N Peter Reeves

List of Publications by Year
in descending order

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53	2,852	304602	223716
papers	citations	22 h-index	46 g-index

53	53	53	2145
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The effects of osteopathic manipulative treatment on pain and disability in patients with chronic neck pain: A singleâ€blinded randomized controlled trial. PM and R, 2022, 14, 1417-1429.	0.9	9
2	Regularized nonlinear regression for simultaneously selecting and estimating key model parameters: Application to head-neck position tracking. Engineering Applications of Artificial Intelligence, 2022, 113, 104974.	4.3	2
3	Stability threshold during seated balancing is sensitive to low back pain and safe to assess. Journal of Biomechanics, 2021, 125, 110541.	0.9	4
4	Quantifying trunk neuromuscular control using seated balancing and stability threshold. Journal of Biomechanics, 2020, 112, 110038.	0.9	4
5	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.	1.7	76
6	Motor Control Changes in Low Back Pain: Divergence in Presentations and Mechanisms. Journal of Orthopaedic and Sports Physical Therapy, 2019, 49, 370-379.	1.7	163
7	Feasibility of Incorporating Test-Retest Reliability and Model Diversity in Identification of Key Neuromuscular Pathways During Head Position Tracking. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2019, 27, 275-282.	2.7	5
8	Can Biomechanics Research Lead to More Effective Treatment of Low Back Pain? A Point-Counterpoint Debate. Journal of Orthopaedic and Sports Physical Therapy, 2019, 49, 425-436.	1.7	28
9	Model Simulations Challenge Reductionist Research Approaches to Studying Chronic Low Back Pain. Journal of Orthopaedic and Sports Physical Therapy, 2019, 49, 477-481.	1.7	18
10	Are Stability and Instability Relevant Concepts for Back Pain?. Journal of Orthopaedic and Sports Physical Therapy, 2019, 49, 415-424.	1.7	35
11	Inferring Control Intent During Seated Balance Using Inverse Model Predictive Control. IEEE Robotics and Automation Letters, 2019, 4, 224-230.	3.3	10
12	Selecting Sensitive Parameter Subsets in Dynamical Models With Application to Biomechanical System Identification. Journal of Biomechanical Engineering, 2018, 140, .	0.6	6
13	Assessing delay and lag in sagittal trunk control using a tracking task. Journal of Biomechanics, 2018, 73, 33-39.	0.9	4
14	Degenerative Spondylolisthesis Is Related to Multiparity and Hysterectomies in Older Women. Spine, 2017, 42, 1643-1647.	1.0	12
15	Reliability of assessing postural control during seated balancing using a physical human-robot interaction. Journal of Biomechanics, 2017, 64, 198-205.	0.9	9
16	Robotic solutions to facilitate studying human motor control. , 2017, , .		2
17	Less precise motor control leads to increased agonist-antagonist muscle activation during stick balancing. Human Movement Science, 2016, 47, 166-174.	0.6	1
18	Can explicit visual feedback of postural sway efface the effects of sensory manipulations on mediolateral balance performance?. Journal of Neurophysiology, 2016, 115, 907-914.	0.9	25

