Jeannie F Bailey

List of Publications by Year
in descending order

27	1,022	840776 11	610901 24
papers	citations	h-index	g-index

30	30	30	1620
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Randomized controlled trial of a 12-week digital care program in improving low back pain. Npj Digital Medicine, 2019, 2, 1.	10.9	492
2	From the international space station to the clinic: how prolonged unloading may disrupt lumbar spine stability. Spine Journal, 2018, 18, 7-14.	1.3	92
3	Lumbar Spine Paraspinal Muscle and Intervertebral Disc Height Changes in Astronauts After Long-Duration Spaceflight on the International Space Station. Spine, 2016, 41, 1917-1924.	2.0	77
4	Digital Care for Chronic Musculoskeletal Pain: 10,000 Participant Longitudinal Cohort Study. Journal of Medical Internet Research, 2020, 22, e18250.	4.3	76
5	The Relationship Between Endplate Pathology and Patient-reported Symptoms for Chronic Low Back Pain Depends on Lumbar Paraspinal Muscle Quality. Spine, 2019, 44, 1010-1017.	2.0	54
6	Effect of microgravity on the biomechanical properties of lumbar and caudal intervertebral discs in mice. Journal of Biomechanics, 2014, 47, 2983-2988.	2.1	39
7	Morphological and postural sexual dimorphism of the lumbar spine facilitates greater lordosis in females. Journal of Anatomy, 2016, 229, 82-91.	1.5	37
8	Paraspinal muscle imaging measurements for common spinal disorders: review and consensus-based recommendations from the ISSLS degenerative spinal phenotypes group. European Spine Journal, 2021, 30, 3428-3441.	2.2	30
9	Intervertebral disc herniation effects on multifidus muscle composition and resident stem cell populations. JOR Spine, 2020, 3, e1091.	3.2	14
10	Measurement of vertebral endplate bone marrow lesion (Modic change) composition with waterâ€“fat MRI and relationship to patient-reported outcome measures. European Spine Journal, 2021, 30, 2549-2556.	2.2	13
11	Biomechanical changes in the lumbar spine following spaceflight and factors associated with postspaceflight disc herniation. Spine Journal, 2022, 22, 197-206.	1.3	13
12	Neural innervation patterns in the sacral vertebral body. European Spine Journal, 2016, 25, 1932-1938.	2.2	12
13	Crossâ€sectional area of lumbar spinal muscles and vertebral endplates: a secondary analysis of 91 computed tomography images of children aged 2â€“20. Journal of Anatomy, 2018, 233, 358-369.	1.5	12
14	ISSLS PRIZE IN BIOENGINEERING SCIENCE 2019: biomechanical changes in dynamic sagittal balance and lower limb compensatory strategies following realignment surgery in adult spinal deformity patients. European Spine Journal, 2019, 28, 905-913.	2.2	11
15	Development of Pelvic Incidence and Lumbar Lordosis in Children and Adolescents. Anatomical Record, 2019, 302, 2132-2139.	1.4	9
16	Paraspinal Muscle in Chronic Low Back Pain: Comparison Between Standard Parameters and Chemical Shift Encodingâ€Based Waterâ€“Fat <scp>MRI</scp>. Journal of Magnetic Resonance Imaging, 2022, 56, 1600-1608.	3.4	9
17	Clinical outcomes one year after a digital musculoskeletal (MSK) program: an observational, longitudinal study with nonparticipant comparison group. BMC Musculoskeletal Disorders, 2022, 23, 237.	1.9	8
18	The Effect of Parity on Age-Related Degenerative Changes in Sagittal Balance. Spine, 2020, 45, E210-E216.	2.0	6

#	Article	IF	Citations
19	Older Adult Use and Outcomes in a Digital Musculoskeletal (MSK) Program, by Generation. Frontiers in Digital Health, 2021, 3, 693170.	2.8	6
20	Spatial distribution of fat infiltration within the paraspinal muscles: implications for chronic low back pain. European Spine Journal, 2022, 31, 2875-2883.	2.2	5
21	Paraspinal muscle degeneration and regenerative potential in a Murine model of Lumbar Disc Injury. North American Spine Society Journal (NASSJ), 2021, 6, 100061.	0.5	1
22	Automated assessment and classification of spine, hip, and knee pathologies from sit-to-stand movements collected in clinical practice. Journal of Biomechanics, 2021, 128, 110786.	2.1	1
23	Using hierarchical unsupervised learning to integrate and reduce multi-level and multi-paraspinal muscle MRI data in relation to low back pain. European Spine Journal, 2022, 31, 2046-2056.	2.2	1
24	Unsupervised Machine Learning on Motion Capture Data Uncovers Movement Strategies in Low Back Pain. Frontiers in Bioengineering and Biotechnology, 2022, 10, 868684.	4.1	1
25	Compensatory biomechanics and spinal loading during dynamic maneuvers in patients with chronic low back pain. European Spine Journal, 2022, 31, 1889-1896.	2.2	1
26	Clinical Outcomes After a Digital Musculoskeletal Program for Acute and Subacute Pain: Observational, Longitudinal Study With Comparison Group. JMIR Rehabilitation and Assistive Technologies, 2022, 9, e38214.	2.2	1
27	Dietary and caloric restriction and ageâ€related spinal osteoarthritis: a longitudinal study of primates (1025.7). FASEB Journal, 2014, 28, 1025.7.	0.5	0