

Frank Beier

List of Publications by Year in descending order

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Version: 2024-02-01

138
papers

6,666
citations

38660

50
h-index

74018

75
g-index

180
all docs

180
docs citations

180
times ranked

6986
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | RhoA/ROCK Signaling Regulates Sox9 Expression and Actin Organization during Chondrogenesis. <i>Journal of Biological Chemistry</i> , 2005, 280, 11626-11634. | 1.6 | 256 |
| 2 | Regulation of chondrocyte differentiation by the actin cytoskeleton and adhesive interactions. <i>Journal of Cellular Physiology</i> , 2007, 213, 1-8. | 2.0 | 227 |
| 3 | Cartilage biology in osteoarthritis—lessons from developmental biology. <i>Nature Reviews Rheumatology</i> , 2011, 7, 654-663. | 3.5 | 200 |
| 4 | RhoA/ROCK Signaling Regulates Chondrogenesis in a Context-dependent Manner. <i>Journal of Biological Chemistry</i> , 2006, 281, 13134-13140. | 1.6 | 161 |
| 5 | Mouse models of osteoarthritis: modelling risk factors and assessing outcomes. <i>Nature Reviews Rheumatology</i> , 2014, 10, 413-421. | 3.5 | 154 |
| 6 | MAP kinases in chondrocyte differentiation. <i>Developmental Biology</i> , 2003, 263, 165-175. | 0.9 | 143 |
| 7 | CCN2 Is Necessary for Adhesive Responses to Transforming Growth Factor- β 1 in Embryonic Fibroblasts. <i>Journal of Biological Chemistry</i> , 2006, 281, 10715-10726. | 1.6 | 140 |
| 8 | p38 MAP kinase signalling is required for hypertrophic chondrocyte differentiation. <i>Biochemical Journal</i> , 2004, 378, 53-62. | 1.7 | 128 |
| 9 | Early Changes of Articular Cartilage and Subchondral Bone in The DMM Mouse Model of Osteoarthritis. <i>Scientific Reports</i> , 2018, 8, 2855. | 1.6 | 128 |
| 10 | TGF β 2 and PTHrP Control Chondrocyte Proliferation by Activating Cyclin D1 Expression. <i>Molecular Biology of the Cell</i> , 2001, 12, 3852-3863. | 0.9 | 127 |
| 11 | Microarray Analyses of Gene Expression during Chondrocyte Differentiation Identifies Novel Regulators of Hypertrophy. <i>Molecular Biology of the Cell</i> , 2005, 16, 5316-5333. | 0.9 | 126 |
| 12 | Biology and pathology of Rho GTPase, PI3 kinase-Akt, and MAP kinase signaling pathways in chondrocytes. <i>Journal of Cellular Biochemistry</i> , 2010, 110, 573-580. | 1.2 | 121 |
| 13 | RhoA/ROCK Signaling Suppresses Hypertrophic Chondrocyte Differentiation. <i>Journal of Biological Chemistry</i> , 2004, 279, 13205-13214. | 1.6 | 116 |
| 14 | Forced mobilization accelerates pathogenesis: characterization of a preclinical surgical model of osteoarthritis. <i>Arthritis Research and Therapy</i> , 2007, 9, R13. | 1.6 | 115 |
| 15 | Chondrocyte hypertrophy in skeletal development, growth, and disease. <i>Birth Defects Research Part C: Embryo Today Reviews</i> , 2014, 102, 74-82. | 3.6 | 107 |
| 16 | Rho/ROCK and MEK/ERK activation by transforming growth factor- β 1 induces articular cartilage degradation. <i>Laboratory Investigation</i> , 2010, 90, 20-30. | 1.7 | 103 |
| 17 | Rac1 Signaling Stimulates N-cadherin Expression, Mesenchymal Condensation, and Chondrogenesis. <i>Journal of Biological Chemistry</i> , 2007, 282, 23500-23508. | 1.6 | 101 |
| 18 | Atrx deficiency induces telomere dysfunction, endocrine defects, and reduced life span. <i>Journal of Clinical Investigation</i> , 2013, 123, 2049-2063. | 3.9 | 99 |

