Annemieke Verstuyf

List of Publications by Citations

65 papers	3,488 citations	20 h-index	59 g-index
70 ext. papers	4,155 ext. citations	5.8 avg, IF	5.21 L-index

#	Paper	IF	Citations
65	Vitamin D and human health: lessons from vitamin D receptor null mice. *Endocrine Reviews*, **2008**, 29, 726-76	27.2	1172
64	Vitamin D: Metabolism, Molecular Mechanism of Action, and Pleiotropic Effects. *Physiological Reviews*, **2016**, 96, 365-408	47.9	804
63	Vitamin D: a pleiotropic hormone. *Kidney International*, **2010**, 78, 140-5	9.9	216
62	Vitamin D3 Induces Tolerance in Human Dendritic Cells by Activation of Intracellular Metabolic Pathways. *Cell Reports*, **2015**, 10, 711-725	10.6	147
61	The future of vitamin D analogs. *Frontiers in Physiology*, **2014**, 5, 122	4.6	95
60	Vitamin D and Effect on Immune Function. *Nutrients*, **2020**, 12,	6.7	87
59	Vitamin D and energy homeostasis: of mice and men. *Nature Reviews Endocrinology*, **2014**, 10, 79-87	15.2	83
58	Superagonistic action of 14-epi-analogs of 1,25-dihydroxyvitamin D explained by vitamin D receptor-coactivator interaction. *Molecular Pharmacology*, **2005**, 67, 1566-73	4.3	63
57	The effects of 1alpha,25-dihydroxyvitamin D3 on the expression of DNA replication genes. *Journal of Bone and Mineral Research*, **2004**, 19, 133-46	6.3	57
56	Dietary supplementation with high doses of regular vitamin D3 safely reduces diabetes incidence in NOD mice when given early and long term. *Diabetes*, **2014**, 63, 2026-36	0.9	53
55	The biological activity of nonsteroidal vitamin D hormone analogs lacking both the C- and D-rings. *Journal of Bone and Mineral Research*, **1998**, 13, 549-58	6.3	50
54	Mechanisms for the selective action of Vitamin D analogs. *Journal of Steroid Biochemistry and Molecular Biology*, **2005**, 97, 21-30	5.1	49
53	Superagonistic fluorinated vitamin D3 analogs stabilize helix 12 of the vitamin D receptor. *Chemistry and Biology*, **2008**, 15, 1029-34		43
52	1,25-Dihydroxyvitamin D3 and its analog TX527 promote a stable regulatory T cell phenotype in T cells from type 1 diabetes patients. *PLoS ONE*, **2014**, 9, e109194	3.7	39
51	Biological activity of CD-ring modified 1alpha,25-dihydroxyvitamin D analogues: C-ring and five-membered D-ring analogues. *Journal of Bone and Mineral Research*, **2000**, 15, 237-52	6.3	34
50	Synthesis, biological activity, and conformational analysis of CD-ring modified trans-decalin 1 alpha,25-dihydroxyvitamin D analogs. *Organic and Biomolecular Chemistry*, **2003**, 1, 257-67	3.9	34
49	Synthesis, biological activity, and conformational analysis of four seco-D-15,19-bisnor-1alpha,25-dihydroxyvitamin D analogues, diastereomeric at C17 and C20. *Journal of Medicinal Chemistry*, **1999**, 42, 3539-56	8.3	29

