

Mark B Meyer

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

60
papers

2,543
citations

29
h-index

50
g-index

61
ext. papers

2,954
ext. citations

5.5
avg, IF

5.29
L-index

#	Paper	IF	Citations
60	The human transient receptor potential vanilloid type 6 distal promoter contains multiple vitamin D receptor binding sites that mediate activation by 1,25-dihydroxyvitamin D3 in intestinal cells. <i>Molecular Endocrinology</i> , 2006 , 20, 1447-61		168
59	CARM1 methylates chromatin remodeling factor BAF155 to enhance tumor progression and metastasis. <i>Cancer Cell</i> , 2014 , 25, 21-36	24.3	159
58	VDR/RXR and TCF4/βcatenin cisomes in colonic cells of colorectal tumor origin: impact on c-FOS and c-MYC gene expression. <i>Molecular Endocrinology</i> , 2012 , 26, 37-51		154
57	Epigenetic Plasticity Drives Adipogenic and Osteogenic Differentiation of Marrow-derived Mesenchymal Stem Cells. <i>Journal of Biological Chemistry</i> , 2016 , 291, 17829-47	5.4	109
56	A downstream intergenic cluster of regulatory enhancers contributes to the induction of CYP24A1 expression by 1α,25-dihydroxyvitamin D3. <i>Journal of Biological Chemistry</i> , 2010 , 285, 15599-15610	5.4	109
55	Multifunctional enhancers regulate mouse and human vitamin D receptor gene transcription. <i>Molecular Endocrinology</i> , 2010 , 24, 128-47		109
54	1,25-Dihydroxyvitamin D regulates expression of the tryptophan hydroxylase 2 and leptin genes: implication for behavioral influences of vitamin D. <i>FASEB Journal</i> , 2015 , 29, 4023-35	0.9	103
53	Genome-wide analysis of the VDR/RXR cisome in osteoblast cells provides new mechanistic insight into the actions of the vitamin D hormone. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2010 , 121, 136-41	5.1	96
52	Fundamentals of vitamin D hormone-regulated gene expression. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2014 , 144 Pt A, 5-11	5.1	86
51	The RUNX2 cisome in osteoblasts: characterization, down-regulation following differentiation, and relationship to gene expression. <i>Journal of Biological Chemistry</i> , 2014 , 289, 16016-31	5.4	86
50	The osteoblast to osteocyte transition: epigenetic changes and response to the vitamin D3 hormone. <i>Molecular Endocrinology</i> , 2014 , 28, 1150-65		86
49	Regulation of target gene expression by the vitamin D receptor - an update on mechanisms. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2012 , 13, 45-55	10.5	81
48	The vitamin D receptor: contemporary genomic approaches reveal new basic and translational insights. <i>Journal of Clinical Investigation</i> , 2017 , 127, 1146-1154	15.9	81
47	Genomic determinants of gene regulation by 1,25-dihydroxyvitamin D3 during osteoblast-lineage cell differentiation. <i>Journal of Biological Chemistry</i> , 2014 , 289, 19539-54	5.4	78
46	Characterizing early events associated with the activation of target genes by 1,25-dihydroxyvitamin D3 in mouse kidney and intestine in vivo. <i>Journal of Biological Chemistry</i> , 2007 , 282, 22344-52	5.4	69
45	1,25-Dihydroxyvitamin D3 Controls a Cohort of Vitamin D Receptor Target Genes in the Proximal Intestine That Is Enriched for Calcium-regulating Components. <i>Journal of Biological Chemistry</i> , 2015 , 290, 18199-18215	5.4	65
44	The learning curve of robotic lobectomy. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2012 , 8, 448-52	2.9	60

