Ru Liu-Bryan

List of Publications by Year in Descending Order

23 papers	1,766 citations	18 h-index	25 g-index
25 ext. papers	2,177 ext. citations	6.2 avg, IF	5.46 L-index

#	Paper	IF	Citations
23	Cartilage-targeting ultrasmall lipid-polymer hybrid nanoparticles for the prevention of cartilage degradation. *Bioengineering and Translational Medicine*, **2021**, 6, e10187	14.8	11
22	Mitochondrial Biogenesis, Activity, and DNA Isolation in Chondrocytes. *Methods in Molecular Biology*, **2021**, 2245, 195-213	1.4	1
21	Role of TLR2 and TLR4 in regulation of articular chondrocyte homeostasis. *Osteoarthritis and Cartilage*, **2020**, 28, 669-674	6.2	8
20	Choline Uptake and Metabolism Modulate Macrophage IL-1β and IL-18 Production. *Cell Metabolism*, **2019**, 29, 1350-1362.e7	24.6	74
19	Impaired Proteasomal Function in Human Osteoarthritic Chondrocytes Can Contribute to Decreased Levels of SOX9 and Aggrecan. *Arthritis and Rheumatology*, **2018**, 70, 1030-1041	9.5	9
18	Activation of AMPK-SIRT3 signaling is chondroprotective by preserving mitochondrial DNA integrity and function. *Osteoarthritis and Cartilage*, **2018**, 26, 1539-1550	6.2	42
17	Arhalofenate acid inhibits monosodium urate crystal-induced inflammatory responses through activation of AMP-activated protein kinase (AMPK) signaling. *Arthritis Research and Therapy*, **2018**, 20, 204	5.7	13
16	Modulation of matrix metabolism by ATP-citrate lyase in articular chondrocytes. *Journal of Biological Chemistry*, **2018**, 293, 12259-12270	5.4	13
15	Review: Metabolic Regulation of Inflammation in Osteoarthritis. *Arthritis and Rheumatology*, **2017**, 69, 9-21	9.5	114
14	AMP-activated protein kinase suppresses urate crystal-induced inflammation and transduces colchicine effects in macrophages. *Annals of the Rheumatic Diseases*, **2016**, 75, 286-94	2.4	67
13	Emerging role of metabolic signaling in synovial joint remodeling and osteoarthritis. *Journal of Orthopaedic Research*, **2016**, 34, 2048-2058	3.8	47
12	Emerging regulators of the inflammatory process in osteoarthritis. *Nature Reviews Rheumatology*, **2015**, 11, 35-44	8.1	352
11	Mitochondrial biogenesis is impaired in osteoarthritis chondrocytes but reversible via peroxisome proliferator-activated receptor γ coactivator 1α *Arthritis and Rheumatology*, **2015**, 67, 2141-53	9.5	127
10	Inflammation and intracellular metabolism: new targets in OA. *Osteoarthritis and Cartilage*, **2015**, 23, 1835-42	6.2	58
9	AMPK Activation by A-769662 Controls IL-6 Expression in Inflammatory Arthritis. *PLoS ONE*, **2015**, 10, e0140452	3.7	32
8	Peroxisome proliferator-activated receptor γ coactivator 1α and FoxO3A mediate chondroprotection by AMP-activated protein kinase. *Arthritis and Rheumatology*, **2014**, 66, 3073-82	9.5	56
7	C/EBP homologous protein drives pro-catabolic responses in chondrocytes. *Arthritis Research and Therapy*, **2013**, 15, R218	5.7	45

6	Linked decreases in liver kinase B1 and AMP-activated protein kinase activity modulate matrix catabolic responses to biomechanical injury in chondrocytes. *Arthritis Research and Therapy*, **2013**, 15, R77	5.7	59
5	Synovium and the innate inflammatory network in osteoarthritis progression. *Current Rheumatology Reports*, **2013**, 15, 323	4.9	103
4	Chondrocyte AMP-activated protein kinase activity suppresses matrix degradation responses to proinflammatory cytokines interleukin-1 and tumor necrosis factor *Arthritis and Rheumatism*, **2011**, 63, 1928-37		105
3	Intracellular innate immunity in gouty arthritis: role of NALP3 inflammasome. *Immunology and Cell Biology*, **2010**, 88, 20-3	5	40
2	Chondrocyte innate immune myeloid differentiation factor 88-dependent signaling drives procatabolic effects of the endogenous Toll-like receptor 2/Toll-like receptor 4 ligands low molecular weight hyaluronan and high mobility group box chromosomal protein 1 in mice. *Arthritis and Rheumatism*, **2010**, 62, 2004-12		86
1	Innate immunity conferred by Toll-like receptors 2 and 4 and myeloid differentiation factor 88 expression is pivotal to monosodium urate monohydrate crystal-induced inflammation. *Arthritis and Rheumatism*, **2005**, 52, 2936-46		273