

N Peter Reeves

List of Publications by Year in descending order

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53
papers

2,852
citations

304743

22
h-index

223800

46
g-index

53
all docs

53
docs citations

53
times ranked

2145
citing authors

#	ARTICLE	IF	CITATIONS
1	Deficits in Neuromuscular Control of the Trunk Predict Knee Injury Risk. American Journal of Sports Medicine, 2007, 35, 1123-1130.	4.2	723
2	The Effects of Core Proprioception on Knee Injury. American Journal of Sports Medicine, 2007, 35, 368-373.	4.2	326
3	Delayed Trunk Muscle Reflex Responses Increase the Risk of Low Back Injuries. Spine, 2005, 30, 2614-2620.	2.0	287
4	Spine stability: The six blind men and the elephant. Clinical Biomechanics, 2007, 22, 266-274.	1.2	220
5	Motor Control Changes in Low Back Pain: Divergence in Presentations and Mechanisms. Journal of Orthopaedic and Sports Physical Therapy, 2019, 49, 370-379.	3.5	163
6	Comparison of Trunk Proprioception Between Patients With Low Back Pain and Healthy Controls. Archives of Physical Medicine and Rehabilitation, 2010, 91, 1327-1331.	0.9	123
7	The effects of trunk stiffness on postural control during unstable seated balance. Experimental Brain Research, 2006, 174, 694-700.	1.5	110
8	Analysis of Motor Control in Patients With Low Back Pain: A Key to Personalized Care?. Journal of Orthopaedic and Sports Physical Therapy, 2019, 49, 380-388.	3.5	76
9	Effects of reflex delays on postural control during unstable seated balance. Journal of Biomechanics, 2009, 42, 164-170.	2.1	67
10	Muscle activation imbalance and low-back injury in varsity athletes. Journal of Electromyography and Kinesiology, 2006, 16, 264-272.	1.7	52
11	Lumbosacral orthoses reduce trunk muscle activity in a postural control task. Journal of Biomechanics, 2007, 40, 1731-1736.	2.1	48
12	Lumbar position sense and the risk of low back injuries in college athletes: a prospective cohort study. BMC Musculoskeletal Disorders, 2007, 8, 129.	1.9	48
13	Modeling the Human Lumbar Spine for Assessing Spinal Loads, Stability, and Risk of Injury. Critical Reviews in Biomedical Engineering, 2003, 31, 72-139.	0.9	48
14	Spine stability: Lessons from balancing a stick. Clinical Biomechanics, 2011, 26, 325-330.	1.2	47
15	Comparison of trunk stiffness provided by different design characteristics of lumbosacral orthoses. Clinical Biomechanics, 2010, 25, 110-114.	1.2	36
16	Are Stability and Instability Relevant Concepts for Back Pain?. Journal of Orthopaedic and Sports Physical Therapy, 2019, 49, 415-424.	3.5	35
17	The Effects of Stochastic Resonance Stimulation on Spine Proprioception and Postural Control in Chronic Low Back Pain Patients. Spine, 2009, 34, 316-321.	2.0	32
18	Trunk antagonist co-activation is associated with impaired neuromuscular performance. Experimental Brain Research, 2008, 188, 457-463.	1.5	31