43	Molecular actions of 1,25-dihydroxyvitamin D3 on genes involved in calcium homeostasis. <i>Journal of Bone and Mineral Research</i> , 2007 , 22 Suppl 2, V16-9	6.3	55
42	Regulation of gene expression by 1,25-dihydroxyvitamin D3 in bone cells: exploiting new approaches and defining new mechanisms. <i>BoneKEy Reports</i> , 2014 , 3, 482		54
41	A kidney-specific genetic control module in mice governs endocrine regulation of the cytochrome P450 gene essential for vitamin D activation. <i>Journal of Biological Chemistry</i> , 2017 , 292, 17541-17558	5.4	53
40	Selective Distal Enhancer Control of the Mmp13 Gene Identified through Clustered Regularly Interspaced Short Palindromic Repeat (CRISPR) Genomic Deletions. <i>Journal of Biological Chemistry</i> , 2015 , 290, 11093-107	5.4	47
39	Genomic Determinants of Vitamin D-Regulated Gene Expression. <i>Vitamins and Hormones</i> , 2016 , 100, 21-44	2.5	45
38	Emerging regulatory paradigms for control of gene expression by 1,25-dihydroxyvitamin D3. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2010 , 121, 130-5	5.1	41
37	A novel distal enhancer mediates cytokine induction of mouse RANKL gene expression. <i>Molecular Endocrinology</i> , 2009 , 23, 2095-110		39
36	Mouse Rankl expression is regulated in T cells by c-Fos through a cluster of distal regulatory enhancers designated the T cell control region. <i>Journal of Biological Chemistry</i> , 2011 , 286, 20880-91	5.4	39
35	Corepressors (NCoR and SMRT) as well as coactivators are recruited to positively regulated 1,25-dihydroxyvitamin D3-responsive genes. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2013 , 136, 120-4	5.1	37
34	Regulation of mouse Cyp24a1 expression via promoter-proximal and downstream-distal enhancers highlights new concepts of 1,25-dihydroxyvitamin D(3) action. <i>Archives of Biochemistry and Biophysics</i> , 2012 , 523, 2-8	4.1	34
33	A Novel Distal Enhancer Mediates Inflammation-, PTH-, and Early Onset Murine Kidney Disease-Induced Expression of the Mouse Gene. <i>JBMR Plus</i> , 2018 , 2, 32-47	3.9	31
32	The mouse RANKL gene locus is defined by a broad pattern of histone H4 acetylation and regulated through distinct distal enhancers. <i>Journal of Cellular Biochemistry</i> , 2011 , 112, 2030-45	4.7	30
31	Epigenetic histone modifications and master regulators as determinants of context dependent nuclear receptor activity in bone cells. <i>Bone</i> , 2015 , 81, 757-764	4.7	28
30	The parathyroid hormone-regulated transcriptome in osteocytes: parallel actions with 1,25-dihydroxyvitamin D3 to oppose gene expression changes during differentiation and to promote mature cell function. <i>Bone</i> , 2015 , 72, 81-91	4.7	27
29	1,25-Dihydroxyvitamin D3 and the aging-related forkhead box O and sestrin proteins in osteoblasts. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2013 , 136, 112-9	5.1	26
28	Mechanical strain downregulates C/EBP β in MSC and decreases endoplasmic reticulum stress. <i>PLoS ONE</i> , 2012 , 7, e51613	3.7	25
27	Transcriptional regulation of the human TNFSF11 gene in T cells via a cell type-selective set of distal enhancers. <i>Journal of Cellular Biochemistry</i> , 2015 , 116, 320-30	4.7	23
26	β Catenin Preserves the Stem State of Murine Bone Marrow Stromal Cells Through Activation of EZH2. <i>Journal of Bone and Mineral Research</i> , 2020 , 35, 1149-1162	6.3	22

