Gloria A Gronowicz

List of Publications by Year
in descending order

68	5,753	94269 37	110170 64
papers	citations	h-index	g-index

69	69	69	6302
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Functionalized silk-based biomaterials for bone formation. Journal of Biomedical Materials Research Part B, 2001, 54, 139-148.	3.0	738
2	The inflammatory responses to silk films in vitro and in vivo. Biomaterials, 2005, 26, 147-155.	5.7	725
3	miR-29 Modulates Wnt Signaling in Human Osteoblasts through a Positive Feedback Loop. Journal of Biological Chemistry, 2010, 285, 25221-25231.	1.6	368
4	The in vitro response of human osteoblasts to polyetheretherketone (PEEK) substrates compared to commercially pure titanium. Biomaterials, 2008, 29, 1563-1572.	5.7	245
5	Estrogen Prevents Glucocorticoid-Induced Apoptosis in Osteoblasts in Vivo and in Vitro1. Endocrinology, 1999, 140, 5339-5347.	1.4	222
6	Primary hyperparathyroidism caused by parathyroid-targeted overexpression of cyclin D1 in transgenic mice. Journal of Clinical Investigation, 2001, 107, 1093-1102.	3.9	208
7	Response of human osteoblasts to implant materials: Integrin-mediated adhesion. Journal of Orthopaedic Research, 1996, 14, 878-887.	1.2	203
8	Mice Lacking the Type I Interleukin-1 Receptor Do Not Lose Bone Mass after Ovariectomy. Endocrinology, 1998, 139, 3022-3025.	1.4	176
9	An in vitro model for mineralization of human osteoblast-like cells on implant materials. Biomaterials, 1999, 20, 211-220.	5.7	132
10	In vitro mineralization of fetal rat parietal bones in defined serum-free medium: Effect of Î²-glycerol phosphate. Journal of Bone and Mineral Research, 1989, 4, 313-324.	3.1	121
11	One-Step Derivation of Mesenchymal Stem Cell (MSC)-Like Cells from Human Pluripotent Stem Cells on a Fibrillar Collagen Coating. PLoS ONE, 2012, 7, e33225.	1.1	120
12	Transgenic Expression of 11Î²-Hydroxysteroid Dehydrogenase Type 2 in Osteoblasts Reveals an Anabolic Role for Endogenous Glucocorticoids in Bone. Endocrinology, 2004, 145, 922-929.	1.4	118
13	Alterations in Bone Metabolism in Children with Inflammatory Bowel Disease: An In Vitro Study. Journal of Pediatric Gastroenterology and Nutrition, 1997, 24, 289-295.	0.9	118
14	Effect of Crohn's Disease on Bone Metabolism In Vitro: A Role for Interleukin-6. Journal of Bone and Mineral Research, 2002, 17, 695-702.	3.1	103
15	Effect of platelet-rich plasma with autogenous bone graft for maxillary sinus augmentation in a rabbit model. Journal of Oral and Maxillofacial Surgery, 2005, 63, 370-376.	0.5	101
16	T Lymphocyte-Deficient Mice Lose Trabecular Bone Mass With Ovariectomy. Journal of Bone and Mineral Research, 2006, 21, 1704-1712.	3.1	96
17	Integrin-mediated signaling regulates AP-1 transcription factors and proliferation in osteoblasts. Journal of Biomedical Materials Research Part B, 2000, 52, 725-737.	3.0	94
18	Identification of a TAAT-containing Motif Required for High Level Expression of the Promoter in Differentiated Osteoblasts of Transgenic Mice. Journal of Biological Chemistry, 1996, 271, 16422-16429.	1.6	92

