Hector F Deluca

List of Publications by Year in Descending Order

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	Novel superagonist analogs of 2-methylene calcitriol: Design, molecular docking, synthesis and biological evaluation. *Bioorganic Chemistry*, **2022**, 118, 105416	5.1	0
297	Vitamins | Vitamin D **2021**, 1115-1120		
296	Vitamin D binding protein greatly improves bioactivity but is not essential for orally administered vitamin D. *Physiological Reports*, **2021**, 9, e15138	2.6	
295	Synthesis and Biological Activity of 2,22-Dimethylene Analogues of 19-Norcalcitriol and Related Compounds. *Journal of Medicinal Chemistry*, **2020**, 63, 7355-7368	8.3	2
294	Nonskeletal effects of vitamin D: Current status and potential paths forward **2020**, 757-774		
293	A New 1,25 Dihydroxy Vitamin D Analog with Strong Bone Anabolic Activity in OVX Rats with Little or no Bone Resorptive Activity. *Journal of Bone and Mineral Research*, **2020**, 35, 623-630	6.3	1
292	UV light suppression of EAE (a mouse model of multiple sclerosis) is independent of vitamin D and its receptor. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 22552-22555	11.5	10
291	Vitamin D is not required for adaptive immunity to listeria. *Physiological Reports*, **2019**, 7, e14209	2.6	0
290	Vitamin D binding protein is required to utilize skin-generated vitamin D. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 24527-24532	11.5	12
289	Vitamin D deficiency in the rat does not exacerbate colonic tumorigenesis, while low dietary calcium might be protective. *DMM Disease Models and Mechanisms*, **2018**, 11,	4.1	4
288	Historical Overview of Vitamin D **2018**, 3-12		
287	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
286	Design, synthesis and biological properties of seco-d-ring modified 1,25-dihydroxyvitamin D analogues. *Journal of Steroid Biochemistry and Molecular Biology*, **2017**, 171, 144-154	5.1	2
285	Synthesis, molecular modelling and CYP24A1 inhibitory activity of novel of (E)-N-(2-(1H-imidazol-1-yl)-2-(phenylethyl)-3/4-styrylbenzamides. *Bioorganic and Medicinal Chemistry*, **2017**, 25, 4076-4087	3.4	3
284	2MD (DP001), a Single Agent in the Management of Hemodialysis Patients: A Randomized Trial. *American Journal of Nephrology*, **2017**, 45, 40-48	4.6	7
283	Differential activity of 2-methylene-19-nor vitamin D analogs on growth factor gene expression in rhino mouse skin and comparison to all-trans retinoic acid. *PLoS ONE*, **2017**, 12, e0188887	3.7	2
282	Suppression of experimental autoimmune encephalomyelitis by ultraviolet light is not mediated by isomerization of urocanic acid. *BMC Neuroscience*, **2017**, 18, 8	3.2	6

281	Analysis of the binding sites of vitamin D 1-hydroxylase (CYP27B1) and vitamin D 24-hydroxylase (CYP24A1) for the design of selective CYP24A1 inhibitors: Homology modelling, molecular dynamics simulations and identification of key binding requirements. *Bioorganic and Medicinal Chemistry*, **2017**, 25, 5629-5636	3.4	8
280	Synthesis and Biological Evaluation of Cyclopropylamine Vitamin D-Like CYP24A1 Inhibitors. *ChemistrySelect*, **2017**, 2, 8346-8353	1.8	1
279	D-seco-Vitamin D analogs having reversed configurations at C-13 and C-14: Synthesis, docking studies and biological evaluation. *Journal of Steroid Biochemistry and Molecular Biology*, **2017**, 173, 57-63	5.1	0
278	Pharmacokinetics of a New Oral Vitamin D Receptor Activator (2-Methylene-19-Nor-(20S)-1,25-Dihydroxyvitamin D) in Patients with Chronic Kidney Disease and Secondary Hyperparathyroidism on Hemodialysis. *Drugs in R and D*, **2017**, 17, 597-605	3.4	1
277	Salate derivatives found in sunscreens block experimental autoimmune encephalomyelitis in mice. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 8528-8531	11.5	4
276	The association of mineral metabolism with vascular access patency. *Journal of Vascular Access*, **2016**, 17, 392-396	1.8	5
275	Use of 2MD, a Novel Oral Calcitriol Analog, in Hemodialysis Patients with Secondary Hyperparathyroidism. *American Journal of Nephrology*, **2016**, 43, 213-20	4.6	9
274	A new suprasterol by photochemical reaction of 1,25-dihydroxy-9-methylene-19-norvitamin D3. *Organic and Biomolecular Chemistry*, **2016**, 14, 1646-52	3.9	1
273	A novel, fully-automated, chemiluminescent assay for the detection of 1,25-dihydroxyvitamin D in biological samples. *Journal of Steroid Biochemistry and Molecular Biology*, **2016**, 164, 120-126	5.1	22
272	Vitamin D: Historical Overview. *Vitamins and Hormones*, **2016**, 100, 1-20	2.5	50
271	The absence of 25-hydroxyvitamin D3-1-hydroxylase potentiates the suppression of EAE in mice by ultraviolet light. *Journal of Steroid Biochemistry and Molecular Biology*, **2016**, 163, 98-102	5.1	8
270	Analogs of 1,25-Dihydroxyvitamin D in Clinical Use. *Vitamins and Hormones*, **2016**, 100, 151-64	2.5	10
269	Vitamin D Metabolism in Normal and Chronic Kidney Disease States **2016**, 3-17		
268	Novel 9-Alkyl- and 9-Alkylidene-Substituted 1,25-Dihydroxyvitamin D3 Analogues: Synthesis and Biological Examinations. *Journal of Medicinal Chemistry*, **2015**, 58, 6237-47	8.3	6
267	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
266	Vitamin D deficiency independent of hypocalcemia elevates blood pressure in rats. *Biochemical and Biophysical Research Communications*, **2015**, 461, 589-91	3.4	11
265	Synthesis and Biological Activity of 2-Methylene Analogues of Calcitriol and Related Compounds. *Journal of Medicinal Chemistry*, **2015**, 58, 9653-62	8.3	5
264	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