25	The enhanced hypercalcemic response to 20-epi-1,25-dihydroxyvitamin D3 results from a selective and prolonged induction of intestinal calcium-regulating genes. <i>Endocrinology</i> , 2009 , 150, 3448-56	4.8	20
24	Targeted genomic deletions identify diverse enhancer functions and generate a kidney-specific, endocrine-deficient pseudo-null mouse. <i>Journal of Biological Chemistry</i> , 2019 , 294, 9518-9535	5.4	19
23	Mechanisms of Enhancer-mediated Hormonal Control of Vitamin D Receptor Gene Expression in Target Cells. <i>Journal of Biological Chemistry</i> , 2015 , 290, 30573-86	5.4	19
22	A chromatin-based mechanism controls differential regulation of the cytochrome P450 gene in renal and non-renal tissues. <i>Journal of Biological Chemistry</i> , 2019 , 294, 14467-14481	5.4	17
21	The impact of VDR expression and regulation in vivo. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2018 , 177, 36-45	5.1	17
20	1,25-Dihydroxyvitamin D3 induced histone profiles guide discovery of VDR action sites. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2014 , 144 Pt A, 19-21	5.1	17
19	Mechanistic homeostasis of vitamin D metabolism in the kidney through reciprocal modulation of Cyp27b1 and Cyp24a1 expression. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2020 , 196, 105500	5.1	17
18	Selective regulation of Mmp13 by 1,25(OH)D, PTH, and Osterix through distal enhancers. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2016 , 164, 258-264	5.1	16
17	The Phosphorylated Estrogen Receptor (ER) Cistrome Identifies a Subset of Active Enhancers Enriched for Direct ER-DNA Binding and the Transcription Factor GRHL2. <i>Molecular and Cellular Biology</i> , 2019 , 39,	4.8	14
16	Class 3 semaphorins are transcriptionally regulated by 1,25(OH)D in osteoblasts. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2017 , 173, 185-193	5.1	8
15	The Vitamin D Receptor: Biochemical, Molecular, Biological, and Genomic Era Investigations 2011 , 97-135		6
14	A Control Region Near the Fibroblast Growth Factor 23 Gene Mediates Response to Phosphate, 1,25(OH)2D3, and LPS In Vivo. <i>Endocrinology</i> , 2019 , 160, 2877-2891	4.8	5
13	Profiling histone modifications by chromatin immunoprecipitation coupled to deep sequencing in skeletal cells. <i>Methods in Molecular Biology</i> , 2015 , 1226, 61-70	1.4	4
12	The unsettled science of nonrenal calcitriol production and its clinical relevance. <i>Journal of Clinical Investigation</i> , 2020 , 130, 4519-4521	15.9	3
11	Deletion of a putative promoter-proximal Tnfsf11 regulatory region in mice does not alter bone mass or Tnfsf11 expression in vivo. <i>PLoS ONE</i> , 2021 , 16, e0250974	3.7	2
10	1,25-Dihydroxyvitamin D3 2012 , 1681-1709		1
9	Deletion of Mediator 1 suppresses TGF β signaling leading to changes in epidermal lineages and regeneration. <i>PLoS ONE</i> , 2020 , 15, e0238076	3.7	1
8	Genomic Mechanisms Governing Mineral Homeostasis and the Regulation and Maintenance of Vitamin D Metabolism. <i>JBMR Plus</i> , 2021 , 5, e10433	3.9	1

- 7 Assessment of Mosaicism and Detection of Cryptic Alleles in CRISPR/Cas9-Engineered Neurofibromatosis Type 1 and Mutant Porcine Models Reveals Overlooked Challenges in Precision Modeling of Human Diseases. *Frontiers in Genetics*, **2021**, 12, 721045 4.5 1
- 6 Genome-Wide Perspectives on Vitamin D Receptor-Mediated Control of Gene Expression in Target Cells **2018**, 141-174
- 5 Mesenchymal Differentiation, Epigenetic Dynamics, and Interactions With VDR **2018**, 227-243
- 4 Deletion of Mediator 1 suppresses TGF β signaling leading to changes in epidermal lineages and regeneration **2020**, 15, e0238076
- 3 Deletion of Mediator 1 suppresses TGF β signaling leading to changes in epidermal lineages and regeneration **2020**, 15, e0238076
- 2 Deletion of Mediator 1 suppresses TGF β signaling leading to changes in epidermal lineages and regeneration **2020**, 15, e0238076
- 1 Deletion of Mediator 1 suppresses TGF β signaling leading to changes in epidermal lineages and regeneration **2020**, 15, e0238076