# Marie B Demay

List of Publications by Year
in descending order



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|---|---|---|---|
| 75 papers | 6,132 citations | 101543<br>36 h-index | 79698<br>73 g-index |
| 77 all docs | 77 docs citations | 77 times ranked | 6222 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Vitamin D and Human Health: Lessons from Vitamin D Receptor Null Mice. Endocrine Reviews, 2008, 29, 726-776. | 20.1 | 1,461 |
| 2 | Normalization of Mineral Ion Homeostasis by Dietary Means Prevents Hyperparathyroidism, Rickets, and Osteomalacia, But Not Alopecia in Vitamin D Receptor-Ablated Mice<sup>1</sup>. Endocrinology, 1998, 139, 4391-4396. | 2.8 | 474 |
| 3 | Rescue of the Skeletal Phenotype of Vitamin D Receptor-Ablated Mice in the Setting of Normal Mineral Ion Homeostasis: Formal Histomorphometric and Biomechanical Analyses1. Endocrinology, 1999, 140, 4982-4987. | 2.8 | 468 |
| 4 | Osteoblasts remotely supply lung tumors with cancer-promoting SiglecF <sup>high</sup> neutrophils. Science, 2017, 358, . | 12.6 | 270 |
| 5 | Deficient Mineralization of Intramembranous Bone in Vitamin D-24-Hydroxylase-Ablated Mice Is Due to Elevated 1,25-Dihydroxyvitamin D and Not to the Absence of 24,25-Dihydroxyvitamin D*. Endocrinology, 2000, 141, 2658-2666. | 2.8 | 257 |
| 6 | Hypophosphatemia leads to rickets by impairing caspase-mediated apoptosis of hypertrophic chondrocytes. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 9637-9642. | 7.1 | 222 |
| 7 | Two tissue-resident progenitor lineages drive distinct phenotypes of heterotopic ossification. Science Translational Medicine, 2016, 8, 366ra163. | 12.4 | 168 |
| 8 | Vitamin D receptor is essential for normal keratinocyte stem cell function. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 9428-9433. | 7.1 | 137 |
| 9 | Ligand-Independent Actions of the Vitamin D Receptor Maintain Hair Follicle Homeostasis. Molecular Endocrinology, 2005, 19, 855-862. | 3.7 | 132 |
| 10 | Normalization of Mineral Ion Homeostasis by Dietary Means Prevents Hyperparathyroidism, Rickets, and Osteomalacia, But Not Alopecia in Vitamin D Receptor-Ablated Mice. Endocrinology, 1998, 139, 4391-4396. | 2.8 | 127 |
| 11 | Metabolic and cellular analysis of alopecia in vitamin D receptor knockout mice. Journal of Clinical Investigation, 2001, 107, 961-966. | 8.2 | 122 |
| 12 | Rescue of the Skeletal Phenotype of Vitamin D Receptor-Ablated Mice in the Setting of Normal Mineral Ion Homeostasis: Formal Histomorphometric and Biomechanical Analyses. Endocrinology, 1999, 140, 4982-4987. | 2.8 | 121 |
| 13 | Targeting Expression of the Human Vitamin D Receptor to the Keratinocytes of Vitamin D Receptor Null Mice Prevents Alopecia. Endocrinology, 2001, 142, 5386-5389. | 2.8 | 103 |
| 14 | Evaluation of Keratinocyte Proliferation and Differentiation in Vitamin D Receptor Knockout Mice*. Endocrinology, 2000, 141, 2043-2049. | 2.8 | 101 |
| 15 | Mechanism of Vitamin D Receptor Action. Annals of the New York Academy of Sciences, 2006, 1068, 204-213. | 3.8 | 96 |
| 16 | Rickets in VDR Null Mice Is Secondary to Decreased Apoptosis of Hypertrophic Chondrocytes. Endocrinology, 2002, 143, 3691-3691. | 2.8 | 92 |
