# Carsten Carlberg

## List of Publications by Citations



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|---|---|---|---|
| 309 papers | 11,087 citations | 57 h-index | 89 g-index |
| 329 ext. papers | 12,226 ext. citations | 6.8 avg, IF | 6.74 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 309 | Two nuclear signalling pathways for vitamin D. *Nature*, **1993**, 361, 657-60 | 50.4 | 482 |
| 308 | Fluorescence resonance energy transfer analysis of the structure of the four-way DNA junction. *Biochemistry*, **1992**, 31, 4846-56 | 3.2 | 257 |
| 307 | Transcriptional activation of the nuclear receptor RZR alpha by the pineal gland hormone melatonin and identification of CGP 52608 as a synthetic ligand. *Nucleic Acids Research*, **1995**, 23, 327-33 | 20.1 | 228 |
| 306 | Regulation of the human p21(waf1/cip1) gene promoter via multiple binding sites for p53 and the vitamin D3 receptor. *Nucleic Acids Research*, **2006**, 34, 543-54 | 20.1 | 198 |
| 305 | RZRs, a new family of retinoid-related orphan receptors that function as both monomers and homodimers. *Molecular Endocrinology*, **1994**, 8, 757-70 | | 189 |
| 304 | The nuclear receptor for melatonin represses 5-lipoxygenase gene expression in human B lymphocytes. *Journal of Biological Chemistry*, **1995**, 270, 7037-40 | 5.4 | 187 |
| 303 | Vitamin D receptor signaling mechanisms: integrated actions of a well-defined transcription factor. *Steroids*, **2013**, 78, 127-36 | 2.8 | 178 |
| 302 | Nuclear hormone 1,25-dihydroxyvitamin D3 elicits a genome-wide shift in the locations of VDR chromatin occupancy. *Nucleic Acids Research*, **2011**, 39, 9181-93 | 20.1 | 172 |
| 301 | Comprehensive analysis of PPARalpha-dependent regulation of hepatic lipid metabolism by expression profiling. *PPAR Research*, **2007**, 2007, 26839 | 4.3 | 159 |
| 300 | Electrophilic nitro-fatty acids activate NRF2 by a KEAP1 cysteine 151-independent mechanism. *Journal of Biological Chemistry*, **2011**, 286, 14019-27 | 5.4 | 157 |
| 299 | The human peroxisome proliferator-activated receptor delta gene is a primary target of 1alpha,25-dihydroxyvitamin D3 and its nuclear receptor. *Journal of Molecular Biology*, **2005**, 349, 248-60 | 6.5 | 152 |
| 298 | The orphan receptor family RZR/ROR, melatonin and 5-lipoxygenase: an unexpected relationship. *Journal of Pineal Research*, **1995**, 18, 171-8 | 10.4 | 146 |
| 297 | Gene regulation by vitamin D3. *Critical Reviews in Eukaryotic Gene Expression*, **1998**, 8, 19-42 | 1.3 | 140 |
| 296 | DICKKOPF-4 is induced by TCF/beta-catenin and upregulated in human colon cancer, promotes tumour cell invasion and angiogenesis and is repressed by 1alpha,25-dihydroxyvitamin D3. *Oncogene*, **2008**, 27, 4467-77 | 9.2 | 134 |
| 295 | Mechanisms of Nuclear Signalling by Vitamin D3. Interplay with Retinoid and Thyroid Hormone Signalling. *FEBS Journal*, **1995**, 231, 517-527 | | 132 |
| 294 | Vitamin D3-thyroid hormone receptor heterodimer polarity directs ligand sensitivity of transactivation. *Nature*, **1994**, 370, 382-6 | 50.4 | 126 |
| 293 | VDR-Alien: a novel, DNA-selective vitamin D3 receptor-corepressor partnership. *FASEB Journal*, **2000**, 14, 1455-1463 | 0.9 | 122 |

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| 292 | Natural vitamin D3 response elements formed by inverted palindromes: polarity-directed ligand sensitivity of vitamin D3 receptor-retinoid X receptor heterodimer-mediated transactivation. *Molecular and Cellular Biology*, **1995**, 15, 1154-61 | 4.8 | 122 |
| 291 | Vitamins as hormones. *Hormone and Metabolic Research*, **2007**, 39, 71-84 | 3.1 | 121 |
