# Gerard Karsenty

List of Publications by Year
in descending order

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|---|---|---|---|
| 187 papers | 45,751 citations | 4388 86 h-index | 3487 182 g-index |
| 200 all docs | 200 docs citations | 200 times ranked | 37127 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Meeting Report: Aging Research and Drug Discovery. Aging, 2022, 14, 530-543. | 3.1 | 4 |
| 2 | Clenbuterol exerts antidiabetic activity through metabolic reprogramming of skeletal muscle cells. Nature Communications, 2022, 13, 22. | 12.8 | 15 |
| 3 | Osteocalcin and the physiology of danger. FEBS Letters, 2022, 596, 665-680. | 2.8 | 7 |
| 4 | Embryonic osteocalcin signaling determines lifelong adrenal steroidogenesis and homeostasis in the mouse. Journal of Clinical Investigation, 2022, 132, . | 8.2 | 16 |
| 5 | Protein tyrosine phosphatase 1B regulates miR-208b-argonaute 2 association and thyroid hormone responsiveness in cardiac hypertrophy. Science Signaling, 2022, 15, eabn6875. | 3.6 | 5 |
| 6 | The crosstalk between bone remodeling and energy metabolism: A translational perspective. Cell Metabolism, 2022, 34, 805-817. | 16.2 | 37 |
| 7 | Adiponectin Promotes Maternal Î²-Cell Expansion Through Placental Lactogen Expression. Diabetes, 2021, 70, 132-142. | 0.6 | 16 |
| 8 | Osteoblastâ€specific deficiency of ectonucleotide pyrophosphatase or phosphodiesteraseâ€1 engenders insulin resistance in highâ€fat diet fed mice. Journal of Cellular Physiology, 2021, 236, 4614-4624. | 4.1 | 16 |
| 9 | Role of PDK1 in skeletal muscle hypertrophy induced by mechanical load. Scientific Reports, 2021, 11, 3447. | 3.3 | 8 |
| 10 | Bone marrow runs the (bone) show. Journal of Experimental Medicine, 2021, 218, . | 8.5 | 1 |
| 11 | Transcriptional control of osteoblast differentiation and function. , 2020, , 163-176. | | 6 |
| 12 | Regulation of energy metabolism by bone-derived hormones. , 2020, , 1931-1942. | | 2 |
| 13 | Osteocalcin Regulates Arterial Calcification Via Altered Wnt Signaling and Glucose Metabolism. Journal of Bone and Mineral Research, 2020, 35, 357-367. | 2.8 | 59 |
| 14 | PHOSPHO1 is a skeletal regulator of insulin resistance and obesity. BMC Biology, 2020, 18, 149. | 3.8 | 13 |
| 15 | The Central Regulation of Bone Mass: Genetic Evidence and Molecular Bases. Handbook of Experimental Pharmacology, 2020, 262, 309-323. | 1.8 | 2 |
| 16 | Interleukin-33 Induces the Enzyme Tryptophan Hydroxylase 1 to Promote Inflammatory Group 2 Innate Lymphoid Cell-Mediated Immunity. Immunity, 2020, 52, 606-619.e6. | 14.3 | 76 |
| 17 | The facts of the matter: What is a hormone?. PLoS Genetics, 2020, 16, e1008938. | 3.5 | 9 |
| 18 | Measurement of bioactive osteocalcin in humans using a novel immunoassay reveals association with glucose metabolism and Î²-cell function. American Journal of Physiology - Endocrinology and Metabolism, 2020, 318, E381-E391. | 3.5 | 25 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Muscle-derived interleukin 6 increases exercise capacity by signaling in osteoblasts. Journal of Clinical Investigation, 2020, 130, 2888-2902. | 8.2 | 75 |
| 20 | ARDD 2020: from aging mechanisms to interventions. Aging, 2020, 12, 24484-24503. | 3.1 | 32 |
| 21 | Mediation of the Acute Stress Response by the Skeleton. Cell Metabolism, 2019, 30, 890-902.e8. | 16.2 | 110 |