#	Article	IF	Citations
19	Stat1 Controls Postnatal Bone Formation by Regulating Fibroblast Growth Factor Signaling in Osteoblasts. Journal of Biological Chemistry, 2004, 279, 27743-27752.	1.6	92
20	Transgenic mice with osteoblast-targeted insulin-like growth factor-I show increased bone remodeling. Bone, 2006, 39, 494-504.	1.4	90
21	Porous tantalum stimulates the proliferation and osteogenesis of osteoblasts from elderly female patients. Journal of Orthopaedic Research, 2011, 29, 609-616.	1.2	90
22	Integrin-mediated signaling in osteoblasts on titanium implant materials. Journal of Biomedical Materials Research Part B, 2000, 52, 738-747.	3.0	82
23	Effects of transforming growth factor-beta 1 (TGF-Î²1) on in vitro mineralization of human osteoblasts on implant materials. Biomaterials, 2003, 24, 2013-2020.	5.7	75
24	Interleukin-7 Influences Osteoclast Function In Vivo but Is Not a Critical Factor in Ovariectomy-Induced Bone Loss. Journal of Bone and Mineral Research, 2006, 21, 695-702.	3.1	75
25	Cellular Mechanism of Decreased Bone in Brtl Mouse Model of OI: Imbalance of Decreased Osteoblast Function and Increased Osteoclasts and Their Precursors. Journal of Bone and Mineral Research, 2008, 23, 1983-1994.	3.1	75
26	Glucocorticoids stimulate resorption in fetal rat parietal bones in vitro. Journal of Bone and Mineral Research, 1990, 5, 1223-1230.	3.1	70
27	Synthetic peptide containing Arg-Gly-Asp inhibits bone formation and resorption in a mineralizing organ culture system of fetal rat parietal bones. Journal of Bone and Mineral Research, 1994, 9, 193-201.	3.1	68
28	Matrix-mediated retention ofin vitro osteogenic differentiation potential andin vivo bone-forming capacity by human adult bone marrow-derived mesenchymal stem cells duringex vivo expansion. Journal of Biomedical Materials Research - Part A, 2006, 79A, 464-475.	2.1	65
29	The effects of patient age on human osteoblasts' response to Tiâ€“6Alâ€“4V implants in vitro. Journal of Orthopaedic Research, 2004, 22, 30-38.	1.2	63
30	Alendronate Treatment of the Brtl Osteogenesis Imperfecta Mouse Improves Femoral Geometry and Load Response Before Fracture but Decreases Predicted Material Properties and Has Detrimental Effects on Osteoblasts and Bone Formation. Journal of Bone and Mineral Research, 2009, 24, 849-859.	3.1	57
31	Effects of low dose FGF-2 and BMP-2 on healing of calvarial defects in old mice. Experimental Gerontology, 2015, 64, 62-69.	1.2	57
32	Parathyroid hormone promotes the disassembly of cytoskeletal actin and myosin in cultured osteoblastic cells: Mediation by cyclic AMP. Journal of Cellular Biochemistry, 1991, 45, 101-111.	1.2	50
33	Fibroblast Growth Factor-2, Bone Homeostasis and Fracture Repair. Current Pharmaceutical Design, 2013, 19, 3354-3363.	0.9	50
34	Therapeutic Touch Stimulates the Proliferation of Human Cells in Culture. Journal of Alternative and Complementary Medicine, 2008, 14, 233-239.	2.1	42
35	Fibroblast Growth Factor-2 and Bone Morphogenetic Protein-2 Have a Synergistic Stimulatory Effect on Bone Formation in Cell Cultures From Elderly Mouse and Human Bone. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2013, 68, 1170-1180.	1.7	42
36	Effect of Osteoblast-Targeted Expression of Bcl-2 in Bone: Differential Response in Male and Female Mice. Journal of Bone and Mineral Research, 2005, 20, 1414-1429.	3.1	40