| 290 | VDR-Alien: a novel, DNA-selective vitamin D(3) receptor-corepressor partnership. *FASEB Journal*, **2000**, 14, 1455-63 | 0.9 | 119 |
| 289 | Spatio-temporal activation of chromatin on the human CYP24 gene promoter in the presence of 1alpha,25-Dihydroxyvitamin D3. *Journal of Molecular Biology*, **2005**, 350, 65-77 | 6.5 | 118 |
| 288 | 25-Hydroxyvitamin D(3) is an agonistic vitamin D receptor ligand. *Journal of Steroid Biochemistry and Molecular Biology*, **2010**, 118, 162-70 | 5.1 | 101 |
| 287 | A role of melatonin in neuroectodermal-mesodermal interactions: the hair follicle synthesizes melatonin and expresses functional melatonin receptors. *FASEB Journal*, **2005**, 19, 1710-2 | 0.9 | 99 |
| 286 | Inactivation of zinc finger transcription factors provides a mechanism for a gene regulatory role of nitric oxide. *FASEB Journal*, **2000**, 14, 166-73 | 0.9 | 97 |
| 285 | Current understanding of the function of the nuclear vitamin D receptor in response to its natural and synthetic ligands. *Recent Results in Cancer Research*, **2003**, 164, 29-42 | 1.5 | 94 |
| 284 | Patterns of genome-wide VDR locations. *PLoS ONE*, **2014**, 9, e96105 | 3.7 | 93 |
| 283 | Gene regulation by melatonin. *Annals of the New York Academy of Sciences*, **2000**, 917, 387-96 | 6.5 | 91 |
| 282 | Molecular basis of the selective activity of vitamin D analogues. *Journal of Cellular Biochemistry*, **2003**, 88, 274-81 | 4.7 | 91 |
| 281 | Profiling of promoter occupancy by PPARalpha in human hepatoma cells via ChIP-chip analysis. *Nucleic Acids Research*, **2010**, 38, 2839-50 | 20.1 | 90 |
| 280 | Genome-wide (over)view on the actions of vitamin D. *Frontiers in Physiology*, **2014**, 5, 167 | 4.6 | 86 |
| 279 | Identification of natural monomeric response elements of the nuclear receptor RZR/ROR. They also bind COUP-TF homodimers. *Journal of Biological Chemistry*, **1996**, 271, 19732-6 | 5.4 | 86 |
| 278 | Cyclical chromatin looping and transcription factor association on the regulatory regions of the p21 (CDKN1A) gene in response to 1alpha,25-dihydroxyvitamin D3. *Journal of Biological Chemistry*, **2009**, 284, 8073-82 | 5.4 | 85 |
| 277 | Selective use of multiple vitamin D response elements underlies the 1 alpha,25-dihydroxyvitamin D3-mediated negative regulation of the human CYP27B1 gene. *Nucleic Acids Research*, **2007**, 35, 2734-47 | 20.1 | 85 |
| 276 | The human hyaluronan synthase 2 gene is a primary retinoic acid and epidermal growth factor responding gene. *Journal of Biological Chemistry*, **2005**, 280, 14636-44 | 5.4 | 82 |
| 275 | The concept of the personal vitamin D response index. *Journal of Steroid Biochemistry and Molecular Biology*, **2018**, 175, 12-17 | 5.1 | 80 |

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|---|---|---|---|
| 274 | Current status of vitamin D signaling and its therapeutic applications. *Current Topics in Medicinal Chemistry*, **2012**, 12, 528-47 | 3 | 79 |
| 273 | Regulation of multiple insulin-like growth factor binding protein genes by 1alpha,25-dihydroxyvitamin D3. *Nucleic Acids Research*, **2005**, 33, 5521-32 | 20.1 | 79 |
| 272 | Modulation of mouse and human phenobarbital-responsive enhancer module by nuclear receptors. *Molecular Pharmacology*, **2002**, 62, 366-78 | 4.3 | 76 |
| 271 | A genomic perspective on vitamin D signaling. *Anticancer Research*, **2009**, 29, 3485-93 | 2.3 | 76 |
| 270 | Three members of the human pyruvate dehydrogenase kinase gene family are direct targets of the peroxisome proliferator-activated receptor beta/delta. *Journal of Molecular Biology*, **2007**, 372, 341-55 | 6.5 | 74 |
