

# Kristen A Johnson

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7558365/publications.pdf>

Version: 2024-02-01

41  
papers

5,694  
citations

134610

34  
h-index

325983

40  
g-index

41  
all docs

41  
docs citations

41  
times ranked

6671  
citing authors

#	ARTICLE	IF	CITATIONS
1	Amyloidogenic immunoglobulin light chain kinetic stabilizers comprising a simple urea linker module reveal a novel binding sub-site. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2022, 60, 128571.	1.0	5
2	Antitumor activity of a systemic STING-activating non-nucleotide cGAMP mimetic. <i>Science</i> , 2020, 369, 993-999.	6.0	259
3	Decarboxylative borylation. <i>Science</i> , 2017, 356, .	6.0	312
4	Rational design of a Kv1.3 channel-blocking antibody as a selective immunosuppressant. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 11501-11506.	3.3	27
5	A Stem Cell-Based Approach to Cartilage Repair. <i>Science</i> , 2012, 336, 717-721.	6.0	614
6	Regenerative phenotype in mice with a point mutation in transforming growth factor $\beta$ type I receptor ( $\beta$ 1-Tgfr) overlock 108, 14560-14565.	3.3	36
7	Inorganic pyrophosphatase induces type I collagen in osteoblasts. <i>Bone</i> , 2010, 46, 81-90.	1.4	48
8	Osteopontin Is Required for the Early Onset of High Fat Diet-Induced Insulin Resistance in Mice. <i>PLoS ONE</i> , 2010, 5, e13959.	1.1	71
9	Vanin-1 Pantetheinase Drives Increased Chondrogenic Potential of Mesenchymal Precursors in ank/ank Mice. <i>American Journal of Pathology</i> , 2008, 172, 440-453.	1.9	24
10	Factor XIIIa mobilizes transglutaminase 2 to induce chondrocyte hypertrophic differentiation. <i>Journal of Cell Science</i> , 2008, 121, 2256-2264.	1.2	42
11	Transglutaminase 2 Is Central to Induction of the Arterial Calcification Program by Smooth Muscle Cells. <i>Circulation Research</i> , 2008, 102, 529-537.	2.0	90
12	Novel Mouse Model of Autosomal Semidominant Adult Hypophosphatasia Has a Splice Site Mutation in the Tissue Nonspecific Alkaline Phosphatase Gene <i>Akp2</i> . <i>Journal of Bone and Mineral Research</i> , 2007, 22, 1397-1407.	3.1	34
13	Up-Regulated Expression of the CXCR2 Ligand KC/GRO- $\alpha$ in Atherosclerotic Lesions Plays a Central Role in Macrophage Accumulation and Lesion Progression. <i>American Journal of Pathology</i> , 2006, 168, 1385-1395.	1.9	177
14	Elevated Skeletal Osteopontin Levels Contribute to the Hypophosphatasia Phenotype in <i>Akp2</i> <sup>+/+</sup> Mice. <i>Journal of Bone and Mineral Research</i> , 2006, 21, 1377-1386.	3.1	101
15	Transglutaminase 2 limits murine peritoneal acute gout-like inflammation by regulating macrophage clearance of apoptotic neutrophils. <i>Arthritis and Rheumatism</i> , 2006, 54, 3363-3371.	6.7	47
16	Association of sporadic chondrocalcinosis with a 74-basepair G-to-A transition in the 5'-untranslated region of ANKH that promotes enhanced expression of ANKH protein and excess generation of extracellular inorganic pyrophosphate. <i>Arthritis and Rheumatism</i> , 2005, 52, 1110-1117.	6.7	77
17	Inorganic pyrophosphate (PPI) in pathologic calcification of articular cartilage. <i>Frontiers in Bioscience - Landmark</i> , 2005, 10, 988.	3.0	53
18	Increased Hepatic Levels of the Insulin Receptor Inhibitor, PC-1/NPP1, Induce Insulin Resistance and Glucose Intolerance. <i>Diabetes</i> , 2005, 54, 367-372.	0.3	82

