Kristen A Johnson

List of Publications by Year in descending order

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| # | Article | IF | CITATIONS |
|----|---|-------------------|-------------------|
| 1 | Amyloidogenic immunoglobulin light chain kinetic stabilizers comprising a simple urea linker module reveal a novel binding sub-site. Bioorganic and Medicinal Chemistry Letters, 2022, 60, 128571. | 2.2 | 5 |
| 2 | Antitumor activity of a systemic STING-activating non-nucleotide cGAMP mimetic. Science, 2020, 369, 993-999. | 12.6 | 259 |
| 3 | Decarboxylative borylation. Science, 2017, 356, . | 12.6 | 312 |
| 4 | Rational design of a Kv1.3 channel-blocking antibody as a selective immunosuppressant. Proceedings of the United States of America, 2016, 113, 11501-11506. | 7.1 | 27 |
| 5 | A Stem Cell–Based Approach to Cartilage Repair. Science, 2012, 336, 717-721. | 12.6 | 614 |
| 6 | Regenerative phenotype in mice with a point mutation in transforming growth factor Î ² type I receptor () Tj ETQqC 108, 14560-14565. |) 0 0 rgBT 7.1 | /Overlock 1 36 |
| 7 | Inorganic pyrophosphatase induces type I collagen in osteoblasts. Bone, 2010, 46, 81-90. | 2.9 | 48 |
| 8 | Osteopontin Is Required for the Early Onset of High Fat Diet-Induced Insulin Resistance in Mice. PLoS ONE, 2010, 5, e13959. | 2.5 | 71 |
| 9 | Vanin-1 Pantetheinase Drives Increased Chondrogenic Potential of Mesenchymal Precursors in ank/ank Mice. American Journal of Pathology, 2008, 172, 440-453. | 3.8 | 24 |
| 10 | Factor XIIIA mobilizes transglutaminase 2 to induce chondrocyte hypertrophic differentiation. Journal of Cell Science, 2008, 121, 2256-2264. | 2.0 | 42 |
| 11 | Transglutaminase 2 Is Central to Induction of the Arterial Calcification Program by Smooth Muscle Cells. Circulation Research, 2008, 102, 529-537. | 4.5 | 90 |
| 12 | Novel Mouse Model of Autosomal Semidominant Adult Hypophosphatasia Has a Splice Site Mutation in the Tissue Nonspecific Alkaline Phosphatase Gene Akp2. Journal of Bone and Mineral Research, 2007, 22, 1397-1407. | 2.8 | 34 |
| 13 | Up-Regulated Expression of the CXCR2 Ligand KC/GRO-α in Atherosclerotic Lesions Plays a Central Role in Macrophage Accumulation and Lesion Progression. American Journal of Pathology, 2006, 168, 1385-1395. | 3.8 | 177 |
| 14 | Elevated Skeletal Osteopontin Levels Contribute to the Hypophosphatasia Phenotype in <i>Akp2</i> â^'/â^' Mice. Journal of Bone and Mineral Research, 2006, 21, 1377-1386. | 2.8 | 101 |
| 15 | Transglutaminase 2 limits murine peritoneal acute gout-like inflammation by regulating macrophage clearance of apoptotic neutrophils. Arthritis and Rheumatism, 2006, 54, 3363-3371. | 6.7 | 47 |
| 16 | Association of sporadic chondrocalcinosis with a ?4-basepair C-to-A transition in the 5?-untranslated region of Region ofANKH that promotes enhanced expression of ANKH protein and excess generation of extracellular inorganic pyrophosphate. Arthritis and Rheumatism, 2005, 52, 1110-1117. | 6.7 | 77 |
| 17 | Inorganic pyrophosphate (PPI) in pathologic calcification of articular cartilage. Frontiers in Bioscience - Landmark, 2005, 10, 988. | 3.0 | 53 |
| 18 | Increased Hepatic Levels of the Insulin Receptor Inhibitor, PC-1/NPP1, Induce Insulin Resistance and Glucose Intolerance. Diabetes, 2005, 54, 367-372. | 0.6 | 82 |