| 22 | Serotonin synthesis protects the mouse colonic crypt from DNA damage and colorectal tumorigenesis. Journal of Pathology, 2019, 249, 102-113. | 4.5 | 26 |
| 23 | Bone as an Endocrine Organ. , 2019, , 47-51. | | 0 |
| 24 | Developmental origin, functional maintenance and genetic rescue of osteoclasts. Nature, 2019, 568, 541-545. | 27.8 | 313 |
| 25 | Oligodendrocyte-specific ATF4 inactivation does not influence the development of EAE. Journal of Neuroinflammation, 2019, 16, 23. | 7.2 | 21 |
| 26 | Neuron-specific PERK inactivation exacerbates neurodegeneration during experimental autoimmune encephalomyelitis. JCI Insight, 2019, 4, . | 5.0 | 16 |
| 27 | MON-LB086 Single-Cell Transcriptional Profiling of Bone Cells Reveals Diversity of Osteoblasts. Journal of the Endocrine Society, 2019, 3, . | 0.2 | 0 |
| 28 | Osteocalcin in the brain: from embryonic development to age-related decline in cognition. Nature Reviews Endocrinology, 2018, 14, 174-182. | 9.6 | 139 |
| 29 | Molecular bases of the crosstalk between bone and muscle. Bone, 2018, 115, 43-49. | 2.9 | 77 |
| 30 | Serotonin signals through a gut-liver axis to regulate hepatic steatosis. Nature Communications, 2018, 9, 4824. | 12.8 | 98 |
| 31 | Merkel Cells Activate Sensory Neural Pathways through Adrenergic Synapses. Neuron, 2018, 100, 1401-1413.e6. | 8.1 | 84 |
| 32 | Generation of a highly efficient and tissue-specific tryptophan hydroxylase 1 knockout mouse model. Scientific Reports, 2018, 8, 17642. | 3.3 | 9 |
| 33 | The Cross Talk Between the Central Nervous System, Bone, and Energy Metabolism. , 2018, , 317-328. | | 1 |
| 34 | Gut microbiota regulates maturation of the adult enteric nervous system via enteric serotonin networks. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 6458-6463. | 7.1 | 325 |
| 35 | Downregulation of PTP1B and TC-PTP phosphatases potentiate dendritic cell-based immunotherapy through IL-12/IFNÎ³ signaling. OncoImmunology, 2017, 6, e1321185. | 4.6 | 24 |
| 36 | Modulation of cognition and anxiety-like behavior by bone remodeling. Molecular Metabolism, 2017, 6, 1610-1615. | 6.5 | 33 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Osteocalcin and osteopontin influence bone morphology and mechanical properties. Annals of the New York Academy of Sciences, 2017, 1409, 79-84. | 3.8 | 113 |
| 38 | Gpr158 mediates osteocalcinâ€™s regulation of cognition. Journal of Experimental Medicine, 2017, 214, 2859-2873. | 8.5 | 194 |
| 39 | Update on the Biology of Osteocalcin. Endocrine Practice, 2017, 23, 1270-1274. | 2.1 | 89 |
| 40 | Ubiquitin ligase RNF146 coordinates bone dynamics and energy metabolism. Journal of Clinical Investigation, 2017, 127, 2612-2625. | 8.2 | 37 |
| 41 | Myeloid-Cell-Derived VEGF Maintains Brain Glucose Uptake and Limits Cognitive Impairment in Obesity. Cell, 2016, 165, 882-895. | 28.9 | 167 |
| 42 | The Disappearance of a Renaissance Man: Paolo Bianco. Journal of Bone and Mineral Research, 2016, 31, 259-260. | 2.8 | 0 |
| 43 | Osteocalcin is necessary and sufficient to maintain muscle mass in older mice. Molecular Metabolism, 2016, 5, 1042-1047. | 6.5 | 167 |
| 44 | Regulation of Glucose Handling by the Skeleton: Insights From Mouse and Human Studies. Diabetes, 2016, 65, 3225-3232. | 0.6 | 56 |
| 45 | Smurf1 Inhibits Osteoblast Differentiation, Bone Formation, and Glucose Homeostasis through Serine 148. Cell Reports, 2016, 15, 27-35. | 6.4 | 58 |