| 17 | VITAMIN D DEFICIENCY AND DISORDERS OF VITAMIN D METABOLISM. Endocrinology and Metabolism Clinics of North America, 2000, 29, 611-627. | 3.2 | 91 |
| 18 | Analysis of Vitamin D-Dependent Calcium-Binding Protein Messenger Ribonucleic Acid Expression in Mice Lacking the Vitamin D Receptor<sup>1</sup>. Endocrinology, 1998, 139, 847-851. | 2.8 | 84 |

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|---|---|---|---|
| 19 | VDR-mediated inhibition of DKK1 and SFRP2 suppresses adipogenic differentiation of murine bone marrow stromal cells. Journal of Cellular Biochemistry, 2007, 101, 80-88. | 2.6 | 80 |
| 20 | Cloning and Characterization of a Novel WD-40 Repeat Protein That Dramatically Accelerates Osteoblastic Differentiation. Journal of Biological Chemistry, 2001, 276, 46515-46522. | 3.4 | 74 |
| 21 | Osteoblasts lacking the vitamin D receptor display enhanced osteogenic potential in vitro. Journal of Cellular Biochemistry, 2005, 94, 81-87. | 2.6 | 65 |
| 22 | Impaired bone development and increased mesenchymal progenitor cells in calvaria of RB1-/- mice. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 18402-18407. | 7.1 | 63 |
| 23 | Vitamin D regulates osteocyte survival and perilacunar remodeling in human and murine bone. Bone, 2017, 103, 78-87. | 2.9 | 60 |
| 24 | Phosphate-induced Apoptosis of Hypertrophic Chondrocytes Is Associated with a Decrease in Mitochondrial Membrane Potential and Is Dependent upon Erk1/2 Phosphorylation. Journal of Biological Chemistry, 2010, 285, 18270-18275. | 3.4 | 57 |
| 25 | 1,25-Dihydroxyvitamin D Alone Improves Skeletal Growth, Microarchitecture, and Strength in a Murine Model of XLH, Despite Enhanced FGF23 Expression. Journal of Bone and Mineral Research, 2016, 31, 929-939. | 2.8 | 56 |
| 26 | The biology and pathology of vitamin D control in bone. Journal of Cellular Biochemistry, 2010, 111, 7-13. | 2.6 | 55 |
| 27 | Cloning and Characterization of the Vitamin D Receptor from Xenopus laevis*. Endocrinology, 1997, 138, 2347-2353. | 2.8 | 54 |
| 28 | Nucleotide sequence of cloned cDNAs encoding chicken preproparathyroid hormone. Journal of Bone and Mineral Research, 1988, 3, 689-698. | 2.8 | 53 |
| 29 | Wdr5 Is Essential for Osteoblast Differentiation. Journal of Biological Chemistry, 2008, 283, 7361-7367. | 3.4 | 51 |
| 30 | The Vitamin D Receptor Is Required for Activation of cWnt and Hedgehog Signaling in Keratinocytes. Molecular Endocrinology, 2014, 28, 1698-1706. | 3.7 | 48 |
| 31 | Muscle: A Nontraditional 1,25-Dihydroxyvitamin D Target Tissue Exhibiting Classic Hormone-Dependent Vitamin D Receptor Actions. Endocrinology, 2003, 144, 5135-5137. | 2.8 | 44 |
| 32 | Increased Circulating FGF23 Does Not Lead to Cardiac Hypertrophy in the Male Hyp Mouse Model of XLH. Endocrinology, 2018, 159, 2165-2172. | 2.8 | 44 |
| 33 | Role of the vitamin D receptor in hair follicle biology. Journal of Steroid Biochemistry and Molecular Biology, 2007, 103, 344-346. | 2.5 | 43 |
| 34 | Hormonal Regulation of Osteocyte Perilacunar and Canalicular Remodeling in the Hyp Mouse Model of X-Linked Hypophosphatemia. Journal of Bone and Mineral Research, 2018, 33, 499-509. | 2.8 | 43 |
| 35 | Wdr5, a WD-40 protein, regulates osteoblast differentiation during embryonic bone development. Developmental Biology, 2006, 295, 498-506. | 2.0 | 41 |
