

# 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 annulus defects can act as initiation sites for herniation. <i>European Spine Journal</i> , 2022, 31, 1487-1500.	2.2	3
2	Differential Response of Bovine Mature Nucleus Pulposus and Notochordal Cells to Hydrostatic Pressure and Glucose Restriction. <i>Cartilage</i> , 2020, 11, 221-233.	2.7	16
3	Digital image correlation analysis of vertical strain for corrugated fiberboard box panel in compression. <i>Packaging Technology and Science</i> , 2019, 32, 133-141.	2.8	5
4	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. <i>European Spine Journal</i> , 2019, 28, 922-933.	2.2	14
5	Towards intervertebral disc engineering: Bio-mimetics of form and function of the annulus fibrosus lamellae. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019, 94, 298-307.	3.1	17
6	The Mechanical Role of the Radial Fiber Network Within the Annulus Fibrosus of the Lumbar Intervertebral Disc: A Finite Elements Study. <i>Journal of Biomechanical Engineering</i> , 2019, 141, .	1.3	19
7	The Influence of Concordant Complex Posture and Loading Rate on Motion Segment Failure. <i>Spine</i> , 2018, 43, E1116-E1126.	2.0	5
8	A Microstructural Investigation of Disc Disruption Induced by Low Frequency Cyclic Loading. <i>Spine</i> , 2018, 43, E132-E142.	2.0	9
9	Three-dimensional microstructural reconstruction of the ovine intervertebral disc using ultrahigh field MRI. <i>Spine Journal</i> , 2018, 18, 2119-2127.	1.3	15
10	The Mechanical Role of Collagen Fibers in the Intervertebral Disc. , 2018, , 105-123.		7
11	Animal Models for Spine Biomechanics. , 2018, , 279-296.		2
12	Vertebral Endplates. , 2018, , 125-140.		0
13	Staying connected: structural integration at the intervertebral disc-vertebra interface of human lumbar spines. <i>European Spine Journal</i> , 2017, 26, 248-258.	2.2	50
14	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. <i>European Spine Journal</i> , 2017, 26, 2629-2641.	2.2	14
15	A more realistic disc herniation model incorporating compression, flexion and facet-constrained shear: a mechanical and microstructural analysis. Part I: Low rate loading. <i>European Spine Journal</i> , 2017, 26, 2616-2628.	2.2	19
16	ISSLS Prize Winner: Vibration Really Does Disrupt the Disc. <i>Spine</i> , 2016, 41, 1185-1198.	2.0	33
17	ISSLS Prize Winner. <i>Spine</i> , 2015, 40, 1149-1157.	2.0	64
18	"Surprise"™ Loading in Flexion Increases the Risk of Disc Herniation Due to Annulus-Endplate Junction Failure. <i>Spine</i> , 2015, 40, 891-901.	2.0	52

#	ARTICLE	IF	CITATIONS
19	How Healthy Discs Herniate. Spine, 2014, 39, 1018-1028.	2.0	98
20	Response to Point of View. Spine, 2014, 39, 1030-1031.	2.0	0
21	Influence of maturity on nucleus-“endplate integration in the ovine lumbar spine. European Spine Journal, 2014, 23, 732-744.	2.2	27
22	On the Extent and Nature of Nucleus-Annulus Integration. Spine, 2012, 37, 1826-1833.	2.0	43
23	Micromechanics of annulus-“end plate integration in the intervertebral disc. Spine Journal, 2012, 12, 143-150.	1.3	62
24	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
25	A fresh look at the nucleus-endplate region: new evidence for significant structural integration. European Spine Journal, 2011, 20, 1225-1232.	2.2	65