

# Elizabeth W Bradley

## List of Publications by Year in descending order

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39  
papers

2,018  
citations

257429

24  
h-index

289230

40  
g-index

43  
all docs

43  
docs citations

43  
times ranked

3283  
citing authors

#	ARTICLE	IF	CITATIONS
1	The histone H3.3K36M mutation reprograms the epigenome of chondroblastomas. <i>Science</i> , 2016, 352, 1344-1348.	12.6	211
2	Transplanted Senescent Cells Induce an Osteoarthritis-Like Condition in Mice. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2017, 72, glw154.	3.6	163
3	Phosphatidylinositol 3-kinase coordinately activates the MEK/ERK and AKT/NF- $\kappa$ B pathways to maintain osteoclast survival. <i>Journal of Cellular Biochemistry</i> , 2003, 89, 165-179.	2.6	160
4	TGF- $\beta$ 2 coordinately activates TAK1/MEK/AKT/NF $\kappa$ B and SMAD pathways to promote osteoclast survival. <i>Experimental Cell Research</i> , 2008, 314, 2725-2738.	2.6	156
5	Epigenetic Control of Skeletal Development by the Histone Methyltransferase Ezh2. <i>Journal of Biological Chemistry</i> , 2015, 290, 27604-27617.	3.4	144
6	Histone Deacetylases in Bone Development and Skeletal Disorders. <i>Physiological Reviews</i> , 2015, 95, 1359-1381.	28.8	122
7	WNT5A Regulates Chondrocyte Differentiation through Differential Use of the CaN/NFAT and IKK/NF- $\kappa$ B Pathways. <i>Molecular Endocrinology</i> , 2010, 24, 1581-1593.	3.7	104
8	Histone Deacetylase 3 Suppression Increases PH Domain and Leucine-rich Repeat Phosphatase (Phlpp)1 Expression in Chondrocytes to Suppress Akt Signaling and Matrix Secretion. <i>Journal of Biological Chemistry</i> , 2013, 288, 9572-9582.	3.4	74
9	Histone deacetylase 3 is required for maintenance of bone mass during aging. <i>Bone</i> , 2013, 52, 296-307.	2.9	66
10	Histone deacetylase 3 supports endochondral bone formation by controlling cytokine signaling and matrix remodeling. <i>Science Signaling</i> , 2016, 9, ra79.	3.6	60
11	Wnt5b regulates mesenchymal cell aggregation and chondrocyte differentiation through the planar cell polarity pathway. <i>Journal of Cellular Physiology</i> , 2011, 226, 1683-1693.	4.1	54
12	Osteoclast Culture and Resorption Assays. <i>Methods in Molecular Biology</i> , 2008, 455, 19-35.	0.9	52
13	Pathway crosstalk between Ras/Raf and PI3K in promotion of M-CSF-induced MEK/ERK-mediated osteoclast survival. <i>Journal of Cellular Biochemistry</i> , 2008, 104, 1439-1451.	2.6	50
14	Loss of histone methyltransferase Ezh2 stimulates an osteogenic transcriptional program in chondrocytes but does not affect cartilage development. <i>Journal of Biological Chemistry</i> , 2018, 293, 19001-19011.	3.4	50
15	Deletion of the PH-domain and Leucine-rich Repeat Protein Phosphatase 1 (Phlpp1) Increases Fibroblast Growth Factor (Fgf) 18 Expression and Promotes Chondrocyte Proliferation. <i>Journal of Biological Chemistry</i> , 2015, 290, 16272-16280.	3.4	49
16	Hdac-Mediated Control of Endochondral and Intramembranous Ossification. <i>Critical Reviews in Eukaryotic Gene Expression</i> , 2011, 21, 101-113.	0.9	48
17	Phlpp1 facilitates post-traumatic osteoarthritis and is induced by inflammation and promoter demethylation in human osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2016, 24, 1021-1028.	1.3	44
18	Histone Deacetylase 7 (Hdac7) Suppresses Chondrocyte Proliferation and $\beta$ -Catenin Activity during Endochondral Ossification. <i>Journal of Biological Chemistry</i> , 2015, 290, 118-126.	3.4	42

