Teresita M Bellido

List of Publications by Year
in descending order

98 papers	13,528 citations	34016 52 h-index	43802 91 g-index
100 all docs	100 docs citations	100 times ranked	10535 citing authors

#	Article	IF	Citations
1	Mechanical Stimulation of Bone in Vivo Reduces Osteocyte Expression of Sost/Sclerostin. Journal of Biological Chemistry, 2008, 283, 5866-5875.	1.6	1,136
2	Increased bone formation by prevention of osteoblast apoptosis with parathyroid hormone. Journal of Clinical Investigation, 1999, 104, 439-446.	3.9	920
3	Prevention of osteocyte and osteoblast apoptosis by bisphosphonates and calcitonin. Journal of Clinical Investigation, 1999, 104, 1363-1374.	3.9	763
4	Glucocorticoids Act Directly on Osteoblasts and Osteocytes to Induce Their Apoptosis and Reduce Bone Formation and Strength. Endocrinology, 2004, 145, 1835-1841.	1.4	685
5	Skeletal Involution by Age-associated Oxidative Stress and Its Acceleration by Loss of Sex Steroids. Journal of Biological Chemistry, 2007, 282, 27285-27297.	1.6	582
6	Osteoblast Programmed Cell Death (Apoptosis): Modulation by Growth Factors and Cytokines. Journal of Bone and Mineral Research, 1998, 13, 793-802.	3.1	499
7	Osteocyte Apoptosis Is Induced by Weightlessness in Mice and Precedes Osteoclast Recruitment and Bone Loss. Journal of Bone and Mineral Research, 2006, 21, 605-615.	3.1	414
8	Sost downregulation and local Wnt signaling are required for the osteogenic response to mechanical loading. Bone, 2012, 50, 209-217.	1.4	396
9	Wnt Proteins Prevent Apoptosis of Both Uncommitted Osteoblast Progenitors and Differentiated Osteoblasts by Î²-Catenin-dependent and -independent Signaling Cascades Involving Src/ERK and Phosphatidylinositol 3-Kinase/AKT. Journal of Biological Chemistry, 2005, 280, 41342-41351.	1.6	355
10	Proteasomal Degradation of Runx2 Shortens Parathyroid Hormone-induced Anti-apoptotic Signaling in Osteoblasts. Journal of Biological Chemistry, 2003, 278, 50259-50272.	1.6	337
11	Control of Bone Mass and Remodeling by PTH Receptor Signaling in Osteocytes. PLoS ONE, 2008, 3, e2942.	1.1	331
12	Role and mechanism of action of sclerostin in bone. Bone, 2017, 96, 29-37.	1.4	314
13	Transduction of Cell Survival Signals by Connexin-43 Hemichannels. Journal of Biological Chemistry, 2002, 277, 8648-8657.	1.6	310
14	Osteocyte-Driven Bone Remodeling. Calcified Tissue International, 2014, 94, 25-34.	1.5	296
15	Promotion of osteoclast survival and antagonism of bisphosphonate-induced osteoclast apoptosis by glucocorticoids. Journal of Clinical Investigation, 2002, 109, 1041-1048.	3.9	269
16	Osteocytes mediate the anabolic actions of canonical Wnt/Î²-catenin signaling in bone. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E478-86.	3.3	223
17	Parathyroid hormone receptor signaling in osteocytes increases the expression of fibroblast growth factor-23 in vitro and in vivo. Bone, 2011, 49, 636-643.	1.4	219
18	Kinase-mediated regulation of common transcription factors accounts for the bone-protective effects of sex steroids. Journal of Clinical Investigation, 2003, 111, 1651-1664.	3.9	216