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|----|--|-----|-----------|
| 19 | Rac1/Cdc42 and RhoA GTPases Antagonistically Regulate Chondrocyte Proliferation, Hypertrophy, and Apoptosis. <i>Journal of Bone and Mineral Research</i> , 2005, 20, 1022-1031. | 3.1 | 91 |
| 20 | Genetic ablation of Rac1 in cartilage results in chondrodysplasia. <i>Developmental Biology</i> , 2007, 306, 612-623. | 0.9 | 91 |
| 21 | Interplay between genetics and epigenetics in osteoarthritis. <i>Nature Reviews Rheumatology</i> , 2020, 16, 268-281. | 3.5 | 91 |
| 22 | p38 MAPK signaling during murine preimplantation development. <i>Developmental Biology</i> , 2004, 268, 76-88. | 0.9 | 90 |
| 23 | Cell-cycle control and the cartilage growth plate. <i>Journal of Cellular Physiology</i> , 2005, 202, 1-8. | 2.0 | 85 |
| 24 | The PI3K pathway regulates endochondral bone growth through control of hypertrophic chondrocyte differentiation. <i>BMC Developmental Biology</i> , 2008, 8, 40. | 2.1 | 85 |
| 25 | The Raf-1/MEK/ERK Pathway Regulates the Expression of the p21Cip1/Waf1 Gene in Chondrocytes. <i>Journal of Biological Chemistry</i> , 1999, 274, 30273-30279. | 1.6 | 84 |
| 26 | The role of Akt1 in terminal stages of endochondral bone formation: Angiogenesis and ossification. <i>Bone</i> , 2009, 45, 1133-1145. | 1.4 | 84 |
| 27 | The Critical Role of the Epidermal Growth Factor Receptor in Endochondral Ossification. <i>Journal of Bone and Mineral Research</i> , 2011, 26, 2622-2633. | 3.1 | 84 |
| 28 | Targeting cartilage EGFR pathway for osteoarthritis treatment. <i>Science Translational Medicine</i> , 2021, 13, . | 5.8 | 83 |
| 29 | C-type natriuretic peptide regulates endochondral bone growth through p38 MAP kinase-dependent and " independent pathways. <i>BMC Developmental Biology</i> , 2007, 7, 18. | 2.1 | 79 |
| 30 | The transcription factor ATF3 is upregulated during chondrocyte differentiation and represses cyclin D1 and A gene transcription. <i>BMC Molecular Biology</i> , 2006, 7, 30. | 3.0 | 78 |
| 31 | Activating Transcription Factor 2 Is Necessary for Maximal Activity and Serum Induction of the Cyclin A Promoter in Chondrocytes. <i>Journal of Biological Chemistry</i> , 2000, 275, 12948-12953. | 1.6 | 68 |
| 32 | Transforming growth factor β suppression of articular chondrocyte phenotype and <i>Sox9</i> expression in a rat model of osteoarthritis. <i>Arthritis and Rheumatism</i> , 2007, 56, 3693-3705. | 6.7 | 68 |
| 33 | Emerging Frontiers in cartilage and chondrocyte biology. <i>Best Practice and Research in Clinical Rheumatology</i> , 2011, 25, 751-766. | 1.4 | 64 |
| 34 | ADAMTS-7 forms a positive feedback loop with TNF- β in the pathogenesis of osteoarthritis. <i>Annals of the Rheumatic Diseases</i> , 2014, 73, 1575-1584. | 0.5 | 64 |
| 35 | Expression profiling of Dexamethasone-treated primary chondrocytes identifies targets of glucocorticoid signalling in endochondral bone development. <i>BMC Genomics</i> , 2007, 8, 205. | 1.2 | 63 |
| 36 | Adult Cartilage-Specific Peroxisome Proliferator-Activated Receptor Gamma Knockout Mice Exhibit the Spontaneous Osteoarthritis Phenotype. <i>American Journal of Pathology</i> , 2013, 182, 1099-1106. | 1.9 | 63 |