263	Is there more to learn about functional vitamin D metabolism?. *Journal of Steroid Biochemistry and Molecular Biology*, **2015**, 148, 3-6	5.1	10
262	A Methylene Group on C-2 of 24,24-Difluoro-19-nor-1,25-dihydroxyvitamin D3 Markedly Increases Bone Calcium Mobilization in Vivo. *Journal of Medicinal Chemistry*, **2015**, 58, 9731-41	8.3	7
261	Cholecalciferol or 25-hydroxycholecalciferol neither prevents nor treats adenomas in a rat model of familial colon cancer. *Journal of Nutrition*, **2015**, 145, 291-8	4.1	11
260	UV light selectively inhibits spinal cord inflammation and demyelination in experimental autoimmune encephalomyelitis. *Archives of Biochemistry and Biophysics*, **2015**, 567, 75-82	4.1	18
259	History of the discovery of vitamin D and its active metabolites. *BoneKEy Reports*, **2014**, 3, 479		116
258	Synthesis and Biological Activity of 25-Hydroxy-2-methylene-vitamin D3 analogues monohydroxylated in the A-ring. *Journal of Medicinal Chemistry*, **2014**, 57, 8319-31	8.3	7
257	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
256	Small-molecule inhibitors of 25-hydroxyvitamin D-24-hydroxylase (CYP24A1): synthesis and biological evaluation. *Journal of Medicinal Chemistry*, **2014**, 57, 7702-15	8.3	14
255	The development of a bone- and parathyroid-specific analog of vitamin D: 2-methylene-19-Nor-(20S)-1,25-dihydroxyvitamin D3. *BoneKEy Reports*, **2014**, 3, 514		10
254	Novel styryl-indoles as small molecule inhibitors of 25-hydroxyvitamin D-24-hydroxylase (CYP24A1): Synthesis and biological evaluation. *European Journal of Medicinal Chemistry*, **2014**, 87, 39-51	6.8	5
253	26-Desmethyl-2-methylene-22-ene-19-nor-1,25-dihydroxyvitamin D3 compounds selectively active on intestine. *Steroids*, **2014**, 83, 27-38	2.8	
252	Novel, selective vitamin D analog suppresses parathyroid hormone in uremic animals and postmenopausal women. *American Journal of Nephrology*, **2014**, 39, 476-83	4.6	13
251	Synthesis and biological activity of 25-hydroxy-2-methylene-vitamin D3 compounds. *Journal of Steroid Biochemistry and Molecular Biology*, **2013**, 136, 17-22	5.1	4
250	Synthesis and biological evaluation of novel 6-substituted analogs of 1,25-dihydroxy-19-norvitamin D3. *Journal of Steroid Biochemistry and Molecular Biology*, **2013**, 136, 30-3	5.1	8
249	Highly potent 2-methylene analogs of 1,25-dihydroxyvitamin D3: synthesis and biological evaluation. *Journal of Steroid Biochemistry and Molecular Biology*, **2013**, 136, 9-13	5.1	7
248	Ring-A-seco analogs of 1,25-dihydroxy-19-norvitamin D3. *Journal of Steroid Biochemistry and Molecular Biology*, **2013**, 136, 39-43	5.1	2
247	26- and 27-Methyl groups of 2-substituted, 19-nor-1,25-dihydroxylated vitamin D compounds are essential for calcium mobilization in vivo. *Bioorganic Chemistry*, **2013**, 47, 9-16	5.1	4
246	Suppression of experimental autoimmune encephalomyelitis by 300-315nm ultraviolet light. *Archives of Biochemistry and Biophysics*, **2013**, 536, 81-6	4.1	25

