

Laurie K Mccauley

List of Publications by Year in descending order

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113
papers

10,284
citations

46918

47
h-index

34900

98
g-index

122
all docs

122
docs citations

122
times ranked

11498
citing authors

#	ARTICLE	IF	CITATIONS
1	Cancer to bone: a fatal attraction. <i>Nature Reviews Cancer</i> , 2011, 11, 411-425.	12.8	1,047
2	Diagnosis and Management of Osteonecrosis of the Jaw: A Systematic Review and International Consensus. <i>Journal of Bone and Mineral Research</i> , 2015, 30, 3-23.	3.1	957
3	Use of the stromal cell-derived factor-1/CXCR4 pathway in prostate cancer metastasis to bone. <i>Cancer Research</i> , 2002, 62, 1832-7.	0.4	768
4	Peri-implant diseases and conditions: Consensus report of workgroup 4 of the 2017 World Workshop on the Classification of Periodontal and Peri-implant Diseases and Conditions. <i>Journal of Clinical Periodontology</i> , 2018, 45, S286-S291.	2.3	759
5	Peri-implant diseases and conditions: Consensus report of workgroup 4 of the 2017 World Workshop on the Classification of Periodontal and Peri-implant Diseases and Conditions. <i>Journal of Periodontology</i> , 2018, 89, S313-S318.	1.7	490
6	Teriparatide and Osseous Regeneration in the Oral Cavity. <i>New England Journal of Medicine</i> , 2010, 363, 2396-2405.	13.9	224
7	Macrophages: Their Emerging Roles in Bone. <i>Journal of Bone and Mineral Research</i> , 2015, 30, 2140-2149.	3.1	219
8	Case-Based Review of Osteonecrosis of the Jaw (ONJ) and Application of the International Recommendations for Management From the International Task Force on ONJ. <i>Journal of Clinical Densitometry</i> , 2017, 20, 8-24.	0.5	185
9	Prostate carcinoma skeletal metastases: cross-talk between tumor and bone. <i>Cancer and Metastasis Reviews</i> , 2001, 20, 333-349.	2.7	179
10	Bone Turnover Mediates Preferential Localization of Prostate Cancer in the Skeleton. <i>Endocrinology</i> , 2005, 146, 1727-1736.	1.4	174
11	Extracellular Calcium as a Candidate Mediator of Prostate Cancer Skeletal Metastasis. <i>Cancer Research</i> , 2006, 66, 9065-9073.	0.4	174
12	Osteal macrophages support physiologic skeletal remodeling and anabolic actions of parathyroid hormone in bone. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 1545-1550.	3.3	167
13	Hematopoietic Stem Cells Regulate Mesenchymal Stromal Cell Induction into Osteoblasts Thereby Participating in the Formation of the Stem Cell Niche. <i>Stem Cells</i> , 2008, 26, 2042-2051.	1.4	159
14	Twenty-five years of PTHrP progress: From cancer hormone to multifunctional cytokine. <i>Journal of Bone and Mineral Research</i> , 2012, 27, 1231-1239.	3.1	145
15	A Destructive Cascade Mediated by CCL2 Facilitates Prostate Cancer Growth in Bone. <i>Cancer Research</i> , 2009, 69, 1685-1692.	0.4	144
16	Parathyroid Hormone and Parathyroid Hormone-related Protein Exert Both Pro- and Anti-apoptotic Effects in Mesenchymal Cells. <i>Journal of Biological Chemistry</i> , 2002, 277, 19374-19381.	1.6	140
17	Polarization of Prostate Cancer-associated Macrophages Is Induced by Milk Fat Globule-EGF Factor 8 (MFG-E8)-mediated Efferocytosis. <i>Journal of Biological Chemistry</i> , 2014, 289, 24560-24572.	1.6	140
18	Expression of Extracellular Matrix Proteins in Human Periodontal Ligament Cells During Mineralization In Vitro. <i>Journal of Periodontology</i> , 1997, 68, 320-327.	1.7	130

