Ru Liu-Bryan

List of Publications by Year
in descending order

25 papers	2,471 citations	393982 19 h-index	580395 25 g-index
25 all docs	25 docs citations	25 times ranked	3252 citing authors

#	Article	IF	Citations
1	Emerging regulators of the inflammatory process in osteoarthritis. Nature Reviews Rheumatology, 2015, 11, 35-44.	3.5	475
2	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, 2936-2946.	6.7	333
3	Mitochondrial Biogenesis Is Impaired in Osteoarthritis Chondrocytes but Reversible via Peroxisome Proliferatorâ€“Activated Receptor Î³ Coactivator 1Î±. Arthritis and Rheumatology, 2015, 67, 2141-2153.	2.9	201
4	Review: Metabolic Regulation of Inflammation in Osteoarthritis. Arthritis and Rheumatology, 2017, 69, 9-21.	2.9	164
5	Choline Uptake and Metabolism Modulate Macrophage IL-1Î² and IL-18 Production. Cell Metabolism, 2019, 29, 1350-1362.e7.	7.2	140
6	Chondrocyte AMP-activated protein kinase activity suppresses matrix degradation responses to proinflammatory cytokines interleukin-1Î² and tumor necrosis factor Î±. Arthritis and Rheumatism, 2011, 63, 1928-1937.	6.7	139
7	Synovium and the Innate Inflammatory Network in Osteoarthritis Progression. Current Rheumatology Reports, 2013, 15, 323.	2.1	136
8	Chondrocyte innate immune myeloid differentiation factor 88â€“dependent signaling drives procatabolic effects of the endogenous tollâ€like receptor 2/tollâ€like receptor 4 ligands low molecular weight hyaluronan and high mobility group box chromosomal protein 1 in mice. Arthritis and Rheumatism, 2010, 62, 2004-2012.	6.7	107
9	AMP-activated protein kinase suppresses urate crystal-induced inflammation and transduces colchicine effects in macrophages. Annals of the Rheumatic Diseases, 2016, 75, 286-294.	0.5	91
10	Peroxisome Proliferatorâ€“Activated Receptor Î³ Coactivator 1Î± and FoxO3A Mediate Chondroprotection by AMPâ€Activated Protein Kinase. Arthritis and Rheumatology, 2014, 66, 3073-3082.	2.9	83
11	Inflammation and intracellular metabolism: new targets in OA. Osteoarthritis and Cartilage, 2015, 23, 1835-1842.	0.6	81
12	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.	1.6	75
13	Activation of AMPK-SIRT3 signaling is chondroprotective by preserving mitochondrial DNA integrity and function. Osteoarthritis and Cartilage, 2018, 26, 1539-1550.	0.6	75
14	Emerging role of metabolic signaling in synovial joint remodeling and osteoarthritis. Journal of Orthopaedic Research, 2016, 34, 2048-2058.	1.2	69
15	C/EBP homologous protein drives pro-catabolic responses in chondrocytes. Arthritis Research and Therapy, 2013, 15, R218.	1.6	56
16	Intracellular innate immunity in gouty arthritis: role of NALP3 inflammasome. Immunology and Cell Biology, 2010, 88, 20-23.	1.0	49
17	AMPK Activation by A-769662 Controls IL-6 Expression in Inflammatory Arthritis. PLoS ONE, 2015, 10, e0140452.	1.1	39
18	The growing array of innate inflammatory ignition switches in osteoarthritis. Arthritis and Rheumatism, 2012, 64, 2055-2058.	6.7	35

#	Article	IF	Citations
19	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.	1.6	24
20	<scp>Cartilageâ€targeting ultrasmall lipidâ€polymer</scp> hybrid nanoparticles for the prevention of cartilage degradation. Bioengineering and Translational Medicine, 2021, 6, e10187.	3.9	22
21	Oral administration of berberine limits post-traumatic osteoarthritis development and associated pain via AMP-activated protein kinase (AMPK) in mice. Osteoarthritis and Cartilage, 2022, 30, 160-171.	0.6	21
22	Role of TLR2 and TLR4 in regulation of articular chondrocyte homeostasis. Osteoarthritis and Cartilage, 2020, 28, 669-674.	0.6	20
23	Modulation of matrix metabolism by ATP-citrate lyase in articular chondrocytes. Journal of Biological Chemistry, 2018, 293, 12259-12270.	1.6	17
24	Impaired Proteasomal Function in Human Osteoarthritic Chondrocytes Can Contribute to Decreased Levels of <scp>SOX</scp>9 and Aggrecan. Arthritis and Rheumatology, 2018, 70, 1030-1041.	2.9	14
25	Mitochondrial Biogenesis, Activity, and DNA Isolation in Chondrocytes. Methods in Molecular Biology, 2021, 2245, 195-213.	0.4	5