245	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
244	VITAMIN D SCIENCE, WARF, AND UNIVERSITY OF WISCONSIN-MADISON. *Technology and Innovation* , **2013**, 15, 187-195	0.7	
243	Efficient stable isotope labeling and purification of vitamin D receptor from inclusion bodies. *Protein Expression and Purification*, **2012**, 85, 25-31	2	1
242	A 20S combined with a 22R configuration markedly increases both in vivo and in vitro biological activity of 1,25-dihydroxy-22-methyl-2-methylene-19-norvitamin D3. *Journal of Medicinal Chemistry*, **2012**, 55, 4352-66	8.3	11
241	Synthesis and biological activities of vitamin D-like inhibitors of CYP24 hydroxylase. *Steroids*, **2012**, 77, 212-23	2.8	23
240	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
239	Where is the vitamin D receptor?. *Archives of Biochemistry and Biophysics*, **2012**, 523, 123-33	4.1	340
238	Identification of the vitamin D receptor in various cells of the mouse kidney. *Kidney International*, **2012**, 81, 993-1001	9.9	40
237	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
236	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
235	Synthesis and biological activity of 2-(3-hydroxypropylidene)-1-hydroxy-19-norvitamin D analogues with shortened alkyl side chains. *Journal of Medicinal Chemistry*, **2011**, 54, 6832-42	8.3	11
234	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
233	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
232	13,13-Dimethyl-des-C,D analogues of (20S)-1,25-dihydroxy-2-methylene-19-norvitamin D (2MD): total synthesis, docking to the VDR, and biological evaluation. *Bioorganic and Medicinal Chemistry*, **2011**, 19, 7205-20	3.4	8
231	The importance of stereochemistry on the actions of vitamin D. *Current Topics in Medicinal Chemistry*, **2011**, 11, 840-59	3	12
230	The vitamin D analogue 2MD increases bone turnover but not BMD in postmenopausal women with osteopenia: results of a 1-year phase 2 double-blind, placebo-controlled, randomized clinical trial. *Journal of Bone and Mineral Research*, **2011**, 26, 538-45	6.3	24
229	Ligand-specific structural changes in the vitamin D receptor in solution. *Biochemistry*, **2011**, 50, 11025-33	3.2	40
228	Minireview: Vitamin D: is there a role in extraskeletal health?. *Endocrinology*, **2011**, 152, 2930-6	4.8	72

227	Is the vitamin d receptor found in muscle?. *Endocrinology*, **2011**, 152, 354-63	4.8	192
226	Alterations in 1,25-Dihydroxyvitamin D 3 Structure that Produce Profound Changes in in Vivo Activity **2011**, 1429-1435		2
225	Vitamin D, disease and therapeutic opportunities. *Nature Reviews Drug Discovery*, **2010**, 9, 941-55	64.1	307
224	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
223	Identification of a unique subset of 2-methylene-19-nor analogs of vitamin D with comedolytic activity in the rhino mouse. *Journal of Investigative Dermatology*, **2010**, 130, 2359-67	4.3	14
222	Removal of the 26-methyl group from 19-nor-1,25-dihydroxyvitamin D markedly reduces in vivo calcemic activity without altering in vitro VDR binding, HL-60 cell differentiation, and transcription. *Journal of Medicinal Chemistry*, **2010**, 53, 8642-9	8.3	15
221	Synthesis and biological evaluation of 6-methyl analog of 1alpha,25-dihydroxyvitamin D3. *Journal of Steroid Biochemistry and Molecular Biology*, **2010**, 121, 29-33	5.1	7
220	New 1alpha,25-dihydroxy-19-norvitamin D3 analogs with a frozen A-ring conformation. *Journal of Steroid Biochemistry and Molecular Biology*, **2010**, 121, 46-50	5.1	6
219	1-desoxy analog of 2MD: synthesis and biological activity of (20S)-25-hydroxy-2-methylene-19-norvitamin D3. *Journal of Steroid Biochemistry and Molecular Biology*, **2010**, 121, 51-5	5.1	13
218	Identification of a highly specific and versatile vitamin D receptor antibody. *Archives of Biochemistry and Biophysics*, **2010**, 494, 166-77	4.1	66
217	Hypophosphatemia is responsible for skeletal muscle weakness of vitamin D deficiency. *Archives of Biochemistry and Biophysics*, **2010**, 500, 157-61	4.1	78
216	Screening of selective inhibitors of 1,25-dihydroxyvitamin D3 24-hydroxylase using recombinant human enzyme expressed in Escherichia coli. *Biochemistry*, **2010**, 49, 10403-11	3.2	15
215	The Functional Metabolism and Molecular Biology of Vitamin D Action **2010**, 61-97		5
214	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
213	The Functional Metabolism and Molecular Biology of Vitamin D Action. *Clinical Reviews in Bone and Mineral Metabolism*, **2009**, 7, 20-41	2.5	25
212	13-Methyl-substituted des-C,D analogs of (20S)-1alpha,25-dihydroxy-2-methylene-19-norvitamin D3 (2MD): synthesis and biological evaluation. *Bioorganic and Medicinal Chemistry*, **2009**, 17, 1747-63	3.4	13
211	Removal of the 20-methyl group from 2-methylene-19-nor-(20S)-1alpha,25-dihydroxyvitamin D(3) (2MD) selectively eliminates bone calcium mobilization activity. *Bioorganic and Medicinal Chemistry*, **2009**, 17, 7658-69	3.4	21
210	Diaminobutane (DAB) dendrimers are potent binders of oral phosphate. *Journal of Bone and Mineral Research*, **2009**, 24, 97-101	6.3	2