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|----|--|------|-----------|
| 37 | Reduction in Disease Progression by Inhibition of Transforming Growth Factor β 1/CCL2 Signaling in Experimental Posttraumatic Osteoarthritis. <i>Arthritis and Rheumatology</i> , 2015, 67, 2691-2701. | 2.9 | 61 |
| 38 | Nitric oxide, C-type natriuretic peptide and cGMP as regulators of endochondral ossification. <i>Developmental Biology</i> , 2008, 319, 171-178. | 0.9 | 60 |
| 39 | Transforming growth factor alpha controls the transition from hypertrophic cartilage to bone during endochondral bone growth. <i>Bone</i> , 2012, 51, 131-141. | 1.4 | 60 |
| 40 | An in vivo investigation of the initiation and progression of subchondral cysts in a rodent model of secondary osteoarthritis. <i>Arthritis Research and Therapy</i> , 2012, 14, R26. | 1.6 | 60 |
| 41 | Characterization of Human Type X Procollagen and Its NC-1 Domain Expressed as Recombinant Proteins in HEK293 Cells. <i>Journal of Biological Chemistry</i> , 1998, 273, 4547-4555. | 1.6 | 59 |
| 42 | Recent developments in emerging therapeutic targets of osteoarthritis. <i>Current Opinion in Rheumatology</i> , 2017, 29, 96-102. | 2.0 | 57 |
| 43 | Aggrecan, a neuroregulatory protein, is upregulated in osteoarthritis and regulates cartilage metabolism via TGF β 2 activation. <i>FASEB Journal</i> , 2009, 23, 79-89. | 0.2 | 56 |
| 44 | TGF β 2 and osteoarthritis—the good and the bad. <i>Nature Medicine</i> , 2013, 19, 667-669. | 15.2 | 56 |
| 45 | Repeated Exposure to High-Frequency Low-Amplitude Vibration Induces Degeneration of Murine Intervertebral Discs and Knee Joints. <i>Arthritis and Rheumatology</i> , 2015, 67, 2164-2175. | 2.9 | 56 |
| 46 | Elevated expression of periostin in human osteoarthritic cartilage and its potential role in matrix degradation via matrix metalloproteinase-13. <i>FASEB Journal</i> , 2015, 29, 4107-4121. | 0.2 | 56 |
| 47 | Targeting oxidative stress to reduce osteoarthritis. <i>Arthritis Research and Therapy</i> , 2016, 18, 32. | 1.6 | 56 |
| 48 | Time-series transcriptional profiling yields new perspectives on susceptibility to murine osteoarthritis. <i>Arthritis and Rheumatism</i> , 2012, 64, 3256-3266. | 6.7 | 54 |
| 49 | Genomic organization and full-length cDNA sequence of human collagen X. <i>FEBS Letters</i> , 1992, 311, 305-310. | 1.3 | 53 |
| 50 | The Pattern Recognition Receptor CD36 Is a Chondrocyte Hypertrophy Marker Associated with Suppression of Catabolic Responses and Promotion of Repair Responses to Inflammatory Stimuli. <i>Journal of Immunology</i> , 2009, 182, 5024-5031. | 0.4 | 53 |
| 51 | Association of cartilage-specific deletion of peroxisome proliferator-activated receptor β 3 with abnormal endochondral ossification and impaired cartilage growth and development in a murine model. <i>Arthritis and Rheumatism</i> , 2012, 64, 1551-1561. | 6.7 | 53 |
| 52 | Deletion of Panx3 Prevents the Development of Surgically Induced Osteoarthritis. <i>Journal of Molecular Medicine</i> , 2015, 93, 845-856. | 1.7 | 53 |
| 53 | Transcriptional regulators of chondrocyte hypertrophy. <i>Birth Defects Research Part C: Embryo Today Reviews</i> , 2008, 84, 123-130. | 3.6 | 49 |
| 54 | Focal Adhesion Kinase/Src Suppresses Early Chondrogenesis. <i>Journal of Biological Chemistry</i> , 2008, 283, 9239-9247. | 1.6 | 49 |

