The purinergic P2X7 ion channel receptor-a repairy receptor in bone

DOI: 10.1016/j.coi.2018.03.016
Current Opinion in Immunology, 2018, 52, 32-38.

#	Paper	IF	Citations
21	ATP and adenosine: Role in the immunopathogenesis of rheumatoid arthritis. *Immunology Letters*, **2019**, 214, 55-64	4.1	16
20	Role of the purinergic P2X receptors in osteoclast pathophysiology. *Current Opinion in Pharmacology*, **2019**, 47, 97-101	5.1	11
19	Electromagnetic field treatment increases purinergic receptor P2X7 expression and activates its downstream Akt/GSK3/-catenin axis in mesenchymal stem cells under osteogenic induction. *Stem Cell Research and Therapy*, **2019**, 10, 407	8.3	10
18	Role of the P2X7 receptor in inflammation-mediated changes in the osteogenesis of periodontal ligament stem cells. *Cell Death and Disease*, **2019**, 10, 20	9.8	26
17	P2X7, a critical regulator and potential target for bone and joint diseases. *Journal of Cellular Physiology*, **2019**, 234, 2095-2103	7	18
16	Osteocytes and Diabetes: Altered Function of Diabetic Osteocytes. *Current Osteoporosis Reports*, **2020**, 18, 796-802	5.4	2
15	Adult mesenchymal stem cells: is there a role for purine receptors in their osteogenic differentiation?. *Purinergic Signalling*, **2020**, 16, 263-287	3.8	8
14	Expression and function of the P2X7 receptor in human osteoblasts: The role of NFATc1 transcription factor. *Journal of Cellular Physiology*, **2021**, 236, 641-652	7	3
13	The functions of mechanosensitive ion channels in tooth and bone tissues. *Cellular Signalling*, **2021**, 78, 109877	4.9	2
12	The Effects of Mechanical Loading on Hard and Soft Tissues and Cells. **2021**, 68-76		
11	Extracellular purines and bone homeostasis. *Biochemical Pharmacology*, **2021**, 187, 114425	6	3
10	Structural basis for the functional properties of the P2X7 receptor for extracellular ATP. *Purinergic Signalling*, **2021**, 17, 331-344	3.8	5
9	IRE1-mTOR-PERK Axis Coordinates Autophagy and ER Stress-Apoptosis Induced by P2X7-Mediated Ca Influx in Osteoarthritis. *Frontiers in Cell and Developmental Biology*, **2021**, 9, 695041	5.7	2
8	Clonal osteoblastic cell lines with CRISPR/Cas9-mediated ablation of Pit1 or Pit2 show enhanced mineralization despite reduced osteogenic gene expression. *Bone*, **2021**, 151, 116036	4.7	1
7	The mechanosensory and mechanotransductive processes mediated by ion channels and the impact on bone metabolism: A systematic review. *Archives of Biochemistry and Biophysics*, **2021**, 711, 109020	4.1	5
6	The role of P2X7 receptor in infection and metabolism: Based on inflammation and immunity. *International Immunopharmacology*, **2021**, 101, 108297	5.8	2
5	Mg.ATP-decorated ultrafine magnetic nanofibers: A bone scaffold with high osteogenic and antibacterial properties in the presence of an electromagnetic field. *Colloids and Surfaces B: Biointerfaces*, **2021**, 210, 112256	6	0

4	Potential mechanisms of osteoprotegerin-induced damage to osteoclast adhesion structures via P2X7R-mediated MAPK signaling.. *International Journal of Molecular Medicine*, **2022**, 49,	4.4	0
3	Mechanical Disturbance of Osteoclasts Induces ATP Release That Leads to Protein Synthesis in Skeletal Muscle through an Akt-mTOR Signaling Pathway. **2022**, 23, 9444		1
2	Extracellular ATP and its derivatives provide spatiotemporal guidance for bone adaptation to wide spectrum of physical forces. **2022**, 17, 101608		0
1	New insights into P2X7 receptor regulation: Ca2+-calmodulin and GDP bind to the soluble P2X7 ballast domain. **2022**, 102495		0