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	Two-dimensional video-based analysis of human gait using pose estimation. PLoS Computational Biology, 2021, 17, e1008935.	3.2	112
2	Persons with Parkinsonâ€™s disease exhibit decreased neuromuscular complexity during gait. Clinical Neurophysiology, 2013, 124, 1390-1397.	1.5	100
3	Two ways to save a newly learned motor pattern. Journal of Neurophysiology, 2015, 113, 3519-3530.	1.8	79
4	Locomotor adaptation and locomotor adaptive learning in Parkinsonâ€™s disease and normal aging. Clinical Neurophysiology, 2014, 125, 313-319.	1.5	66
5	Visuomotor Learning Generalizes Around the Intended Movement. ENeuro, 2016, 3, ENEURO.0005-16.2016.	1.9	66
6	Seeing the Errors You Feel Enhances Locomotor Performance but Not Learning. Current Biology, 2016, 26, 2707-2716.	3.9	65
7	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
8	Spatiotemporal variability during gait initiation in Parkinson's disease. Gait and Posture, 2012, 36, 340-343.	1.4	53
9	Closing the Loop: From Motor Neuroscience to Neurorehabilitation. Annual Review of Neuroscience, 2018, 41, 415-429.	10.7	52
10	Trading Symmetry for Energy Cost During Walking in Healthy Adults and Persons Poststroke. Neurorehabilitation and Neural Repair, 2019, 33, 602-613.	2.9	43
11	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
12	Accelerating locomotor savings in learning: compressing four training days to one. Journal of Neurophysiology, 2018, 119, 2100-2113.	1.8	41
13	Applications of Pose Estimation in Human Health and Performance across the Lifespan. Sensors, 2021, 21, 7315.	3.8	41
14	Interlimb coordination is impaired during walking in persons with Parkinson's disease. Clinical Biomechanics, 2013, 28, 93-97.	1.2	40
15	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
16	Updates in Motor Learning: Implications for Physical Therapist Practice and Education. Physical Therapy, 2022, 102, .	2.4	36
17	Creating flexible motor memories in human walking. Scientific Reports, 2018, 8, 94.	3.3	34
18	Movement and perception recalibrate differently across multiple days of locomotor learning. Journal of Neurophysiology, 2018, 120, 2130-2137.	1.8	34

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19	Precision Rehabilitation: Optimizing Function, Adding Value to Health Care. Archives of Physical Medicine and Rehabilitation, 2022, 103, 1233-1239.	0.9	31
20	Gait initiation impairments in both Essential Tremor and Parkinson's disease. Gait and Posture, 2013, 38, 956-961.	1.4	29
21	Lower extremity sagittal joint moment production during split-belt treadmill walking. Journal of Biomechanics, 2012, 45, 2817-2821.	2.1	24
22	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
23	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
24	Persons post-stroke improve step length symmetry by walking asymmetrically. Journal of NeuroEngineering and Rehabilitation, 2020, 17, 105.	4.6	23
25	Gait variability magnitude but not structure is altered in essential tremor. Journal of Biomechanics, 2013, 46, 2682-2687.	2.1	20
26	Ambulation and Parkinson Disease. Physical Medicine and Rehabilitation Clinics of North America, 2013, 24, 371-392.	1.3	19
27	Independent voluntary correction and savings in locomotor learning. Journal of Experimental Biology, 2018, 221, .	1.7	15
28	Comparing Aftereffects after Split-Belt Treadmill Walking and Unilateral Stepping. Medicine and Science in Sports and Exercise, 2014, 46, 1392-1399.	0.4	10
29	Motor learning in childhood reveals distinct mechanisms for memory retention and re-learning. Learning and Memory, 2016, 23, 229-237.	1.3	10
30	Persons with essential tremor can adapt to new walking patterns. Journal of Neurophysiology, 2019, 122, 1598-1605.	1.8	9
31	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
32	Video-based quantification of human movement frequency using pose estimation: A pilot study. PLoS ONE, 2021, 16, e0261450.	2.5	8
33	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
34	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
35	The human preference for symmetric walking often disappears when one leg is constrained. Journal of Physiology, 2021, 599, 1243-1260.	2.9	3
36	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

#	Article	IF	Citations
37	Persons with Parkinson's disease show impaired interlimb coordination during backward walking. Parkinsonism and Related Disorders, 2022, 94, 25-29.	2.2	2
38	Unilateral step training can drive faster learning of novel gait patterns. Scientific Reports, 2020, 10, 18628.	3.3	1
39	Dexamethasone Effectively Reduces the Incidence of Post-neurotomy Neuropathic Pain: A Randomized Controlled Pilot Study. Pain Physician, 2021, 24, 517-524.	0.4	1
40	Changes in Midline Tremor and Gait Following Deep Brain Stimulation for Essential Tremor. Tremor and Other Hyperkinetic Movements, 2019, 9, .	2.0	0