209	The calcitonin/calcitonin gene related peptide-alpha gene is not required for 1alpha,25-dihydroxyvitamin D3-mediated suppression of experimental autoimmune encephalomyelitis. *Archives of Biochemistry and Biophysics*, **2009**, 488, 105-8	4.1	5
208	Vitamin D and the parenteral nutrition patient. *Gastroenterology*, **2009**, 137, S79-91	13.3	18
207	New 1alpha,25-dihydroxy-19-norvitamin D(3) compounds constrained in a single A-ring conformation: synthesis of the analogues by ring-closing metathesis route and their biological evaluation. *Journal of Medicinal Chemistry*, **2009**, 52, 3496-504	8.3	16
206	Evolution of our understanding of vitamin D. *Nutrition Reviews*, **2008**, 66, S73-87	6.4	162
205	2-methylene-19-nor-20(S)-1alpha-hydroxy-bishomopregnacalciferol [20(S)-2MbisP], an analog of vitamin D3 [1,25(OH)2D3], does not stimulate intestinal phosphate absorption at levels previously shown to suppress parathyroid hormone. *Steroids*, **2008**, 73, 1277-84	2.8	5
204	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
203	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
202	Synthesis and biological properties of 2-methylene-19-nor-25-dehydro-1alpha-hydroxyvitamin D(3)-26,23-lactones--weak agonists. *Bioorganic and Medicinal Chemistry*, **2008**, 16, 8563-73	3.4	20
201	22-Alkyl-20-epi-1alpha,25-dihydroxyvitamin D3 compounds of superagonistic activity: syntheses, biological activities and interaction with the receptor. *Journal of Medicinal Chemistry*, **2007**, 50, 932-9	8.3	18
200	Design, synthesis, and biological evaluation of a 1alpha,25-dihydroxy-19-norvitamin D3 analogue with a frozen A-ring conformation. *Journal of Medicinal Chemistry*, **2007**, 50, 6154-64	8.3	20
199	1,25-Dihydroxyvitamin D3 regulates genes responsible for detoxification in intestine. *Toxicology and Applied Pharmacology*, **2007**, 218, 37-44	4.6	44
198	Effect of 2-methylene-19-nor-(20S)-1 alpha-hydroxy-bishomopregnacalciferol (2MbisP), an analog of vitamin D, on secondary hyperparathyroidism. *Journal of Bone and Mineral Research*, **2007**, 22, 686-94	6.3	14
197	Characterization of intestinal phosphate absorption using a novel in vivo method. *American Journal of Physiology - Endocrinology and Metabolism*, **2007**, 292, E1917-21	6	35
196	Methyl substitution of the 25-hydroxy group on 2-methylene-19-nor-1alpha,25-dihydroxyvitamin D3 (2MD) reduces potency but allows bone selectivity. *Archives of Biochemistry and Biophysics*, **2007** , 460, 274-84	4.1	15
195	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
194	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
193	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
192	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

191	Differential recruitment of coactivators to the vitamin D receptor transcriptional complex by 1alpha,25-dihydroxyvitamin D3 analogs. *Archives of Biochemistry and Biophysics*, **2007**, 465, 443-51	4.1	8
190	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
189	Selective analogs of 1alpha,25-dihydroxyvitamin D3 for the study of specific functions of Vitamin D. *Journal of Steroid Biochemistry and Molecular Biology*, **2007**, 103, 263-8	5.1	17
188	Synthesis and biological evaluation of a des-C,D-analog of 2-methylene-19-nor-1alpha,25-(OH)2D3. *Journal of Steroid Biochemistry and Molecular Biology*, **2007**, 103, 298-304	5.1	9
187	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
186	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
185	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
184	2MD, a new anabolic agent for osteoporosis treatment. *Osteoporosis International*, **2006**, 17, 704-15	5.3	29
183	Responsiveness of human retinoblastoma and neuroblastoma models to a non-calcemic 19-nor Vitamin D analog. *Journal of Steroid Biochemistry and Molecular Biology*, **2005**, 97, 165-72	5.1	14
182	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
181	Hypercalcemia produced by parathyroid hormone suppresses experimental autoimmune encephalomyelitis in female but not male mice. *Archives of Biochemistry and Biophysics*, **2005**, 442, 214-21	4.1	26
180	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
179	NMR assignments of tryptophan residue in apo and holo LBD-rVDR. *Proteins: Structure, Function and Bioinformatics*, **2005**, 61, 461-7	4.2	16
178	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
177	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
176	2-Carbon-Modified Analogs of 19-Nor-1,25-Dihydroxyvitamin D3 **2005**, 1543-1555		1
175	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
174	New derivative of 1$alpha;,25-dihydroxy-19-norvitamin D3 with 3$prime;-alkoxypropylidene moiety at C-2: synthesis, biological activity and conformational analysis*1. *Journal of Steroid Biochemistry and Molecular Biology*, **2004**, 89-90, 25-25	5.1	