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19	Bisphosphonates and Estrogens Inhibit Osteocyte Apoptosis via Distinct Molecular Mechanisms Downstream of Extracellular Signal-regulated Kinase Activation. Journal of Biological Chemistry, 2005, 280, 7317-7325.	1.6	215
20	Novel actions of bisphosphonates in bone: Preservation of osteoblast and osteocyte viability. Bone, 2011, 49, 50-55.	1.4	212
21	Activation of the Janus Kinase/STAT (Signal Transducer and Activator of Transcription) Signal Transduction Pathway by Interleukin-6-Type Cytokines Promotes Osteoblast Differentiation*. Endocrinology, 1997, 138, 3666-3676.	1.4	206
22	Cell autonomous requirement of connexin 43 for osteocyte survival: Consequences for endocortical resorption and periosteal bone formation. Journal of Bone and Mineral Research, 2012, 27, 374-389.	3.1	204
23	PTH receptor signaling in osteocytes governs periosteal bone formation and intracortical remodeling. Journal of Bone and Mineral Research, 2011, 26, 1035-1046.	3.1	184
24	Connexin 43 Is Required for the Anti-Apoptotic Effect of Bisphosphonates on Osteocytes and Osteoblasts In Vivo. Journal of Bone and Mineral Research, 2008, 23, 1712-1721.	3.1	183
25	Bidirectional Notch Signaling and Osteocyte-Derived Factors in the Bone Marrow Microenvironment Promote Tumor Cell Proliferation and Bone Destruction in Multiple Myeloma. Cancer Research, 2016, 76, 1089-1100.	0.4	174
26	Promotion of osteoclast survival and antagonism of bisphosphonate-induced osteoclast apoptosis by glucocorticoids. Journal of Clinical Investigation, 2002, 109, 1041-1048.	3.9	174
27	Notch-Dependent Repression of miR-155 in the Bone Marrow Niche Regulates Hematopoiesis in an NF-Î°B-Dependent Manner. Cell Stem Cell, 2014, 15, 51-65.	5.2	161
28	Effects of PTH on osteocyte function. Bone, 2013, 54, 250-257.	1.4	159
29	Osteocytic signalling pathways as therapeutic targets for bone fragility. Nature Reviews Endocrinology, 2016, 12, 593-605.	4.3	145
30	Dissociation of the pro-apoptotic effects of bisphosphonates on osteoclasts from their anti-apoptotic effects on osteoblasts/osteocytes with novel analogs. Bone, 2006, 39, 443-452.	1.4	143
31	Transient Versus Sustained Phosphorylation and Nuclear Accumulation of ERKs Underlie Anti-Versus Pro-apoptotic Effects of Estrogens. Journal of Biological Chemistry, 2005, 280, 4632-4638.	1.6	139
32	Prevention of Glucocorticoid-Induced Apoptosis in Osteocytes and Osteoblasts by Calbindin-D28k. Journal of Bone and Mineral Research, 2003, 19, 479-490.	3.1	128
33	A Novel Ligand-independent Function of the Estrogen Receptor Is Essential for Osteocyte and Osteoblast Mechanotransduction. Journal of Biological Chemistry, 2007, 282, 25501-25508.	1.6	122
34	Prevention of glucocorticoid induced-apoptosis of osteoblasts and osteocytes by protecting against endoplasmic reticulum (ER) stress in vitro and in vivo in female mice. Bone, 2015, 73, 60-68.	1.4	121
35	Skeletal cell YAP and TAZ combinatorially promote bone development. FASEB Journal, 2018, 32, 2706-2721.	0.2	121
36	Beyond gap junctions: Connexin43 and bone cell signaling. Bone, 2013, 52, 157-166.	1.4	120

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37	Kinase-mediated regulation of common transcription factors accounts for the bone-protective effects of sex steroids. Journal of Clinical Investigation, 2003, 111, 1651-1664.	3.9	119
38	Glucocorticoids Induce Osteocyte Apoptosis by Blocking Focal Adhesion Kinase-mediated Survival. Journal of Biological Chemistry, 2007, 282, 24120-24130.	1.6	115
39	Disruption of the Cx43/miR21 pathway leads to osteocyte apoptosis and increased osteoclastogenesis with aging. Aging Cell, 2017, 16, 551-563.	3.0	110
40	Protection From Glucocorticoid-Induced Osteoporosis by Anti-Catabolic Signaling in the Absence of Sost/Sclerostin. Journal of Bone and Mineral Research, 2016, 31, 1791-1802.	3.1	95
41	Parathyroid Hormone Receptor Signaling Induces Bone Resorption in the Adult Skeleton by Directly Regulating the RANKL Gene in Osteocytes. Endocrinology, 2014, 155, 2797-2809.	1.4	92
42	Control of Bone Anabolism in Response to Mechanical Loading and PTH by Distinct Mechanisms Downstream of the PTH Receptor. Journal of Bone and Mineral Research, 2017, 32, 522-535.	3.1	89
43	Klotho expression in osteocytes regulates bone metabolism and controls bone formation. Kidney International, 2017, 92, 599-611.	2.6	86
44	The osteocyte as a signaling cell. Physiological Reviews, 2022, 102, 379-410.	13.1	83
45	Inhibition of Osteocyte Apoptosis Prevents the Increase in Osteocytic Receptor Activator of Nuclear Factor ÎºB Ligand (RANKL) but Does Not Stop Bone Resorption or the Loss of Bone Induced by Unloading. Journal of Biological Chemistry, 2015, 290, 18934-18942.	1.6	74
46	Extracellular Signal-Regulated Kinases and Calcium Channels Are Involved in the Proliferative Effect of Bisphosphonates on Osteoblastic Cells In Vitro. Journal of Bone and Mineral Research, 2001, 16, 2050-2056.	3.1	73
47	Single-Limb Irradiation Induces Local and Systemic Bone Loss in a Murine Model. Journal of Bone and Mineral Research, 2015, 30, 1268-1279.	3.1	70
48	Glucocorticoids Induce Bone and Muscle Atrophy by Tissue-Specific Mechanisms Upstream of E3 Ubiquitin Ligases. Endocrinology, 2017, 158, 664-677.	1.4	66
49	Crosstalk between Caveolin-1/Extracellular Signal-regulated Kinase (ERK) and Î²-Catenin Survival Pathways in Osteocyte Mechanotransduction. Journal of Biological Chemistry, 2013, 288, 8168-8175.	1.6	62
50	Connexin43 interacts with Î²arrestin: A pre-requisite for osteoblast survival induced by parathyroid hormone. Journal of Cellular Biochemistry, 2011, 112, 2920-2930.	1.2	61
51	Transferrin receptor 2 controls bone mass and pathological bone formation via BMP and Wnt signalling. Nature Metabolism, 2019, 1, 111-124.	5.1	59
52	Conditional Deletion of Murine <i>Fgf23</i>: Interruption of the Normal Skeletal Responses to Phosphate Challenge and Rescue of Genetic Hypophosphatemia. Journal of Bone and Mineral Research, 2016, 31, 1247-1257.	3.1	57
53	Role of osteocytes in multiple myeloma bone disease. Current Opinion in Supportive and Palliative Care, 2014, 8, 407-413.	0.5	55
54	YAP and TAZ Mediate Osteocyte Perilacunar/Canalicular Remodeling. Journal of Bone and Mineral Research, 2020, 35, 196-210.	3.1	53