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|----|---|-----|-----------|
| 55 | Cartilage-specific deletion of Mig-6 results in osteoarthritis-like disorder with excessive articular chondrocyte proliferation. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 2590-2595. | 3.3 | 49 |
| 56 | p38 MAP kinase signaling is necessary for rat chondrosarcoma cell proliferation. Oncogene, 2004, 23, 3726-3731. | 2.6 | 47 |
| 57 | Disturbed Cartilage and Joint Homeostasis Resulting From a Loss of Mitogen-Inducible Gene 6 in a Mouse Model of Joint Dysfunction. Arthritis and Rheumatology, 2014, 66, 2816-2827. | 2.9 | 47 |
| 58 | Reduced EGFR signaling enhances cartilage destruction in a mouse osteoarthritis model. Bone Research, 2014, 2, 14015. | 5.4 | 47 |
| 59 | Genome-Wide Analyses of Gene Expression during Mouse Endochondral Ossification. PLoS ONE, 2010, 5, e8693. | 1.1 | 47 |
| 60 | Role of Interleukin-10 in Endochondral Bone Formation in Mice: Anabolic Effect via the Bone Morphogenetic Protein/Smad Pathway. Arthritis and Rheumatism, 2013, 65, 3153-3164. | 6.7 | 45 |
| 61 | Osteopontin mediates mineralization and not osteogenic cell development <i>in vitro</i> . Biochemical Journal, 2014, 464, 355-364. | 1.7 | 44 |
| 62 | Loss of bone sialoprotein leads to impaired endochondral bone development and mineralization. Bone, 2015, 71, 145-154. | 1.4 | 44 |
| 63 | Cell cycle genes in chondrocyte proliferation and differentiation. Matrix Biology, 1999, 18, 109-120. | 1.5 | 43 |
| 64 | Role of c-fos in the regulation of type X collagen gene expression by PTH and PTHrP: Localization of a PTH/PTHrP-responsive region in the human COL10A1 enhancer. Journal of Cellular Biochemistry, 2002, 86, 688-699. | 1.2 | 43 |
| 65 | The Cyclin D1 and Cyclin A Genes Are Targets of Activated PTH/PTHrP Receptors in Jansen's Metaphyseal Chondrodysplasia. Molecular Endocrinology, 2002, 16, 2163-2173. | 3.7 | 40 |
| 66 | C-Type Natriuretic Peptide Regulates Cellular Condensation and Glycosaminoglycan Synthesis during Chondrogenesis. Endocrinology, 2007, 148, 5030-5041. | 1.4 | 40 |
| 67 | The retinoic acid binding protein CRABP2 is increased in murine models of degenerative joint disease. Arthritis Research and Therapy, 2009, 11, R14. | 1.6 | 40 |
| 68 | ECM signaling in cartilage development and endochondral ossification. Current Topics in Developmental Biology, 2019, 133, 25-47. | 1.0 | 38 |
| 69 | Molecular and Histological Analysis of a New Rat Model of Experimental Knee Osteoarthritis. Annals of the New York Academy of Sciences, 2007, 1117, 165-174. | 1.8 | 37 |
| 70 | Upregulation of type X collagen expression in osteoarthritic cartilage. Acta Orthopaedica, 1995, 66, 125-129. | 1.4 | 36 |
| 71 | EGFR Signaling: Friend or Foe for Cartilage?. JBMR Plus, 2019, 3, e10177. | 1.3 | 36 |
| 72 | Src kinase inhibition promotes the chondrocyte phenotype. Arthritis Research and Therapy, 2007, 9, R105. | 1.6 | 35 |

