of vitamin D metabolites in phosphate transport of rat intestine. *Journal of Nutrition*, **1974**, 104, 1056-60	4.1	143
261	Intestinal cytosol binders of 1,25-dihydroxyvitamin D and 25-hydroxyvitamin D. *Archives of Biochemistry and Biophysics*, **1976**, 176, 779-87	4.1	141
260	Rickets with alopecia: an inborn error of vitamin D metabolism. *Journal of Pediatrics*, **1979**, 94, 729-35	3.6	139
259	Evidence that 1,25-dihydroxyvitamin D3 is the physiologically active metabolite of vitamin D3. *Endocrine Reviews*, **1985**, 6, 491-511	27.2	135
258	Metabolism of vitamin D3-3H in human subjects: distribution in blood, bile, feces, and urine. *Journal of Clinical Investigation*, **1967**, 46, 983-92	15.9	132
257	Oral administration of 1,25-dihydroxyvitamin D3 completely protects NOD mice from insulin-dependent diabetes mellitus. *Archives of Biochemistry and Biophysics*, **2003**, 417, 77-80	4.1	131
256	Absence of seasonal variation in serum concentrations of 1,25-dihydroxyvitamin D despite a rise in 25-hydroxyvitamin D in summer. *Journal of Clinical Endocrinology and Metabolism*, **1981**, 53, 139-42	5.6	131
255	Regulation of 25-hydroxyvitamin D3 1alpha-hydroxylase gene expression by parathyroid hormone and 1,25-dihydroxyvitamin D3. *Archives of Biochemistry and Biophysics*, **2000**, 381, 143-52	4.1	129
254	Mechanism of action and metabolic fate of vitamin D. *Vitamins and Hormones*, **1967**, 25, 315-67	2.5	129
253	Mechanisms and functions of vitamin D. *Nutrition Reviews*, **1998**, 56, S4-10; discussion S 54-75	6.4	127
252	Monoclonal antibodies to the porcine intestinal receptor for 1,25-dihydroxyvitamin D3: interaction with distinct receptor domains. *Biochemistry*, **1986**, 25, 4523-34	3.2	126
251	Gene expression profiles in rat intestine identify pathways for 1,25-dihydroxyvitamin D(3) stimulated calcium absorption and clarify its immunomodulatory properties. *Archives of Biochemistry and Biophysics*, **2004**, 432, 152-66	4.1	124
250	Vitamin D assays and the definition of hypovitaminosis D: results from the First International Conference on Controversies in Vitamin D. *British Journal of Clinical Pharmacology*, **2018**, 84, 2194-2207	3.8	120
249	Plasma concentrations of vitamin D3 and its metabolites in the rat as influenced by vitamin D3 or 25-hydroxyvitamin D3 intakes. *Archives of Biochemistry and Biophysics*, **1980**, 202, 43-53	4.1	119
248	History of the discovery of vitamin D and its active metabolites. *BoneKEy Reports*, **2014**, 3, 479		116
247	21,25-dihydroxycholecalciferol. A metabolite of vitamin D3 preferentially active on bone. *Biochemistry*, **1970**, 9, 2917-22	3.2	114
246	The Regulation of Rat Liver Calciferol-25-hydroxylase. *Journal of Biological Chemistry*, **1973**, 248, 2969-2973	5.4	113

245	Dietary calcium is a major factor in 1,25-dihydroxycholecalciferol suppression of experimental autoimmune encephalomyelitis in mice. *Journal of Nutrition*, **1999**, 129, 1966-71	4.1	110
244	Isolation and characterization of 1 alpha-hydroxy-23-carboxytetranorvitamin D: a major metabolite of 1,25-dihydroxyvitamin D3. *Biochemistry*, **1979**, 18, 3977-83	3.2	108
243	THE PREPARATION OF H3-VITAMINS D2 AND D3--THEIR LOCALIZATION IN THE RAT. *Biochemistry*, **1963**, 2, 1160-8	3.2	108
242	Vitamin D receptor null mutant mice fed high levels of calcium are fertile. *Journal of Nutrition*, **2001**, 131, 1787-91	4.1	104