| 269 | Thiazolidine diones, specific ligands of the nuclear receptor retinoid Z receptor/retinoid acid receptor-related orphan receptor alpha with potent antiarthritic activity. *Journal of Biological Chemistry*, **1996**, 271, 13515-22 | 5.4 | 74 |
| 268 | Differential apoptotic response of human melanoma cells to 1 alpha,25-dihydroxyvitamin D3 and its analogues. *Cell Death and Differentiation*, **1998**, 5, 946-52 | 12.7 | 72 |
| 267 | Nutrigenomics of Vitamin D. *Nutrients*, **2019**, 11, | 6.7 | 70 |
| 266 | Sensitive induction of apoptosis in breast cancer cells by a novel 1,25-dihydroxyvitamin D3 analogue shows relation to promoter selectivity. *Journal of Cellular Biochemistry*, **1997**, 66, 552-62 | 4.7 | 70 |
| 265 | Different molecular mechanisms of vitamin D(3) receptor antagonists. *Molecular Pharmacology*, **2001**, 59, 1478-85 | 4.3 | 68 |
| 264 | Zinc Finger Transcription Factors as Molecular Targets for Nitric Oxide-mediated Immunosuppression: Inhibition of IL-2 Gene Expression in Murine Lymphocytes. *Molecular Medicine*, **1999**, 5, 721-730 | 6.2 | 68 |
| 263 | Primary vitamin D target genes allow a categorization of possible benefits of vitamin D supplementation. *PLoS ONE*, **2013**, 8, e71042 | 3.7 | 67 |
| 262 | Chromatin acetylation at transcription start sites and vitamin D receptor binding regions relates to effects of 1,25-dihydroxyvitamin D3 and histone deacetylase inhibitors on gene expression. *Nucleic Acids Research*, **2013**, 41, 110-24 | 20.1 | 66 |
| 261 | Epigenome-wide effects of vitamin D and their impact on the transcriptome of human monocytes involve CTCF. *Nucleic Acids Research*, **2016**, 44, 4090-104 | 20.1 | 65 |
| 260 | Primary effect of 1,25(OH)D on IL-10 expression in monocytes is short-term down-regulation. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2010**, 1803, 1276-86 | 4.9 | 65 |
| 259 | 1,25-dihydroxyvitamin D3 influences cellular homocysteine levels in murine preosteoblastic MC3T3-E1 cells by direct regulation of cystathionine -synthase. *Journal of Bone and Mineral Research*, **2011**, 26, 2991-3000 | 6.3 | 64 |
| 258 | Identification of pregnane X receptor binding sites in the regulatory regions of genes involved in bile acid homeostasis. *Journal of Molecular Biology*, **2005**, 346, 505-19 | 6.5 | 61 |
| 257 | Inhibition of cytokine secretion from adipocytes by 1,25-dihydroxyvitamin D via the NF-B pathway. *FASEB Journal*, **2012**, 26, 4400-7 | 0.9 | 60 |

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| 256 | Dataset integration identifies transcriptional regulation of microRNA genes by PPARin differentiating mouse 3T3-L1 adipocytes. *Nucleic Acids Research*, **2012**, 40, 4446-60 | 20.1 | 60 |
| 255 | Meta-analysis of primary target genes of peroxisome proliferator-activated receptors. *Genome Biology*, **2007**, 8, R147 | 18.3 | 59 |
| 254 | Antagonistic action of a 25-carboxylic ester analogue of 1alpha, 25-dihydroxyvitamin D3 is mediated by a lack of ligand-induced vitamin D receptor interaction with coactivators. *Journal of Biological Chemistry*, **2000**, 275, 16506-12 | 5.4 | 59 |
| 253 | Differential effects of 1,25-dihydroxycholecalciferol on MCP-1 and adiponectin production in human white adipocytes. *European Journal of Nutrition*, **2012**, 51, 335-42 | 5.2 | 58 |
| 252 | Regulation of the human cyclin C gene via multiple vitamin D3-responsive regions in its promoter. *Nucleic Acids Research*, **2005**, 33, 2440-51 | 20.1 | 57 |
| 251 | The vitamin D(3) receptor in the context of the nuclear receptor superfamily : The central role of the retinoid X receptor. *Endocrine*, **1996**, 4, 91-105 | | 57 |
| 250 | Distinct HDACs regulate the transcriptional response of human cyclin-dependent kinase inhibitor genes to Trichostatin A and 1alpha,25-dihydroxyvitamin D3. *Nucleic Acids Research*, **2008**, 36, 121-32 | 20.1 | 56 |