| 36 | Lymphoid Enhancer-binding Factor-1 (LEF1) Interacts with the DNA-binding Domain of the Vitamin D Receptor. Journal of Biological Chemistry, 2011, 286, 18444-18451. | 3.4 | 38 |

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|---|---|---|---|
| 37 | Calcium and Vitamin D: What Is Known About the Effects on Growing Bone. Pediatrics, 2007, 119, S141-S144. | 2.1 | 37 |
| 38 | The hair cycle and Vitamin D receptor. Archives of Biochemistry and Biophysics, 2012, 523, 19-21. | 3.0 | 37 |
| 39 | The Receptor-Dependent Actions of 1,25-Dihydroxyvitamin D Are Required for Normal Growth Plate Maturation in NPt2a Knockout Mice. Endocrinology, 2010, 151, 4607-4612. | 2.8 | 34 |
| 40 | Physiological Insights from the Vitamin D Receptor Knockout Mouse. Calcified Tissue International, 2013, 92, 99-105. | 3.1 | 31 |
| 41 | The Vitamin D Receptor Regulates Tissue Resident Macrophage Response to Injury. Endocrinology, 2016, 157, 4066-4075. | 2.8 | 28 |
| 42 | Targeting Expression of the Human Vitamin D Receptor to the Keratinocytes of Vitamin D Receptor Null Mice Prevents Alopecia. Endocrinology, 2001, 142, 5386-5386. | 2.8 | 28 |
| 43 | Fibromodulin is expressed by both chondrocytes and osteoblasts during fetal bone development. Journal of Cellular Biochemistry, 2001, 82, 46-57. | 2.6 | 27 |
| 44 | BIG-3, a Novel WD-40 Repeat Protein, Is Expressed in the Developing Growth Plate and Accelerates Chondrocyte Differentiationin Vitro. Endocrinology, 2004, 145, 1050-1054. | 2.8 | 27 |
| 45 | The vitamin D receptor, the skin and stem cells. Journal of Steroid Biochemistry and Molecular Biology, 2010, 121, 314-316. | 2.5 | 27 |
| 46 | Acute Phosphate Restriction Impairs Bone Formation and Increases Marrow Adipose Tissue in Growing Mice. Journal of Bone and Mineral Research, 2016, 31, 2204-2214. | 2.8 | 26 |
| 47 | Acute phosphate restriction leads to impaired fracture healing and resistance to BMP-2. Journal of Bone and Mineral Research, 2010, 25, 724-733. | 2.8 | 25 |
| 48 | Evaluation of Keratinocyte Proliferation and Differentiation in Vitamin D Receptor Knockout Mice. Endocrinology, 2000, 141, 2043-2049. | 2.8 | 25 |
| 49 | Phosphate Interacts With PTHrP to Regulate Endochondral Bone Formation. Endocrinology, 2014, 155, 3750-3756. | 2.8 | 24 |
| 50 | Cloning and Characterization of the Vitamin D Receptor from Xenopus laevis. Endocrinology, 1997, 138, 2347-2353. | 2.8 | 24 |
| 51 | Effect of Bisphosphonates on the Rapidly Growing Male Murine Skeleton. Endocrinology, 2014, 155, 1188-1196. | 2.8 | 22 |
| 52 | Identification of an Osteoblastic Silencer Element in the First Intron of the Rat Osteocalcin Geneâ€. Biochemistry, 1996, 35, 11005-11011. | 2.5 | 20 |
| 53 | Raf Kinases Are Essential for Phosphate Induction of ERK1/2 Phosphorylation in Hypertrophic Chondrocytes and Normal Endochondral Bone Development. Journal of Biological Chemistry, 2017, 292, 3164-3171. | 3.4 | 17 |
| 54 | Molecular analysis of enthesopathy in a mouse model of hypophosphatemic rickets. Development (Cambridge), 2018, 145, . | 2.5 | 16 |

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| 55 | BMP-2 induces the expression of activin ?A and follistatin in vitro. Journal of Cellular Biochemistry, 2000, 79, 80-88. | 2.6 | 15 |
