Ryan T Roemmich

List of Publications by Year
in descending order

40	1,285	331670 21	414414 32
papers	citations	h-index	g-index

48	48	48	1175
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Updates in Motor Learning: Implications for Physical Therapist Practice and Education. Physical Therapy, 2022, 102, .	2.4	36
2	Persons with Parkinson's disease show impaired interlimb coordination during backward walking. Parkinsonism and Related Disorders, 2022, 94, 25-29.	2.2	2
3	Precision Rehabilitation: Optimizing Function, Adding Value to Health Care. Archives of Physical Medicine and Rehabilitation, 2022, 103, 1233-1239.	0.9	31
4	The human preference for symmetric walking often disappears when one leg is constrained. Journal of Physiology, 2021, 599, 1243-1260.	2.9	3
5	Two-dimensional video-based analysis of human gait using pose estimation. PLoS Computational Biology, 2021, 17, e1008935.	3.2	112
6	Levodopa facilitates improvements in gait kinetics at the hip, not the ankle, in individuals with Parkinson's disease. Journal of Biomechanics, 2021, 121, 110366.	2.1	5
7	The Cost of Gait Slowness: Can Persons with Parkinsonâ€™s Disease Save Energy by Walking Faster?. Journal of Parkinson's Disease, 2021, 11, 2073-2084.	2.8	2
8	Applications of Pose Estimation in Human Health and Performance across the Lifespan. Sensors, 2021, 21, 7315.	3.8	41
9	Younger and Late Middle-Aged Adults Exhibit Different Patterns of Cognitive-Motor Interference During Locomotor Adaptation, With No Disruption of Savings. Frontiers in Aging Neuroscience, 2021, 13, 729284.	3.4	4
10	Dexamethasone Effectively Reduces the Incidence of Post-neurotomy Neuropathic Pain: A Randomized Controlled Pilot Study. Pain Physician, 2021, 24, 517-524.	0.4	1
11	Video-based quantification of human movement frequency using pose estimation: A pilot study. PLoS ONE, 2021, 16, e0261450.	2.5	8
12	Unilateral step training can drive faster learning of novel gait patterns. Scientific Reports, 2020, 10, 18628.	3.3	1
13	Persons post-stroke improve step length symmetry by walking asymmetrically. Journal of NeuroEngineering and Rehabilitation, 2020, 17, 105.	4.6	23
14	Persons with essential tremor can adapt to new walking patterns. Journal of Neurophysiology, 2019, 122, 1598-1605.	1.8	9
15	Trading Symmetry for Energy Cost During Walking in Healthy Adults and Persons Poststroke. Neurorehabilitation and Neural Repair, 2019, 33, 602-613.	2.9	43
16	Gait worsening and the microlesion effect following deep brain stimulation for essential tremor. Journal of Neurology, Neurosurgery and Psychiatry, 2019, 90, 913-919.	1.9	9
17	Changes in Midline Tremor and Gait Following Deep Brain Stimulation for Essential Tremor. Tremor and Other Hyperkinetic Movements, 2019, 9, .	2.0	0
18	Creating flexible motor memories in human walking. Scientific Reports, 2018, 8, 94.	3.3	34

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19	Closing the Loop: From Motor Neuroscience to Neurorehabilitation. Annual Review of Neuroscience, 2018, 41, 415-429.	10.7	52
20	Movement and perception recalibrate differently across multiple days of locomotor learning. Journal of Neurophysiology, 2018, 120, 2130-2137.	1.8	34
21	Accelerating locomotor savings in learning: compressing four training days to one. Journal of Neurophysiology, 2018, 119, 2100-2113.	1.8	41
22	Independent voluntary correction and savings in locomotor learning. Journal of Experimental Biology, 2018, 221, .	1.7	15
23	Motor learning in childhood reveals distinct mechanisms for memory retention and re-learning. Learning and Memory, 2016, 23, 229-237.	1.3	10
24	Seeing the Errors You Feel Enhances Locomotor Performance but Not Learning. Current Biology, 2016, 26, 2707-2716.	3.9	65
25	Blocking trial-by-trial error correction does not interfere with motor learning in human walking. Journal of Neurophysiology, 2016, 115, 2341-2348.	1.8	39
26	Effects of aging and Parkinson's disease on joint coupling, symmetry, complexity and variability of lower limb movements during gait. Clinical Biomechanics, 2016, 33, 92-97.	1.2	24
27	Visuomotor Learning Generalizes Around the Intended Movement. ENeuro, 2016, 3, ENEURO.0005-16.2016.	1.9	66
28	Two ways to save a newly learned motor pattern. Journal of Neurophysiology, 2015, 113, 3519-3530.	1.8	79
29	Comparing Aftereffects after Split-Belt Treadmill Walking and Unilateral Stepping. Medicine and Science in Sports and Exercise, 2014, 46, 1392-1399.	0.4	10
30	Effects of dopaminergic therapy on locomotor adaptation and adaptive learning in persons with Parkinson's disease. Behavioural Brain Research, 2014, 268, 31-39.	2.2	41
31	Locomotor adaptation and locomotor adaptive learning in Parkinsonâ€™s disease and normal aging. Clinical Neurophysiology, 2014, 125, 313-319.	1.5	66
32	Neuromuscular Complexity During Gait is not Responsive to Medication in Persons with Parkinsonâ€™s Disease. Annals of Biomedical Engineering, 2014, 42, 1901-1912.	2.5	23
33	Persons with Parkinsonâ€™s disease exhibit decreased neuromuscular complexity during gait. Clinical Neurophysiology, 2013, 124, 1390-1397.	1.5	100
34	Gait initiation impairments in both Essential Tremor and Parkinson's disease. Gait and Posture, 2013, 38, 956-961.	1.4	29
35	Gait variability magnitude but not structure is altered in essential tremor. Journal of Biomechanics, 2013, 46, 2682-2687.	2.1	20
36	Ambulation and Parkinson Disease. Physical Medicine and Rehabilitation Clinics of North America, 2013, 24, 371-392.	1.3	19

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37	Interlimb coordination is impaired during walking in persons with Parkinson's disease. Clinical Biomechanics, 2013, 28, 93-97.	1.2	40
38	Lower extremity sagittal joint moment production during split-belt treadmill walking. Journal of Biomechanics, 2012, 45, 2817-2821.	2.1	24
39	Postural Instability and Gait Impairment During Obstacle Crossing in Parkinson's Disease. Archives of Physical Medicine and Rehabilitation, 2012, 93, 703-709.	0.9	62
40	Spatiotemporal variability during gait initiation in Parkinson's disease. Gait and Posture, 2012, 36, 340-343.	1.4	53