| 249 | The first genome-wide view of vitamin D receptor locations and their mechanistic implications. *Anticancer Research*, **2012**, 32, 271-82 | 2.3 | 56 |
| 248 | Genome-wide landscape of liver X receptor chromatin binding and gene regulation in human macrophages. *BMC Genomics*, **2012**, 13, 50 | 4.5 | 55 |
| 247 | Epigenetic control of a VDR-governed feed-forward loop that regulates p21(waf1/cip1) expression and function in non-malignant prostate cells. *Nucleic Acids Research*, **2011**, 39, 2045-56 | 20.1 | 55 |
| 246 | Structure activity relationship of carboxylic ester antagonists of the vitamin D(3) receptor. *Molecular Pharmacology*, **2000**, 58, 1067-74 | 4.3 | 55 |
| 245 | Ligand-triggered stabilization of vitamin D receptor/retinoid X receptor heterodimer conformations on DR4-type response elements. *Journal of Molecular Biology*, **2000**, 296, 743-56 | 6.5 | 54 |
| 244 | Functional characterization of a 1,25-dihydroxyvitamin D3 receptor binding site found in the rat atrial natriuretic factor promoter. *Biochemical and Biophysical Research Communications*, **1996**, 218, 882-6 | 3.4 | 54 |
| 243 | Cellular content of UDP-N-acetylhexosamines controls hyaluronan synthase 2 expression and correlates with O-linked N-acetylglucosamine modification of transcription factors YY1 and SP1. *Journal of Biological Chemistry*, **2011**, 286, 33632-40 | 5.4 | 53 |
| 242 | Critical role of helix 12 of the vitamin D(3) receptor for the partial agonism of carboxylic ester antagonists. *Journal of Molecular Biology*, **2002**, 315, 229-38 | 6.5 | 53 |
| 241 | Carboxylic ester antagonists of 1alpha,25-dihydroxyvitamin D(3) show cell-specific actions. *Chemistry and Biology*, **2000**, 7, 885-94 | | 53 |
| 240 | Central role of VDR conformations for understanding selective actions of vitamin D(3) analogues. *Steroids*, **2001**, 66, 213-21 | 2.8 | 53 |
| 239 | The down-regulation of the human MYC gene by the nuclear hormone 1alpha,25-dihydroxyvitamin D3 is associated with cycling of corepressors and histone deacetylases. *Journal of Molecular Biology* , **2010**, 400, 284-94 | 6.5 | 52 |

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| 238 | The insulin-like growth factor-binding protein 1 gene is a primary target of peroxisome proliferator-activated receptors. *Journal of Biological Chemistry*, **2006**, 281, 39607-19 | 5.4 | 52 |
| 237 | Structural determinants of the agonist-independent association of human peroxisome proliferator-activated receptors with coactivators. *Journal of Biological Chemistry*, **2005**, 280, 26543-56 | 5.4 | 51 |
| 236 | RXR-dependent and RXR-independent transactivation by retinoic acid receptors. *Nucleic Acids Research*, **1993**, 21, 1231-7 | 20.1 | 51 |
| 235 | Functional characterization of vitamin D responding regions in the human 5-Lipoxygenase gene. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2007**, 1771, 864-72 | 5 | 50 |
| 234 | Characterization of DNA complexes formed by the nuclear receptor constitutive androstane receptor. *Journal of Biological Chemistry*, **2003**, 278, 43299-310 | 5.4 | 50 |
| 233 | Dynamics of nuclear receptor target gene regulation. *Chromosoma*, **2010**, 119, 479-84 | 2.8 | 49 |
| 232 | The 1,25-dihydroxyvitamin D3 (VD) analogues MC903, EB1089 and KH1060 activate the VD receptor: homodimers show higher ligand sensitivity than heterodimers with retinoid X receptors. *Journal of Steroid Biochemistry and Molecular Biology*, **1994**, 51, 137-42 | 5.1 | 49 |