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|----|---|-----|-----------|
| 73 | Localization of silencer and enhancer elements in the human type X collagen gene. <i>Journal of Cellular Biochemistry</i> , 1997, 66, 210-218. | 1.2 | 34 |
| 74 | Human stanniocalcin-1 or -2 expressed in mice reduces bone size and severely inhibits cranial intramembranous bone growth. <i>Transgenic Research</i> , 2010, 19, 1017-1039. | 1.3 | 34 |
| 75 | Type X collagen expression and hypertrophic differentiation in chondrogenic neoplasias. <i>Histochemistry and Cell Biology</i> , 1997, 107, 435-440. | 0.8 | 33 |
| 76 | Nuclear receptors regulate lipid metabolism and oxidative stress markers in chondrocytes. <i>Journal of Molecular Medicine</i> , 2017, 95, 431-444. | 1.7 | 32 |
| 77 | Control of chondrocyte gene expression by actin dynamics: a novel role of cholesterol/Ror-1 signaling in endochondral bone growth. <i>Journal of Cellular and Molecular Medicine</i> , 0, 13, 3497-3516. | 1.6 | 31 |
| 78 | Inhibition of p38 MAPK signaling in chondrocyte cultures results in enhanced osteogenic differentiation of perichondral cells. <i>Experimental Cell Research</i> , 2007, 313, 146-155. | 1.2 | 30 |
| 79 | Global deletion of <i>Panx3</i> produces multiple phenotypic effects in mouse humeri and femora. <i>Journal of Anatomy</i> , 2016, 228, 746-756. | 0.9 | 30 |
| 80 | Regulator of G-protein signaling (RGS) proteins differentially control chondrocyte differentiation. <i>Journal of Cellular Physiology</i> , 2006, 207, 735-745. | 2.0 | 29 |
| 81 | Loss of ATRX in Chondrocytes Has Minimal Effects on Skeletal Development. <i>PLoS ONE</i> , 2009, 4, e7106. | 1.1 | 29 |
| 82 | Control of chondrocyte gene expression by actin dynamics: a novel role of cholesterol/Ror-1 signaling in endochondral bone growth. <i>Journal of Cellular and Molecular Medicine</i> , 2009, 13, 3497-3516. | 1.6 | 29 |
| 83 | Endothelial nitric oxide synthase deficiency in mice results in reduced chondrocyte proliferation and endochondral bone growth. <i>Arthritis and Rheumatism</i> , 2010, 62, 2013-2022. | 6.7 | 29 |
| 84 | Activating transcription factor 2 controls Bcl-2 promoter activity in growth plate chondrocytes. <i>Journal of Cellular Biochemistry</i> , 2007, 101, 477-487. | 1.2 | 28 |
| 85 | Loss of the Mammalian DREAM Complex Deregulates Chondrocyte Proliferation. <i>Molecular and Cellular Biology</i> , 2014, 34, 2221-2234. | 1.1 | 28 |
| 86 | Novel Insights into Osteoarthritis Joint Pathology from Studies in Mice. <i>Current Rheumatology Reports</i> , 2015, 17, 50. | 2.1 | 27 |
| 87 | Context-specific protection of TGF- β null mice from osteoarthritis. <i>Scientific Reports</i> , 2016, 6, 30434. | 1.6 | 27 |
| 88 | Regulation of Gene Expression by PI3K in Mouse Growth Plate Chondrocytes. <i>PLoS ONE</i> , 2010, 5, e8866. | 1.1 | 25 |
| 89 | Inducible nitric oxide synthase-mediated nitric oxide signaling mediates the mitogenic activity of Rac1 during endochondral bone growth. <i>Journal of Cell Science</i> , 2011, 124, 3405-3413. | 1.2 | 24 |
| 90 | Choline kinase beta is required for normal endochondral bone formation. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014, 1840, 2112-2122. | 1.1 | 24 |