| 46 | Osteocalcin Signaling in Myofibers Is Necessary and Sufficient for Optimum Adaptation to Exercise. Cell Metabolism, 2016, 23, 1078-1092. | 16.2 | 302 |
| 47 | Bone and Muscle Endocrine Functions: Unexpected Paradigms of Inter-organ Communication. Cell, 2016, 164, 1248-1256. | 28.9 | 198 |
| 48 | Glucose Uptake and Runx2 Synergize to Orchestrate Osteoblast Differentiation and Bone Formation. Cell, 2015, 162, 1169. | 28.9 | 5 |
| 49 | Obstructive Sleep Apnea and Metabolic Bone Disease: Insights Into the Relationship Between Bone and Sleep. Journal of Bone and Mineral Research, 2015, 30, 199-211. | 2.8 | 73 |
| 50 | Histone demethylase JMJD3 is required for osteoblast differentiation in mice. Scientific Reports, 2015, 5, 13418. | 3.3 | 31 |
| 51 | DLK1 Regulates Whole-Body Glucose Metabolism: A Negative Feedback Regulation of the Osteocalcin-Insulin Loop. Diabetes, 2015, 64, 3069-3080. | 0.6 | 41 |
| 52 | Functional Role of Serotonin in Insulin Secretion in a Diet-Induced Insulin-Resistant State. Endocrinology, 2015, 156, 444-452. | 2.8 | 106 |
| 53 | The class II histone deacetylase HDAC4 regulates cognitive, metabolic and endocrine functions through its expression in osteoblasts. Molecular Metabolism, 2015, 4, 64-69. | 6.5 | 19 |
| 54 | An overview of the metabolic functions of osteocalcin. Reviews in Endocrine and Metabolic Disorders, 2015, 16, 93-98. | 5.7 | 142 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | JMJD3 promotes chondrocyte proliferation and hypertrophy during endochondral bone formation in mice. Journal of Molecular Cell Biology, 2015, 7, 23-34. | 3.3 | 66 |
| 56 | Gremlin 1 Identifies a Skeletal Stem Cell with Bone, Cartilage, and Reticular Stromal Potential. Cell, 2015, 160, 269-284. | 28.9 | 535 |
| 57 | Glucose Uptake and Runx2 Synergize to Orchestrate Osteoblast Differentiation and Bone Formation. Cell, 2015, 161, 1576-1591. | 28.9 | 351 |
| 58 | Searching for additional endocrine functions of the skeleton: genetic approaches and implications for therapeutics. Expert Review of Endocrinology and Metabolism, 2015, 10, 413-424. | 2.4 | 3 |
| 59 | Regulation of systemic energy homeostasis by serotonin in adipose tissues. Nature Communications, 2015, 6, 6794. | 12.8 | 187 |
| 60 | GGCX and VKORC1 inhibit osteocalcin endocrine functions. Journal of Cell Biology, 2015, 208, 761-776. | 5.2 | 58 |
| 61 | An Overview of the Metabolic Functions of Osteocalcin. Current Osteoporosis Reports, 2015, 13, 180-185. | 3.6 | 55 |
| 62 | Re-tuning bone formation. Journal of Experimental Medicine, 2015, 212, 3-3. | 8.5 | 1 |
| 63 | Bone-specific insulin resistance disrupts whole-body glucose homeostasis via decreased osteocalcin activation. Journal of Clinical Investigation, 2014, 124, 1781-1793. | 8.2 | 213 |
| 64 | Broadening the Role of Osteocalcin in Leydig Cells. Endocrinology, 2014, 155, 4115-4116. | 2.8 | 4 |
| 65 | FGF-21 and Skeletal Remodeling During and After Lactation in C57BL/6J Mice. Endocrinology, 2014, 155, 3516-3526. | 2.8 | 56 |
| 66 | Bone as an Endocrine Organ. , 2014, , 193-205. | | 3 |
| 67 | Foxo1 regulates Dbh expression and the activity of the sympathetic nervous system inÂvivo. Molecular Metabolism, 2014, 3, 770-777. | 6.5 | 13 |
| 68 | Osteocalcin Promotes Î²-Cell Proliferation During Development and Adulthood Through Gprc6a. Diabetes, 2014, 63, 1021-1031. | 0.6 | 199 |