48	Thin bones: Vitamin D and calcium handling after bariatric surgery. *Bone Reports*, **2018**, 8, 57-63	2.6	28
47	Semaphorin signaling in bone. *Molecular and Cellular Endocrinology*, **2016**, 432, 66-74	4.4	27
46	Interaction of two novel 14-epivitamin D3 analogs with vitamin D3 receptor-retinoid X receptor heterodimers on vitamin D3 responsive elements. *Journal of Bone and Mineral Research*, **2001**, 16, 625-38	6.3	26
45	Impact on Experimental Colitis of Vitamin D Receptor Deletion in Intestinal Epithelial or Myeloid Cells. *Endocrinology*, **2017**, 158, 2354-2366	4.8	19
44	Development of analogues of 1alpha,25-dihydroxyvitamin D3 with biased side chain orientation: methylated des-C,D-homo analogues. *Chemistry - A European Journal*, **2001**, 7, 520-32	4.8	17
43	CD-ring modified vitamin D3 analogs and their superagonistic action. *Journal of Steroid Biochemistry and Molecular Biology*, **2010**, 121, 417-9	5.1	16
42	Cell cycle arrest and apoptosis induced by 1,25(OH)2D3 and TX 527 in Kaposi sarcoma is VDR dependent. *Journal of Steroid Biochemistry and Molecular Biology*, **2014**, 144 Pt A, 197-200	5.1	15
41	Synthesis of spiro[4.5]decane CF-ring analogues of 1 alpha,25-dihydroxyvitamin D3. *Organic Letters*, **2006**, 8, 4247-50	6.2	15
40	1,25-Dihydroxyvitamin D: A new vitamin D metabolite in human serum. *Journal of Steroid Biochemistry and Molecular Biology*, **2017**, 173, 341-348	5.1	14
39	Synthesis, conformational analysis, and biological evaluation of 19-nor-vitamin D3 analogues with A-ring modifications. *Journal of Medicinal Chemistry*, **2009**, 52, 6158-62	8.3	14
38	Previtamin D3 with a trans-fused decalin CD-ring has pronounced genomic activity. *Journal of Biological Chemistry*, **2003**, 278, 35476-82	5.4	13
37	Vitamin D(3): synthesis of seco-C-9,11-bisnor-17-methyl-1 alpha,25-dihydroxyvitamin D(3) analogues. *Bioorganic and Medicinal Chemistry Letters*, **2002**, 12, 1633-6	2.9	13
36	Is Vitamin D2 Really Bioequivalent to Vitamin D3?. *Endocrinology*, **2016**, 157, 3384-7	4.8	13
35	Vitamin D(3): synthesis of seco C-9,11,21-trisnor-17-methyl-1 alpha, 25-dihydroxyvitamin D(3) analogues. *Bioorganic and Medicinal Chemistry Letters*, **2002**, 12, 1629-32	2.9	11
34	The vitamin d receptor in thyroid development and function. *European Thyroid Journal*, **2012**, 1, 168-75	4.2	10
33	The development of CD-ring modified analogs of 1alpha,25-dihydroxyvitamin D. *Journal of Steroid Biochemistry and Molecular Biology*, **2007**, 103, 206-12	5.1	10
32	Altered Vitamin D receptor-coactivator interactions reflect superagonism of Vitamin D analogs. *Journal of Steroid Biochemistry and Molecular Biology*, **2005**, 97, 65-8	5.1	10
31	Effect of a transcriptional inactive or absent vitamin D receptor on beta-cell function and glucose homeostasis in mice. *Journal of Steroid Biochemistry and Molecular Biology*, **2016**, 164, 309-317	5.1	9