241	Isolation and identification of 1,25-dihydroxyvitamin D2. *Biochemistry*, **1975**, 14, 1250-6	3.2	102
240	1 alpha-Hydroxylated cholecalciferol compounds act additively with microbial phytase to improve phosphorus, zinc and manganese utilization in chicks fed soy-based diets. *Journal of Nutrition*, **1995**, 125, 2407-16	4.1	101
239	Calcium transport and the role of vitamin D. *Archives of Biochemistry and Biophysics*, **1969**, 134, 139-48	4.1	101
238	Vitamin D and autoimmune diabetes. *Journal of Cellular Biochemistry*, **2003**, 88, 216-22	4.7	100
237	Novel synthesis of 19-nor-vitamin D compounds. *Tetrahedron Letters*, **1991**, 32, 7663-7666	2	99
236	The synthesis of 25-hydroxycholecalciferol. A biologically active metabolite of vitamin D3. *Biochemistry*, **1969**, 8, 671-5	3.2	97
235	The vitamin D receptor is necessary for 1alpha,25-dihydroxyvitamin D(3) to suppress experimental autoimmune encephalomyelitis in mice. *Archives of Biochemistry and Biophysics*, **2002**, 408, 200-4	4.1	96
234	Vitamin A antagonizes the action of vitamin D in rats. *Journal of Nutrition*, **1999**, 129, 2246-50	4.1	94
233	Prolongation of allograft survival by 1,25-dihydroxyvitamin D3. *Transplantation*, **1998**, 66, 824-8	1.8	91
232	Regulation of 25-hydroxyvitamin D3-24-hydroxylase mRNA by 1,25-dihydroxyvitamin D3 and parathyroid hormone. *Journal of Cellular Biochemistry*, **2003**, 88, 234-7	4.7	87
231	Tissue distribution of the 1,25-dihydroxyvitamin D3 receptor in the male rat. *Biochemical and Biophysical Research Communications*, **1991**, 181, 611-6	3.4	86
230	The isolation and identification of 25-hydroxyergocalciferol. *Biochemistry*, **1969**, 8, 3515-20	3.2	85
229	Intestinal 1,25-dihydroxyvitamin D3 binding protein: specificity of binding. *Steroids*, **1977**, 30, 245-57	2.8	84
228	26,26,26,27,27,27-hexafluoro-1,25-dihydroxyvitamin D3: a highly potent, long-lasting analog of 1,25-dihydroxyvitamin D3. *Archives of Biochemistry and Biophysics*, **1984**, 229, 348-54	4.1	83

227	TRPV6 is not required for 1alpha,25-dihydroxyvitamin D3-induced intestinal calcium absorption in vivo. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 19655-9	11.5	82
226	2-Methylene-19-nor-(20S)-1,25-dihydroxyvitamin D3 potently stimulates gene-specific DNA binding of the vitamin D receptor in osteoblasts. *Journal of Biological Chemistry*, **2003**, 278, 31756-65	5.4	81
225	Hypophosphatemia is responsible for skeletal muscle weakness of vitamin D deficiency. *Archives of Biochemistry and Biophysics*, **2010**, 500, 157-61	4.1	78
224	Calbindin D(9k) knockout mice are indistinguishable from wild-type mice in phenotype and serum calcium level. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 12377-81	11.5	77
223	Direct chemical synthesis of 1 alpha,25-dihydroxy[26,27-3H]vitamin D3 with high specific activity: its use in receptor studies. *Biochemistry*, **1980**, 19, 2515-21	3.2	75
222	Calbindin D9k is not required for 1,25-dihydroxyvitamin D3-mediated Ca2+ absorption in small intestine. *Archives of Biochemistry and Biophysics*, **2007**, 460, 227-32	4.1	74
221	The influence of dietary calcium and phosphorus on intestinal calcium transport in rats given vitamin D metabolites. *Archives of Biochemistry and Biophysics*, **1975**, 170, 529-35	4.1	74
220	BIOLOGICALLY ACTIVE FORMS OF VITAMIN D3 IN KIDNEY AND INTESTINE. *Archives of Biochemistry and Biophysics*, **1964**, 108, 12-21	4.1	74