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19	Osteoporosis and Periodontitis. <i>Current Osteoporosis Reports</i> , 2016, 14, 284-291.	1.5	124
20	Anabolic Actions of Parathyroid Hormone during Bone Growth Are Dependent on c-fos. <i>Endocrinology</i> , 2002, 143, 4038-4047.	1.4	115
21	Parathyroid hormone mediates bone growth through the regulation of osteoblast proliferation and differentiation. <i>Bone</i> , 2008, 42, 806-818.	1.4	108
22	Macrophages and skeletal health. , 2017, 174, 43-54.		107
23	Dickkopf-1 (DKK-1) stimulated prostate cancer growth and metastasis and inhibited bone formation in osteoblastic bone metastases. <i>Prostate</i> , 2011, 71, 615-625.	1.2	105
24	Regulation of heterotopic ossification by monocytes in a mouse model of aberrant wound healing. <i>Nature Communications</i> , 2020, 11, 722.	5.8	104
25	Cells of the Osteoclast Lineage as Mediators of the Anabolic Actions of Parathyroid Hormone in Bone. <i>Endocrinology</i> , 2005, 146, 4584-4596.	1.4	103
26	Apoptosis-induced CXCL5 accelerates inflammation and growth of prostate tumor metastases in bone. <i>Journal of Clinical Investigation</i> , 2017, 128, 248-266.	3.9	103
27	Cyclin D1 as a Target for the Proliferative Effects of PTH and PTHrP in Early Osteoblastic Cells. <i>Journal of Bone and Mineral Research</i> , 2007, 22, 951-964.	3.1	96
28	The multifaceted actions of PTHrP in skeletal metastasis. <i>Future Oncology</i> , 2012, 8, 803-817.	1.1	94
29	Effect of Zoledronate on Oral Wound Healing in Rats. <i>Clinical Cancer Research</i> , 2011, 17, 1405-1414.	3.2	92
30	Mediators of Periodontal Osseous Destruction and Remodeling: Principles and Implications for Diagnosis and Therapy. <i>Journal of Periodontology</i> , 2002, 73, 1377-1391.	1.7	90
31	Tumor expressed PTHrP facilitates prostate cancer-induced osteoblastic lesions. <i>International Journal of Cancer</i> , 2008, 123, 2267-2278.	2.3	90
32	Skeletal metastasis: Established and emerging roles of parathyroid hormone related protein (PTHrP). <i>Cancer and Metastasis Reviews</i> , 2007, 25, 559-571.	2.7	89
33	Antiresorptives and Osteonecrosis of the Jaw. <i>Journal of Evidence-based Dental Practice</i> , 2012, 12, 233-247.	0.7	86
34	The Role of Parathyroid Hormone-Related Protein in the Regulation of Osteoclastogenesis by Cementoblasts. <i>Journal of Periodontology</i> , 2004, 75, 1247-1254.	1.7	83
35	Anabolic actions of PTH (1-34): Use of a novel tissue engineering model to investigate temporal effects on bone. <i>Bone</i> , 2005, 36, 959-970.	1.4	83
36	PTH/PTHrP receptor is temporally regulated during osteoblast differentiation and is associated with collagen synthesis. , 1996, 61, 638-647.		73