| 69 | Lrp5 regulation of bone mass and serotonin synthesis in the gut. Nature Medicine, 2014, 20, 1228-1229. | 30.7 | 31 |
| 70 | HDAC4 integrates PTH and sympathetic signaling in osteoblasts. Journal of Cell Biology, 2014, 205, 771-780. | 5.2 | 50 |
| 71 | Tsc2 Is a Molecular Checkpoint Controlling Osteoblast Development and Glucose Homeostasis. Molecular and Cellular Biology, 2014, 34, 1850-1862. | 2.3 | 52 |
| 72 | Adiponectin Regulates Bone Mass via Opposite Central and Peripheral Mechanisms through FoxO1. Cell Metabolism, 2014, 19, 891. | 16.2 | 1 |

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|---|---|---|---|
| 73 | Regulation of male fertility by the bone-derived hormone osteocalcin. Molecular and Cellular Endocrinology, 2014, 382, 521-526. | 3.2 | 87 |
| 74 | Deficiency of the bone mineralization inhibitor NPP1 protects against obesity and diabetes. DMM Disease Models and Mechanisms, 2014, 7, 1341-50. | 2.4 | 21 |
| 75 | Osteocalcin regulates murine and human fertility through a pancreas-bone-testis axis. Journal of Clinical Investigation, 2014, 124, 5522-5522. | 8.2 | 0 |
| 76 | Inhibition of Leptin Regulation of Parasympathetic Signaling as a Cause of Extreme Body Weight-Associated Asthma. Cell Metabolism, 2013, 17, 463-464. | 16.2 | 1 |
| 77 | Energy Homeostasis and Neuronal Regulation of Bone Remodeling. , 2013, , 69-80. | | 1 |
| 78 | Maternal and Offspring Pools of Osteocalcin Influence Brain Development and Functions. Cell, 2013, 155, 228-241. | 28.9 | 348 |
| 79 | The transcription factor early Bâ€cell factor 1 regulates bone formation in an osteoblastâ€nonautonomous manner. FEBS Letters, 2013, 587, 711-716. | 2.8 | 10 |
| 80 | In vivo analysis of the contribution of bone resorption to the control of glucose metabolism in mice. Molecular Metabolism, 2013, 2, 498-504. | 6.5 | 73 |
| 81 | Vitamin D Receptor in Osteoblasts Is a Negative Regulator of Bone Mass Control. Endocrinology, 2013, 154, 1008-1020. | 2.8 | 139 |
| 82 | Inhibition of Leptin Regulation of Parasympathetic Signaling as a Cause of Extreme Body Weight-Associated Asthma. Cell Metabolism, 2013, 17, 35-48. | 16.2 | 83 |
| 83 | Adiponectin Regulates Bone Mass via Opposite Central and Peripheral Mechanisms through FoxO1. Cell Metabolism, 2013, 17, 901-915. | 16.2 | 198 |
| 84 | Developmental androgen excess disrupts reproduction and energy homeostasis in adult male mice. Journal of Endocrinology, 2013, 219, 259-268. | 2.6 | 25 |
| 85 | Developmental androgen excess programs sympathetic tone and adipose tissue dysfunction and predisposes to a cardiometabolic syndrome in female mice. American Journal of Physiology - Endocrinology and Metabolism, 2013, 304, E1321-E1330. | 3.5 | 60 |
| 86 | Time- and age-dependent effects of serotonin on gasping and autoresuscitation in neonatal mice. Journal of Applied Physiology, 2013, 114, 1668-1676. | 2.5 | 26 |
| 87 | MAML1 Enhances the Transcriptional Activity of Runx2 and Plays a Role in Bone Development. PLoS Genetics, 2013, 9, e1003132. | 3.5 | 24 |
| 88 | Regulation of lysosome biogenesis and functions in osteoclasts. Cell Cycle, 2013, 12, 2744-2752. | 2.6 | 72 |
| 89 | A RANKLâ€“PKCÎ²â€“TFEB signaling cascade is necessary for lysosomal biogenesis in osteoclasts. Genes and Development, 2013, 27, 955-969. | 5.9 | 149 |
| 90 | Osteocalcin regulates murine and human fertility through a pancreas-bone-testis axis. Journal of Clinical Investigation, 2013, 123, 2421-2433. | 8.2 | 233 |

