David G Monroe

List of Publications by Year in Descending Order

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	Osteoporosis and bone loss **2022**, 335-361		
33	Bone marrow adiposity in models of radiation- and aging-related bone loss is dependent on cellular senescence.. *Journal of Bone and Mineral Research*, **2022**,	6.3	1
32	Targeted clearance of p21- but not p16-positive senescent cells prevents radiation-induced osteoporosis and increased marrow adiposity.. *Aging Cell*, **2022**, e13602	9.9	3
31	Modulation of fracture healing by the transient accumulation of senescent cells. *ELife*, **2021**, 10,	8.9	2
30	miRNAs in osteoclast biology. *Bone*, **2021**, 143, 115757	4.7	3
29	Senescent cells exacerbate chronic inflammation and contribute to periodontal disease progression in old mice. *Journal of Periodontology*, **2021**, 92, 1483-1495	4.6	6
28	Update on the pathogenesis and treatment of skeletal fragility in type 2 diabetes mellitus. *Nature Reviews Endocrinology*, **2021**, 17, 685-697	15.2	6
27	The role of senolytics in osteoporosis and other skeletal pathologies. *Mechanisms of Ageing and Development*, **2021**, 199, 111565	5.6	4
26	Targeted Reduction of Senescent Cell Burden Alleviates Focal Radiotherapy-Related Bone Loss. *Journal of Bone and Mineral Research*, **2020**, 35, 1119-1131	6.3	40
25	Accelerated osteocyte senescence and skeletal fragility in mice with type 2 diabetes. *JCI Insight*, **2020**, 5,	9.9	25
24	Identification of osteoclast-osteoblast coupling factors in humans reveals links between bone and energy metabolism. *Nature Communications*, **2020**, 11, 87	17.4	53
23	LPS-induced premature osteocyte senescence: Implications in inflammatory alveolar bone loss and periodontal disease pathogenesis. *Bone*, **2020**, 132, 115220	4.7	25
22	Periodontal Disease and Senescent Cells: New Players for an Old Oral Health Problem?. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	7
21	Independent Roles of Estrogen Deficiency and Cellular Senescence in the Pathogenesis of Osteoporosis: Evidence in Young Adult Mice and Older Humans. *Journal of Bone and Mineral Research*, **2019**, 34, 1407-1418	6.3	35
20	Calcium mimics the chemotactic effect of conditioned media and is an effective inducer of bone regeneration. *PLoS ONE*, **2019**, 14, e0210301	3.7	5
19	miR-219a-5p Regulates Ror During Osteoblast Differentiation and in Age-related Bone Loss. *Journal of Bone and Mineral Research*, **2019**, 34, 135-144	6.3	24
18	Regulation of Bone Metabolism by Sex Steroids. *Cold Spring Harbor Perspectives in Medicine*, **2018**, 8,	5.4	89

17	Sympathetic 1-adrenergic signaling contributes to regulation of human bone metabolism. *Journal of Clinical Investigation*, **2018**, 128, 4832-4842	15.9	44
16	Osteoprotection Through the Deletion of the Transcription Factor Ror In Mice. *Journal of Bone and Mineral Research*, **2018**, 33, 720-731	6.3	11
15	Targeting cellular senescence prevents age-related bone loss in mice. *Nature Medicine*, **2017**, 23, 1072-1079	30.5	464
14	Identification of Senescent Cells in the Bone Microenvironment. *Journal of Bone and Mineral Research*, **2016**, 31, 1920-1929	6.3	214
13	Deletion of Estrogen Receptor Beta in Osteoprogenitor Cells Increases Trabecular but Not Cortical Bone Mass in Female Mice. *Journal of Bone and Mineral Research*, **2016**, 31, 606-14	6.3	28
12	Global transcriptional profiling using RNA sequencing and DNA methylation patterns in highly enriched mesenchymal cells from young versus elderly women. *Bone*, **2015**, 76, 49-57	4.7	27
11	Effects of Age and Estrogen on Skeletal Gene Expression in Humans as Assessed by RNA Sequencing. *PLoS ONE*, **2015**, 10, e0138347	3.7	43
10	Effects of estrogen on bone mRNA levels of sclerostin and other genes relevant to bone metabolism in postmenopausal women. *Journal of Clinical Endocrinology and Metabolism*, **2014**, 99, E81-8	5.6	56
9	Effects of age on bone mRNA levels of sclerostin and other genes relevant to bone metabolism in humans. *Bone*, **2014**, 59, 1-6	4.7	79
8	Update on Wnt signaling in bone cell biology and bone disease. *Gene*, **2012**, 492, 1-18	3.8	308
7	Examination of nuclear receptor expression in osteoblasts reveals Ror as an important regulator of osteogenesis. *Journal of Bone and Mineral Research*, **2012**, 27, 891-901	6.3	30
6	Relationship of sympathetic activity to bone microstructure, turnover, and plasma osteopontin levels in women. *Journal of Clinical Endocrinology and Metabolism*, **2012**, 97, 4219-27	5.6	45
5	Wnt10b activates the Wnt, notch, and NFB pathways in U2OS osteosarcoma cells. *Journal of Cellular Biochemistry*, **2011**, 112, 1392-402	4.7	39
4	Retinoblastoma binding protein-1 (RBP1) is a Runx2 coactivator and promotes osteoblastic differentiation. *BMC Musculoskeletal Disorders*, **2010**, 11, 104	2.8	17
3	Estrogen receptor isoform-specific regulation of the retinoblastoma-binding protein 1 (RBBP1) gene: roles of AF1 and enhancer elements. *Journal of Biological Chemistry*, **2006**, 281, 28596-604	5.4	22
2	The classical estrogen receptor transcriptional pathway. *Clinical Reviews in Bone and Mineral Metabolism*, **2006**, 4, 129-140	2.5	
1	Estrogen receptor alpha and beta heterodimers exert unique effects on estrogen- and tamoxifen-dependent gene expression in human U2OS osteosarcoma cells. *Molecular Endocrinology* , **2005**, 19, 1555-68		118