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37	<sup />Calvarial Bone Regeneration Is Enhanced by Sequential Delivery of FGF-2 and BMP-2 from Layer-by-Layer Coatings with a Biomimetic Calcium Phosphate Barrier Layer. Tissue Engineering - Part A, 2017, 23, 1490-1501.	1.6	40
38	Col1a1 Promoter-targeted Expression of p20 CCAAT Enhancer-binding Protein Î² (C/EBPÎ²), a Truncated C/EBPÎ² Isoform, Causes Osteopenia in Transgenic Mice. Journal of Biological Chemistry, 2005, 280, 8117-8124.	1.6	36
39	Tendon and bone responses to a collagen-coated suture material. Journal of Shoulder and Elbow Surgery, 2007, 16, S222-S230.	1.2	32
40	Prostaglandin E2 Stimulates Preosteoblast Replication: An Autoradiographic Study in Cultured Fetal Rat Calvariae. Experimental Cell Research, 1994, 212, 314-320.	1.2	31
41	Therapeutic touch affects DNA synthesis and mineralization of human osteoblasts in culture. Journal of Orthopaedic Research, 2008, 26, 1541-1546.	1.2	30
42	CREM deficiency in mice alters the response of bone to intermittent parathyroid hormone treatment. Bone, 2007, 40, 1135-1143.	1.4	29
43	Biofield Research: A Roundtable Discussion of Scientific and Methodological Issues. Journal of Alternative and Complementary Medicine, 2012, 18, 1081-1086.	2.1	28
44	Bone-Targeted Overexpression of Bcl-2 Increases Osteoblast Adhesion and Differentiation and Inhibits Mineralization In Vitro. Calcified Tissue International, 2007, 80, 111-122.	1.5	25
45	Do Cyclooxygenase-2 Knockout Mice Have Primary Hyperparathyroidism?. Endocrinology, 2005, 146, 1843-1853.	1.4	24
46	Transforming growth factor-beta 1 (TGF-Î²1) prevents the age-dependent decrease in bone formation in human osteoblast/implant cultures. Journal of Biomedical Materials Research - Part A, 2005, 75A, 98-105.	2.1	22
47	Fibroblast Growth Factor-2 Stimulates the Proliferation of Mesenchyme-Derived Progenitor Cells From Aging Mouse and Human Bone. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2010, 65A, 1051-1059.	1.7	22
48	Cell density-dependent decrease in cytoskeletal actin and myosin in cultured osteoblastic cells: Correlation with cyclic AMP changes. Journal of Cellular Biochemistry, 1991, 45, 93-100.	1.2	19
49	Bone-Directed Expression of Col1a1 Promoter-Driven Self-Inactivating Retroviral Vector in Bone Marrow Cells and Transgenic Mice. Molecular Therapy, 2001, 3, 543-550.	3.7	19
50	Osteopenia in transgenic mice with osteoblast-targeted expression of the inducible cAMP early repressor. Bone, 2008, 43, 101-109.	1.4	19
51	Age-Related Changes in FGF-2, Fibroblast Growth Factor Receptors and Î²-Catenin Expression in Human Mesenchyme-Derived Progenitor Cells. Journal of Cellular Biochemistry, 2016, 117, 721-729.	1.2	19
52	New Insights on Therapeutic Touch: A Discussion of Experimental Methodology and Design That Resulted in Significant Effects on Normal Human Cells and Osteosarcoma. Explore: the Journal of Science and Healing, 2011, 7, 44-51.	0.4	18
53	Therapeutic Touch Has Significant Effects on Mouse Breast Cancer Metastasis and Immune Responses but Not Primary Tumor Size. Evidence-based Complementary and Alternative Medicine, 2015, 2015, 1-10.	0.5	17
54	Insulin-like growth factor II induces apoptosis in osteoblasts. Bone, 2004, 35, 621-628.	1.4	15

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55	Ascorbic Acid Alters Collagen Integrins in Bone Culture. , 0, .		12
56	Fabrication and Characterization of Hydroxyapatite-Coated Polystyrene Disks for Use in Osteoprogenitor Cell Culture. Journal of Biomaterials Science, Polymer Edition, 2010, 21, 1371-1387.	1.9	11
57	Odontoblastâ€targeted Bclâ€2 overexpression impairs dentin formation. Journal of Cellular Biochemistry, 2010, 111, 425-432.	1.2	9
58	Human biofield therapy does not affect tumor size but modulates immune responses in a mouse model for breast cancer. Journal of Integrative Medicine, 2016, 14, 389-399.	1.4	9
59	Optimizing BMP-2-induced bone repair with FGF-2. Journal of the American Academy of Orthopaedic Surgeons, The, 2014, 22, 677-679.	1.1	8
60	Chronic rhinosinusitis osteoblasts differ in cellular properties from normal bone. International Forum of Allergy and Rhinology, 2015, 5, 124-131.	1.5	7
61	Endogenous <scp>FGF</scp>â€2 levels impact <scp>FGF</scp>â€2/<scp>BMP</scp>â€2 growth factor delivery dosing in aged murine calvarial bone defects. Journal of Biomedical Materials Research - Part A, 2021, 109, 2545-2555.	2.1	6
62	Cell Type Influences Local Delivery of Biomolecules from a Bioinspired Apatite Drug Delivery System. Materials, 2018, 11, 1703.	1.3	5
63	Challenges for Preclinical Investigations of Human Biofield Modalities. Global Advances in Health and Medicine, 2015, 4, gahmj.2015.013..	0.7	4
64	Differences in Otosclerotic and Normal Human Stapedial Osteoblast Properties Are Normalized by Alendronate in Vitro. Otolaryngology - Head and Neck Surgery, 2014, 151, 657-666.	1.1	2
65	Integrinâ€mediated signaling in osteoblasts on titanium implant materials. Journal of Biomedical Materials Research Part B, 2000, 52, 738-747.	3.0	2
66	Integrin-mediated signaling in osteoblasts on titanium implant materials. , 2000, 52, 738.		1
67	Current Methodologic Issues in Cell and Tissue Culture. , 2002, , 1529-1541.		1
68	Response to the Letter "Age and site should be considered when investigating the effect of growth factors on human bone-derived cells". Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2014, 69, 1092-1093.	1.7	0