173	2-Methylene analogs of 1Ehydroxy-19-norvitamin D3: synthesis, biological activities and docking to the ligand binding domain of the rat vitamin D receptor. *Journal of Steroid Biochemistry and Molecular Biology*, **2004**, 89-90, 13-13	5.1	
172	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
171	Model of three-dimensional structure of VDR bound with Vitamin D3 analogs substituted at carbon-2. *Journal of Steroid Biochemistry and Molecular Biology*, **2004**, 89-90, 107-10	5.1	8
170	2-Methylene analogs of 1alpha-hydroxy-19-norvitamin D3: synthesis, biological activities and docking to the ligand binding domain of the rat vitamin D receptor. *Journal of Steroid Biochemistry and Molecular Biology*, **2004**, 89-90, 13-7	5.1	6
169	Therapeutic potential of the 2-alkyl and 2-alkylidene-19-nor-(20S)-modified analogs of 1alpha,25-dihydroxyvitamin D3. *Journal of Steroid Biochemistry and Molecular Biology*, **2004**, 89-90, 67-73	5.1	11
168	New derivative of 1alpha,25-dihydroxy-19-norvitamin D3 with 3Palkoxypropylidene moiety at C-2: synthesis, biological activity and conformational analysis. *Journal of Steroid Biochemistry and Molecular Biology*, **2004**, 89-90, 25-30	5.1	8
167	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
166	Overview of general physiologic features and functions of vitamin D. *American Journal of Clinical Nutrition*, **2004**, 80, 1689S-96S	7	1415
165	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
164	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
163	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
162	Vitamin D and autoimmune diabetes. *Journal of Cellular Biochemistry*, **2003**, 88, 216-22	4.7	100
161	Interaction between vitamin D receptor and vitamin D ligands: two-dimensional alanine scanning mutational analysis. *Chemistry and Biology*, **2003**, 10, 261-70		45
160	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
159	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
158	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
157	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
156	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

155	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
154	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
153	Regulation of renal vitamin D receptor is an important determinant of 1alpha,25-dihydroxyvitamin D(3) levels in vivo. *Archives of Biochemistry and Biophysics*, **2002**, 401, 44-52	4.1	26
152	Protein synthesis is required for optimal induction of 25-hydroxyvitamin D(3)-24-hydroxylase, osteocalcin, and osteopontin mRNA by 1,25-dihydroxyvitamin D(3). *Archives of Biochemistry and Biophysics*, **2002**, 404, 18-24	4.1	9
151	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
150	New highly calcemic 1 alpha,25-dihydroxy-19-norvitamin D(3) compounds with modified side chain: 26,27-dihomo- and 26,27-dimethylene analogs in 20S-series. *Steroids*, **2002**, 67, 247-56	2.8	9
149	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
148	Vitamin D receptor null mutant mice fed high levels of calcium are fertile. *Journal of Nutrition*, **2001**, 131, 1787-91	4.1	104
147	Model of three-dimensional structure of vitamin D receptor and its binding mechanism with 1alpha,25-dihydroxyvitamin D(3). *Proteins: Structure, Function and Bioinformatics*, **2001**, 44, 188-99	4.2	17
146	Analysis of basal regulatory elements in the 25-hydroxyvitamin D3 1alpha-hydroxylase gene promoter. *Archives of Biochemistry and Biophysics*, **2001**, 388, 121-6	4.1	8
145	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
144	Vitamin D: its role and uses in immunology. *FASEB Journal*, **2001**, 15, 2579-85	0.9	623
143	Mechanism of action of superactive vitamin D analogs through regulated receptor degradation. *Journal of Cellular Biochemistry*, **2000**, 76, 548-558	4.7	44
142	Isolation and characterization of the chicken vitamin D receptor gene and its promoter. *Journal of Cellular Biochemistry*, **2000**, 77, 92-102	4.7	10
141	Immunoreactivity of six monoclonal antibodies directed against 1,25-dihydroxyvitamin-D3 receptors in human skin. *The Histochemical Journal*, **2000**, 32, 625-9		18
140	Expression of 1,25-dihydroxyvitamin D(3) receptor in the immune system. *Archives of Biochemistry and Biophysics*, **2000**, 374, 334-8	4.1	514
139	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
138	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

137	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
136	Cloning of the mouse 25-hydroxyvitamin D(3)-1alpha-hydroxylase (CYP1alpha) gene. *Biochimica Et Biophysica Acta - General Subjects*, **2000**, 1475, 109-13	4	8
135	The mouse vitamin D receptor is mainly expressed through an Sp1-driven promoter in vivo. *Archives of Biochemistry and Biophysics*, **2000**, 377, 273-83	4.1	24
134	Metabolism of 1alpha,25-dihydroxyvitamin D(3) in vitamin D receptor-ablated mice in vivo. *Biochemistry*, **2000**, 39, 2123-9	3.2	21
133	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
132	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
131	Three-dimensional structure-function relationship of vitamin D: side chain location and various activities. *Bioorganic and Medicinal Chemistry Letters*, **1999**, 9, 1041-6	2.9	27
130	Synthesis and biological activity of 22-iodo- and (E)-20(22)-dehydro analogues of 1alpha,25-dihydroxyvitamin D3. *Bioorganic and Medicinal Chemistry*, **1999**, 7, 2877-89	3.4	19
129	DNA bending is induced by binding of vitamin D receptor-retinoid X receptor heterodimers to vitamin D response elements **1999**, 74, 220-228		12
128	Identification of a transcription factor that binds to the promoter region of the human parathyroid hormone gene. *Archives of Biochemistry and Biophysics*, **1999**, 365, 123-30	4.1	14
127	Bacterial expression and characterization of the ligand-binding domain of the vitamin D receptor. *Archives of Biochemistry and Biophysics*, **1999**, 364, 42-52	4.1	13
126	Vitamin A antagonizes the action of vitamin D in rats. *Journal of Nutrition*, **1999**, 129, 2246-50	4.1	94
125	Mechanisms and functions of vitamin D. *Nutrition Reviews*, **1998**, 56, S4-10; discussion S 54-75	6.4	127
124	A highly sensitive method for large-scale measurements of 1,25-dihydroxyvitamin D. *Analytical Biochemistry*, **1998**, 255, 148-54	3.1	44
123	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
122	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
121	Modern view of vitamin D3 and its medicinal uses. *Progress in Medicinal Chemistry*, **1998**, 35, 1-56	7.3	12
120	1,25-Dihydroxycholecalciferol inhibits the progression of arthritis in murine models of human arthritis. *Journal of Nutrition*, **1998**, 128, 68-72	4.1	273

