Annemieke Verstuyf

List of Publications by Year
in descending order

67	4,872	304602	118793
papers	citations	22 h-index	62 g-index

70	70	70	6018
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Vitamin D and Human Health: Lessons from Vitamin D Receptor Null Mice. Endocrine Reviews, 2008, 29, 726-776.	8.9	1,461
2	Vitamin D: Metabolism, Molecular Mechanism of Action, and Pleiotropic Effects. Physiological Reviews, 2016, 96, 365-408.	13.1	1,253
3	Vitamin D: a pleiotropic hormone. Kidney International, 2010, 78, 140-145.	2.6	271
4	Vitamin Dâ€™s Effect on Immune Function. Nutrients, 2020, 12, 1248.	1.7	231
5	Vitamin D3 Induces Tolerance in Human Dendritic Cells by Activation of Intracellular Metabolic Pathways. Cell Reports, 2015, 10, 711-725.	2.9	228
6	The future of vitamin D analogs. Frontiers in Physiology, 2014, 5, 122.	1.3	127
7	Vitamin D and energy homeostasisâ€"of mice and men. Nature Reviews Endocrinology, 2014, 10, 79-87.	4.3	121
8	Superagonistic Action of 14-epi-Analogs of 1,25-Dihydroxyvitamin D Explained by Vitamin D Receptor-Coactivator Interaction. Molecular Pharmacology, 2005, 67, 1566-1573.	1.0	71
9	The Effects of 1Î±,25-Dihydroxyvitamin D3 on the Expression of DNA Replication Genes. Journal of Bone and Mineral Research, 2003, 19, 133-146.	3.1	66
10	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, 2026-2036.	0.3	66
11	The Biological Activity of Nonsteroidal Vitamin D Hormone Analogs Lacking Both the C- and D-Rings. Journal of Bone and Mineral Research, 1998, 13, 549-558.	3.1	61
12	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.	1.1	56
13	Mechanisms for the selective action of Vitamin D analogs. Journal of Steroid Biochemistry and Molecular Biology, 2005, 97, 21-30.	1.2	53
14	Superagonistic Fluorinated Vitamin D3 Analogs Stabilize Helix 12 of the Vitamin D Receptor. Chemistry and Biology, 2008, 15, 1029-1034.	6.2	51
15	Biological Activity of CD-Ring Modified 1Î±,25-Dihydroxyvitamin D Analogues: C-Ring and Five-Membered D-Ring Analogues. Journal of Bone and Mineral Research, 2010, 15, 237-252.	3.1	45
16	Semaphorin signaling in bone. Molecular and Cellular Endocrinology, 2016, 432, 66-74.	1.6	42
17	Thin bones: Vitamin D and calcium handling after bariatric surgery. Bone Reports, 2018, 8, 57-63.	0.2	39
18	Synthesis, biological activity, and conformational analysis of CD-ring modified trans-decalin 1Î±,25-dihydroxyvitamin D analogsElectronic supplementary information (ESI) available: Further experimental details. See http://www.rsc.org/suppdata/ob/b2/b209147j/. Organic and Biomolecular Chemistry, 2003, 1, 257-267.	1.5	38