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|---|---|---|---|
| 91 | An analysis of skeletal development in osteoblast-specific and chondrocyte-specific runt-related transcription factor-2 (Runx2) knockout mice. Journal of Bone and Mineral Research, 2013, 28, 2064-2069. | 2.8 | 145 |
| 92 | miR-34s inhibit osteoblast proliferation and differentiation in the mouse by targeting SATB2. Journal of Cell Biology, 2012, 197, 509-521. | 5.2 | 215 |
| 93 | T-Cell Protein Tyrosine Phosphatase Regulates Bone Resorption and Whole-Body Insulin Sensitivity through Its Expression in Osteoblasts. Molecular and Cellular Biology, 2012, 32, 1080-1088. | 2.3 | 31 |
| 94 | The mutual dependence between bone and gonads. Journal of Endocrinology, 2012, 213, 107-114. | 2.6 | 66 |
| 95 | Anabolic action of parathyroid hormone regulated by the Î² <sub>2</sub> -adrenergic receptor. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 7433-7438. | 7.1 | 61 |
| 96 | Tribute to L. J. Henderson, a remarkable physiologist, and the founder of the American School of Sociology (1878-1942). American Journal of Physiology - Cell Physiology, 2012, 303, C1001-C1003. | 4.6 | 3 |
| 97 | Gut-Derived Serotonin Is a Multifunctional Determinant to Fasting Adaptation. Cell Metabolism, 2012, 16, 588-600. | 16.2 | 173 |
| 98 | A lysosome-to-nucleus signalling mechanism senses and regulates the lysosome via mTOR and TFEB. EMBO Journal, 2012, 31, 1095-1108. | 7.8 | 1,507 |
| 99 | Sulfatases are determinants of alveolar formation. Matrix Biology, 2012, 31, 253-260. | 3.6 | 11 |
| 100 | Intermittent injections of osteocalcin improve glucose metabolism and prevent type 2 diabetes in mice. Bone, 2012, 50, 568-575. | 2.9 | 359 |
| 101 | Foreword: Interactions between bone and adipose tissue and metabolism. Bone, 2012, 50, 429. | 2.9 | 10 |
| 102 | Cross-talk between Insulin and Wnt Signaling in Preadipocytes. Journal of Biological Chemistry, 2012, 287, 12016-12026. | 3.4 | 90 |
| 103 | The contribution of bone to whole-organism physiology. Nature, 2012, 481, 314-320. | 27.8 | 430 |
| 104 | Biology Without Walls: The Novel Endocrinology of Bone. Annual Review of Physiology, 2012, 74, 87-105. | 13.1 | 115 |
| 105 | miR-34s inhibit osteoblast proliferation and differentiation in the mouse by targeting SATB2. Journal of Experimental Medicine, 2012, 209, i10-i10. | 8.5 | 0 |
| 106 | The Importance of the Gastrointestinal Tract in the Control of Bone Mass Accrual. Gastroenterology, 2011, 141, 439-442. | 1.3 | 22 |
| 107 | Regulation of Bone Mass by Serotonin: Molecular Biology and Therapeutic Implications. Annual Review of Medicine, 2011, 62, 323-331. | 12.2 | 70 |
| 108 | Endocrine Regulation of Male Fertility by the Skeleton. Cell, 2011, 144, 796-809. | 28.9 | 542 |

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|---|---|---|---|
| 109 | Bone endocrine regulation of energy metabolism and male reproduction. Comptes Rendus - Biologies, 2011, 334, 720-724. | 0.2 | 28 |
| 110 | Towards a serotonin-dependent leptin roadmap in the brain. Trends in Endocrinology and Metabolism, 2011, 22, 382-387. | 7.1 | 45 |
| 111 | The osteoblast: An insulin target cell controlling glucose homeostasis. Journal of Bone and Mineral Research, 2011, 26, 677-680. | 2.8 | 237 |
