

# David G Monroe

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

34 papers	1,877 citations	21 h-index	42 g-index
42 ext. papers	2,458 ext. citations	7.9 avg, IF	4.83 L-index

#	Paper	IF	Citations
34	Targeting cellular senescence prevents age-related bone loss in mice. <i>Nature Medicine</i> , <b>2017</b> , 23, 1072-1079	10.79	464
33	Update on Wnt signaling in bone cell biology and bone disease. <i>Gene</i> , <b>2012</b> , 492, 1-18	3.8	308
32	Identification of Senescent Cells in the Bone Microenvironment. <i>Journal of Bone and Mineral Research</i> , <b>2016</b> , 31, 1920-1929	6.3	214
31	Estrogen receptor alpha and beta heterodimers exert unique effects on estrogen- and tamoxifen-dependent gene expression in human U2OS osteosarcoma cells. <i>Molecular Endocrinology</i> , <b>2005</b> , 19, 1555-68		118
30	Regulation of Bone Metabolism by Sex Steroids. <i>Cold Spring Harbor Perspectives in Medicine</i> , <b>2018</b> , 8,	5.4	89
29	Effects of age on bone mRNA levels of sclerostin and other genes relevant to bone metabolism in humans. <i>Bone</i> , <b>2014</b> , 59, 1-6	4.7	79
28	Effects of estrogen on bone mRNA levels of sclerostin and other genes relevant to bone metabolism in postmenopausal women. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2014</b> , 99, E81-8	5.6	56
27	Identification of osteoclast-osteoblast coupling factors in humans reveals links between bone and energy metabolism. <i>Nature Communications</i> , <b>2020</b> , 11, 87	17.4	53
26	Relationship of sympathetic activity to bone microstructure, turnover, and plasma osteopontin levels in women. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2012</b> , 97, 4219-27	5.6	45
25	Sympathetic $\beta$ -adrenergic signaling contributes to regulation of human bone metabolism. <i>Journal of Clinical Investigation</i> , <b>2018</b> , 128, 4832-4842	15.9	44
24	Effects of Age and Estrogen on Skeletal Gene Expression in Humans as Assessed by RNA Sequencing. <i>PLoS ONE</i> , <b>2015</b> , 10, e0138347	3.7	43
23	Targeted Reduction of Senescent Cell Burden Alleviates Focal Radiotherapy-Related Bone Loss. <i>Journal of Bone and Mineral Research</i> , <b>2020</b> , 35, 1119-1131	6.3	40
22	Wnt10b activates the Wnt, notch, and NFB pathways in U2OS osteosarcoma cells. <i>Journal of Cellular Biochemistry</i> , <b>2011</b> , 112, 1392-402	4.7	39
21	Independent Roles of Estrogen Deficiency and Cellular Senescence in the Pathogenesis of Osteoporosis: Evidence in Young Adult Mice and Older Humans. <i>Journal of Bone and Mineral Research</i> , <b>2019</b> , 34, 1407-1418	6.3	35
20	Examination of nuclear receptor expression in osteoblasts reveals Ror $\gamma$ s an important regulator of osteogenesis. <i>Journal of Bone and Mineral Research</i> , <b>2012</b> , 27, 891-901	6.3	30
19	Deletion of Estrogen Receptor Beta in Osteoprogenitor Cells Increases Trabecular but Not Cortical Bone Mass in Female Mice. <i>Journal of Bone and Mineral Research</i> , <b>2016</b> , 31, 606-14	6.3	28
18	Global transcriptional profiling using RNA sequencing and DNA methylation patterns in highly enriched mesenchymal cells from young versus elderly women. <i>Bone</i> , <b>2015</b> , 76, 49-57	4.7	27

17	Accelerated osteocyte senescence and skeletal fragility in mice with type 2 diabetes. <i>JCI Insight</i> , <b>2020</b> , 5,	9.9	25
16	LPS-induced premature osteocyte senescence: Implications in inflammatory alveolar bone loss and periodontal disease pathogenesis. <i>Bone</i> , <b>2020</b> , 132, 115220	4.7	25
15	miR-219a-5p Regulates Ror $\gamma$ During Osteoblast Differentiation and in Age-related Bone Loss. <i>Journal of Bone and Mineral Research</i> , <b>2019</b> , 34, 135-144	6.3	24
14	Estrogen receptor isoform-specific regulation of the retinoblastoma-binding protein 1 (RBBP1) gene: roles of AF1 and enhancer elements. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 28596-604	5.4	22
13	Retinoblastoma binding protein-1 (RBP1) is a Runx2 coactivator and promotes osteoblastic differentiation. <i>BMC Musculoskeletal Disorders</i> , <b>2010</b> , 11, 104	2.8	17
12	Osteoprotection Through the Deletion of the Transcription Factor Ror $\gamma$ In Mice. <i>Journal of Bone and Mineral Research</i> , <b>2018</b> , 33, 720-731	6.3	11
11	Periodontal Disease and Senescent Cells: New Players for an Old Oral Health Problem?. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	7
10	Senescent cells exacerbate chronic inflammation and contribute to periodontal disease progression in old mice. <i>Journal of Periodontology</i> , <b>2021</b> , 92, 1483-1495	4.6	6
9	Update on the pathogenesis and treatment of skeletal fragility in type 2 diabetes mellitus. <i>Nature Reviews Endocrinology</i> , <b>2021</b> , 17, 685-697	15.2	6
8	Calcium mimics the chemotactic effect of conditioned media and is an effective inducer of bone regeneration. <i>PLoS ONE</i> , <b>2019</b> , 14, e0210301	3.7	5
7	The role of senolytics in osteoporosis and other skeletal pathologies. <i>Mechanisms of Ageing and Development</i> , <b>2021</b> , 199, 111565	5.6	4
6	miRNAs in osteoclast biology. <i>Bone</i> , <b>2021</b> , 143, 115757	4.7	3
5	Targeted clearance of p21- but not p16-positive senescent cells prevents radiation-induced osteoporosis and increased marrow adiposity.. <i>Aging Cell</i> , <b>2022</b> , e13602	9.9	3
4	Modulation of fracture healing by the transient accumulation of senescent cells. <i>ELife</i> , <b>2021</b> , 10,	8.9	2
3	Bone marrow adiposity in models of radiation- and aging-related bone loss is dependent on cellular senescence.. <i>Journal of Bone and Mineral Research</i> , <b>2022</b> ,	6.3	1
2	The classical estrogen receptor transcriptional pathway. <i>Clinical Reviews in Bone and Mineral Metabolism</i> , <b>2006</b> , 4, 129-140	2.5	
1	Osteoporosis and bone loss <b>2022</b> , 335-361		