| 231 | Response element selectivity for heterodimerization of vitamin D receptors with retinoic acid and retinoid X receptors. *Journal of Molecular Endocrinology*, **1994**, 12, 327-39 | 4.5 | 48 |
| 230 | All natural DR3-type vitamin D response elements show a similar functionality in vitro. *Biochemical Journal*, **2000**, 352, 301-309 | 3.8 | 48 |
| 229 | Selective recognition of vitamin D receptor conformations mediates promoter selectivity of vitamin D analogs. *Molecular Pharmacology*, **1999**, 55, 1077-87 | 4.3 | 47 |
| 228 | Identification of a vitamin D receptor homodimer-type response element in the rat calcitriol 24-hydroxylase gene promoter. *Biochemical and Biophysical Research Communications*, **1994**, 202, 1366-72 | 3.4 | 47 |
| 227 | Orphan nuclear receptor binding site in the human inducible nitric oxide synthase promoter mediates responsiveness to steroid and xenobiotic ligands. *Journal of Cellular Biochemistry*, **2002**, 85, 72-82 | 4.7 | 46 |
| 226 | Relevance of vitamin D receptor target genes for monitoring the vitamin D responsiveness of primary human cells. *PLoS ONE*, **2015**, 10, e0124339 | 3.7 | 44 |
| 225 | Molecular endocrinology of vitamin D on the epigenome level. *Molecular and Cellular Endocrinology* , **2017**, 453, 14-21 | 4.4 | 42 |
| 224 | Primary Vitamin D Target Genes of Human Monocytes. *Frontiers in Physiology*, **2019**, 10, 194 | 4.6 | 42 |
| 223 | Vitamin D receptor ligands: the impact of crystal structures. *Expert Opinion on Therapeutic Patents*, **2012**, 22, 417-35 | 6.8 | 42 |
| 222 | Peroxisome proliferator-activated receptor delta is a specific sensor for teratogenic valproic acid derivatives. *European Journal of Pharmacology*, **2001**, 431, 25-33 | 5.3 | 42 |
| 221 | Identification of a vitamin D3 response element in the fibronectin gene that is bound by a vitamin D3 receptor homodimer. *Journal of Cellular Biochemistry*, **1996**, 60, 322-333 | 4.7 | 42 |

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| 220 | RXR-independent action of the receptors for thyroid hormone, retinoid acid and vitamin D on inverted palindromes. *Biochemical and Biophysical Research Communications*, **1993**, 195, 1345-53 | 3.4 | 42 |
| 219 | Epigenetic corruption of VDR signalling in malignancy. *Anticancer Research*, **2006**, 26, 2557-66 | 2.3 | 42 |
| 218 | Gene regulatory potential of nonsteroidal vitamin D receptor ligands. *Molecular Endocrinology*, **2005**, 19, 2060-73 | | 41 |
| 217 | An integrated biological approach to nuclear receptor signaling in physiological control and disease. *Critical Reviews in Eukaryotic Gene Expression*, **2006**, 16, 1-22 | 1.3 | 41 |
| 216 | Dynamics of 1,25-dihydroxyvitamin D3-dependent chromatin accessibility of early vitamin D receptor target genes. *Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms*, **2013**, 1829, 1266-75 | 6 | 40 |
| 215 | The physiology of vitamin D-far more than calcium and bone. *Frontiers in Physiology*, **2014**, 5, 335 | 4.6 | 40 |
| 214 | Vitamin D receptor agonists specifically modulate the volume of the ligand-binding pocket. *Journal of Biological Chemistry*, **2006**, 281, 10516-26 | 5.4 | 40 |
| 213 | Mechanism of 1,25-dihydroxyvitamin D(3)-dependent repression of interleukin-12B. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2011**, 1813, 810-8 | 4.9 | 39 |
| 212 | Regulation of the hyaluronan synthase 2 gene by convergence in cyclic AMP response element-binding protein and retinoid acid receptor signaling. *Journal of Biological Chemistry*, **2009**, 284, 18270-81 | 5.4 | 39 |
| 211 | Functional characterization of a novel type of 1 alpha,25-dihydroxyvitamin D3 response element identified in the mouse c-fos promoter. *Biochemical and Biophysical Research Communications*, **1997**, 230, 646-51 | 3.4 | 39 |
