

# Ru Liu-Bryan

## List of Publications by Citations

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**Version:** 2024-04-20

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Emerging regulators of the inflammatory process in osteoarthritis. <i>Nature Reviews Rheumatology</i> , <b>2015</b> , 11, 35-44	8.1	352
22	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. <i>Arthritis and Rheumatism</i> , <b>2005</b> , 52, 2936-46		273
21	Mitochondrial biogenesis is impaired in osteoarthritis chondrocytes but reversible via peroxisome proliferator-activated receptor $\gamma$ coactivator 1. <i>Arthritis and Rheumatology</i> , <b>2015</b> , 67, 2141-53	9.5	127
20	Review: Metabolic Regulation of Inflammation in Osteoarthritis. <i>Arthritis and Rheumatology</i> , <b>2017</b> , 69, 9-21	9.5	114
19	Chondrocyte AMP-activated protein kinase activity suppresses matrix degradation responses to proinflammatory cytokines interleukin-1 $\beta$ and tumor necrosis factor $\alpha$ . <i>Arthritis and Rheumatism</i> , <b>2011</b> , 63, 1928-37		105
18	Synovium and the innate inflammatory network in osteoarthritis progression. <i>Current Rheumatology Reports</i> , <b>2013</b> , 15, 323	4.9	103
17	Chondrocyte innate immune myeloid differentiation factor 88-dependent signaling drives pro-catabolic 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. <i>Arthritis and Rheumatism</i> , <b>2010</b> , 62, 2004-12		86
16	Choline Uptake and Metabolism Modulate Macrophage IL-1 $\beta$ and IL-18 Production. <i>Cell Metabolism</i> , <b>2019</b> , 29, 1350-1362.e7	24.6	74
15	AMP-activated protein kinase suppresses urate crystal-induced inflammation and transduces colchicine effects in macrophages. <i>Annals of the Rheumatic Diseases</i> , <b>2016</b> , 75, 286-94	2.4	67
14	Linked decreases in liver kinase B1 and AMP-activated protein kinase activity modulate matrix catabolic responses to biomechanical injury in chondrocytes. <i>Arthritis Research and Therapy</i> , <b>2013</b> , 15, R77	5.7	59
13	Inflammation and intracellular metabolism: new targets in OA. <i>Osteoarthritis and Cartilage</i> , <b>2015</b> , 23, 1835-42	6.2	58
12	Peroxisome proliferator-activated receptor $\gamma$ coactivator 1 $\beta$ and FoxO3A mediate chondroprotection by AMP-activated protein kinase. <i>Arthritis and Rheumatology</i> , <b>2014</b> , 66, 3073-82	9.5	56
11	Emerging role of metabolic signaling in synovial joint remodeling and osteoarthritis. <i>Journal of Orthopaedic Research</i> , <b>2016</b> , 34, 2048-2058	3.8	47
10	C/EBP homologous protein drives pro-catabolic responses in chondrocytes. <i>Arthritis Research and Therapy</i> , <b>2013</b> , 15, R218	5.7	45
9	Activation of AMPK-SIRT3 signaling is chondroprotective by preserving mitochondrial DNA integrity and function. <i>Osteoarthritis and Cartilage</i> , <b>2018</b> , 26, 1539-1550	6.2	42
8	Intracellular innate immunity in gouty arthritis: role of NALP3 inflammasome. <i>Immunology and Cell Biology</i> , <b>2010</b> , 88, 20-3	5	40
7	AMPK Activation by A-769662 Controls IL-6 Expression in Inflammatory Arthritis. <i>PLoS ONE</i> , <b>2015</b> , 10, e0140452	3.7	32

6	Arhalofenate acid inhibits monosodium urate crystal-induced inflammatory responses through activation of AMP-activated protein kinase (AMPK) signaling. <i>Arthritis Research and Therapy</i> , <b>2018</b> , 20, 204	5.7	13
5	Modulation of matrix metabolism by ATP-citrate lyase in articular chondrocytes. <i>Journal of Biological Chemistry</i> , <b>2018</b> , 293, 12259-12270	5.4	13
4	Cartilage-targeting ultrasmall lipid-polymer hybrid nanoparticles for the prevention of cartilage degradation. <i>Bioengineering and Translational Medicine</i> , <b>2021</b> , 6, e10187	14.8	11
3	Impaired Proteasomal Function in Human Osteoarthritic Chondrocytes Can Contribute to Decreased Levels of SOX9 and Aggrecan. <i>Arthritis and Rheumatology</i> , <b>2018</b> , 70, 1030-1041	9.5	9
2	Role of TLR2 and TLR4 in regulation of articular chondrocyte homeostasis. <i>Osteoarthritis and Cartilage</i> , <b>2020</b> , 28, 669-674	6.2	8
1	Mitochondrial Biogenesis, Activity, and DNA Isolation in Chondrocytes. <i>Methods in Molecular Biology</i> , <b>2021</b> , 2245, 195-213	1.4	1