

Stefan Dudli

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,015
citations

623734

14
h-index

677142

22
g-index

25
all docs

25
docs citations

25
times ranked

1093
citing authors

#	ARTICLE	IF	CITATIONS
1	Pathobiology of Modic changes. <i>European Spine Journal</i> , 2016, 25, 3723-3734.	2.2	253
2	Directed evolution of a G protein-coupled receptor for expression, stability, and binding selectivity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 14808-14813.	7.1	176
3	ISSLS PRIZE IN BASIC SCIENCE 2017: Intervertebral disc/bone marrow cross-talk with Modic changes. <i>European Spine Journal</i> , 2017, 26, 1362-1373.	2.2	96
4	<i>Propionibacterium acnes</i> infected intervertebral discs cause vertebral bone marrow lesions consistent with Modic changes. <i>Journal of Orthopaedic Research</i> , 2016, 34, 1447-1455.	2.3	69
5	Fracture of the vertebral endplates, but not equienergetic impact load, promotes disc degeneration in vitro. <i>Journal of Orthopaedic Research</i> , 2012, 30, 809-816.	2.3	62
6	Modic type 1 change is an autoimmune response that requires a proinflammatory milieu provided by the "Modic disc". <i>Spine Journal</i> , 2018, 18, 831-844.	1.3	50
7	Development of a standardized histopathology scoring system for intervertebral disc degeneration in rat models: An initiative of the ORS spine section. <i>JOR Spine</i> , 2021, 4, e1150.	3.2	49
8	Severity and pattern of post-traumatic intervertebral disc degeneration depend on the type of injury. <i>Spine Journal</i> , 2014, 14, 1256-1264.	1.3	48
9	Persistent degenerative changes in the intervertebral disc after burst fracture in an in vitro model mimicking physiological post-traumatic conditions. <i>European Spine Journal</i> , 2015, 24, 1901-1908.	2.2	33
10	Inflammatory response of disc cells against <i>Propionibacterium acnes</i> depends on the presence of lumbar Modic changes. <i>European Spine Journal</i> , 2018, 27, 1013-1020.	2.2	32
11	Machine Learning-Based Classification of 38 Years of Spine-Related Literature Into 100 Research Topics. <i>Spine</i> , 2017, 42, 863-870.	2.0	25
12	Pulsed electromagnetic fields reduce acute inflammation in the injured rat tail intervertebral disc. <i>JOR Spine</i> , 2019, 2, e1069.	3.2	18
13	Leukocytes Enhance Inflammatory and Catabolic Degenerative Changes in the Intervertebral Disc After Endplate Fracture In Vitro Without Infiltrating the Disc. <i>Spine</i> , 2015, 40, 1799-1806.	2.0	17
14	Serum biomarkers for Modic changes in patients with chronic low back pain. <i>European Spine Journal</i> , 2021, 30, 1018-1027.	2.2	16
15	Serum Biomarkers for Connective Tissue and Basement Membrane Remodeling Are Associated with Vertebral Endplate Bone Marrow Lesions as Seen on MRI (Modic Changes). <i>International Journal of Molecular Sciences</i> , 2020, 21, 3791.	4.1	15
16	Pro-Inflammatory and Neurotrophic Factor Responses of Cells Derived from Degenerative Human Intervertebral Discs to the Opportunistic Pathogen <i>Cutibacterium acnes</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 2347.	4.1	14
17	Quantification of Propionic Acid in the Bovine Spinal Disk After Infection of the Tissue With <i>Propionibacteria acnes</i> Bacteria. <i>Spine</i> , 2018, 43, E634-E638.	2.0	10
18	The Effect of Zoledronic Acid on Serum Biomarkers among Patients with Chronic Low Back Pain and Modic Changes in Lumbar Magnetic Resonance Imaging. <i>Diagnostics</i> , 2019, 9, 212.	2.6	10

#	ARTICLE	IF	CITATIONS
19	Prior storage conditions and loading rate affect the in vitro fracture response of spinal segments under impact loading. <i>Journal of Biomechanics</i> , 2011, 44, 2351-2355.	2.1	8
20	Larger vertebral endplate concavities cause higher failure load and work at failure under high-rate impact loading of rabbit spinal explants. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018, 80, 104-110.	3.1	6
21	Should Degenerated Intervertebral Discs of Patients with Modic Type 1 Changes Be Treated with Mesenchymal Stem Cells?. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2721.	4.1	6
22	Acrylonitrile and Pullulan Based Nanofiber Mats as Easily Accessible Scaffolds for 3D Skin Cell Models Containing Primary Cells. <i>Cells</i> , 2022, 11, 445.	4.1	2
23	OP0096â€¦DYSREGULATED BONE MARROW STROMAL CELLS IN MODIC TYPE 1 CHANGES. , 2019, , .		0
24	THU0451â€¦CELL-MATRIX ADHESION OF BONE MARROW STROMAL CELLS IN MODIC TYPE 1 CHANGES IS INCREASED AND RELATES TO INCREASED EXPRESSION OF INTEGRIN Î²1. <i>Annals of the Rheumatic Diseases</i> , 2020, 79, 462-462.	0.9	0