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|-----|--|-----|-----------|
| 91 | F-Spondin Deficient Mice Have a High Bone Mass Phenotype. PLoS ONE, 2014, 9, e98388. | 1.1 | 22 |
| 92 | Targeted loss of the ATR-X syndrome protein in the limb mesenchyme of mice causes brachydactyly. Human Molecular Genetics, 2013, 22, 5015-5025. | 1.4 | 19 |
| 93 | Variability in the upstream promoter and intron sequences of the human, mouse and chick type X collagen genes. Matrix Biology, 1996, 15, 415-422. | 1.5 | 18 |
| 94 | Raf signaling stimulates and represses the human collagen X promoter through distinguishable elements. , 1999, 72, 549-557. | | 18 |
| 95 | Rac1 activation induces tumour necrosis factor- α expression and cardiac dysfunction in endotoxemia. Journal of Cellular and Molecular Medicine, 2011, 15, 1109-1121. | 1.6 | 18 |
| 96 | The CPPDD-Associated <i>ANKH M48T</i> Mutation Interrupts the Interaction of ANKH with the Sodium/Phosphate Cotransporter PiT-1. Journal of Rheumatology, 2009, 36, 1265-1272. | 1.0 | 17 |
| 97 | The role of bone sialoprotein in the tendon-bone insertion. Matrix Biology, 2016, 52-54, 325-338. | 1.5 | 17 |
| 98 | Poly(ester amide) particles for controlled delivery of celecoxib. Journal of Biomedical Materials Research - Part A, 2019, 107, 1235-1243. | 2.1 | 17 |
| 99 | Dicam promotes proliferation and maturation of chondrocyte through Indian hedgehog signaling in primary cilia. Osteoarthritis and Cartilage, 2018, 26, 945-953. | 0.6 | 16 |
| 100 | Mosaic expression of Atrx in the central nervous system causes memory deficits. DMM Disease Models and Mechanisms, 2017, 10, 119-126. | 1.2 | 15 |
| 101 | Thermoresponsive and Covalently Cross-Linkable Hydrogels for Intra-Articular Drug Delivery. ACS Applied Bio Materials, 2019, 2, 3498-3507. | 2.3 | 14 |
| 102 | Serum Induction of the Collagen X Promoter Requires the Raf/MEK/ERK and p38 Pathways. Biochemical and Biophysical Research Communications, 1999, 262, 50-54. | 1.0 | 13 |
| 103 | Dexamethasone stimulates expression of C-type Natriuretic Peptide in chondrocytes. BMC Musculoskeletal Disorders, 2006, 7, 87. | 0.8 | 13 |
| 104 | Transforming growth factor- α induces endothelin receptor A expression in osteoarthritis. Journal of Orthopaedic Research, 2012, 30, 1391-1397. | 1.2 | 13 |
| 105 | EGFR Signaling Is Required for Maintaining Adult Cartilage Homeostasis and Attenuating Osteoarthritis Progression. Journal of Bone and Mineral Research, 2020, 37, 1012-1023. | 3.1 | 13 |
| 106 | Rho-ROCK signaling differentially regulates chondrocyte spreading on fibronectin and bone sialoprotein. American Journal of Physiology - Cell Physiology, 2008, 295, C38-C49. | 2.1 | 12 |
| 107 | PPAR β expression in growth plate chondrocytes is regulated by p38 and GSK-3. Journal of Cellular and Molecular Medicine, 2010, 14, 242-256. | 1.6 | 12 |
| 108 | The Role of Panx3 in Age-Associated and Injury-Induced Intervertebral Disc Degeneration. International Journal of Molecular Sciences, 2021, 22, 1080. | 1.8 | 10 |

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|-----|---|-----|-----------|
| 109 | THE ROLE OF ACTIVATING TRANSCRIPTION FACTOR-2 IN SKELETAL GROWTH CONTROL. <i>Journal of Bone and Joint Surgery - Series A</i> , 2003, 85, 133-136. | 1.4 | 10 |
| 110 | Nuclear receptors as potential drug targets in osteoarthritis. <i>Current Opinion in Pharmacology</i> , 2018, 40, 81-86. | 1.7 | 9 |
| 111 | Polymer particles for the intra-articular delivery of drugs to treat osteoarthritis. <i>Biomedical Materials (Bristol)</i> , 2021, 16, 042006. | 1.7 | 9 |
| 112 | Is there such a thing as a cartilage-specific knockout mouse?. <i>Nature Reviews Rheumatology</i> , 2014, 10, 702-704. | 3.5 | 8 |
| 113 | Overexpression of MIG-6 in the cartilage induces an osteoarthritis-like phenotype in mice. <i>Arthritis Research and Therapy</i> , 2020, 22, 119. | 1.6 | 8 |
| 114 | Pannexin 3 deletion reduces fat accumulation and inflammation in a sex-specific manner. <i>International Journal of Obesity</i> , 2022, 46, 726-738. | 1.6 | 8 |
| 115 | Deletion of Dual Specificity Phosphatase 1 Does Not Predispose Mice to Increased Spontaneous Osteoarthritis. <i>PLoS ONE</i> , 2015, 10, e0142822. | 1.1 | 7 |
| 116 | Rac1 Dosage Is Crucial for Normal Endochondral Bone Growth. <i>Endocrinology</i> , 2017, 158, 3386-3398. | 1.4 | 7 |
| 117 | Exposure to the RXR Agonist SR11237 in Early Life Causes Disturbed Skeletal Morphogenesis in a Rat Model. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5198. | 1.8 | 7 |
| 118 | Glycogen synthase kinase 3 alpha/beta deletion induces precocious growth plate remodeling in mice. <i>Journal of Molecular Medicine</i> , 2021, 99, 831-844. | 1.7 | 7 |
| 119 | Expansion of myeloid-derived suppressor cells contributes to metabolic osteoarthritis through subchondral bone remodeling. <i>Arthritis Research and Therapy</i> , 2021, 23, 287. | 1.6 | 7 |
| 120 | The first international workshop on the epigenetics of osteoarthritis. <i>Connective Tissue Research</i> , 2017, 58, 37-48. | 1.1 | 6 |
| 121 | An approach towards accountability: suggestions for increased reproducibility in surgical destabilization of medial meniscus (DMM) models. <i>Osteoarthritis and Cartilage</i> , 2017, 25, 1747-1750. | 0.6 | 6 |
| 122 | Diet-induced obesity leads to behavioral indicators of pain preceding structural joint damage in wild-type mice. <i>Arthritis Research and Therapy</i> , 2021, 23, 93. | 1.6 | 6 |
| 123 | GSK3787-Loaded Poly(Ester Amide) Particles for Intra-Articular Drug Delivery. <i>Polymers</i> , 2020, 12, 736. | 2.0 | 5 |
| 124 | Identification of the putative collagen X gene from the pufferfish <i>Fugu rubripes</i> . <i>Gene</i> , 2004, 342, 77-83. | 1.0 | 4 |
| 125 | Loss of ATRX Does Not Confer Susceptibility to Osteoarthritis. <i>PLoS ONE</i> , 2013, 8, e85526. | 1.1 | 4 |
| 126 | Liver X Receptor activation regulates genes involved in lipid homeostasis in developing chondrocytes. <i>Osteoarthritis and Cartilage Open</i> , 2020, 2, 100030. | 0.9 | 4 |

