

# Thomas A Einhorn

## List of Publications by Year in descending order

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53  
papers

9,217  
citations

76031

42  
h-index

198040

52  
g-index

53  
all docs

53  
docs citations

53  
times ranked

8932  
citing authors

#	ARTICLE	IF	CITATIONS
1	What's New in Musculoskeletal Basic Science. Journal of Bone and Joint Surgery - Series A, 2020, 102, 2017-2021.	1.4	0
2	A Comparison of Treatment Effects for Nonsurgical Therapies and the Minimum Clinically Important Difference in Knee Osteoarthritis. JBJS Reviews, 2019, 7, e5-e5.	0.8	28
3	Chemokine expression is upregulated in chondrocytes in diabetic fracture healing. Bone, 2013, 53, 294-300.	1.4	62
4	Functional role of Runx3 in the regulation of aggrecan expression during cartilage development. Journal of Cellular Physiology, 2013, 228, 2232-2242.	2.0	22
5	Vascular tissues are a primary source of BMP2 expression during bone formation induced by distraction osteogenesis. Bone, 2012, 51, 168-180.	1.4	112
6	Urine matrix metalloproteinases (MMPs) as biomarkers for the progression of fracture healing. Injury, 2012, 43, 274-278.	0.7	21
7	The transcriptome of fracture healing defines mechanisms of coordination of skeletal and vascular development during endochondral bone formation. Journal of Bone and Mineral Research, 2011, 26, 2597-2609.	3.1	37
8	TNF- $\alpha$ mediates diabetes-enhanced chondrocyte apoptosis during fracture healing and stimulates chondrocyte apoptosis Through FOXO1. Journal of Bone and Mineral Research, 2010, 25, 1604-1615.	3.1	139
9	Transcriptional profiling and biochemical analysis of mechanically induced cartilaginous tissues in a rat model. Arthritis and Rheumatism, 2010, 62, 1108-1118.	6.7	16
10	Mechanical stimulation alters tissue differentiation and molecular expression during bone healing. Journal of Orthopaedic Research, 2009, 27, 1123-1132.	1.2	111
11	Comparison of Effects of the Bisphosphonate Alendronate Versus the RANKL Inhibitor Denosumab on Murine Fracture Healing. Journal of Bone and Mineral Research, 2009, 24, 196-208.	3.1	189
12	Micro-computed tomography assessment of fracture healing: Relationships among callus structure, composition, and mechanical function. Bone, 2009, 44, 335-344.	1.4	216
13	Diabetes causes the accelerated loss of cartilage during fracture repair which is reversed by insulin treatment. Bone, 2009, 44, 357-363.	1.4	124
14	BMP2 is essential for post natal osteogenesis but not for recruitment of osteogenic stem cells. Bone, 2009, 45, 254-266.	1.4	91
15	High Levels of Tumor Necrosis Factor- $\alpha$ Contribute to Accelerated Loss of Cartilage in Diabetic Fracture Healing. American Journal of Pathology, 2009, 175, 1574-1585.	1.9	138
16	Transcriptional Analysis of Fracture Healing and the Induction of Embryonic Stem Cell-Related Genes. PLoS ONE, 2009, 4, e5393.	1.1	96
17	Bone Formation During Distraction Osteogenesis Is Dependent on Both VEGFR1 and VEGFR2 Signaling. Journal of Bone and Mineral Research, 2008, 23, 596-609.	3.1	166
18	Genetic Variation in the Patterns of Skeletal Progenitor Cell Differentiation and Progression During Endochondral Bone Formation Affects the Rate of Fracture Healing. Journal of Bone and Mineral Research, 2008, 23, 1204-1216.	3.1	53