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19	Synthesis, Biological Activity, and Conformational Analysis of Fourseco-d-15,19-bisnor-1Î±,25-Dihydroxyvitamin D Analogues, Diastereomeric at C17 and C20. Journal of Medicinal Chemistry, 1999, 42, 3539-3556.	2.9	36
20	The role of vitamin D in breast cancer risk and progression. Endocrine-Related Cancer, 2022, 29, R33-R55.	1.6	34
21	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, 625-638.	3.1	32
22	Impact on Experimental Colitis of Vitamin D Receptor Deletion in Intestinal Epithelial or Myeloid Cells. Endocrinology, 2017, 158, 2354-2366.	1.4	26
23	Development of Analogues of 1Î±,25-Dihydroxyvitamin D3 with Biased Side Chain Orientation: Methylated Des-C,D-Homo Analogues. Chemistry - A European Journal, 2001, 7, 520-532.	1.7	21
24	Synthesis of Spiro[4.5]decane CF-Ring Analogues of 1Î±,25-Dihydroxyvitamin D3. Organic Letters, 2006, 8, 4247-4250.	2.4	21
25	CD-ring modified vitamin D3 analogs and their superagonistic action. Journal of Steroid Biochemistry and Molecular Biology, 2010, 121, 417-419.	1.2	19
26	Is Vitamin D2 Really Bioequivalent to Vitamin D3?. Endocrinology, 2016, 157, 3384-3387.	1.4	19
27	Vitamin D3: synthesis of seco-C-9,11-bisnor-17-methyl-1Î±,25-dihydroxyvitamin D3 analogues. Bioorganic and Medicinal Chemistry Letters, 2002, 12, 1633-1636.	1.0	18
28	1Î²,25-Dihydroxyvitamin D 3 : A new vitamin D metabolite in human serum. Journal of Steroid Biochemistry and Molecular Biology, 2017, 173, 341-348.	1.2	18
29	Vitamin D3: synthesis of seco C-9,11,21-trisnor-17-methyl-1Î±, 25-dihydroxyvitamin D3 analogues. Bioorganic and Medicinal Chemistry Letters, 2002, 12, 1629-1632.	1.0	17
30	Synthesis, Conformational Analysis, and Biological Evaluation of 19-nor-Vitamin D3 Analogues with A-Ring Modifications. Journal of Medicinal Chemistry, 2009, 52, 6158-6162.	2.9	17
31	Previtamin D3 with a trans-Fused Decalin CD-ring Has Pronounced Genomic Activity. Journal of Biological Chemistry, 2003, 278, 35476-35482.	1.6	16
32	Cell cycle arrest and apoptosis induced by 1Î±,25(OH)2D3 and TX 527 in Kaposi sarcoma is VDR dependent. Journal of Steroid Biochemistry and Molecular Biology, 2014, 144, 197-200.	1.2	16
33	Class 3 semaphorins are transcriptionally regulated by 1,25(OH) 2 D 3 in osteoblasts. Journal of Steroid Biochemistry and Molecular Biology, 2017, 173, 185-193.	1.2	15
34	The Vitamin D Receptor in Thyroid Development and Function. European Thyroid Journal, 2012, 1, 168-175.	1.2	14
35	Vitamin D Modulates the Response of Bronchial Epithelial Cells Exposed to Cigarette Smoke Extract. Nutrients, 2019, 11, 2138.	1.7	14
36	Synthesis and biological activity of 22-oxa CD-ring modified analogues of 1Î±,25-dihydroxyvitamin D3: spiro[5.5]undecane CF-ring analogues. Bioorganic and Medicinal Chemistry Letters, 2004, 14, 3889-3892.	1.0	13