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|-----|---|-----|-----------|
| 127 | A top-notch dilemma: The complex role of NOTCH signaling in osteoarthritis. <i>Science Signaling</i> , 2015, 8, fs14. | 1.6 | 2 |
| 128 | Cholesterol and cartilage do not mix well. <i>Nature Reviews Rheumatology</i> , 2019, 15, 253-254. | 3.5 | 2 |
| 129 | Keep your Sox on, chondrocytes!. <i>Nature Reviews Rheumatology</i> , 2021, 17, 383-384. | 3.5 | 2 |
| 130 | Quantification of joint blood flow by dynamic contrast-enhanced near-infrared spectroscopy: application to monitoring disease activity in a rat model of rheumatoid arthritis. <i>Journal of Biomedical Optics</i> , 2020, 25, 1. | 1.4 | 2 |
| 131 | Inactivation of hepatic ATRX in <i>Atrx Foxg1cre</i> mice prevents reversal of aging-like phenotypes by thyroxine. <i>Aging</i> , 2018, 10, 1223-1238. | 1.4 | 2 |
| 132 | Skeletal development and regeneration. <i>Current Opinion in Orthopaedics</i> , 1999, 10, 466-471. | 0.3 | 1 |
| 133 | Quantifying joint blood flow in a rat model of rheumatoid arthritis with dynamic contrast-enhanced near-infrared spectroscopy. , 2019, , . | | 1 |
| 134 | A Na ⁺ /K ⁺ ATPase Pump Regulates Chondrocyte Differentiation and Bone Length Variation in Mice. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 708384. | 1.8 | 1 |
| 135 | Editorial: Changes in Messenger RNA Stability in Chondrocytes: There's More to Osteoarthritis Than Transcription. <i>Arthritis and Rheumatology</i> , 2014, 66, 2921-2923. | 2.9 | 0 |
| 136 | Cartilage Differentiation and the Actin Cytoskeleton. , 2016, , 253-267. | | 0 |
| 137 | Genetic Deletion of Interleukin-15 Is Not Associated with Major Structural Changes Following Experimental Post-Traumatic Knee Osteoarthritis in Rats. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7118. | 1.3 | 0 |
| 138 | Endothelial Pannexin 3 " B Cell Lymphoma" Interactions Protect Against Oxidative Stress. <i>FASEB Journal</i> , 2022, 36, . | 0.2 | 0 |