#	ARTICLE	IF	CITATIONS
19	Molecular Mechanisms Controlling Bone Formation during Fracture Healing and Distraction Osteogenesis. <i>Journal of Dental Research</i> , 2008, 87, 107-118.	2.5	552
20	Combined effects of recombinant human BMP-7 (rhBMP-7) and parathyroid hormone (1 $\alpha$ -34) in metaphyseal bone healing. <i>Bone</i> , 2008, 43, 1031-1038.	1.4	48
21	Activation of the hypoxia-inducible factor-1 $\beta$ pathway accelerates bone regeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 686-691.	3.3	442
22	Healing of Segmental Bone Defects by Direct Percutaneous Gene Delivery: Effect of Vector Dose. <i>Human Gene Therapy</i> , 2007, 18, 907-915.	1.4	61
23	Autogenous regulation of a network of bone morphogenetic proteins (BMPs) mediates the osteogenic differentiation in murine marrow stromal cells. <i>Bone</i> , 2007, 40, 1389-1398.	1.4	82
24	Effects of OP-1 and PTH in a new experimental model for the study of metaphyseal bone healing. <i>Journal of Orthopaedic Research</i> , 2007, 25, 1193-1203.	1.2	51
25	Delayed administration of adenoviral BMP-2 vector improves the formation of bone in osseous defects. <i>Gene Therapy</i> , 2007, 14, 1039-1044.	2.3	110
26	Diminished Bone Formation During Diabetic Fracture Healing is Related to the Premature Resorption of Cartilage Associated With Increased Osteoclast Activity. <i>Journal of Bone and Mineral Research</i> , 2007, 22, 560-568.	3.1	210
27	Enhanced Chondrogenesis and Wnt Signaling in PTH-Treated Fractures. <i>Journal of Bone and Mineral Research</i> , 2007, 22, 1903-1912.	3.1	196
28	Expression and Role of Interleukin-6 in Distraction Osteogenesis. <i>Calcified Tissue International</i> , 2007, 80, 192-200.	1.5	61
29	BMP2 activity, although dispensable for bone formation, is required for the initiation of fracture healing. <i>Nature Genetics</i> , 2006, 38, 1424-1429.	9.4	708
30	Three-dimensional Reconstruction of Fracture Callus Morphogenesis. <i>Journal of Histochemistry and Cytochemistry</i> , 2006, 54, 1215-1228.	1.3	164
31	Application of Histomorphometric Methods to the Study of Bone Repair. <i>Journal of Bone and Mineral Research</i> , 2005, 20, 1715-1722.	3.1	140
32	Tumor necrosis factor alpha (TNF- $\alpha$ ) coordinately regulates the expression of specific matrix metalloproteinases (MMPS) and angiogenic factors during fracture healing. <i>Bone</i> , 2005, 36, 300-310.	1.4	145
33	Fidelity of Runx2 Activity in Breast Cancer Cells Is Required for the Generation of Metastases-Associated Osteolytic Disease. <i>Cancer Research</i> , 2004, 64, 4506-4513.	0.4	133
34	Increased VEGF Expression in the Epiphyseal Cartilage After Ischemic Necrosis of the Capital Femoral Epiphysis. <i>Journal of Bone and Mineral Research</i> , 2004, 19, 2041-2048.	3.1	46
35	The role of angiogenesis in a murine tibial model of distraction osteogenesis. <i>Bone</i> , 2004, 34, 849-861.	1.4	135
36	Absence of mouse pleiotrophin does not affect bone formation in vivo. <i>Bone</i> , 2004, 35, 1247-1255.	1.4	19

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37	COX inhibitors and their effects on bone healing. <i>Expert Opinion on Drug Safety</i> , 2004, 3, 131-6.	1.0	29
38	Impaired Fracture Healing in the Absence of TNF- $\alpha$ Signaling: The Role of TNF- $\alpha$ in Endochondral Cartilage Resorption. <i>Journal of Bone and Mineral Research</i> , 2003, 18, 1584-1592.	3.1	379
39	Fracture healing as a post-natal developmental process: Molecular, spatial, and temporal aspects of its regulation. <i>Journal of Cellular Biochemistry</i> , 2003, 88, 873-884.	1.2	1,073
40	BMP treatment of C3H10T1/2 mesenchymal stem cells induces both chondrogenesis and osteogenesis. <i>Journal of Cellular Biochemistry</i> , 2003, 90, 1112-1127.	1.2	194
41	Tumor necrosis factor $\alpha$ activation of the apoptotic cascade in murine articular chondrocytes is associated with the induction of metalloproteinases and specific pro-resorptive factors. <i>Arthritis and Rheumatism</i> , 2003, 48, 2845-2854.	6.7	28
42	Differential inhibition of fracture healing by non-selective and cyclooxygenase-2 selective non-steroidal anti-inflammatory drugs. <i>Journal of Orthopaedic Research</i> , 2003, 21, 670-675.	1.2	307
43	Expression of smooth muscle actin in cells involved in distraction osteogenesis in a rat model. <i>Journal of Orthopaedic Research</i> , 2003, 21, 20-27.	1.2	9
44	Expression of angiogenic factors during distraction osteogenesis. <i>Bone</i> , 2003, 33, 889-898.	1.4	178
45	Effects of the local mechanical environment on vertebrate tissue differentiation during repair: does repair recapitulate development?. <i>Journal of Experimental Biology</i> , 2003, 206, 2459-2471.	0.8	52
46	Expression of smooth muscle actin in connective tissue cells participating in fracture healing in a murine model. <i>Bone</i> , 2002, 30, 738-745.	1.4	31
47	Induction of a neoarthrosis by precisely controlled motion in an experimental mid-femoral defect. <i>Journal of Orthopaedic Research</i> , 2002, 20, 579-586.	1.2	56
48	Chondrocytes Provide Morphogenic Signals That Selectively Induce Osteogenic Differentiation of Mesenchymal Stem Cells. <i>Journal of Bone and Mineral Research</i> , 2002, 17, 221-230.	3.1	107
49	Differential Temporal Expression of Members of the Transforming Growth Factor $\beta$ Superfamily During Murine Fracture Healing. <i>Journal of Bone and Mineral Research</i> , 2002, 17, 513-520.	3.1	610
50	Induction of apoptosis in chondrocytes by tumor necrosis factor-alpha. <i>Journal of Orthopaedic Research</i> , 2001, 19, 785-796.	1.2	138
51	Expression of Osteoprotegerin, Receptor Activator of NF $\kappa$ B Ligand (Osteoprotegerin Ligand) and Related Proinflammatory Cytokines During Fracture Healing. <i>Journal of Bone and Mineral Research</i> , 2001, 16, 1004-1014.	3.1	480
52	Impaired Intramembranous Bone Formation during Bone Repair in the Absence of Tumor Necrosis Factor-Alpha Signaling. <i>Cells Tissues Organs</i> , 2001, 169, 285-294.	1.3	206
53	Growth Factor Regulation of Fracture Repair. <i>Journal of Bone and Mineral Research</i> , 1999, 14, 1805-1815.	3.1	416