| 210 | Lipid soluble vitamins in gene regulation. *BioFactors*, **1999**, 10, 91-7 | 6.1 | 39 |
| 209 | Positive and negative interaction of 1,25-dihydroxyvitamin D3 and the retinoid CD437 in the induction of human melanoma cell apoptosis. *International Journal of Cancer*, **1999**, 81, 467-70 | 7.5 | 39 |
| 208 | Healthy Nordic diet downregulates the expression of genes involved in inflammation in subcutaneous adipose tissue in individuals with features of the metabolic syndrome. *American Journal of Clinical Nutrition*, **2015**, 101, 228-39 | 7 | 38 |
| 207 | Population-level transcription cycles derive from stochastic timing of single-cell transcription. *Cell*, **2009**, 138, 489-501 | 56.2 | 38 |
| 206 | Vitamin D receptor 2016: novel ligands and structural insights. *Expert Opinion on Therapeutic Patents*, **2016**, 26, 1291-1306 | 6.8 | 38 |
| 205 | In vivo response of the human epigenome to vitamin D: A Proof-of-principle study. *Journal of Steroid Biochemistry and Molecular Biology*, **2018**, 180, 142-148 | 5.1 | 37 |
| 204 | Antagonist- and inverse agonist-driven interactions of the vitamin D receptor and the constitutive androstane receptor with corepressor protein. *Molecular Endocrinology*, **2005**, 19, 2258-72 | | 37 |
| 203 | Identification and characterization of a vitamin D3 response element of chicken carbonic anhydrase-II. *DNA and Cell Biology*, **1994**, 13, 1181-7 | 3.6 | 37 |

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| 202 | Vitamin D receptor signaling improves Hutchinson-Gilford progeria syndrome cellular phenotypes. *Oncotarget*, **2016**, 7, 30018-31 | 3.3 | 37 |
| 201 | Vitamin D and evolution: Pharmacologic implications. *Biochemical Pharmacology*, **2020**, 173, 113595 | 6 | 37 |
| 200 | Primary 1,25-dihydroxyvitamin D3 response of the interleukin 8 gene cluster in human monocyte- and macrophage-like cells. *PLoS ONE*, **2013**, 8, e78170 | 3.7 | 36 |
| 199 | Integration of the activation of the human hyaluronan synthase 2 gene promoter by common cofactors of the transcription factors retinoic acid receptor and nuclear factor kappaB. *Journal of Biological Chemistry*, **2007**, 282, 11530-9 | 5.4 | 36 |
| 198 | Agonist-triggered modulation of the activated and silent state of the vitamin D(3) receptor by interaction with co-repressors and co-activators. *Journal of Molecular Biology*, **2000**, 304, 793-801 | 6.5 | 36 |
| 197 | Potentiation by vitamin D analogs of TNFalpha and ceramide-induced apoptosis in MCF-7 cells is associated with activation of cytosolic phospholipase A2. *Cell Death and Differentiation*, **1999**, 6, 890-901 | 12.7 | 36 |
| 196 | Thyroid hormone and retinoic acid receptors form heterodimers with retinoid X receptors on direct repeats, palindromes, and inverted palindromes. *DNA and Cell Biology*, **1994**, 13, 333-41 | 3.6 | 36 |
| 195 | Vitamin D Signaling in the Context of Innate Immunity: Focus on Human Monocytes. *Frontiers in Immunology*, **2019**, 10, 2211 | 8.4 | 35 |
| 194 | New vitamin D receptor ligands. *Expert Opinion on Therapeutic Patents*, **2003**, 13, 761-772 | 6.8 | 35 |
| 193 | The high affinity ligand binding conformation of the nuclear 1,25-dihydroxyvitamin D3 receptor is functionally linked to the transactivation domain 2 (AF-2). *Nucleic Acids Research*, **1996**, 24, 4513-8 | 20.1 | 35 |
| 192 | The impact of the vitamin D-modulated epigenome on VDR target gene regulation. *Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms*, **2018**, 1861, 697-705 | 6 | 35 |
| 191 | An aryl hydrocarbon receptor conformation acts as the functional core of nuclear dioxin signaling. *Nucleic Acids Research*, **2000**, 28, 2286-91 | 20.1 | 34 |
