

# Rahul Gawri

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

581  
citations

840776

11  
h-index

839539

18  
g-index

27  
all docs

27  
docs citations

27  
times ranked

910  
citing authors

#	ARTICLE	IF	CITATIONS
1	High mechanical strain of primary intervertebral disc cells promotes secretion of inflammatory factors associated with disc degeneration and pain. <i>Arthritis Research and Therapy</i> , 2014, 16, R21.	3.5	122
2	Development of an Organ Culture System for Long-Term Survival of the Intact Human Intervertebral Disc. <i>Spine</i> , 2011, 36, 1835-1842.	2.0	59
3	Gene Expression Profiling Identifies Interferon Signalling Molecules and IGFBP3 in Human Degenerative Annulus Fibrosus. <i>Scientific Reports</i> , 2015, 5, 15662.	3.3	53
4	Physiological Loading Can Restore the Proteoglycan Content in a Model of Early IVD Degeneration. <i>PLoS ONE</i> , 2014, 9, e101233.	2.5	42
5	Best Paper NASS 2013: Link-N can stimulate proteoglycan synthesis in the degenerated human intervertebral discs. , 2013, 26, 107-119.		40
6	Chondroadherin Fragmentation Mediated by the Protease HTRA1 Distinguishes Human Intervertebral Disc Degeneration from Normal Aging. <i>Journal of Biological Chemistry</i> , 2013, 288, 19280-19287.	3.4	39
7	Effect of Synthetic Link N Peptide on the Expression of Type I and Type II Collagens in Human Intervertebral Disc Cells. <i>Tissue Engineering - Part A</i> , 2011, 17, 899-904.	3.1	28
8	Effect of in utero exposure to diethylstilbestrol on lumbar and femoral bone, articular cartilage, and the intervertebral disc in male and female adult mice progeny with and without swimming exercise. <i>Arthritis Research and Therapy</i> , 2012, 14, R17.	3.5	28
9	Dynamic loading, matrix maintenance and cell injection therapy of human intervertebral discs cultured in a bioreactor. , 2016, 31, 26-39.		26
10	Naproxen affects osteogenesis of human mesenchymal stem cells via regulation of Indian hedgehog signaling molecules. <i>Arthritis Research and Therapy</i> , 2014, 16, R152.	3.5	22
11	Sol gel-derived hydroxyapatite films over porous calcium polyphosphate substrates for improved tissue engineering of osteochondral-like constructs. <i>Acta Biomaterialia</i> , 2017, 62, 352-361.	8.3	21
12	Mechanism of parathyroid hormone-mediated suppression of calcification markers in human intervertebral disc cells. , 2013, 25, 268-283.		20
13	Axial T1 $\rho$ -MRI as a diagnostic imaging modality to quantify proteoglycan concentration in degenerative disc disease. <i>European Spine Journal</i> , 2015, 24, 2395-2401.	2.2	19
14	The Effects of Chlorhexidine Graft Decontamination on Tendon Graft Collagen and Cell Viability. <i>American Journal of Sports Medicine</i> , 2012, 40, 1646-1653.	4.2	13
15	Development of a whole disc organ culture system to study human intervertebral disc. <i>Evidence-based Spine-care Journal</i> , 2010, 1, 67-68.	0.9	11
16	Simple Silica Column-Based Method to Quantify Inorganic Polyphosphates in Cartilage and Other Tissues. <i>Cartilage</i> , 2018, 9, 417-427.	2.7	9
17	Inorganic polyphosphates enhances nucleus pulposus tissue formation in vitro. <i>Journal of Orthopaedic Research</i> , 2017, 35, 41-50.	2.3	8
18	Enhanced Bone Remodeling After Fracture Priming. <i>Calcified Tissue International</i> , 2022, 110, 349-366.	3.1	8

#	ARTICLE	IF	CITATIONS
19	Link N is cleaved by human annulus fibrosus cells generating a fragment with retained biological activity. Journal of Orthopaedic Research, 2014, 32, 1189-1197.	2.3	7
20	The anabolic effect of inorganic polyphosphate on chondrocytes is mediated by calcium signalling. Journal of Orthopaedic Research, 2022, 40, 310-322.	2.3	5
21	Inorganic polyphosphates stimulates matrix production in human annulus fibrosus cells. JOR Spine, 2021, 4, e1143.	3.2	1
22	Potential of Link-N to Stimulate Repair in the Degenerated Human Intervertebral Discs. Spine Journal, 2013, 13, S57-S58.	1.3	0
23	Inorganic Polyphosphate in Tissue Engineering. , 2016, , 217-239.		0
24	Mechanical Injury to Human Intervertebral Discs and Isolated Cells Initiates Events Implicated in Degeneration and Pain. Global Spine Journal, 2015, 5, s-0035-1554224-s-0035-1554224.	2.3	0