219	Minireview: Vitamin D: is there a role in extraskeletal health?. *Endocrinology*, **2011**, 152, 2930-6	4.8	72
218	Response to crystalline 1alpha-hydroxyvitamin D3 in vitamin D dependency. *Pediatric Research*, **1975**, 9, 593-9	3.2	72
217	In vivo upregulation of interleukin-4 is one mechanism underlying the immunoregulatory effects of 1,25-dihydroxyvitamin D(3). *Archives of Biochemistry and Biophysics*, **2000**, 377, 135-8	4.1	70
216	Intestinal calcium absorption in the aged rat: evidence of intestinal resistance to 1,25(OH)2 vitamin D. *Endocrinology*, **1998**, 139, 3843-8	4.8	70
215	1,25-Dihydroxyvitamin D3 prolongs graft survival without compromising host resistance to infection or bone mineral density. *Transplantation*, **1998**, 66, 828-31	1.8	70
214	1,25-Dihydroxyvitamin D is not responsible for toxicity caused by vitamin D or 25-hydroxyvitamin D. *Archives of Biochemistry and Biophysics*, **2011**, 505, 226-30	4.1	69
213	Assessment of 25-hydroxyvitamin D 1 alpha-hydroxylase reserve in postmenopausal osteoporosis by administration of parathyroid extract. *Journal of Clinical Endocrinology and Metabolism*, **1981**, 53, 833-5	5.6	69
212	Synthesis, biological evaluation, and conformational analysis of A-ring diastereomers of 2-methyl-1,25-dihydroxyvitamin D(3) and their 20-epimers: unique activity profiles depending on the stereochemistry of the A-ring and at C-20. *Journal of Medicinal Chemistry*, **2000**, 43, 4247-65	8.3	68
211	Identification of a highly specific and versatile vitamin D receptor antibody. *Archives of Biochemistry and Biophysics*, **2010**, 494, 166-77	4.1	66
210	1,25-Dihydroxyvitamin D3 Controls a Cohort of Vitamin D Receptor Target Genes in the Proximal Intestine That Is Enriched for Calcium-regulating Components. *Journal of Biological Chemistry*, **2015**, 290, 18199-18215	5.4	65

209	CYP27B1 null mice with LacZreporter gene display no 25-hydroxyvitamin D3-1alpha-hydroxylase promoter activity in the skin. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 75-80	11.5	64
208	Association between intestinal vitamin D receptor, calcium absorption, and serum 1,25 dihydroxyvitamin D in normal young and elderly women. *Journal of Bone and Mineral Research*, **1997**, 12, 922-8	6.3	63
207	Retinoic acid is detected at relatively high levels in the CNS of adult rats. *American Journal of Physiology - Endocrinology and Metabolism*, **2002**, 282, E672-8	6	62
206	2-Ethyl and 2-ethylidene analogues of 1alpha,25-dihydroxy-19-norvitamin D(3): synthesis, conformational analysis, biological activities, and docking to the modeled rVDR ligand binding domain. *Journal of Medicinal Chemistry*, **2002**, 45, 3366-80	8.3	62
205	Conformationally restricted analogs of 1 alpha, 25-dihydroxyvitamin D3 and its 20-epimer: compounds for study of the three-dimensional structure of vitamin D responsible for binding to the receptor. *Journal of Medicinal Chemistry*, **1996**, 39, 2727-37	8.3	62
204	Isolation and characterization of unsaturated fatty acids as natural ligands for the retinoid-X receptor. *Archives of Biochemistry and Biophysics*, **2003**, 420, 185-93	4.1	61
203	Spleen serves as a reservoir of osteoclast precursors through vitamin D-induced IL-34 expression in osteopetrotic op/op mice. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 10006-11	11.5	60
