

Kelly R Wade

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

687
citations

623734

14
h-index

713466

21
g-index

25
all docs

25
docs citations

25
times ranked

439
citing authors

#	ARTICLE	IF	CITATIONS
1	How Healthy Discs Herniate. Spine, 2014, 39, 1018-1028.	2.0	98
2	A fresh look at the nucleus-endplate region: new evidence for significant structural integration. European Spine Journal, 2011, 20, 1225-1232.	2.2	65
3	ISSLS Prize Winner. Spine, 2015, 40, 1149-1157.	2.0	64
4	Micromechanics of annulus end plate integration in the intervertebral disc. Spine Journal, 2012, 12, 143-150.	1.3	62
5	“Surprise” Loading in Flexion Increases the Risk of Disc Herniation Due to Annulus-Endplate Junction Failure. Spine, 2015, 40, 891-901.	2.0	52
6	Staying connected: structural integration at the intervertebral disc-vertebra interface of human lumbar spines. European Spine Journal, 2017, 26, 248-258.	2.2	50
7	On how nucleus endplate integration is achieved at the fibrillar level in the ovine lumbar disc. Journal of Anatomy, 2012, 221, 39-46.	1.5	48
8	On the Extent and Nature of Nucleus-Annulus Integration. Spine, 2012, 37, 1826-1833.	2.0	43
9	ISSLS Prize Winner: Vibration Really Does Disrupt the Disc. Spine, 2016, 41, 1185-1198.	2.0	33
10	Influence of maturity on nucleus endplate integration in the ovine lumbar spine. European Spine Journal, 2014, 23, 732-744.	2.2	27
11	A more realistic disc herniation model incorporating compression, flexion and facet-constrained shear: a mechanical and microstructural analysis. Part I: Low rate loading. European Spine Journal, 2017, 26, 2616-2628.	2.2	19
12	The Mechanical Role of the Radial Fiber Network Within the Annulus Fibrosus of the Lumbar Intervertebral Disc: A Finite Elements Study. Journal of Biomechanical Engineering, 2019, 141, .	1.3	19
13	Towards intervertebral disc engineering: Bio-mimetics of form and function of the annulus fibrosus lamellae. Journal of the Mechanical Behavior of Biomedical Materials, 2019, 94, 298-307.	3.1	17
14	Differential Response of Bovine Mature Nucleus Pulposus and Notochordal Cells to Hydrostatic Pressure and Glucose Restriction. Cartilage, 2020, 11, 221-233.	2.7	16
15	Three-dimensional microstructural reconstruction of the ovine intervertebral disc using ultrahigh field MRI. Spine Journal, 2018, 18, 2119-2127.	1.3	15
16	A more realistic disc herniation model incorporating compression, flexion and facet-constrained shear: a mechanical and microstructural analysis. Part II: high rate or “surprise” loading. European Spine Journal, 2017, 26, 2629-2641.	2.2	14
17	GEORG SCHMORL PRIZE OF THE GERMAN SPINE SOCIETY (DWG) 2018: combined inflammatory and mechanical stress weakens the annulus fibrosus: evidences from a loaded bovine AF organ culture. European Spine Journal, 2019, 28, 922-933.	2.2	14
18	A Microstructural Investigation of Disc Disruption Induced by Low Frequency Cyclic Loading. Spine, 2018, 43, E132-E142.	2.0	9

#	ARTICLE	IF	CITATIONS
19	The Mechanical Role of Collagen Fibers in the Intervertebral Disc. , 2018, , 105-123.		7
20	The Influence of Concordant Complex Posture and Loading Rate on Motion Segment Failure. Spine, 2018, 43, E1116-E1126.	2.0	5
21	Digital image correlation analysis of vertical strain for corrugated fiberboard box panel in compression. Packaging Technology and Science, 2019, 32, 133-141.	2.8	5
22	How annulus defects can act as initiation sites for herniation. European Spine Journal, 2022, 31, 1487-1500.	2.2	3
23	Animal Models for Spine Biomechanics. , 2018, , 279-296.		2
24	Response to Point of View. Spine, 2014, 39, 1030-1031.	2.0	0
25	Vertebral Endplates. , 2018, , 125-140.		0