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|----|---|-----|-----------|
| 19 | External GTP-bound Transglutaminase 2 Is a Molecular Switch for Chondrocyte Hypertrophic Differentiation and Calcification. Journal of Biological Chemistry, 2005, 280, 15004-15012. | 3.4 | 72 |
| 20 | Chondrogenesis Mediated by PP _i Depletion Promotes Spontaneous Aortic Calcification in NPP1â^'/â^ Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2005, 25, 686-691. | 2.4 | 166 |
| 21 | Inflammation-Induced Chondrocyte Hypertrophy Is Driven by Receptor for Advanced Glycation End Products. Journal of Immunology, 2005, 175, 8296-8302. | 0.8 | 163 |
| 22 | Sustained Osteomalacia of Long Bones Despite Major Improvement in Other Hypophosphatasia-Related Mineral Deficits in Tissue Nonspecific Alkaline Phosphatase/Nucleotide Pyrophosphatase Phosphodiesterase 1 Double-Deficient Mice. American Journal of Pathology, 2005, 166, 1711-1720. | 3.8 | 116 |
| 23 | Mediation of spontaneous knee osteoarthritis by progressive chondrocyte ATP depletion in Hartley guinea pigs. Arthritis and Rheumatism, 2004, 50, 1216-1225. | 6.7 | 90 |
| 24 | Concerted Regulation of Inorganic Pyrophosphate and Osteopontin by Akp2, Enpp1, and Ank. American Journal of Pathology, 2004, 164, 1199-1209. | 3.8 | 450 |
| 25 | Linked Deficiencies in Extracellular PPi and Osteopontin Mediate Pathologic Calcification Associated With Defective PC-1 and ANK Expression. Journal of Bone and Mineral Research, 2003, 18, 994-1004. | 2.8 | 184 |
| 26 | One of two chondrocyte-expressed isoforms of cartilage intermediate-layer protein functions as an insulin-like growth factor 1 antagonist. Arthritis and Rheumatism, 2003, 48, 1302-1314. | 6.7 | 60 |
| 27 | Distinct Transglutaminase 2-independent and Transglutaminase 2-dependent Pathways Mediate Articular Chondrocyte Hypertrophy. Journal of Biological Chemistry, 2003, 278, 18824-18832. | 3.4 | 77 |
| 28 | IL-8/CXCL8 and Growth-Related Oncogene α/CXCL1 Induce Chondrocyte Hypertrophic Differentiation. Journal of Immunology, 2003, 171, 4406-4415. | 0.8 | 167 |
| 29 | Tissue-nonspecific alkaline phosphatase and plasma cell membrane glycoprotein-1 are central antagonistic regulators of bone mineralization. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 9445-9449. | 7.1 | 756 |
| 30 | Invited review: the mitochondrion in osteoarthritis. Mitochondrion, 2002, 1, 301-319. | 3.4 | 112 |
| 31 | Interleukin-1 Induces Pro-Mineralizing Activity of Cartilage Tissue Transglutaminase and Factor XIIIa. American Journal of Pathology, 2001, 159, 149-163. | 3.8 | 123 |
| 32 | PC-1 Nucleoside Triphosphate Pyrophosphohydrolase Deficiency in Idiopathic Infantile Arterial Calcification. American Journal of Pathology, 2001, 158, 543-554. | 3.8 | 275 |
| 33 | Up-regulated expression of the phosphodiesterase nucleotide pyrophosphatase family member PC-1 is a marker and pathogenic factor for knee meniscal cartilage matrix calcification. Arthritis and Rheumatism, 2001, 44, 1071-1081. | 6.7 | 145 |
| 34 | Extracellular signal–regulated kinase 1/extracellular signal–regulated kinase 2 mitogen-activated protein kinase signaling and activation of activator protein 1 and nuclear factor κB transcription factors play central roles in interleukin-8 expression stimulated by monosodium urate monohydrate and calcium pyrophosphate crystals in monocytic cells. Arthritis and Rheumatism, 2000, 43, 1145. | 6.7 | 112 |
| 35 | Mitochondrial oxidative phosphorylation is a downstream regulator of nitric oxide effects on chondrocyte matrix synthesis and mineralization. Arthritis and Rheumatism, 2000, 43, 1560-1570. | 6.7 | 172 |
| 36 | Mitochondrial oxidative phosphorylation is a downstream regulator of nitric oxide effects on chondrocyte matrix synthesis and mineralization. Arthritis and Rheumatism, 2000, 43, 1560. | 6.7 | 2 |

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| 37 | Matrix Vesicle Plasma Cell Membrane Glycoprotein-1 Regulates Mineralization by Murine Osteoblastic MC3T3 Cells. Journal of Bone and Mineral Research, 1999, 14, 883-892. | 2.8 | 120 |
| 38 | Differential mechanisms of inorganic pyrophosphate production by plasma cell membrane glycoprotein-1 and B10 in chondrocytes. Arthritis and Rheumatism, 1999, 42, 1986-1997. | 6.7 | 120 |
| 39 | Bone Morphogenetic Proteins and bFGF Exert Opposing Regulatory Effects on PTHrP Expression and Inorganic Pyrophosphate Elaboration in Immortalized Murine Endochondral Hypertrophic Chondrocytes (MCT Cells). Journal of Bone and Mineral Research, 1998, 13, 931-941. | 2.8 | 43 |
| 40 | Parathyroid hormone-related protein is abundant in osteoarthritic cartilage, and the parathyroid hormone-related protein 1-173 isoform is selectively induced by transforming growth factor ? in articular chondrocytes and suppresses generation of extracellular inorganic pyrophosphate. Arthritis and Rheumatism, 1998, 41, 2152-2164. | 6.7 | 69 |
| 41 | Parathyroid hormone-related protein is abundant in osteoarthritic cartilage, and the parathyroid hormone-related protein 1-173 isoform is selectively induced by transforming growth factor Î ² in articular chondrocytes and suppresses generation of extracellular inorganic pyrophosphate. Arthritis and Rheumatism, 1998, 41, 2152-2164. | 6.7 | 1 |