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55	IL-17 Receptor Signaling in Osteoblasts/Osteocytes Mediates PTH-Induced Bone Loss and Enhances Osteocytic RANKL Production. Journal of Bone and Mineral Research, 2019, 34, 349-360.	3.1	47
56	Activation of the Janus Kinase/STAT (Signal Transducer and Activator of Transcription) Signal Transduction Pathway by Interleukin-6-Type Cytokines Promotes Osteoblast Differentiation. , 0, .		47
57	Cx43 Overexpression in Osteocytes Prevents Osteocyte Apoptosis and Preserves Cortical Bone Quality in Aging Mice. JBMR Plus, 2018, 2, 206-216.	1.3	46
58	Osteocytes and Skeletal Pathophysiology. Current Molecular Biology Reports, 2015, 1, 157-167.	0.8	44
59	Resorption Controls Bone Anabolism Driven by Parathyroid Hormone (PTH) Receptor Signaling in Osteocytes. Journal of Biological Chemistry, 2013, 288, 29809-29820.	1.6	41
60	PTHrP-Derived Peptides Restore Bone Mass and Strength in Diabetic Mice: Additive Effect of Mechanical Loading. Journal of Bone and Mineral Research, 2017, 32, 486-497.	3.1	40
61	Expression levels of gp130 in bone marrow stromal cells determine the magnitude of osteoclastogenic signals generated by IL-6-type cytokines. Journal of Cellular Biochemistry, 2000, 79, 532-541.	1.2	38
62	MMP14 is a novel target of PTH signaling in osteocytes that controls resorption by regulating soluble RANKL production. FASEB Journal, 2018, 32, 2878-2890.	0.2	34
63	Defective cancellous bone structure and abnormal response to PTH in cortical bone of mice lacking Cx43 cytoplasmic C-terminus domain. Bone, 2015, 81, 632-643.	1.4	33
64	Nrf2 regulates mass accrual and the antioxidant endogenous response in bone differently depending on the sex and age. PLoS ONE, 2017, 12, e0171161.	1.1	33
65	Avenanthramides Prevent Osteoblast and Osteocyte Apoptosis and Induce Osteoclast Apoptosis in Vitro in an Nrf2-Independent Manner. Nutrients, 2016, 8, 423.	1.7	31
66	Glucocorticoid Excess in Bone and Muscle. Clinical Reviews in Bone and Mineral Metabolism, 2018, 16, 33-47.	1.3	31
67	Antagonistic interplay between mechanical forces and glucocorticoids in bone: A tale of kinases. Journal of Cellular Biochemistry, 2010, 111, 1-6.	1.2	29
68	TG-interacting factor 1 (Tgif1)-deficiency attenuates bone remodeling and blunts the anabolic response to parathyroid hormone. Nature Communications, 2019, 10, 1354.	5.8	28
69	Aberrantly elevated Wnt signaling is responsible for cementum overgrowth and dental ankylosis. Bone, 2019, 122, 176-183.	1.4	26
70	Ex Vivo Organ Cultures as Models to Study Bone Biology. JBMR Plus, 2020, 4, .	1.3	26
71	Bone Cells. , 2014, , 27-45.		23
72	Stat3 in osteocytes mediates osteogenic response to loading. Bone Reports, 2019, 11, 100218.	0.2	23