#	ARTICLE	IF	CITATIONS
19	External GTP-bound Transglutaminase 2 Is a Molecular Switch for Chondrocyte Hypertrophic Differentiation and Calcification. <i>Journal of Biological Chemistry</i> , 2005, 280, 15004-15012.	1.6	72
20	Chondrogenesis Mediated by PP i Depletion Promotes Spontaneous Aortic Calcification in NPP1 <sup>-/-</sup> Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2005, 25, 686-691.	1.1	166
21	Inflammation-Induced Chondrocyte Hypertrophy Is Driven by Receptor for Advanced Glycation End Products. <i>Journal of Immunology</i> , 2005, 175, 8296-8302.	0.4	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. <i>American Journal of Pathology</i> , 2005, 166, 1711-1720.	1.9	116
23	Mediation of spontaneous knee osteoarthritis by progressive chondrocyte ATP depletion in Hartley guinea pigs. <i>Arthritis and Rheumatism</i> , 2004, 50, 1216-1225.	6.7	90
24	Concerted Regulation of Inorganic Pyrophosphate and Osteopontin by Akp2, Enpp1, and Ank. <i>American Journal of Pathology</i> , 2004, 164, 1199-1209.	1.9	450
25	Linked Deficiencies in Extracellular PPI and Osteopontin Mediate Pathologic Calcification Associated With Defective PC-1 and ANK Expression. <i>Journal of Bone and Mineral Research</i> , 2003, 18, 994-1004.	3.1	184
26	One of two chondrocyte-expressed isoforms of cartilage intermediate-layer protein functions as an insulin-like growth factor 1 antagonist. <i>Arthritis and Rheumatism</i> , 2003, 48, 1302-1314.	6.7	60
27	Distinct Transglutaminase 2-independent and Transglutaminase 2-dependent Pathways Mediate Articular Chondrocyte Hypertrophy. <i>Journal of Biological Chemistry</i> , 2003, 278, 18824-18832.	1.6	77
28	IL-8/CXCL8 and Growth-Related Oncogene 1/CXCL1 Induce Chondrocyte Hypertrophic Differentiation. <i>Journal of Immunology</i> , 2003, 171, 4406-4415.	0.4	167
29	Tissue-nonspecific alkaline phosphatase and plasma cell membrane glycoprotein-1 are central antagonistic regulators of bone mineralization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 9445-9449.	3.3	756
30	Invited review: the mitochondrion in osteoarthritis. <i>Mitochondrion</i> , 2002, 1, 301-319.	1.6	112
31	Interleukin-1 Induces Pro-Mineralizing Activity of Cartilage Tissue Transglutaminase and Factor XIIIa. <i>American Journal of Pathology</i> , 2001, 159, 149-163.	1.9	123
32	PC-1 Nucleoside Triphosphate Pyrophosphohydrolase Deficiency in Idiopathic Infantile Arterial Calcification. <i>American Journal of Pathology</i> , 2001, 158, 543-554.	1.9	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. <i>Arthritis and Rheumatism</i> , 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 $\kappa$ B transcription factors play central roles in interleukin-8 expression stimulated by monosodium urate monohydrate and calcium pyrophosphate crystals in monocytic cells. <i>Arthritis and Rheumatism</i> , 2000, 43, 1145.	6.7	112
35	Mitochondrial oxidative phosphorylation is a downstream regulator of nitric oxide effects on chondrocyte matrix synthesis and mineralization. <i>Arthritis and Rheumatism</i> , 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. , 2000, 43, 1560.		2

#	ARTICLE	IF	CITATIONS
37	Matrix Vesicle Plasma Cell Membrane Glycoprotein-1 Regulates Mineralization by Murine Osteoblastic MC3T3 Cells. <i>Journal of Bone and Mineral Research</i> , 1999, 14, 883-892.	3.1	120
38	Differential mechanisms of inorganic pyrophosphate production by plasma cell membrane glycoprotein-1 and B10 in chondrocytes. <i>Arthritis and Rheumatism</i> , 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). <i>Journal of Bone and Mineral Research</i> , 1998, 13, 931-941.	3.1	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 $\beta$ in articular chondrocytes and suppresses generation of extracellular inorganic pyrophosphate. <i>Arthritis and Rheumatism</i> , 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 $\beta^2$ in articular chondrocytes and suppresses generation of extracellular inorganic pyrophosphate. <i>Arthritis and Rheumatism</i> , 1998, 41, 2152-2164.	6.7	1