

Liyuan Wang

List of Publications by Year in descending order

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	An interpenetrating network-strengthened and toughened hydrogel that supports cell-based nucleus pulposus regeneration. <i>Biomaterials</i> , 2017, 136, 12-28.	11.4	93
2	The inflammatory cytokine TNF- α promotes the premature senescence of rat nucleus pulposus cells via the PI3K/Akt signaling pathway. <i>Scientific Reports</i> , 2017, 7, 42938.	3.3	75
3	17beta-estradiol Attenuates TNF- α -Induced Premature Senescence of Nucleus Pulposus Cells through Regulating the ROS/NF- κ B Pathway. <i>International Journal of Biological Sciences</i> , 2017, 13, 145-156.	6.4	64
4	Imaging Anatomical Research on the Operative Windows of Oblique Lumbar Interbody Fusion. <i>PLoS ONE</i> , 2016, 11, e0163452.	2.5	44
5	Dynamic Compression Effects on Immature Nucleus Pulposus: a Study Using a Novel Intelligent and Mechanically Active Bioreactor. <i>International Journal of Medical Sciences</i> , 2016, 13, 225-234.	2.5	38
6	A Controlled Release Codelivery System of MSCs Encapsulated in Dextran/Gelatin Hydrogel with TGF- β ² -Loaded Nanoparticles for Nucleus Pulposus Regeneration. <i>Stem Cells International</i> , 2016, 2016, 1-14.	2.5	31
7	Role of the ERK1/2 pathway in osmolarity effects on nucleus pulposus cell apoptosis in a disc perfusion culture. <i>Journal of Orthopaedic Research</i> , 2017, 35, 86-92.	2.3	22
8	The influence of L4-S1 Dynesys® dynamic stabilization versus fusion on lumbar motion and its relationship with lumbar degeneration: a retrospective study. <i>Journal of Orthopaedic Surgery and Research</i> , 2017, 12, 99.	2.3	16
9	Effects of osteogenic protein-1 on intervertebral disc regeneration: A systematic review of animal studies. <i>Biomedicine and Pharmacotherapy</i> , 2017, 88, 260-266.	5.6	13
10	Long-term load duration induces N-cadherin down-regulation and loss of cell phenotype of nucleus pulposus cells in a disc bioreactor culture. <i>Bioscience Reports</i> , 2017, 37, .	2.4	12
11	Role of the ERK1/2 Signaling Pathway in Osteogenesis of Rat Tendon-Derived Stem Cells in Normoxic and Hypoxic Cultures. <i>International Journal of Medical Sciences</i> , 2016, 13, 629-637.	2.5	10
12	Matrix homeostasis within the immature annulus fibrosus depends on the frequency of dynamic compression: a study based on the self-developed mechanically active bioreactor. <i>Biomechanics and Modeling in Mechanobiology</i> , 2017, 16, 385-394.	2.8	9
13	A Substance Exchanger-Based Bioreactor Culture of Pig Discs for Studying the Immature Nucleus Pulposus. <i>Artificial Organs</i> , 2017, 41, E308-E319.	1.9	8
14	A Retrospective Study of Thoracolumbar Fractures Treated with Fixation and Nonfusion Surgery of Intravertebral Bone Graft Assisted with Balloon Kyphoplasty. <i>World Neurosurgery</i> , 2017, 108, 798-806.	1.3	7
15	Effectiveness of Transpedicular Dynamic Stabilization in Treating Discogenic Low Back Pain. <i>World Neurosurgery</i> , 2018, 111, e192-e198.	1.3	7