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19	Sagittal rotational stiffness and damping increase in a porcine lumbar spine with increased or prolonged loading. Journal of Biomechanics, 2016, 49, 624-627.	0.9	5
20	Time-Domain Optimal Experimental Design in Human Seated Postural Control Testing. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2015, 137, 0545011-545017.	0.9	7
21	Quantitative measures of sagittal plane headâ€“neck control: A testâ€“retest reliability study. Journal of Biomechanics, 2015, 48, 549-554.	0.9	11
22	Mediolateral balance and gait stability in older adults. Gait and Posture, 2015, 42, 79-84.	0.6	19
23	Trunk muscle coactivation is tuned to changes in task dynamics to improve responsiveness in a seated balance task. Journal of Electromyography and Kinesiology, 2015, 25, 765-772.	0.7	21
24	Centre of pressure or centre of mass feedback in mediolateral balance assessment. Journal of Biomechanics, 2015, 48, 539-543.	0.9	16
25	Time-domain optimal experimental design in human postural control testing. , 2014, , .		0
26	Reliability of assessing trunk motor control using position and force tracking and stabilization tasks. Journal of Biomechanics, 2014, 47, 44-49.	0.9	15
27	Determination of body segment masses and centers of mass using a force plate method. Medical Engineering and Physics, 2014, 36, 805-806.	0.8	2
28	Spine systems science. , 2013, , 7-16.		4
29	How can models of motor control be useful for understanding low back pain?. , 2013, , 187-193.		0
30	Frequency domain mediolateral balance assessment using a center of pressure tracking task. Journal of Biomechanics, 2013, 46, 2831-2836.	0.9	27
31	Limits in motor control bandwidth during stick balancing. Journal of Neurophysiology, 2013, 109, 2523-2527.	0.9	13
32	Robust Optimal Experimental Design for Study of the Human Head-Neck Tracking Response. , 2012, , .		3
33	Spine stability: Lessons from balancing a stick. Clinical Biomechanics, 2011, 26, 325-330.	0.5	47
34	A comparison of a maximum exertion method and a model-based, sub-maximum exertion method for normalizing trunk EMG. Journal of Electromyography and Kinesiology, 2011, 21, 767-773.	0.7	22
35	Expanding our view of the spine system. European Spine Journal, 2010, 19, 331-332.	1.0	16
36	Optimal Control of the Spine System. Journal of Biomechanical Engineering, 2010, 132, 051004.	0.6	15

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37	Comparison of trunk stiffness provided by different design characteristics of lumbosacral orthoses. Clinical Biomechanics, 2010, 25, 110-114.	0.5	36
38	Comparison of Trunk Proprioception Between Patients With Low Back Pain and Healthy Controls. Archives of Physical Medicine and Rehabilitation, 2010, 91, 1327-1331.	0.5	123
39	Optimal Neuromuscular Control of Spine Systems. , 2009, , .		0
40	Trunk muscle response to various protocols of lumbar traction. Manual Therapy, 2009, 14, 562-566.	1.6	16
41	Effects of reflex delays on postural control during unstable seated balance. Journal of Biomechanics, 2009, 42, 164-170.	0.9	67
42	The Effects of Stochastic Resonance Stimulation on Spine Proprioception and Postural Control in Chronic Low Back Pain Patients. Spine, 2009, 34, 316-321.	1.0	32
43	Trunk antagonist co-activation is associated with impaired neuromuscular performance. Experimental Brain Research, 2008, 188, 457-463.	0.7	31
44	Spine stability: The six blind men and the elephant. Clinical Biomechanics, 2007, 22, 266-274.	0.5	220
45	Deficits in Neuromuscular Control of the Trunk Predict Knee Injury Risk. American Journal of Sports Medicine, 2007, 35, 1123-1130.	1.9	723
46	Lumbosacral orthoses reduce trunk muscle activity in a postural control task. Journal of Biomechanics, 2007, 40, 1731-1736.	0.9	48
47	The effect of background muscle activity on computerized detection of sEMG onset and offset. Journal of Biomechanics, 2007, 40, 3521-3526.	0.9	29
48	Lumbar position sense and the risk of low back injuries in college athletes: a prospective cohort study. BMC Musculoskeletal Disorders, 2007, 8, 129.	0.8	48
49	The Effects of Core Proprioception on Knee Injury. American Journal of Sports Medicine, 2007, 35, 368-373.	1.9	326
50	Muscle activation imbalance and low-back injury in varsity athletes. Journal of Electromyography and Kinesiology, 2006, 16, 264-272.	0.7	52
51	The effects of trunk stiffness on postural control during unstable seated balance. Experimental Brain Research, 2006, 174, 694-700.	0.7	110
52	Delayed Trunk Muscle Reflex Responses Increase the Risk of Low Back Injuries. Spine, 2005, 30, 2614-2620.	1.0	287
53	Modeling the Human Lumbar Spine for Assessing Spinal Loads, Stability, and Risk of Injury. Critical Reviews in Biomedical Engineering, 2003, 31, 72-139.	0.5	48