119	Current understanding of the molecular actions of vitamin D. *Physiological Reviews*, **1998**, 78, 1193-231	47.9	987
118	Prolongation of allograft survival by 1,25-dihydroxyvitamin D3. *Transplantation*, **1998**, 66, 824-8	1.8	91
117	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
116	The Genetics and Biology of Vitamin D. *Principles of Medical Biology*, **1997**, 10, 617-641		2
115	Cloning and origin of the two forms of chicken vitamin D receptor. *Archives of Biochemistry and Biophysics*, **1997**, 339, 99-106	4.1	38
114	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
113	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
112	Hypophosphatemia and the development of rickets in osteopetrotic (op/op) mice. *Journal of Bone and Mineral Research*, **1997**, 12, 1944-51	6.3	6
111	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
110	Synthesis of 9-cis-retinoic acid and C-20-[3H3C]-9-cis-retinoic acid with high specific activity. *Journal of Labelled Compounds and Radiopharmaceuticals*, **1997**, 39, 1-10	1.9	2
109	An enzyme-linked immunoassay for the 1,25-dihydroxyvitamin D3 receptor protein. *Journal of Bone and Mineral Research*, **1996**, 11, 1921-5	6.3	22
108	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
107	Human 25-hydroxyvitamin D3-24-hydroxylase, a multicatalytic enzyme. *Biochemistry*, **1996**, 35, 8465-72	3.2	176
106	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
105	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
104	Recent advances in the molecular biology of vitamin D action. *Progress in Molecular Biology and Translational Science*, **1996**, 53, 321-44		39
103	Synthesis of 6,7-diaza-19-norvitamin D compounds. *Bioorganic and Medicinal Chemistry Letters*, **1995**, 5, 899-904	2.9	6
102	On the side chain conformation of 1,25-dihydroxyvitamin D3 responsible for binding to the receptor. *Bioorganic and Medicinal Chemistry Letters*, **1995**, 5, 979-984	2.9	18

101	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
100	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
99	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
98	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
97	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
96	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
95	20-Oxopregnacalciferols: Vitamin D compounds that bind the progesterone receptor. *Tetrahedron Letters*, **1994**, 35, 2295-2298	2	8
94	Functional interference between AP-1 and the vitamin D receptor on osteocalcin gene expression in human osteosarcoma cells. *FEBS Journal*, **1994**, 224, 11-20		20
93	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
92	Molecular biology of vitamin D action. *Vitamins and Hormones*, **1994**, 49, 281-326	2.5	46
91	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
90	Investigation on the potential role of the Ah receptor nuclear translocator protein in vitamin D receptor action. *Journal of Receptors and Signal Transduction*, **1993**, 13, 1147-59		1
89	The necessity for calcium for increased renal vitamin D receptor in response to 1,25-dihydroxyvitamin D. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **1993**, 1176, 321-6	4.9	21
88	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
87	1,25-dihydroxycholecalciferol analogs cannot replace vitamin D in normocalcemic male rats. *Journal of Nutrition*, **1993**, 123, 1777-85	4.1	12
86	Short-term regulation of the renal vitamin D receptor in rats by 1,25-dihydroxycholecalciferol is calcium insensitive. *Journal of Nutrition*, **1992**, 122, 2316-21	4.1	5
85	Novel synthesis of 19-nor-vitamin D compounds. *Tetrahedron Letters*, **1991**, 32, 7663-7666	2	99
84	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