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37	The midregion, nuclear localization sequence, and C terminus of PTHrP regulate skeletal development, hematopoiesis, and survival in mice. <i>FASEB Journal</i> , 2010, 24, 1947-1957.	0.2	71
38	Proto-Oncogene <i>c-fos</i> Is Transcriptionally Regulated by Parathyroid Hormone (PTH) and PTH-Related Protein in a Cyclic Adenosine Monophosphate-Dependent Manner in Osteoblastic Cells. <i>Endocrinology</i> , 1997, 138, 5427-5433.	1.4	69
39	Local pulsatile PTH delivery regenerates bone defects via enhanced bone remodeling in a cell-free scaffold. <i>Biomaterials</i> , 2017, 114, 1-9.	5.7	69
40	PTHrP Signaling Targets Cyclin D1 and Induces Osteoblastic Cell Growth Arrest. <i>Journal of Bone and Mineral Research</i> , 2005, 20, 1051-1064.	3.1	68
41	Cyclophosphamide Creates a Receptive Microenvironment for Prostate Cancer Skeletal Metastasis. <i>Cancer Research</i> , 2012, 72, 2522-2532.	0.4	67
42	Impact of the Mitogen-activated Protein Kinase Pathway on Parathyroid Hormone-related Protein Actions in Osteoblasts. <i>Journal of Biological Chemistry</i> , 2004, 279, 29121-29129.	1.6	65
43	Preclinical Mouse Models of Human Prostate Cancer and Their Utility in Drug Discovery. <i>Current Protocols in Pharmacology</i> , 2010, 51, Unit 14.15.	4.0	65
44	Effects of differentiation and transforming growth factor β 21 on PTH/PTHrP receptor mRNA levels in MC3T3-E1 cells. <i>Journal of Bone and Mineral Research</i> , 1995, 10, 1243-1255.	3.1	64
45	Bone marrow macrophages support prostate cancer growth in bone. <i>Oncotarget</i> , 2015, 6, 35782-35796.	0.8	62
46	β -Cyclic Adenosine Monophosphate Activation in Osteoblastic Cells: Effects on Parathyroid Hormone-1 Receptors and Osteoblastic Differentiation in Vitro*. <i>Endocrinology</i> , 1999, 140, 3154-3162.	1.4	60
47	Pulsatile release of parathyroid hormone from an implantable delivery system. <i>Biomaterials</i> , 2007, 28, 4124-4131.	5.7	56
48	Parathyroid Hormone-Related Protein Drives a CD11b+Gr1+ Cell-Mediated Positive Feedback Loop to Support Prostate Cancer Growth. <i>Cancer Research</i> , 2013, 73, 6574-6583.	0.4	52
49	Skeletal metastasis of prostate adenocarcinoma in rats: Morphometric analysis and role of parathyroid hormone-related protein. , 1999, 39, 187-197.		51
50	Modulation of Osteoblastic Cell Efferocytosis by Bone Marrow Macrophages. <i>Journal of Cellular Biochemistry</i> , 2016, 117, 2697-2706.	1.2	50
51	Cutting Edge: Parathyroid Hormone Facilitates Macrophage Efferocytosis in Bone Marrow via Proresolving Mediators Resolvin D1 and Resolvin D2. <i>Journal of Immunology</i> , 2014, 193, 26-29.	0.4	49
52	Role of <i>Bcl2</i> in Osteoclastogenesis and PTH Anabolic Actions in Bone. <i>Journal of Bone and Mineral Research</i> , 2008, 23, 621-632.	3.1	48
53	Variation in Periodontal Diagnosis and Treatment Planning Among Clinical Instructors. <i>Journal of Dental Education</i> , 2005, 69, 325-337.	0.7	46
54	Transforming growth factor β 21 regulates steady-state PTH/PTHrP receptor mRNA levels and PTHrP binding in ROS 17/2.8 osteosarcoma cells. <i>Molecular and Cellular Endocrinology</i> , 1994, 101, 331-336.	1.6	45

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55	Parathyroid Hormone-Related Protein Regulates Extracellular Matrix Gene Expression in Cementoblasts and Inhibits Cementoblast-Mediated Mineralization In Vitro. <i>Journal of Bone and Mineral Research</i> , 2000, 15, 2140-2153.	3.1	44
56	Response of immortalized murine cementoblasts/periodontal ligament cells to parathyroid hormone and parathyroid hormone-related protein in vitro. <i>Archives of Oral Biology</i> , 2000, 45, 293-303.	0.8	43
57	Proteoglycan 4: A dynamic regulator of skeletogenesis and parathyroid hormone skeletal anabolism. <i>Journal of Bone and Mineral Research</i> , 2012, 27, 11-25.	3.1	40
58	Inhibitory effects of megakaryocytic cells in prostate cancer skeletal metastasis. <i>Journal of Bone and Mineral Research</i> , 2011, 26, 125-134.	3.1	38
59	Immune mediators in the tumor microenvironment of prostate cancer. <i>Chinese Journal of Cancer</i> , 2017, 36, 29.	4.9	38
60	Parathyroid Hormone Mediates Hematopoietic Cell Expansion through Interleukin-6. <i>PLoS ONE</i> , 2010, 5, e13657.	1.1	38
61	Matrix $\hat{3}$ -Carboxyglutamic Acid Protein Is a Key Regulator of PTH-Mediated Inhibition of Mineralization in MC3T3-E1 Osteoblast-Like Cells. <i>Endocrinology</i> , 2001, 142, 4379-4388.	1.4	37
62	Effects of Sex Steroid Receptor Specificity in the Regulation of Skeletal Metabolism. <i>Calcified Tissue International</i> , 2004, 75, 60-70.	1.5	37
63	Effect of Transforming Growth Factor- $\hat{2}$ 1 on Parathyroid Hormone-Related Protein Secretion and mRNA Expression by Normal Human Keratinocytes In Vitro. <i>Endocrine</i> , 1998, 8, 291-300.	2.2	36
64	The Soluble Interleukin-6 Receptor Is a Mediator of Hematopoietic and Skeletal Actions of Parathyroid Hormone. <i>Journal of Biological Chemistry</i> , 2013, 288, 6814-6825.	1.6	36
65	Parathyroid Hormone-Related Protein Production by Normal Human Keratinocytes in Vitro. <i>Experimental Cell Research</i> , 1993, 208, 68-74.	1.2	34
66	Skeletal homeostasis in tissue-engineered bone. <i>Journal of Orthopaedic Research</i> , 2003, 21, 859-864.	1.2	34
67	Roles of Bone Marrow Cells in Skeletal Metastases: No Longer Bystanders. <i>Cancer Microenvironment</i> , 2011, 4, 237-246.	3.1	34
68	An Irradiation-Altered Bone Marrow Microenvironment Impacts Anabolic Actions of PTH. <i>Endocrinology</i> , 2011, 152, 4525-4536.	1.4	34
69	Nuclear localization of parathyroid hormone-related peptide confers resistance to anoikis in prostate cancer cells. <i>Endocrine-Related Cancer</i> , 2012, 19, 243-254.	1.6	34
70	Estrogen Receptors in Skeletal Metabolism: Lessons from Genetically Modified Models of Receptor Function. <i>Critical Reviews in Eukaryotic Gene Expression</i> , 2002, 12, 89-100.	0.4	33
71	The effects of zoledronic acid in the bone and vasculature support of hematopoietic stem cell niches. <i>Journal of Cellular Biochemistry</i> , 2013, 114, 67-78.	1.2	32
72	Parathyroid Hormone-Related Protein Down-Regulates Bone Sialoprotein Gene Expression in Cementoblasts: Role of the Protein Kinase A Pathway**This work was supported by NIH Grants DE-37596, DE-12211, and DK-53904 and the Block Grant from the Horace Rackham School of Graduate Studies, at the University of Michigan.. <i>Endocrinology</i> , 2000, 141, 4671-4680.	1.4	29