202	Crystal structures of rat vitamin D receptor bound to adamantyl vitamin D analogs: structural basis for vitamin D receptor antagonism and partial agonism. *Journal of Medicinal Chemistry*, **2008**, 51, 5320-9	8.3	59
201	New 2-alkylidene 1alpha,25-dihydroxy-19-norvitamin D3 analogues of high intestinal activity: synthesis and biological evaluation of 2-(3Palkoxypropylidene) and 2-(3Phydroxypropylidene) derivatives. *Journal of Medicinal Chemistry*, **2006**, 49, 2909-20	8.3	59
200	Regulation of the murine renal vitamin D receptor by 1,25-dihydroxyvitamin D3 and calcium. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 9733-7	11.5	59
199	Metaboism of 25-hydroxycholecalciferol in target and nontarget tissues. *Biochemistry*, **1970**, 9, 3649-52	3.2	59
198	Citrate and action of vitamin D on calcium and phosphorus metabolism. *American Journal of Physiology*, **1963**, 204, 833-6		57
197	Biologically active noncalcemic analogs of 1alpha,25-dihydroxyvitamin D with an abbreviated side chain containing no hydroxyl. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 6900-4	11.5	54
196	Regulation of the procine 1,25-dihydroxyvitamin D3-24-hydroxylase (CYP24) by 1,25-dihydroxyvitamin D3 and parathyroid hormone in AOK-B50 cells. *Archives of Biochemistry and Biophysics*, **2000**, 381, 323-7	4.1	54
195	Synergistic effect of progesterone, testosterone, and estradiol in the stimulation of chick renal 25-hydroxyvitamin D3-1alpha-hydroxylase. *Endocrinology*, **1978**, 103, 2035-9	4.8	54
194	Vitamin D compounds in cowsPmilk. *Journal of Nutrition*, **1982**, 112, 667-72	4.1	53
193	Synthesis and biological activity of 2-hydroxy and 2-alkoxy analogs of 1 alpha,25-dihydroxy-19-norvitamin D3. *Journal of Medicinal Chemistry*, **1994**, 37, 3730-8	8.3	52
192	Thyrotropes in the pituitary are target cells for 1,25 dihydroxy vitamin D3. *Cell and Tissue Research*, **1980**, 209, 161-6	4.2	51

191	Direct C(1) hydroxylation of vitamin D3 and related compounds. *Journal of Organic Chemistry*, **1980**, 45, 3253-3258	4.2	50
190	The regulation of 24,25-dihydroxyvitamin D3 production in cultures of monkey kidney cells. *Endocrinology*, **1977**, 101, 1184-93	4.8	50
189	Vitamin D: Historical Overview. *Vitamins and Hormones*, **2016**, 100, 1-20	2.5	50
188	Effects of increasing doses of 1 alpha-hydroxyvitamin D2 on calcium homeostasis in postmenopausal osteopenic women. *Journal of Bone and Mineral Research*, **1994**, 9, 607-14	6.3	48
187	Identification of the vitamin D receptor in osteoblasts and chondrocytes but not osteoclasts in mouse bone. *Journal of Bone and Mineral Research*, **2014**, 29, 685-92	6.3	47
186	Development of experimental autoimmune encephalomyelitis (EAE) in mice requires vitamin D and the vitamin D receptor. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 8501-4	11.5	47
185	CD8(+) T cells are not necessary for 1 alpha,25-dihydroxyvitamin D(3) to suppress experimental autoimmune encephalomyelitis in mice. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 5557-60	11.5	46
184	Molecular biology of vitamin D action. *Vitamins and Hormones*, **1994**, 49, 281-326	2.5	46
183	Interaction between vitamin D receptor and vitamin D ligands: two-dimensional alanine scanning mutational analysis. *Chemistry and Biology*, **2003**, 10, 261-70		45
182	Vitamin D and calcium metabolism. *Topics in Current Chemistry*, **1979**, 83, 1-65		45