83	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
82	24- and 26-homo-1,25-dihydroxyvitamin D3 analogs: potencies on in vitro bone resorption differ from those reported for cell differentiation. *Journal of Bone and Mineral Research*, **1990**, 5, 201-6	6.3	9
81	Long term follow-up of bone mineral status in children with renal disease. *Pediatric Nephrology*, **1988**, 2, 22-6	3.2	10
80	Studies on organic fluorine compounds. LII. Synthesis and biological activity of 26,26,26,27,27-pentafluoro-1 alpha-hydroxy-27-methoxyvitamin D3. *Chemical and Pharmaceutical Bulletin*, **1988**, 36, 4144-7	1.9	5
79	The vitamin D story: a collaborative effort of basic science and clinical medicine1. *FASEB Journal*, **1988**, 2, 224-236	0.9	433
78	The vitamin D-induced differentiation of HL-60 cells: structural requirements. *Steroids*, **1987**, 49, 73-102	2.8	43
77	A new tritium-release assay for 25-hydroxyvitamin D-1 alpha-hydroxylase. *Analytical Biochemistry*, **1987**, 164, 424-9	3.1	4
76	Synthesis of 25-hydroxy-[26,27-3H]vitamin D2, 1,25-dihydroxy-[26,27-3H]vitamin D2 and their (24R)-epimers. *Analytical Biochemistry*, **1987**, 161, 96-102	3.1	6
75	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
74	Synthesis of some side-chain homologues of 1 alpha,25-dihydroxyvitamin D3 and investigation of their biological activities. *Chemical and Pharmaceutical Bulletin*, **1986**, 34, 4508-15	1.9	12
73	Evidence that 1,25-dihydroxyvitamin D3 is the physiologically active metabolite of vitamin D3. *Endocrine Reviews*, **1985**, 6, 491-511	27.2	135
72	Biological activities and binding properties of 23,23-difluoro-25-hydroxyvitamin D3 and its 1 alpha-hydroxy derivative. *Archives of Biochemistry and Biophysics*, **1985**, 241, 173-8	4.1	15
71	The Vitamin D-Caicium Axis-1983 **1985**, 491-511		9
70	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
69	Chapter 18. Vitamin D: Metabolism and Mechanism of Action. *Annual Reports in Medicinal Chemistry* , **1984**, 19, 179-190	1.6	19
68	Synthesis and biological activity of 1 alpha-fluoro-25-hydroxyvitamin D3. *Chemical and Pharmaceutical Bulletin*, **1984**, 32, 3525-31	1.9	23
67	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
66	Vitamin D compounds in cowsPmilk. *Journal of Nutrition*, **1982**, 112, 667-72	4.1	53

65	A new vaginal smear assay for vitamin A in rats. *Journal of Nutrition*, **1982**, 112, 1481-9	4.1	30
64	Computerized analysis of double-label autoradiographs: A screening method for 1,25-dihydroxyvitamin D3 induced changes in intestinal protein synthesis. *Electrophoresis*, **1982**, 3, 346-353	3.6	6
63	Synthesis of calcitroic acid, a metabolite of 1.alpha.,25-dihydroxycholecalciferol. *Journal of Organic Chemistry*, **1981**, 46, 456-458	4.2	13
62	DNA labeling of rat epithelial tissues in vitamin A deficiency. *Journal of Nutrition*, **1981**, 111, 777-88	4.1	23
61	Effect of lead ingestion on functions of vitamin D and its metabolites. *Journal of Nutrition*, **1981**, 111, 1321-9	4.1	33
60	Synthesis of (22R)- and (22S)-22,25-Dihydroxyvitamin D3 and determination of their biological activity. *Chemical and Pharmaceutical Bulletin*, **1981**, 29, 2254-60	1.9	8
59	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
58	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
57	The biochemical basis of renal osteodystrophy and post-menopausal osteoporosis: a view from the vitamin D system. *Current Medical Research and Opinion*, **1981**, 7, 279-93	2.5	12
56	Effect of vitamin D deficiency on fertility and reproductive capacity in the female rat. *Journal of Nutrition*, **1980**, 110, 1573-80	4.1	144
55	Thyrotropes in the pituitary are target cells for 1,25 dihydroxy vitamin D3. *Cell and Tissue Research*, **1980**, 209, 161-6	4.2	51
54	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
53	Determination of vitamin D and its metabolites in plasma. *Methods in Enzymology*, **1980**, 67, 393-413	1.7	20
52	Direct C(1) hydroxylation of vitamin D3 and related compounds. *Journal of Organic Chemistry*, **1980**, 45, 3253-3258	4.2	50
51	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
50	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
49	Metabolites of 1 alpha, 25-dihydroxyvitamin D3 in rat bile. *Biochemistry*, **1980**, 19, 4124-30	3.2	32
48	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