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73	cAMP Binding Protein Assay for Widespread Use in Cell Signaling Studies. <i>BioTechniques</i> , 2002, 33, 66-72.	0.8	28
74	Bone Mass Is Compromised by the Chemotherapeutic Trabectedin in Association With Effects on Osteoblasts and Macrophage Efferocytosis. <i>Journal of Bone and Mineral Research</i> , 2017, 32, 2116-2127.	3.1	28
75	In vivo visualization of metastatic prostate cancer and quantitation of disease progression in immunocompromised mice. <i>Cancer Biology and Therapy</i> , 2003, 2, 656-60.	1.5	28
76	Effect of bone proteins on human prostate cancer cell lines in vitro. , 1998, 36, 14-22.		27
77	Transgenic mouse models of metabolic bone disease. <i>Current Opinion in Rheumatology</i> , 2001, 13, 316-325.	2.0	27
78	Calcium Sensing Receptor Function Supports Osteoblast Survival and Acts as a Co-factor in PTH Anabolic Actions in Bone. <i>Journal of Cellular Biochemistry</i> , 2016, 117, 1556-1567.	1.2	25
79	Three-Dimensional Electrodeposition of Calcium Phosphates on Porous Nanofibrous Scaffolds and Their Controlled Release of Calcium for Bone Regeneration. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 32503-32513.	4.0	25
80	JunB as a Downstream Mediator of PTHrP Actions in Cementoblasts. <i>Journal of Bone and Mineral Research</i> , 2005, 21, 246-257.	3.1	24
81	Inflammation and skeletal metastasis. <i>BoneKey Reports</i> , 2015, 4, 706.	2.7	24
82	Proto-Oncogene c-fos Is Transcriptionally Regulated by Parathyroid Hormone (PTH) and PTH-Related Protein in a Cyclic Adenosine Monophosphate-Dependent Manner in Osteoblastic Cells. , 0, .		23
83	The basic helix loop helix transcription factor twist1 is a novel regulator of ATF4 in osteoblasts. <i>Journal of Cellular Biochemistry</i> , 2012, 113, 70-79.	1.2	21
84	Preprogrammed Long-Term Systemic Pulsatile Delivery of Parathyroid Hormone to Strengthen Bone. <i>Advanced Healthcare Materials</i> , 2017, 6, 1600901.	3.9	21
85	Juxtacrine interaction of macrophages and bone marrow stromal cells induce interleukin-6 signals and promote cell migration. <i>Bone Research</i> , 2015, 3, 15014.	5.4	20
86	Ossicle and Vossicle Implant Model Systems. <i>Methods in Molecular Biology</i> , 2008, 455, 101-110.	0.4	20
87	Proteoglycan 4, a Novel Immunomodulatory Factor, Regulates Parathyroid Hormone Actions on Hematopoietic Cells. <i>American Journal of Pathology</i> , 2011, 179, 2431-2442.	1.9	19
88	Review of Animal Models of Prostate Cancer Bone Metastasis. <i>Veterinary Sciences</i> , 2014, 1, 16-39.	0.6	19
89	Contribution of Macrophages and T Cells in Skeletal Metastasis. <i>Cancers</i> , 2020, 12, 1014.	1.7	19
90	Accuracy and Consistency of Radiographic Interpretation Among Clinical Instructors in Conjunction with a Training Program. <i>Journal of Dental Education</i> , 2006, 70, 545-557.	0.7	17