| 190 | An update on vitamin D signaling and cancer. *Seminars in Cancer Biology*, **2020**, 79, 217-217 | 12.7 | 33 |
| 189 | The vitamin D receptor. *Dermatologic Clinics*, **2007**, 25, 515-23, viii | 4.2 | 33 |
| 188 | Vitamin D and Its Synthetic Analogs. *Journal of Medicinal Chemistry*, **2019**, 62, 6854-6875 | 8.3 | 32 |
| 187 | Key Vitamin D Target Genes with Functions in the Immune System. *Nutrients*, **2020**, 12, | 6.7 | 32 |
| 186 | Selective regulation of biological processes by vitamin D based on the spatio-temporal cistrome of its receptor. *Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms*, **2017**, 1860, 952-961 | 6 | 32 |
| 185 | Pineal gland hormone melatonin binds and activates an orphan of the nuclear receptor superfamily.. *Journal of Biological Chemistry*, **1997**, 272, 16707 | 5.4 | 32 |

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|---|---|---|---|
| 184 | Detailed molecular understanding of agonistic and antagonistic vitamin D receptor ligands. *Current Topics in Medicinal Chemistry*, **2006**, 6, 1243-53 | 3 | 32 |
| 183 | The role of the T-box for the function of the vitamin D receptor on different types of response elements. *Nucleic Acids Research*, **1998**, 26, 5372-8 | 20.1 | 32 |
| 182 | The number of vitamin D receptor binding sites defines the different vitamin D responsiveness of the CYP24 gene in malignant and normal mammary cells. *Journal of Biological Chemistry*, **2010**, 285, 24174-83 | 5.4 | 31 |
| 181 | Coordinate induction of PPAR alpha and SREBP2 in multifunctional protein 2 deficient mice. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2008**, 1781, 694-702 | 5 | 31 |
| 180 | Corepressor excess shifts the two-side chain vitamin D analog Gemini from an agonist to an inverse agonist of the vitamin D receptor. *Molecular Endocrinology*, **2003**, 17, 2028-38 | | 31 |
| 179 | The critical role of carboxy-terminal amino acids in ligand-dependent and -independent transactivation of the constitutive androstane receptor. *Molecular Endocrinology*, **2003**, 17, 234-46 | | 31 |
| 178 | Epigenomic PU.1-VDR crosstalk modulates vitamin D signaling. *Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms*, **2017**, 1860, 405-415 | 6 | 30 |
| 177 | Vitamin D receptor signaling and its therapeutic implications: Genome-wide and structural view. *Canadian Journal of Physiology and Pharmacology*, **2015**, 93, 311-8 | 2.4 | 30 |
| 176 | Controlling the chromatin organization of vitamin D target genes by multiple vitamin D receptor binding sites. *Journal of Steroid Biochemistry and Molecular Biology*, **2007**, 103, 338-43 | 5.1 | 30 |
| 175 | Differential nuclear receptor signalling from DR4-type response elements. *Journal of Cellular Biochemistry*, **2002**, 86, 601-12 | 4.7 | 30 |
| 174 | Changes in vitamin D target gene expression in adipose tissue monitor the vitamin D response of human individuals. *Molecular Nutrition and Food Research*, **2014**, 58, 2036-45 | 5.9 | 29 |
| 173 | A Role for the PPARgamma in Cancer Therapy. *PPAR Research*, **2008**, 2008, 314974 | 4.3 | 29 |
| 172 | A structural basis for the species-specific antagonism of 26,23-lactones on vitamin D signaling. *Chemistry and Biology*, **2004**, 11, 1147-56 | | 29 |
| 171 | Molecular evaluation of vitamin D3 receptor agonists designed for topical treatment of skin diseases. *Journal of Investigative Dermatology*, **2001**, 116, 785-92 | 4.3 | 29 |
| 170 | Dissecting high from low responders in a vitamin D3 intervention study. *Journal of Steroid Biochemistry and Molecular Biology*, **2015**, 148, 275-82 | 5.1 | 28 |
