Mark B Meyer

List of Publications by Year
in descending order

61 papers	3,340 citations	126708 33 h-index	168136 53 g-index
61 all docs	61 docs citations	61 times ranked	4020 citing authors

#	Article	IF	Citations
1	Genomic Mechanisms Governing Mineral Homeostasis and the Regulation and Maintenance of Vitamin D Metabolism. JBMR Plus, 2021, 5, e10433.	1.3	13
2	Deletion of a putative promoter-proximal Tnfsf11 regulatory region in mice does not alter bone mass or Tnfsf11 expression in vivo. PLoS ONE, 2021, 16, e0250974.	1.1	4
3	Assessment of Mosaicism and Detection of Cryptic Alleles in CRISPR/Cas9-Engineered Neurofibromatosis Type 1 and TP53 Mutant Porcine Models Reveals Overlooked Challenges in Precision Modeling of Human Diseases. Frontiers in Genetics, 2021, 12, 721045.	1.1	5
4	New Approaches to Assess Mechanisms of Action of Selective Vitamin D Analogues. International Journal of Molecular Sciences, 2021, 22, 12352.	1.8	4
5	Mechanistic homeostasis of vitamin D metabolism in the kidney through reciprocal modulation of Cyp27b1 and Cyp24a1 expression. Journal of Steroid Biochemistry and Molecular Biology, 2020, 196, 105500.	1.2	47
6	Deletion of Mediator 1 suppresses TGFÎ² signaling leading to changes in epidermal lineages and regeneration. PLoS ONE, 2020, 15, e0238076.	1.1	4
7	Î²â€Catenin Preserves the Stem State of Murine Bone Marrow Stromal Cells Through Activation of EZH2. Journal of Bone and Mineral Research, 2020, 35, 1149-1162.	3.1	42
8	The unsettled science of nonrenal calcitriol production and its clinical relevance. Journal of Clinical Investigation, 2020, 130, 4519-4521.	3.9	8
9	Title is missing!. , 2020, 15, e0238076.		0
10	Title is missing!. , 2020, 15, e0238076.		0
11	Title is missing!. , 2020, 15, e0238076.		0
12	Title is missing!. , 2020, 15, e0238076.		0
13	A chromatin-based mechanism controls differential regulation of the cytochrome P450 gene Cyp24a1 in renal and non-renal tissues. Journal of Biological Chemistry, 2019, 294, 14467-14481.	1.6	40
14	Targeted genomic deletions identify diverse enhancer functions and generate a kidney-specific, endocrine-deficient Cyp27b1 pseudo-null mouse. Journal of Biological Chemistry, 2019, 294, 9518-9535.	1.6	40
15	A Control Region Near the Fibroblast Growth Factor 23 Gene Mediates Response to Phosphate, 1,25(OH)2D3, and LPS In Vivo. Endocrinology, 2019, 160, 2877-2891.	1.4	20
16	The Phosphorylated Estrogen Receptor <i>Î±</i> (ER) Cistrome Identifies a Subset of Active Enhancers Enriched for Direct ER-DNA Binding and the Transcription Factor GRHL2. Molecular and Cellular Biology, 2019, 39, .	1.1	20
17	A Novel Distal Enhancer Mediates Inflammationâ€, PTHâ€, and Early Onset Murine Kidney Diseaseâ€Induced Expression of the Mouse <i>Fgf23</i> Gene. JBMR Plus, 2018, 2, 31-46.	1.3	52
18	The impact of VDR expression and regulation in vivo. Journal of Steroid Biochemistry and Molecular Biology, 2018, 177, 36-45.	1.2	25