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91	Drugs which inhibit osteoclast function suppress tumor growth through calcium reduction in bone. <i>Bone</i> , 2011, 48, 1354-1361.	1.4	16
92	c-Maf and you won't see fat. <i>Journal of Clinical Investigation</i> , 2010, 120, 3440-3442.	3.9	16
93	Effects of Interleukin-1 β and Cyclosporin A in vivo and in vitro on Bone and Lymphoid Tissues in Mice. <i>Toxicologic Pathology</i> , 1991, 19, 1-10.	0.9	15
94	Stromal and epithelial cells of the canine prostate express parathyroid hormone-related protein, but not the PTH/PTHrP receptor. , 1998, 36, 110-120.		15
95	Inflammatory bone loss associated with MFG-E8 deficiency is rescued by teriparatide. <i>FASEB Journal</i> , 2018, 32, 3730-3741.	0.2	15
96	Unique Pro-Inflammatory Response of Macrophages during Apoptotic Cancer Cell Clearance. <i>Cells</i> , 2020, 9, 429.	1.8	14
97	Accuracy and Consistency of Radiographic Interpretation Among Clinical Instructors Using Two Viewing Systems. <i>Journal of Dental Education</i> , 2006, 70, 149-159.	0.7	13
98	Matrix β -Carboxyglutamic Acid Protein Is a Key Regulator of PTH-Mediated Inhibition of Mineralization in MC3T3-E1 Osteoblast-Like Cells. , 0, .		12
99	Systemic Teriparatide Administration Promotes Osseous Regeneration of an Intrabony Defect: A Case Report. <i>Clinical Advances in Periodontics</i> , 2012, 2, 66-71.	0.4	11
100	Anabolic actions of PTH in murine models: two decades of insights. <i>Journal of Bone and Mineral Research</i> , 2020, 36, 1979-1998.	3.1	11
101	Cross Talk Between Macrophages and Cancer Cells in the Bone Metastatic Environment. <i>Frontiers in Endocrinology</i> , 2021, 12, 763846.	1.5	11
102	Impact of proteoglycan-4 and parathyroid hormone on articular cartilage. <i>Journal of Orthopaedic Research</i> , 2013, 31, 183-190.	1.2	9
103	The Future of Dental Schools in Research Universities and Academic Health Centers. <i>Journal of Dental Education</i> , 2017, 81, eS91-eS96.	0.7	8
104	Efferocytosis and prostate cancer skeletal metastasis: implications for intervention. <i>Oncoscience</i> , 2018, 5, 174-176.	0.9	8
105	The Activating Protein-1 Transcriptional Complex: Essential and Multifaceted Roles in Bone. <i>Clinical Reviews in Bone and Mineral Metabolism</i> , 2006, 4, 107-122.	1.3	6
106	PTH/PTHrP receptor is temporally regulated during osteoblast differentiation and is associated with collagen synthesis. <i>Journal of Cellular Biochemistry</i> , 1996, 61, 638-647.	1.2	2
107	PTHrP and Skeletal Metastasis. <i>Cancer Treatment and Research</i> , 2004, 118, 125-147.	0.2	2
108	Skeletal metastasis of prostate adenocarcinoma in rats: Morphometric analysis and role of parathyroid hormone-related protein. , 1999, 39, 187.		1

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109	COVID-19 and Dentistry: Biological Considerations, Testing Strategies, Issues, and Regulations. Compendium of Continuing Education in Dentistry (Jamesburg, NJ: 1995), 2021, 42, 290-296; quiz 297.	0.1	1
110	Author's response. Journal of the American Dental Association, 2020, 151, 555.	0.7	0
111	Perspectives on meeting the COVID-19 testing challenge: A dental school collaborative. Journal of Dental Education, 2020, 84, 950-954.	0.7	0
112	Induction of Apoptosis in the Bone Marrow Promotes Regenerative Actions of Parathyroid Hormone (PTH) in Bone. FASEB Journal, 2013, 27, 1086.4.	0.2	0
113	Targeting Efferocytic M2 Monocytes and Macrophages Offers Therapeutic Promise in Prostate Cancer Skeletal Metastasis. FASEB Journal, 2015, 29, LB457.	0.2	0