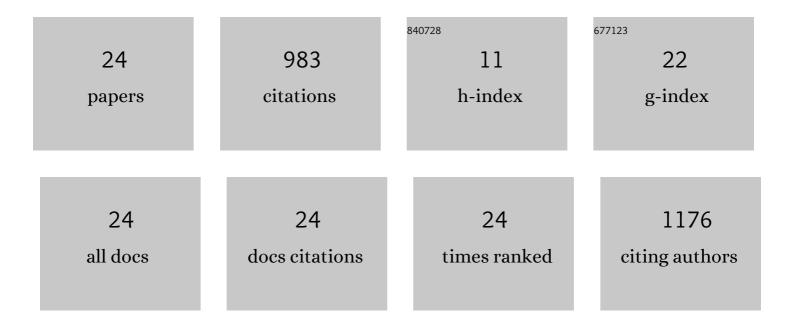
Kaj Emanuel

List of Publications by Year in descending order

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KAI EMANUEL

#	Article	IF	CITATIONS
1	Mechanics and biology in intervertebral disc degeneration: a vicious circle. Osteoarthritis and Cartilage, 2015, 23, 1057-1070.	1.3	589
2	Osteoarthritis and intervertebral disc degeneration: Quite different, quite similar. JOR Spine, 2018, 1, e1033.	3.2	55
3	The poro-elastic behaviour of the intervertebral disc: A new perspective on diurnal fluid flow. Journal of Biomechanics, 2016, 49, 857-863.	2.1	41
4	A Biodegradable Glue for Annulus Closure. Spine, 2015, 40, 622-628.	2.0	33
5	Are axial intervertebral disc biomechanics determined by osmosis?. Journal of Biomechanics, 2018, 70, 4-9.	2.1	33
6	Osmosis and viscoelasticity both contribute to time-dependent behaviour of the intervertebral disc under compressive load: A caprine in vitro study. Journal of Biomechanics, 2018, 70, 10-15.	2.1	29
7	The relation between the biochemical composition of knee articular cartilage and quantitative MRI: a systematic review and meta-analysis. Osteoarthritis and Cartilage, 2022, 30, 650-662.	1.3	29
8	Poroelastic behaviour of the degenerating human intervertebral disc: a ten-day study in a loaded disc culture system. , 2015, 29, 330-341.		26
9	Minimally Invasive Micro-Indentation: mapping tissue mechanics at the tip of an 18G needle. Scientific Reports, 2017, 7, 11364.	3.3	16
10	Early changes in the extracellular matrix of the degenerating intervertebral disc, assessed by Fourier transform infrared imaging. Osteoarthritis and Cartilage, 2018, 26, 1400-1408.	1.3	13
11	Translational challenges for the development of a novel nucleus pulposus substitute: Experimental results from biomechanical and in vivo studies. Journal of Biomaterials Applications, 2016, 30, 983-994.	2.4	12
12	A Novel Spinal Implant for Fusionless Scoliosis Correction: A Biomechanical Analysis of the Motion Preserving Properties of a Posterior Periapical Concave Distraction Device. Global Spine Journal, 2017, 7, 400-409.	2.3	12
13	A change in scope: redefining minimally invasive. Knee Surgery, Sports Traumatology, Arthroscopy, 2020, 28, 3064-3065.	4.2	12
14	Changes in Intervertebral Disk Mechanical Behavior During Early Degeneration. Journal of Biomechanical Engineering, 2018, 140, .	1.3	11
15	Prognostic factors in the progression of intervertebral disc degeneration: Which patient should be targeted with regenerative therapies?. JOR Spine, 2019, 2, e1063.	3.2	11
16	Modelling the catabolic environment of the moderately degenerated disc with a caprine ex vivo loaded disc culture system. , 2020, 40, 21-37.		11
17	The biomechanical effect of single-level laminectomy and posterior instrumentation on spinal stability in degenerative lumbar scoliosis: a human cadaveric study. Neurosurgical Focus, 2019, 46, E15.	2.3	11
18	Biomechanical properties in motion of lumbar spines with degenerative scoliosis. Journal of Biomechanics, 2020, 102, 109495.	2.1	10

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#	Article	IF	CITATIONS
19	Functioning Without Cartilage: Older People With Radiographic Knee Osteoarthritis Who Self-Report No Functional Limitations Do Score Lower on a Performance Battery. Journal of Aging and Physical Activity, 2017, 25, 570-575.	1.0	8
20	Stiffening of the nucleus pulposus upon axial loading of the intervertebral disc: An experimental in situ study. JOR Spine, 2018, 1, e1005.	3.2	6
21	Dataâ€driven quantification of the effect of wind on athletics performance. European Journal of Sport Science, 2018, 18, 1185-1190.	2.7	5
22	Response to: â€~A dose–response relationship between severity of disc degeneration and intervertebral disc height in the lumbosacral spine'. Arthritis Research and Therapy, 2016, 18, 41.	3.5	4
23	Biomechanical effects of a titanium intervertebral cage as a standâ€alone device, and in combination with locking plates in the canine caudal cervical spine. Veterinary Surgery, 2021, 50, 1087-1097.	1.0	4
24	A novel physiological testing device to study knee biomechanics in vitro. Knee, 2017, 24, 718-725.	1.6	2