30	Remodeling of phospholipid composition in colon cancer cells by 1,25(OH)2D3 and its analogs. *Journal of Steroid Biochemistry and Molecular Biology*, **2015**, 148, 172-8	5.1	9
29	Synthesis and biological evaluation of new 6-s-cis locked 1,2,25-trihydroxyprevitamin D3 analogues. *Bioorganic and Medicinal Chemistry*, **2007**, 15, 4193-202	3.4	9
28	Synthesis and biological activity of 22-oxa CD-ring modified analogues of 1alpha,25-dihydroxyvitamin D3: spiro[5.5]undecane CF-ring analogues. *Bioorganic and Medicinal Chemistry Letters*, **2004**, 14, 3889-92	2.9	9
27	Synthesis and biological activity of 22-oxa CD-ring modified analogues of 1alpha,25-dihydroxyvitamin D3: cis-perhydrindane CE-ring analogues. *Bioorganic and Medicinal Chemistry Letters*, **2004**, 14, 3885-8	2.9	9
26	Class 3 semaphorins are transcriptionally regulated by 1,25(OH)D in osteoblasts. *Journal of Steroid Biochemistry and Molecular Biology*, **2017**, 173, 185-193	5.1	8
25	Synthesis of 22-oxaspiro[4.5]decane CD-ring modified analogs of 1,25-dihydroxyvitamin D3. *Tetrahedron Letters*, **2009**, 50, 4174-4177	2	8
24	Novel A-ring homodimeric C-3-carbamate analogues of 1alpha,25-dihydroxyvitamin D3: synthesis and preliminary biological evaluation. *Bioorganic and Medicinal Chemistry*, **2006**, 14, 7512-9	3.4	8
23	Antiproliferative and calcemic actions of trans-decalin CD-ring analogs of 1,25-dihydroxyvitamin D3. *Anticancer Research*, **2009**, 29, 3579-84	2.3	8
22	Vitamin D Modulates the Response of Bronchial Epithelial Cells Exposed to Cigarette Smoke Extract. *Nutrients*, **2019**, 11,	6.7	7
21	Vdr expression in osteoclast precursors is not critical in bone homeostasis. *Journal of Steroid Biochemistry and Molecular Biology*, **2019**, 195, 105478	5.1	7
20	The proapoptotic protein Bim is up regulated by 1,25-dihydroxyvitamin D3 and its receptor agonist in endothelial cells and transformed by viral GPCR associated to Kaposi sarcoma. *Steroids*, **2015**, 102, 85-91	2.8	7
19	Development of Analogues of 1,25-Dihydroxyvitamin D3 with Biased Side-Chain Orientation: C20 Methylated Des-C,D-homo Analogues. *European Journal of Organic Chemistry*, **2009**, 2009, 1720-1737	3.2	7
18	Synthesis and biological activity of previtamin D(3) analogues with A-ring modifications. *Bioorganic and Medicinal Chemistry*, **2008**, 16, 10244-50	3.4	7
17	Chemoenzymatic synthesis and biological evaluation of C-3 carbamate analogues of 1alpha,25-dihydroxyvitamin D3. *Bioorganic and Medicinal Chemistry*, **2004**, 12, 5443-51	3.4	7
16	The role of vitamin D in breast cancer risk and progression.. *Endocrine-Related Cancer*, **2021**,	5.7	5
15	A-Ring-Modified 2-Hydroxyethylidene Previtamin D3 Analogues: Synthesis and Biological Evaluation. *European Journal of Organic Chemistry*, **2017**, 2017, 504-513	3.2	4
14	Synthesis of 2-Ethyl-19-nor Analogs of 1,25-Dihydroxyvitamin D3. *European Journal of Organic Chemistry*, **2013**, 2013, 728-735	3.2	4
13	Analogs of Calcitriol **2011**, 1461-1487		4

List of Publications

12	Versatile synthesis and biological evaluation of 1,3-diamino-substituted 1alpha,25-dihydroxyvitamin D3 analogues. *Bioorganic and Medicinal Chemistry*, **2006**, 14, 928-37	3.4	4
11	Enzymatic Desymmetrization of 19-nor-Vitamin D3 A-Ring Synthon Precursor: Synthesis, Structure Elucidation, and Biological Activity of 1,25-Dihydroxy-3-epi-19-nor-vitamin D3 and 1,25-Dihydroxy-19-nor-vitamin D3. *Advanced Synthesis and Catalysis*, **2018**, 360, 2762-2772	5.6	4
10	Synthesis of 1alpha,25-dihydroxyvitamin D analogues featuring a S(2)-symmetric CD-ring core. *Molecules*, **2009**, 14, 894-903	4.8	3
9	Synthesis of 2-Methyl and Ethyl-Substituted 19-nor-1,25-Dihydroxyvitamin D3 Analogues via the Cyclovitamin Strategy. *European Journal of Organic Chemistry*, **2005**, 2005, 4414-4427	3.2	3
8	Analogs of Calcitriol **2018**, 583-614		2
7	The Vitamin D Hormone and its Nuclear Receptor: Mechanisms Involved in Bone Biology **2006**, 307-325		2
6	WY 1048, a 17-methyl 19-nor D-ring analog of vitamin D, in combination with risedronate restores bone mass in a mouse model of postmenopausal osteoporosis. *Journal of Steroid Biochemistry and Molecular Biology*, **2019**, 188, 124-130	5.1	2
5	Local nebulization of 1,25(OH)D attenuates LPS-induced acute lung inflammation.. *Respiratory Research*, **2022**, 23, 76	7.3	2
4	Vitamin D and cancer. *Cell Cycle*, **2013**, 12, 1018	4.7	1
3	Lithocholic acid-based design of noncalcemic vitamin D receptor agonists. *Bioorganic Chemistry*, **2021**, 111, 104878	5.1	1
2	The curious fate of bone following bariatric surgery: bone effects of sleeve gastrectomy (SG) and Roux-en-Y gastric bypass (RYGB) in mice. *International Journal of Obesity*, **2020**, 44, 2165-2176	5.5	0
1	Vitamin D and Bone **2010**, 243-253		