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73	Aplidin (plitidepsin) is a novel anti-myeloma agent with potent anti-resorptive activity mediated by direct effects on osteoclasts. Oncotarget, 2019, 10, 2709-2721.	0.8	23
74	High Bone Massâ€"Causing Mutant LRP5 Receptors Are Resistant to Endogenous Inhibitors <i>In Vivo</i>. Journal of Bone and Mineral Research, 2015, 30, 1822-1830.	3.1	20
75	Differential involvement of Wnt signaling in Bmp regulation of cancellous versus periosteal bone growth. Bone Research, 2017, 5, 17016.	5.4	20
76	Lrp4 Mediates Bone Homeostasis and Mechanotransduction through Interaction with Sclerostin InÂVivo. IScience, 2019, 20, 205-215.	1.9	20
77	Glucocorticoid-Induced Bone Fragility Is Prevented in Female Mice by Blocking Pyk2/Anoikis Signaling. Endocrinology, 2019, 160, 1659-1673.	1.4	17
78	Osteocyte apoptosis induces bone resorption and impairs the skeletal response to weightlessness. BoneKEy Osteovision, 2007, 4, 252-256.	0.6	15
79	Targeting Notch Inhibitors to the Myeloma Bone Marrow Niche Decreases Tumor Growth and Bone Destruction without Gut Toxicity. Cancer Research, 2021, 81, 5102-5114.	0.4	13
80	Reversal of loss of bone mass in old mice treated with mefloquine. Bone, 2018, 114, 22-31.	1.4	12
81	Skeletal Protection and Promotion of Microbiome Diversity by Dietary Boosting of the Endogenous Antioxidant Response. Journal of Bone and Mineral Research, 2020, 36, 768-778.	3.1	11
82	Sex Steroids, Cytokines and the Bone Marrow: New Concepts on the Pathogenesis of Osteoporosis. Novartis Foundation Symposium, 1995, 191, 187-202.	1.2	11
83	Apoptosis of Bone Cells. , 2008, , 237-261.		10
84	Osteocytic miR21 deficiency improves bone strength independent of sex despite having sex divergent effects on osteocyte viability and bone turnover. FEBS Journal, 2020, 287, 941-963.	2.2	10
85	Decrease in protein tyrosine phosphorylation is associated with F-actin reorganization by retinoic acid in human endometrial adenocarcinoma (RL95-2) cells. , 1999, 178, 320-332.		8
86	Apoptosis in Bone Cells. , 2002, , 151-X.		8
87	New Insights Into the Local and Systemic Functions of Sclerostin: Regulation of Quiescent Bone Lining Cells and Beige Adipogenesis in Peripheral Fat Depots. Journal of Bone and Mineral Research, 2017, 32, 889-891.	3.1	6
88	The Notch pathway regulates the bone gain induced by PTH anabolic signaling. FASEB Journal, 2022, 36, e22196.	0.2	5
89	Notch3 signaling between myeloma cells and osteocytes in the tumor niche promotes tumor growth and bone destruction. Neoplasia, 2022, 28, 100785.	2.3	5
90	Detection of Apoptosis of Bone Cells In Vitro. Methods in Molecular Biology, 2008, 455, 51-75.	0.4	4

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91	Direct Cell-To-Cell Interactions Between Osteocytes and Multiple Myeloma (MM) Cells Upregulate Sost and Downregulate OPG Expression In Osteocytes: Evidence For Osteocytic Contributions To MM-Induced Bone Disease. Blood, 2013, 122, 3140-3140.	0.6	4
92	Consumption of Rabbiteye Blueberry Results in Accumulation of Hippuric Acid in the Bone Marrow and Increased Bone Deposition in Ovariectomized Rats but Few Other Bone Benefits (P06-064-19). Current Developments in Nutrition, 2019, 3, nzz031.P06-064-19.	0.1	2
93	Why to Keep Osteocytes Alive and How?. Journal of Korean Endocrine Society, 2009, 24, 223.	0.1	1
94	Comment on Osteocytes: Masters Orchestrators of Bone. Calcified Tissue International, 2014, 95, 382-383.	1.5	1
95	Notch- and TNFÎ±-Activated Signaling Pathways Mediate Osteocyte Apoptosis Triggered By Multiple Myeloma Cells. Blood, 2014, 124, 3354-3354.	0.6	1
96	Mechanical forces, osteocyte viability and bone strength. FASEB Journal, 2006, 20, A416.	0.2	0
97	Osteocyte-Mediated Parathyroid Hormone (PTH) Signaling Regulates Hematopoietic Stem Cells Under Physiologic and Continuous PTH Exposure. Blood, 2015, 126, 1199-1199.	0.6	0
98	Basic Aspects of Osteocyte Function. Contemporary Endocrinology, 2020, , 43-69.	0.3	0