| 112 | Efficacy of serotonin inhibition in mouse models of bone loss. Journal of Bone and Mineral Research, 2011, 26, 2002-2011. | 2.8 | 61 |
| 113 | Sympathetic control of bone mass regulated by osteopontin. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 17767-17772. | 7.1 | 70 |
| 114 | Leptin-dependent serotonin control of appetite: temporal specificity, transcriptional regulation, and therapeutic implications. Journal of Experimental Medicine, 2011, 208, 41-52. | 8.5 | 78 |
| 115 | Genetic determination of the cellular basis of the sympathetic regulation of bone mass accrual. Journal of Experimental Medicine, 2011, 208, 841-851. | 8.5 | 148 |
| 116 | Patients with high-bone-mass phenotype owing to Lrp5-T253I mutation have low plasma levels of serotonin. Journal of Bone and Mineral Research, 2010, 25, 673-675. | 2.8 | 51 |
| 117 | Pharmacological inhibition of gut-derived serotonin synthesis is a potential bone anabolic treatment for osteoporosis. Nature Medicine, 2010, 16, 308-312. | 30.7 | 273 |
| 118 | CREB mediates brain serotonin regulation of bone mass through its expression in ventromedial hypothalamic neurons. Genes and Development, 2010, 24, 2330-2342. | 5.9 | 105 |
| 119 | The Central Regulation of Bone Mass, The First Link between Bone Remodeling and Energy Metabolism. Journal of Clinical Endocrinology and Metabolism, 2010, 95, 4795-4801. | 3.6 | 140 |
| 120 | An ELISA-based method to quantify osteocalcin carboxylation in mice. Biochemical and Biophysical Research Communications, 2010, 397, 691-696. | 2.1 | 100 |
| 121 | Insulin Signaling in Osteoblasts Integrates Bone Remodeling and Energy Metabolism. Cell, 2010, 142, 296-308. | 28.9 | 957 |
| 122 | Signaling through the M3 Muscarinic Receptor Favors Bone Mass Accrual by Decreasing Sympathetic Activity. Cell Metabolism, 2010, 11, 231-238. | 16.2 | 95 |
| 123 | FoxO1 expression in osteoblasts regulates glucose homeostasis through regulation of osteocalcin in mice. Journal of Clinical Investigation, 2010, 120, 357-368. | 8.2 | 196 |
| 124 | The transcription factor ATF4 regulates glucose metabolism in mice through its expression in osteoblasts. Journal of Clinical Investigation, 2009, 119, 2807-2817. | 8.2 | 193 |
| 125 | A Serotonin-Dependent Mechanism Explains the Leptin Regulation of Bone Mass, Appetite, and Energy Expenditure. Cell, 2009, 138, 976-989. | 28.9 | 565 |
| 126 | Genetic Control of Bone Formation. Annual Review of Cell and Developmental Biology, 2009, 25, 629-648. | 9.4 | 569 |

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| 127 | Leptin-dependent co-regulation of bone and energy metabolism. Aging, 2009, 1, 954-956. | 3.1 | 23 |
| 128 | Transcriptional Control of Skeletogenesis. Annual Review of Genomics and Human Genetics, 2008, 9, 183-196. | 6.2 | 337 |
| 129 | Lrp5 Controls Bone Formation by Inhibiting Serotonin Synthesis in the Duodenum. Cell, 2008, 135, 825-837. | 28.9 | 751 |
| 130 | Dissociation of the neuronal regulation of bone mass and energy metabolism by leptin in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 20529-20533. | 7.1 | 131 |
| 131 | Proteoglycan desulfation determines the efficiency of chondrocyte autophagy and the extent of FGF signaling during endochondral ossification. Genes and Development, 2008, 22, 2645-2650. | 5.9 | 86 |
| 132 | Osteocalcin differentially regulates Î² cell and adipocyte gene expression and affects the development of metabolic diseases in wild-type mice. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 5266-5270. | 7.1 | 819 |