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19	Genome-Wide Perspectives on Vitamin D Receptorâ€“Mediated Control of Gene Expression in Target Cells. , 2018, , 141-174.		2
20	Mesenchymal Differentiation, Epigenetic Dynamics, and Interactions With VDR. , 2018, , 227-243.		0
21	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
22	A kidney-specific genetic control module in mice governs endocrine regulation of the cytochrome P450 gene Cyp27b1 essential for vitamin D3 activation. Journal of Biological Chemistry, 2017, 292, 17541-17558.	1.6	74
23	The vitamin D receptor: contemporary genomic approaches reveal new basic and translational insights. Journal of Clinical Investigation, 2017, 127, 1146-1154.	3.9	125
24	Genomic Determinants of Vitamin D-Regulated Gene Expression. Vitamins and Hormones, 2016, 100, 21-44.	0.7	67
25	Epigenetic Plasticity Drives Adipogenic and Osteogenic Differentiation of Marrow-derived Mesenchymal Stem Cells. Journal of Biological Chemistry, 2016, 291, 17829-17847.	1.6	150
26	Selective regulation of Mmp13 by 1,25(OH)2D3, PTH, and Osterix through distal enhancers. Journal of Steroid Biochemistry and Molecular Biology, 2016, 164, 258-264.	1.2	26
27	Transcriptional Regulation of the Human<i>TNFSF11</i>Gene in T Cells via a Cell Type-Selective Set of Distal Enhancers. Journal of Cellular Biochemistry, 2015, 116, 320-330.	1.2	29
28	1,25-Dihydroxyvitamin D regulates expression of the tryptophan hydroxylase 2 and leptin genes: implication for behavioral influences of vitamin D. FASEB Journal, 2015, 29, 4023-4035.	0.2	139
29	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.	1.6	87
30	Selective Distal Enhancer Control of the Mmp13 Gene Identified through Clustered Regularly Interspaced Short Palindromic Repeat (CRISPR) Genomic Deletions. Journal of Biological Chemistry, 2015, 290, 11093-11107.	1.6	55
31	Epigenetic histone modifications and master regulators as determinants of context dependent nuclear receptor activity in bone cells. Bone, 2015, 81, 757-764.	1.4	32
32	Mechanisms of Enhancer-mediated Hormonal Control of Vitamin D Receptor Gene Expression in Target Cells. Journal of Biological Chemistry, 2015, 290, 30573-30586.	1.6	26
33	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. Bone, 2015, 72, 81-91.	1.4	35
34	Profiling Histone Modifications by Chromatin Immunoprecipitation Coupled to Deep Sequencing in Skeletal Cells. Methods in Molecular Biology, 2015, 1226, 61-70.	0.4	5
35	Regulation of gene expression by 1,25-dihydroxyvitamin D3 in bone cells: exploiting new approaches and defining new mechanisms. BoneKEy Reports, 2014, 3, 482.	2.7	60
36	Genomic Determinants of Gene Regulation by 1,25-Dihydroxyvitamin D3 during Osteoblast-lineage Cell Differentiation. Journal of Biological Chemistry, 2014, 289, 19539-19554.	1.6	100