#	ARTICLE	IF	CITATIONS
19	The effect of background muscle activity on computerized detection of sEMG onset and offset. <i>Journal of Biomechanics</i> , 2007, 40, 3521-3526.	2.1	29
20	Can Biomechanics Research Lead to More Effective Treatment of Low Back Pain? A Point-Counterpoint Debate. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2019, 49, 425-436.	3.5	28
21	Frequency domain mediolateral balance assessment using a center of pressure tracking task. <i>Journal of Biomechanics</i> , 2013, 46, 2831-2836.	2.1	27
22	Can explicit visual feedback of postural sway efface the effects of sensory manipulations on mediolateral balance performance?. <i>Journal of Neurophysiology</i> , 2016, 115, 907-914.	1.8	25
23	A comparison of a maximum exertion method and a model-based, sub-maximum exertion method for normalizing trunk EMG. <i>Journal of Electromyography and Kinesiology</i> , 2011, 21, 767-773.	1.7	22
24	Trunk muscle coactivation is tuned to changes in task dynamics to improve responsiveness in a seated balance task. <i>Journal of Electromyography and Kinesiology</i> , 2015, 25, 765-772.	1.7	21
25	Mediolateral balance and gait stability in older adults. <i>Gait and Posture</i> , 2015, 42, 79-84.	1.4	19
26	Model Simulations Challenge Reductionist Research Approaches to Studying Chronic Low Back Pain. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2019, 49, 477-481.	3.5	18
27	Trunk muscle response to various protocols of lumbar traction. <i>Manual Therapy</i> , 2009, 14, 562-566.	1.6	16
28	Expanding our view of the spine system. <i>European Spine Journal</i> , 2010, 19, 331-332.	2.2	16
29	Centre of pressure or centre of mass feedback in mediolateral balance assessment. <i>Journal of Biomechanics</i> , 2015, 48, 539-543.	2.1	16
30	Optimal Control of the Spine System. <i>Journal of Biomechanical Engineering</i> , 2010, 132, 051004.	1.3	15
31	Reliability of assessing trunk motor control using position and force tracking and stabilization tasks. <i>Journal of Biomechanics</i> , 2014, 47, 44-49.	2.1	15
32	Limits in motor control bandwidth during stick balancing. <i>Journal of Neurophysiology</i> , 2013, 109, 2523-2527.	1.8	13
33	Degenerative Spondylolisthesis Is Related to Multiparity and Hysterectomies in Older Women. <i>Spine</i> , 2017, 42, 1643-1647.	2.0	12
34	Quantitative measures of sagittal plane head-neck control: A test-retest reliability study. <i>Journal of Biomechanics</i> , 2015, 48, 549-554.	2.1	11
35	Inferring Control Intent During Seated Balance Using Inverse Model Predictive Control. <i>IEEE Robotics and Automation Letters</i> , 2019, 4, 224-230.	5.1	10
36	Reliability of assessing postural control during seated balancing using a physical human-robot interaction. <i>Journal of Biomechanics</i> , 2017, 64, 198-205.	2.1	9

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37	The effects of osteopathic manipulative treatment on pain and disability in patients with chronic neck pain: A single-blind randomized controlled trial. <i>PM and R</i> , 2022, 14, 1417-1429.	1.6	9
38	Time-Domain Optimal Experimental Design in Human Seated Postural Control Testing. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2015, 137, 0545011-545017.	1.6	7
39	Selecting Sensitive Parameter Subsets in Dynamical Models With Application to Biomechanical System Identification. <i>Journal of Biomechanical Engineering</i> , 2018, 140, .	1.3	6
40	Sagittal rotational stiffness and damping increase in a porcine lumbar spine with increased or prolonged loading. <i>Journal of Biomechanics</i> , 2016, 49, 624-627.	2.1	5
41	Feasibility of Incorporating Test-Retest Reliability and Model Diversity in Identification of Key Neuromuscular Pathways During Head Position Tracking. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2019, 27, 275-282.	4.9	5
42	Spine systems science. , 2013, , 7-16.		4
43	Assessing delay and lag in sagittal trunk control using a tracking task. <i>Journal of Biomechanics</i> , 2018, 73, 33-39.	2.1	4
44	Quantifying trunk neuromuscular control using seated balancing and stability threshold. <i>Journal of Biomechanics</i> , 2020, 112, 110038.	2.1	4
45	Stability threshold during seated balancing is sensitive to low back pain and safe to assess. <i>Journal of Biomechanics</i> , 2021, 125, 110541.	2.1	4
46	Robust Optimal Experimental Design for Study of the Human Head-Neck Tracking Response. , 2012, , .		3
47	Determination of body segment masses and centers of mass using a force plate method. <i>Medical Engineering and Physics</i> , 2014, 36, 805-806.	1.7	2
48	Robotic solutions to facilitate studying human motor control. , 2017, , .		2
49	Regularized nonlinear regression for simultaneously selecting and estimating key model parameters: Application to head-neck position tracking. <i>Engineering Applications of Artificial Intelligence</i> , 2022, 113, 104974.	8.1	2
50	Less precise motor control leads to increased agonist-antagonist muscle activation during stick balancing. <i>Human Movement Science</i> , 2016, 47, 166-174.	1.4	1
51	Optimal Neuromuscular Control of Spine Systems. , 2009, , .		0
52	How can models of motor control be useful for understanding low back pain?. , 2013, , 187-193.		0
53	Time-domain optimal experimental design in human postural control testing. , 2014, , .		0