181	A highly sensitive method for large-scale measurements of 1,25-dihydroxyvitamin D. *Analytical Biochemistry*, **1998**, 255, 148-54	3.1	44
180	1,25-Dihydroxyvitamin D3 regulates genes responsible for detoxification in intestine. *Toxicology and Applied Pharmacology*, **2007**, 218, 37-44	4.6	44
179	Mechanism of action of superactive vitamin D analogs through regulated receptor degradation. *Journal of Cellular Biochemistry*, **2000**, 76, 548-558	4.7	44
178	1 alpha, 25-Dihydroxyvitamin D3 and 19-nor-1 alpha, 25-dihydroxyvitamin D2 suppress immunoglobulin production and thymic lymphocyte proliferation in vivo. *Biochimica Et Biophysica Acta - General Subjects*, **1993**, 1158, 279-86	4	44
177	Retinol in addition to retinoic acid is required for successful gestation in vitamin A-deficient rats. *Biology of Reproduction*, **1995**, 53, 1392-7	3.9	43
176	The vitamin D-induced differentiation of HL-60 cells: structural requirements. *Steroids*, **1987**, 49, 73-102	2.8	43
175	A bioassay capable of measuring 1 picogram of 1,25-dihydroxyvitamin D3. *Journal of Clinical Endocrinology and Metabolism*, **1978**, 46, 891-6	5.6	42
174	Analysis of binding of the 1,25-dihydroxyvitamin D3 receptor to positive and negative vitamin D response elements. *Archives of Biochemistry and Biophysics*, **1996**, 334, 223-34	4.1	41

173	Ligand-specific structural changes in the vitamin D receptor in solution. *Biochemistry*, **2011**, 50, 11025-33	3.2	40
172	Identification of the vitamin D receptor in various cells of the mouse kidney. *Kidney International*, **2012**, 81, 993-1001	9.9	40
171	Synthesis of 25-hydroxy[26,27-3h]vitamin D3 with high specific activity. *Analytical Biochemistry*, **1979**, 96, 481-8	3.1	40
170	Recent advances in the molecular biology of vitamin D action. *Progress in Molecular Biology and Translational Science*, **1996**, 53, 321-44		39
169	Cloning and origin of the two forms of chicken vitamin D receptor. *Archives of Biochemistry and Biophysics*, **1997**, 339, 99-106	4.1	38
168	Stimulation of lead absorption by vitamin D administration. *Journal of Nutrition*, **1978**, 108, 843-7	4.1	38
167	1,25-Dihydroxyvitamin D3 up-regulates the renal vitamin D receptor through indirect gene activation and receptor stabilization. *Archives of Biochemistry and Biophysics*, **2005**, 433, 466-73	4.1	37
166	Reproductive defects are corrected in vitamin d-deficient female rats fed a high calcium, phosphorus and lactose diet. *Journal of Nutrition*, **2002**, 132, 2270-3	4.1	37
165	A new vitamin D analog, 2MD, restores trabecular and cortical bone mass and strength in ovariectomized rats with established osteopenia. *Journal of Bone and Mineral Research*, **2005**, 20, 1742-55	6.3	37
164	Synthesis and biological activity of 1 alpha, 25-dihydroxy-18-norvitamin D3 and 1 alpha, 25-dihydroxy-18,19-dinorvitamin D3. *Journal of Medicinal Chemistry*, **1996**, 39, 4497-506	8.3	37
163	1 alpha-hydroxy-25-fluorovitamin D3: a potent analogue of 1 alpha,25-dihydroxyvitamin D3. *Biochemistry*, **1978**, 17, 2387-92	3.2	37
162	Vitamin D deficiency diminishes the severity and delays onset of experimental autoimmune encephalomyelitis. *Archives of Biochemistry and Biophysics*, **2011**, 513, 140-3	4.1	36
161	Characterization of intestinal phosphate absorption using a novel in vivo method. *American Journal of Physiology - Endocrinology and Metabolism*, **2007**, 292, E1917-21	6	35