| 56 | Case 16-2008. New England Journal of Medicine, 2008, 358, 2266-2274. | 27.0 | 15 |
| 57 | C-Raf promotes Angiogenesis during Normal Growth Plate Maturation. Development (Cambridge), 2015, 143, 348-55. | 2.5 | 14 |
| 58 | Phosphate regulates embryonic endochondral bone development. Journal of Cellular Biochemistry, 2009, 108, 668-674. | 2.6 | 13 |
| 59 | Perichondrial expression of Wdr5 regulates chondrocyte proliferation and differentiation. Developmental Biology, 2009, 329, 36-43. | 2.0 | 12 |
| 60 | Absence of vitamin D receptor (VDR)â€mediated PPARÎ³ suppression causes alopecia in VDRâ€null mice. FASEB Journal, 2017, 31, 1059-1066. | 0.5 | 12 |
| 61 | Bisphosphonate Withdrawal: Effects on Bone Formation and Bone Resorption in Maturing Male Mice. Journal of Bone and Mineral Research, 2017, 32, 814-820. | 2.8 | 11 |
| 62 | 1,25-Dihydroxyvitamin D Maintains Brush Border Membrane NaPi2a and Attenuates Phosphaturia in Hyp Mice. Endocrinology, 2019, 160, 2204-2214. | 2.8 | 11 |
| 63 | Phosphate restriction impairs mTORC1 signaling leading to increased bone marrow adipose tissue and decreased bone in growing mice. Journal of Bone and Mineral Research, 2020, 36, 1510-1520. | 2.8 | 10 |
| 64 | An Inverse Agonist Ligand of the PTH Receptor Partially Rescues Skeletal Defects in a Mouse Model of Jansen's Metaphyseal Chondrodysplasia. Journal of Bone and Mineral Research, 2020, 35, 540-549. | 2.8 | 8 |
| 65 | Conductive Hearing Loss in the <i>Hyp</i> Mouse Model of X-Linked Hypophosphatemia Is Accompanied by Hypomineralization of the Auditory Ossicles. Journal of Bone and Mineral Research, 2020, 36, 2317-2328. | 2.8 | 8 |
| 66 | Loss of Intestinal Alkaline Phosphatase Leads to Distinct Chronic Changes in Bone Phenotype. Journal of Surgical Research, 2018, 232, 325-331. | 1.6 | 7 |
| 67 | Adipose-specific VDR Deletion Leads to Hepatic Steatosis in Female Mice Fed a Low-Fat Diet. Endocrinology, 2022, 163, . | 2.8 | 7 |
| 68 | The good and the bad of vitamin D inactivation. Journal of Clinical Investigation, 2018, 128, 3736-3738. | 8.2 | 6 |
| 69 | The effects of BIG-3 on osteoblast differentiation are not dependent upon endogenously produced BMPs. Experimental Cell Research, 2005, 304, 287-292. | 2.6 | 4 |
| 70 | Characterization of an enhancer required for 1,25-dihydroxyvitamin D3-dependent transactivation of the rat osteocalcin gene. Journal of Cellular Biochemistry, 1999, 73, 400-407. | 2.6 | 3 |
| 71 | Highlights from the 18th workshop on vitamin D, Delft, The Netherlands, April 21â€"24, 2015. Journal of Steroid Biochemistry and Molecular Biology, 2016, 164, 1-3. | 2.5 | 3 |
| 72 | Highlights from the 19 th Workshop on Vitamin D in Boston, March 29â€"31, 2016. Journal of Steroid Biochemistry and Molecular Biology, 2017, 173, 1-4. | 2.5 | 1 |

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| 73 | Prevention of Hypomineralization In Auditory Ossicles of Vitamin D Receptor (Vdr) Deficient Mice. Frontiers in Endocrinology, 0, 13, . | 3.5 | 1 |
| 74 | Intravital imaging of the lacunar-canalicular network in mouse calvaria using third harmonic generation microscopy. , 2017, , . | | 0 |
| 75 | The Role of Vitamin D and Its Receptor in Hair Follicle Biology. , 2018, , 521-526. | | 0 |