47	Vitamin D and calcium metabolism. *Topics in Current Chemistry*, **1979**, 83, 1-65		45
46	Rickets with alopecia: an inborn error of vitamin D metabolism. *Journal of Pediatrics*, **1979**, 94, 729-35	3.6	139
45	On the physiological basis of vitamin A-stimulated growth. *Journal of Nutrition*, **1979**, 109, 1787-96	4.1	24
44	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
43	Synthesis of 25-hydroxy[26,27-3h]vitamin D3 with high specific activity. *Analytical Biochemistry*, **1979**, 96, 481-8	3.1	40
42	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
41	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
40	1 alpha-hydroxy-25-fluorovitamin D3: a potent analogue of 1 alpha,25-dihydroxyvitamin D3. *Biochemistry*, **1978**, 17, 2387-92	3.2	37
39	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
38	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
37	Stimulation of lead absorption by vitamin D administration. *Journal of Nutrition*, **1978**, 108, 843-7	4.1	38
36	The metabolism of [6-3H]1alpha, hydroxycholecalciferol to [6-3H]1alpha,25-dihydroxycholecalciferol in a patient with renal insufficiency. *Journal of Clinical Endocrinology and Metabolism*, **1977**, 44, 595-8	5.6	16
35	The regulation of 24,25-dihydroxyvitamin D3 production in cultures of monkey kidney cells. *Endocrinology*, **1977**, 101, 1184-93	4.8	50
34	Crystal structure of 25-hydroxy-vitamin D3 monohydrate: a stereochemical analysis of vitamin D molecules. *Journal of the Chemical Society Perkin Transactions II*, **1977**, 393		19
33	Vitamin D metabolism. *Clinical Endocrinology*, **1977**, 7 Suppl, 1s-17s	3.4	34
32	Intestinal 1,25-dihydroxyvitamin D3 binding protein: specificity of binding. *Steroids*, **1977**, 30, 245-57	2.8	84
31	Recent advances in our understanding of the metabolism of vitamin D and its regulation. *Clinical Endocrinology*, **1976**, 5 Suppl, 97S-108S	3.4	17
30	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

29	Intestinal cytosol binders of 1,25-dihydroxyvitamin D and 25-hydroxyvitamin D. *Archives of Biochemistry and Biophysics*, **1976**, 176, 779-87	4.1	141
28	Intestinal calcium transport: parathyroid hormone and adaptation to dietary calcium. *Archives of Biochemistry and Biophysics*, **1976**, 175, 256-61	4.1	28
27	Long-term therapy of viramin D-resistant richets with 25-hydroxycholecalciferol. *Clinical Pharmacology and Therapeutics*, **1975**, 17, 202-11	6.1	6
26	Response to crystalline 1alpha-hydroxyvitamin D3 in vitamin D dependency. *Pediatric Research*, **1975**, 9, 593-9	3.2	72
25	Isolation and identification of 1,25-dihydroxyvitamin D2. *Biochemistry*, **1975**, 14, 1250-6	3.2	102
24	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
23	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
22	25-Hydroxyvitamin D3-24-hydroxylase. Subcellular location and properties. *Biochemistry*, **1974**, 13, 1543-8	3.2	168
21	Role of vitamin D metabolites in phosphate transport of rat intestine. *Journal of Nutrition*, **1974**, 104, 1056-60	4.1	143
20	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
19	The Regulation of Rat Liver Calciferol-25-hydroxylase. *Journal of Biological Chemistry*, **1973**, 248, 2969-2973	5.4	113
18	25-Hydroxycholecalciferol-1-hydroxylase. *Journal of Biological Chemistry*, **1972**, 247, 7528-7532	5.4	183
17	Metaboism of 25-hydroxycholecalciferol in target and nontarget tissues. *Biochemistry*, **1970**, 9, 3649-52	3.2	59
16	21,25-dihydroxycholecalciferol. A metabolite of vitamin D3 preferentially active on bone. *Biochemistry*, **1970**, 9, 2917-22	3.2	114
15	The isolation and identification of 25-hydroxyergocalciferol. *Biochemistry*, **1969**, 8, 3515-20	3.2	85
14	Calcium transport and the role of vitamin D. *Archives of Biochemistry and Biophysics*, **1969**, 134, 139-48	4.1	101
13	In vitro production of 25-hydroxycholecalciferol. *Biochemical and Biophysical Research Communications*, **1969**, 36, 251-6	3.4	179
12	The synthesis of 25-hydroxycholecalciferol. A biologically active metabolite of vitamin D3. *Biochemistry*, **1969**, 8, 671-5	3.2	97

11	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
10	Formation of vitamin D esters in vivo. *Archives of Biochemistry and Biophysics*, **1967**, 120, 513-517	4.1	24
9	Mechanism of action and metabolic fate of vitamin D. *Vitamins and Hormones*, **1967**, 25, 315-67	2.5	129
8	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
7	Response to vitamin D in adrenalectomized animals. *Nature*, **1966**, 210, 96-7	50.4	5
6	Biologically active metabolite of vitamin D3 from bone, liver, and blood serum. *Journal of Lipid Research*, **1966**, 7, 739-744	6.3	195
5	BIOLOGICALLY ACTIVE FORMS OF VITAMIN D3 IN KIDNEY AND INTESTINE. *Archives of Biochemistry and Biophysics*, **1964**, 108, 12-21	4.1	74
4	THE PREPARATION OF H3-VITAMINS D2 AND D3--THEIR LOCALIZATION IN THE RAT. *Biochemistry*, **1963**, 2, 1160-8	3.2	108
3	EFFECT OF EGG WHITE DIETS ON CALCIUM METABOLISM IN THE RAT. *Journal of Nutrition*, **1963**, 81, 218-22	4.1	11
2	Citrate and action of vitamin D on calcium and phosphorus metabolism. *American Journal of Physiology*, **1963**, 204, 833-6		57
1	THE RELATIONSHIP BETWEEN VITAMIN D AND PARATHYROID HORMONE. *Journal of Clinical Investigation*, **1963**, 42, 1940-6	15.9	151