160	Salt concentration determines 1,25-dihydroxyvitamin D3 dependency of vitamin D receptor-retinoid X receptor--vitamin D-responsive element complex formation. *Archives of Biochemistry and Biophysics*, **1997**, 341, 75-80	4.1	34
159	New analogs of 2-methylene-19-nor-(20S)-1,25-dihydroxyvitamin D3 with conformationally restricted side chains: evaluation of biological activity and structural determination of VDR-bound conformations. *Archives of Biochemistry and Biophysics*, **2007**, 460, 161-5	4.1	34
158	Vitamin D metabolism. *Clinical Endocrinology*, **1977**, 7 Suppl, 1s-17s	3.4	34
157	Stereoselective syntheses of (22R)- and (22S)-22-methyl-1.alpha.,25-dihydroxyvitamin D3: active vitamin D3 analogs with restricted side-chain conformation. *Journal of Organic Chemistry*, **1993**, 58, 2530-2537	4.2	33
156	Effect of lead ingestion on functions of vitamin D and its metabolites. *Journal of Nutrition*, **1981**, 111, 1321-9	4.1	33

155	Nuclear receptor 4A2 and C/EBPbeta regulate the parathyroid hormone-mediated transcriptional regulation of the 25-hydroxyvitamin D3-1alpha-hydroxylase. *Archives of Biochemistry and Biophysics* , **2007**, 460, 233-9	4.1	32
154	Bone resorption activity of all-trans retinoic acid is independent of vitamin D in rats. *Journal of Nutrition*, **2003**, 133, 777-83	4.1	32
153	Metabolites of 1 alpha, 25-dihydroxyvitamin D3 in rat bile. *Biochemistry*, **1980**, 19, 4124-30	3.2	32
152	1,25-Dihydroxyvitamin D(3) and its analog, 2-methylene-19-nor-(20S)-1,25-dihydroxyvitamin D(3) (2MD), suppress intraocular pressure in non-human primates. *Archives of Biochemistry and Biophysics*, **2012**, 518, 53-60	4.1	30
151	Identification of a highly potent vitamin D receptor antagonist: (25S)-26-adamantyl-25-hydroxy-2-methylene-22,23-didehydro-19,27-dinor-20-epi-vitamin D3 (ADMI3). *Archives of Biochemistry and Biophysics*, **2007**, 460, 240-53	4.1	30
150	All-trans retinoic acid antagonizes the action of calciferol and its active metabolite, 1,25-dihydroxycholecalciferol, in rats. *Journal of Nutrition*, **2005**, 135, 1647-52	4.1	30
149	Parathyroid hormone decreases renal vitamin D receptor expression in vivo. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 4724-8	11.5	30
148	Metabolism of a physiological amount of all-trans-retinol in the vitamin A-deficient rat. *Archives of Biochemistry and Biophysics*, **2001**, 393, 262-70	4.1	30
147	A new vaginal smear assay for vitamin A in rats. *Journal of Nutrition*, **1982**, 112, 1481-9	4.1	30
146	New 19-nor-(20S)-1alpha,25-dihydroxyvitamin D3 analogs strongly stimulate osteoclast formation both in vivo and in vitro. *Bone*, **2007**, 40, 293-304	4.7	29
145	2MD, a new anabolic agent for osteoporosis treatment. *Osteoporosis International*, **2006**, 17, 704-15	5.3	29
144	The vitamin D receptor in the proximal renal tubule is a key regulator of serum 1,25-dihydroxyvitamin D *American Journal of Physiology - Endocrinology and Metabolism*, **2015**, 308, E201-5	6	28
143	Intestinal calcium transport: parathyroid hormone and adaptation to dietary calcium. *Archives of Biochemistry and Biophysics*, **1976**, 175, 256-61	4.1	28
142	Enhancement of 1,25-dihydroxyvitamin D3-mediated suppression of experimental autoimmune encephalomyelitis by calcitonin. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 5276-81	11.5	27
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