| 169 | Functional conformations of the nuclear 1alpha,25-dihydroxyvitamin D3 receptor. *Biochemical Journal*, **1997**, 327 ( Pt 2), 561-8 | 3.8 | 28 |
| 168 | Structural evaluation of the agonistic action of a vitamin D analog with two side chains binding to the nuclear vitamin D receptor. *Molecular Pharmacology*, **2003**, 63, 1230-7 | 4.3 | 28 |
| 167 | In vivo transcriptome changes of human white blood cells in response to vitamin D. *Journal of Steroid Biochemistry and Molecular Biology*, **2019**, 188, 71-76 | 5.1 | 28 |

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|---|---|---|---|
| 166 | Vitamin D Genomics: From to. *Frontiers in Endocrinology*, **2018**, 9, 250 | 5.7 | 27 |
| 165 | Integration of VDR genome wide binding and GWAS genetic variation data reveals co-occurrence of VDR and NF-B binding that is linked to immune phenotypes. *BMC Genomics*, **2017**, 18, 132 | 4.5 | 27 |
| 164 | The highly conserved region of the co-repressor Sin3A functionally interacts with the co-repressor Alien. *Nucleic Acids Research*, **2004**, 32, 2995-3004 | 20.1 | 27 |
| 163 | The genes of the coactivator TIF2 and the corepressor SMRT are primary 1alpha,25(OH)2D3 targets. *Journal of Steroid Biochemistry and Molecular Biology*, **2004**, 89-90, 257-60 | 5.1 | 27 |
| 162 | All natural DR3-type vitamin D response elements show a similar functionality in vitro. *Biochemical Journal*, **2000**, 352, 301 | 3.8 | 27 |
| 161 | 9-cis-retinoic acid is a natural antagonist for the retinoic acid receptor response pathway. *Biochemical Journal*, **1993**, 295 ( Pt 2), 343-6 | 3.8 | 27 |
| 160 | Vitamin D-dependent chromatin association of CTCF in human monocytes. *Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms*, **2016**, 1859, 1380-1388 | 6 | 26 |
| 159 | The vitamin D-dependent transcriptome of human monocytes. *Journal of Steroid Biochemistry and Molecular Biology*, **2016**, 164, 180-187 | 5.1 | 26 |
| 158 | Design principles of nuclear receptor signaling: how complex networking improves signal transduction. *Molecular Systems Biology*, **2010**, 6, 446 | 12.2 | 26 |
| 157 | Variations in the ghrelin receptor gene associate with obesity and glucose metabolism in individuals with impaired glucose tolerance. *PLoS ONE*, **2008**, 3, e2941 | 3.7 | 26 |
| 156 | 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 |
| 155 | Molecular evaluation of vitamin D responsiveness of healthy young adults. *Journal of Steroid Biochemistry and Molecular Biology*, **2017**, 174, 314-321 | 5.1 | 24 |
| 154 | Primary vitamin D receptor target genes as biomarkers for the vitamin D3 status in the hematopoietic system. *Journal of Nutritional Biochemistry*, **2014**, 25, 875-84 | 6.3 | 24 |
| 153 | Time-resolved expression profiling of the nuclear receptor superfamily in human adipogenesis. *PLoS ONE*, **2010**, 5, e12991 | 3.7 | 24 |
| 152 | Cyclical regulation of the insulin-like growth factor binding protein 3 gene in response to 1alpha,25-dihydroxyvitamin D3. *Nucleic Acids Research*, **2011**, 39, 502-12 | 20.1 | 24 |
| 151 | Analysis of the 5-lipoxygenase promoter and characterization of a vitamin D receptor binding site. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2006**, 1761, 686-97 | 5 | 24 |
| 150 | Ligand-mediated conformational changes of the VDR are required for gene transactivation. *Journal of Steroid Biochemistry and Molecular Biology*, **2004**, 89-90, 227-32 | 5.1 | 24 |
| 149 | Gene regulatory potential of 1alpha,25-dihydroxyvitamin D(3) analogues with two side chains. *Journal of Cellular Biochemistry*, **2001**, Suppl 36, 179-90 | 4.7 | 24 |

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