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37	1,25-Dihydroxyvitamin D3 induced histone profiles guide discovery of VDR action sites. Journal of Steroid Biochemistry and Molecular Biology, 2014, 144, 19-21.	1.2	24
38	Fundamentals of vitamin D hormone-regulated gene expression. Journal of Steroid Biochemistry and Molecular Biology, 2014, 144, 5-11.	1.2	107
39	The RUNX2 Cistrome in Osteoblasts. Journal of Biological Chemistry, 2014, 289, 16016-16031.	1.6	112
40	The Osteoblast to Osteocyte Transition: Epigenetic Changes and Response to the Vitamin D₃Hormone. Molecular Endocrinology, 2014, 28, 1150-1165.	3.7	113
41	CARM1 Methylates Chromatin Remodeling Factor BAF155 to Enhance Tumor Progression and Metastasis. Cancer Cell, 2014, 25, 21-36.	7.7	215
42	Corepressors (NCoR and SMRT) as well as coactivators are recruited to positively regulated 1Î±,25-dihydroxyvitamin D3-responsive genes. Journal of Steroid Biochemistry and Molecular Biology, 2013, 136, 120-124.	1.2	46
43	1,25-Dihydroxyvitamin D3 and the aging-related Forkhead Box O and Sestrin proteins in osteoblasts. Journal of Steroid Biochemistry and Molecular Biology, 2013, 136, 112-119.	1.2	35
44	VDR/RXR and TCF4/Î²-Catenin Cistromes in Colonic Cells of Colorectal Tumor Origin: Impact on c-FOS and c-MYC Gene Expression. Molecular Endocrinology, 2012, 26, 37-51.	3.7	188
45	Regulation of mouse Cyp24a1 expression via promoter-proximal and downstream-distal enhancers highlights new concepts of 1,25-dihydroxyvitamin D3 action. Archives of Biochemistry and Biophysics, 2012, 523, 2-8.	1.4	40
46	The learning curve of robotic lobectomy. International Journal of Medical Robotics and Computer Assisted Surgery, 2012, 8, 448-452.	1.2	84
47	Mechanical Strain Downregulates C/EBPÎ² in MSC and Decreases Endoplasmic Reticulum Stress. PLoS ONE, 2012, 7, e51613.	1.1	29
48	1,25-Dihydroxyvitamin D3. , 2012, , 1681-1709.		1
49	Regulation of target gene expression by the vitamin D receptor - an update on mechanisms. Reviews in Endocrine and Metabolic Disorders, 2012, 13, 45-55.	2.6	102
50	The mouse RANKL gene locus is defined by a broad pattern of histone H4 acetylation and regulated through distinct distal enhancers. Journal of Cellular Biochemistry, 2011, 112, 2030-2045.	1.2	33
51	Mouse Rankl Expression Is Regulated in T Cells by c-Fos through a Cluster of Distal Regulatory Enhancers Designated the T Cell Control Region. Journal of Biological Chemistry, 2011, 286, 20880-20891.	1.6	42
52	The Vitamin D Receptor. , 2011, , 97-135.		9
53	A Downstream Intergenic Cluster of Regulatory Enhancers Contributes to the Induction of CYP24A1 Expression by 1Î±,25-Dihydroxyvitamin D3. Journal of Biological Chemistry, 2010, 285, 15599-15610.	1.6	130
54	Multifunctional Enhancers Regulate Mouse and Human Vitamin D Receptor Gene Transcription. Molecular Endocrinology, 2010, 24, 128-147.	3.7	126

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55	Genome-wide analysis of the VDR/RXR cistrome in osteoblast cells provides new mechanistic insight into the actions of the vitamin D hormone. Journal of Steroid Biochemistry and Molecular Biology, 2010, 121, 136-141.	1.2	107
56	Emerging regulatory paradigms for control of gene expression by 1,25-dihydroxyvitamin D3. Journal of Steroid Biochemistry and Molecular Biology, 2010, 121, 130-135.	1.2	49
57	The Enhanced Hypercalcemic Response to 20-Epi-1,25-Dihydroxyvitamin D3 Results from a Selective and Prolonged Induction of Intestinal Calcium-Regulating Genes. Endocrinology, 2009, 150, 3448-3456.	1.4	23
58	A Novel Distal Enhancer Mediates Cytokine Induction of Mouse Rankl Gene Expression. Molecular Endocrinology, 2009, 23, 2095-2110.	3.7	45
59	Characterizing Early Events Associated with the Activation of Target Genes by 1,25-Dihydroxyvitamin D3 in Mouse Kidney and Intestine in Vivo*. Journal of Biological Chemistry, 2007, 282, 22344-22352.	1.6	81
60	Molecular Actions of 1,25-Dihydroxyvitamin D3 on Genes Involved in Calcium Homeostasis. Journal of Bone and Mineral Research, 2007, 22, V16-V19.	3.1	59
61	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. Molecular Endocrinology, 2006, 20, 1447-1461.	3.7	189