| 133 | The sympathetic tone mediates leptin's inhibition of insulin secretion by modulating osteocalcin bioactivity. Journal of Cell Biology, 2008, 183, 1235-1242. | 5.2 | 234 |
| 134 | Cocaine and Amphetamine-Regulated Transcript May Regulate Bone Remodeling as a Circulating Molecule. Endocrinology, 2008, 149, 3933-3941. | 2.8 | 45 |
| 135 | Genetic Control of Skeletal Development. Novartis Foundation Symposium, 2008, , 6-22. | 1.1 | 11 |
| 136 | FGFR3 Associates with and Tyrosine-Phosphorylates p90RSK2, Leading to RSK2 Activation That Mediates Hematopoietic Transformation. Blood, 2008, 112, 3722-3722. | 1.4 | 1 |
| 137 | Endocrine Regulation of Energy Metabolism by the Skeleton. Cell, 2007, 130, 456-469. | 28.9 | 2,151 |
| 138 | SATB2 Is a Multifunctional Determinant of Craniofacial Patterning and Osteoblast Differentiation. Cell, 2006, 125, 971-986. | 28.9 | 458 |
| 139 | Convergence between bone and energy homeostases: Leptin regulation of bone mass. Cell Metabolism, 2006, 4, 341-348. | 16.2 | 366 |
| 140 | ATF4 mediation of NF1 functions in osteoblast revealsÂa nutritional basis for congenital skeletal dysplasiae. Cell Metabolism, 2006, 4, 441-451. | 16.2 | 204 |
| 141 | Calcineurin/NFAT Signaling in Osteoblasts Regulates Bone Mass. Developmental Cell, 2006, 10, 771-782. | 7.0 | 313 |
| 142 | Cart Overexpression Is the Only Identifiable Cause of High Bone Mass in Melanocortin 4 Receptor Deficiency. Endocrinology, 2006, 147, 3196-3202. | 2.8 | 88 |
| 143 | Runx2 inhibits chondrocyte proliferation and hypertrophy through its expression in the perichondrium. Genes and Development, 2006, 20, 2937-2942. | 5.9 | 145 |
| 144 | Leptin regulation of bone resorption by the sympathetic nervous system and CART. Nature, 2005, 434, 514-520. | 27.8 | 1,105 |

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|---|---|---|---|
| 145 | An Aggrecanase and Osteoarthritis. New England Journal of Medicine, 2005, 353, 522-523. | 27.0 | 28 |
| 146 | Unloading Induces Osteoblastic Cell Suppression and Osteoclastic Cell Activation to Lead to Bone Loss via Sympathetic Nervous System. Journal of Biological Chemistry, 2005, 280, 30192-30200. | 3.4 | 173 |
| 147 | Unique coexpression in osteoblasts of broadly expressed genes accounts for the spatial restriction of ECM mineralization to bone. Genes and Development, 2005, 19, 1093-1104. | 5.9 | 535 |
| 148 | The Molecular Clock Mediates Leptin-Regulated Bone Formation. Cell, 2005, 122, 803-815. | 28.9 | 522 |
| 149 | Canonical Wnt Signaling in Differentiated Osteoblasts Controls Osteoclast Differentiation. Developmental Cell, 2005, 8, 751-764. | 7.0 | 1,402 |
| 150 | Extracellular matrix mineralization is regulated locally; different roles of two gla-containing proteins. Journal of Cell Biology, 2004, 165, 625-630. | 5.2 | 448 |
| 151 | Histone Deacetylase 4 Controls Chondrocyte Hypertrophy during Skeletogenesis. Cell, 2004, 119, 555-566. | 28.9 | 710 |
| 152 | Groucho homologue Grg5 interacts with the transcription factor Runx2â€“Cbfa1 and modulates its activity during postnatal growth in mice. Developmental Biology, 2004, 270, 364-381. | 2.0 | 64 |
| 153 | A Twist Code Determines the Onset of Osteoblast Differentiation. Developmental Cell, 2004, 6, 423-435. | 7.0 | 619 |