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37	The development of CD-ring modified analogs of 1Î±,25-dihydroxyvitamin D. Journal of Steroid Biochemistry and Molecular Biology, 2007, 103, 206-212.	1.2	13
38	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.	1.2	13
39	Synthesis and biological activity of 22-oxa CD-ring modified analogues of 1Î±,25-dihydroxyvitamin D3: cis-perhydrindane CE-ring analogues. Bioorganic and Medicinal Chemistry Letters, 2004, 14, 3885-3888.	1.0	12
40	Synthesis and biological evaluation of new 6-s-cis locked 1,2,25-trihydroxyprevitamin D3 analogues. Bioorganic and Medicinal Chemistry, 2007, 15, 4193-4202.	1.4	12
41	Synthesis of 22-oxaspiro[4.5]decane CD-ring modified analogs of 1Î±,25-dihydroxyvitamin D3. Tetrahedron Letters, 2009, 50, 4174-4177.	0.7	12
42	Altered Vitamin D receptorâ€“coactivator interactions reflect superagonism of Vitamin D analogs. Journal of Steroid Biochemistry and Molecular Biology, 2005, 97, 65-68.	1.2	11
43	Novel A-ring homodimeric C-3-carbamate analogues of 1Î±,25-dihydroxyvitamin D3: Synthesis and preliminary biological evaluation. Bioorganic and Medicinal Chemistry, 2006, 14, 7512-7519.	1.4	11
44	Development of Analogues of 1Î±,25â€Dihydroxyvitamin D₃ with Biased Sideâ€Chain Orientation: C20 Methylated Desâ€C,Dâ€homo Analogues. European Journal of Organic Chemistry, 2009, 2009, 1720-1737.	1.2	11
45	Remodeling of phospholipid composition in colon cancer cells by 1Î±,25(OH)2D3 and its analogs. Journal of Steroid Biochemistry and Molecular Biology, 2015, 148, 172-178.	1.2	11
46	Vdr expression in osteoclast precursors is not critical in bone homeostasis. Journal of Steroid Biochemistry and Molecular Biology, 2019, 195, 105478.	1.2	11
47	Chemoenzymatic synthesis and biological evaluation of C-3 carbamate analogues of 1Î±,25-dihydroxyvitamin D3. Bioorganic and Medicinal Chemistry, 2004, 12, 5443-5451.	1.4	10
48	Synthesis and biological activity of previtamin D3 analogues with A-ring modifications. Bioorganic and Medicinal Chemistry, 2008, 16, 10244-10250.	1.4	10
49	The proapoptotic protein Bim is up regulated by 1Î±,25-dihydroxyvitamin D3 and its receptor agonist in endothelial cells and transformed by viral GPCR associated to Kaposi sarcoma. Steroids, 2015, 102, 85-91.	0.8	8
50	Enzymatic Desymmetrization of 19â€•nor â€Vitamin D 3 Aâ€Ring Synthon Precursor: Synthesis, Structure Elucidation, and Biological Activity of 1Î±,25â€Dihydroxyâ€3â€•epi â€•19â€•nor â€vitamin D 3 and 1Î²,25â€Dihydroxyâ€•19â€•nor â€vitamin D 3. Advanced Synthesis and Catalysis, 2018, 360, 2762-2772.	2	8
51	Antiproliferative and calcemic actions of trans-decalin CD-ring analogs of 1,25-dihydroxyvitamin D3. Anticancer Research, 2009, 29, 3579-84.	0.5	8
52	Local nebulization of 1Î±,25(OH)2D3 attenuates LPS-induced acute lung inflammation. Respiratory Research, 2022, 23, 76.	1.4	8
53	Synthesis of 2â€Ethylâ€•19â€nor Analogs of 1Î±,25â€Dihydroxyvitamin D₃. European Journal of Organic Chemistry, 2013, 2013, 728-735.	1.2	7
54	Versatile synthesis and biological evaluation of 1,3-diamino-substituted 1Î±,25-dihydroxyvitamin D3 analogues. Bioorganic and Medicinal Chemistry, 2006, 14, 928-937.	1.4	6

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55	Synthesis of 1Î±,25-Dihydroxyvitamin D Analogues Featuring a S2-symmetric CD-ring Core. Molecules, 2009, 14, 894-903.	1.7	6
56	Aâ€Ringâ€Modified 2â€Hydroxyethylidene Previtamin D₃ Analogues: Synthesis and Biological Evaluation. European Journal of Organic Chemistry, 2017, 2017, 504-513.	1.2	6
57	Lithocholic acid-based design of noncalcemic vitamin D receptor agonists. Bioorganic Chemistry, 2021, 111, 104878.	2.0	6
58	Analogs of Calcitriol. , 2011, , 1461-1487.		5
59	Synthesis of 2-Methyl and Ethyl-Substituted 19-nor-1Î±,25-Dihydroxyvitamin D3 Analogues via the Cyclovitamin Strategy. European Journal of Organic Chemistry, 2005, 2005, 4414-4427.	1.2	3
60	WY 1048, a 17-methyl 19-nor D-ring analog of vitamin D3, 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.	1.2	3
61	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.	1.6	3
62	The Vitamin D Hormone and its Nuclear Receptor: Mechanisms Involved in Bone Biology. , 2006, , 307-325.		3
63	The Combination of the CDK4/6 Inhibitor, Palbociclib, With the Vitamin D3 Analog, Inecalcitol, Has Potent In Vitro and In Vivo Anticancer Effects in Hormone-Sensitive Breast Cancer, But Has a More Limited Effect in Triple-Negative Breast Cancer. Frontiers in Endocrinology, 0, 13, .	1.5	3
64	Vitamin D and cancer. Cell Cycle, 2013, 12, 1018-1018.	1.3	2
65	Analogs of Calcitriol. , 2018, , 583-614.		2
66	Forkhead Box O (FoxO) Transcription Factors in the Actions of 1,25-Dihydroxyvitamin D3 on Osteoblasts. Bone, 2010, 46, S48.	1.4	0
67	Vitamin D and Bone. , 2010, , 243-253.		0