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19	Runx2 is required for early stages of endochondral bone formation but delays final stages of bone repair in Axin2-deficient mice. <i>Bone</i> , 2014, 66, 277-286.	2.9	41
20	Novel Pro-survival Functions of the Kruppel-like Transcription Factor Egr2 in Promotion of Macrophage Colony-stimulating Factor-mediated Osteoclast Survival Downstream of the MEK/ERK Pathway. <i>Journal of Biological Chemistry</i> , 2008, 283, 8055-8064.	3.4	40
21	Native, not nitrated, cytochrome c and mitochondria-derived hydrogen peroxide drive osteoclast apoptosis. <i>American Journal of Physiology - Cell Physiology</i> , 2005, 288, C156-C168.	4.6	36
22	Transforming Growth Factor- $\beta$ 2 Coordinately Induces Suppressor of Cytokine Signaling 3 and Leukemia Inhibitory Factor to Suppress Osteoclast Apoptosis. <i>Endocrinology</i> , 2010, 151, 1713-1722.	2.8	35
23	Identification of differentially methylated regions in new genes associated with knee osteoarthritis. <i>Gene</i> , 2016, 576, 312-318.	2.2	28
24	Histone Deacetylase 3 Deletion in Mesenchymal Progenitor Cells Hinders Long Bone Development. <i>Journal of Bone and Mineral Research</i> , 2017, 32, 2453-2465.	2.8	27
25	Phlpp1 is associated with human intervertebral disc degeneration and its deficiency promotes healing after needle puncture injury in mice. <i>Cell Death and Disease</i> , 2019, 10, 754.	6.3	22
26	PAK1 is a novel MEK-independent raf target controlling expression of the IAP survivin in CSF-mediated osteoclast survival. <i>Journal of Cellular Physiology</i> , 2008, 217, 752-758.	4.1	19
27	Phlpp inhibitors block pain and cartilage degradation associated with osteoarthritis. <i>Journal of Orthopaedic Research</i> , 2018, 36, 1487-1497.	2.3	19
28	Deficiency in the phosphatase PHLPP1 suppresses osteoclast-mediated bone resorption and enhances bone formation in mice. <i>Journal of Biological Chemistry</i> , 2019, 294, 11772-11784.	3.4	17
29	Histone deacetylase 3 suppresses Erk phosphorylation and matrix metalloproteinase (Mmp)-13 activity in chondrocytes. <i>Connective Tissue Research</i> , 2017, 58, 27-36.	2.3	12
30	Loss of Hdac3 in osteoprogenitors increases bone expression of osteoprotegerin, improving systemic insulin sensitivity. <i>Journal of Cellular Physiology</i> , 2018, 233, 2671-2680.	4.1	11
31	Serine/threonine phosphatases in osteoclastogenesis and bone resorption. <i>Gene</i> , 2021, 771, 145362.	2.2	11
32	Hdac3 regulates bone modeling by suppressing osteoclast responsiveness to RANKL. <i>Journal of Biological Chemistry</i> , 2020, 295, 17713-17723.	3.4	10
33	Hdac3 deletion in myeloid progenitor cells enhances bone healing in females and limits osteoclast fusion via Pmpa1. <i>Scientific Reports</i> , 2020, 10, 21804.	3.3	10
34	DNA methylation and FoxO3a regulate PHLPP1 expression in chondrocytes. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 7470-7478.	2.6	6
35	Pleckstrin homology (PH) domain and Leucine Rich Repeat Phosphatase 1 (Phlpp1) Suppresses Parathyroid Hormone Receptor 1 (Pth1r) Expression and Signaling During Bone Growth. <i>Journal of Bone and Mineral Research</i> , 2020, 36, 986-999.	2.8	6
36	Pain and Activity Measurements. <i>Methods in Molecular Biology</i> , 2021, 2221, 291-299.	0.9	4

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37	Phlpp1 is induced by estrogen in osteoclasts and its loss in Ctsk-expressing cells does not protect against ovariectomy-induced bone loss. PLoS ONE, 2021, 16, e0251732.	2.5	3
38	Myeloid Lineage Ablation of Phlpp1 Regulates M-CSF Signaling and Tempers Bone Resorption in Female Mice. International Journal of Molecular Sciences, 2021, 22, 9702.	4.1	3
39	GIRK3 deletion facilitates kappa opioid signaling in chondrocytes, delays vascularization and promotes bone lengthening in mice. Bone, 2022, 159, 116391.	2.9	2