| 154 | ATF4 Is a Substrate of RSK2 and an Essential Regulator of Osteoblast Biology. Cell, 2004, 117, 387-398. | 28.9 | 749 |
| 155 | The complexities of skeletal biology. Nature, 2003, 423, 316-318. | 27.8 | 383 |
| 156 | Monosodium Glutamate-Sensitive Hypothalamic Neurons Contribute to the Control of Bone Mass. Endocrinology, 2003, 144, 3842-3847. | 2.8 | 60 |
| 157 | Reduced chondrocyte proliferation and chondrodysplasia in mice lacking the integrin-linked kinase in chondrocytes. Journal of Cell Biology, 2003, 162, 139-148. | 5.2 | 212 |
| 158 | Stat1 functions as a cytoplasmic attenuator of Runx2 in the transcriptional program of osteoblast differentiation. Genes and Development, 2003, 17, 1979-1991. | 5.9 | 235 |
| 159 | C<scp>OMMON</scp> E<scp>NDOCRINE</scp> C<scp>ONTROL OF</scp> B<scp>ODY</scp> W<scp>EIGHT</scp>, R<scp>EPRODUCTION</scp>, <scp>AND</scp> B<scp>ONE</scp> M<scp>ASS</scp>. Annual Review of Nutrition, 2003, 23, 403-411. | 10.1 | 60 |
| 160 | Cbfa1-independent decrease in osteoblast proliferation, osteopenia, and persistent embryonic eye vascularization in mice deficient in Lrp5, a Wnt coreceptor. Journal of Cell Biology, 2002, 157, 303-314. | 5.2 | 1,032 |
| 161 | Leptin Regulates Bone Formation via the Sympathetic Nervous System. Cell, 2002, 111, 305-317. | 28.9 | 1,530 |
| 162 | Reaching a Genetic and Molecular Understanding of Skeletal Development. Developmental Cell, 2002, 2, 389-406. | 7.0 | 1,309 |

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| 163 | Mouse ?1(I)-collagen promoter is the best known promoter to drive efficient Cre recombinase expression in osteoblast. Developmental Dynamics, 2002, 224, 245-251. | 1.8 | 282 |
| 164 | PTHrP and Indian hedgehog control differentiation of growth plate chondrocytes at multiple steps. Development (Cambridge), 2002, 129, 2977-2986. | 2.5 | 272 |
| 165 | Central control of bone formation. Journal of Bone and Mineral Metabolism, 2001, 19, 195-198. | 2.7 | 82 |
| 166 | Cbfa1 Contributes to the Osteoblast-specific Expression of type I collagen Genes. Journal of Biological Chemistry, 2001, 276, 7101-7107. | 3.4 | 297 |
| 167 | Continuous expression of Cbfa1 in nonhypertrophic chondrocytes uncovers its ability to induce hypertrophic chondrocyte differentiation and partially rescues Cbfa1-deficient mice. Genes and Development, 2001, 15, 467-481. | 5.9 | 485 |
| 168 | A neuro (endo)crine regulation of bone remodeling. BioEssays, 2000, 22, 970-975. | 2.5 | 60 |
| 169 | Genetic ablation of parathyroid glands reveals another source of parathyroid hormone. Nature, 2000, 406, 199-203. | 27.8 | 366 |
| 170 | Vascular calcificationâ€"a passive process in need of inhibitors. Nephrology Dialysis Transplantation, 2000, 15, 1272-1274. | 0.7 | 92 |
| 171 | Leptin Inhibits Bone Formation through a Hypothalamic Relay. Cell, 2000, 100, 197-207. | 28.9 | 1,935 |
| 172 | The Osteoblast: A Sophisticated Fibroblast under Central Surveillance. Science, 2000, 289, 1501-1504. | 12.6 | 972 |
| 173 | Extracellular matrix calcification: where is the action?. Nature Genetics, 1999, 21, 150-151. | 21.4 | 131 |
| 174 | Genetics of skeletogenesis. Genesis, 1998, 22, 301-313. | 2.1 | 86 |
| 175 | Skeletal abnormalities in doubly heterozygousBmp4 andBmp7 mice. Genesis, 1998, 22, 340-348. | 2.1 | 113 |
| 176 | Genetics of skeletogenesis. Genesis, 1998, 22, 301-313. | 2.1 | 2 |
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