Benjamin R Shuman

List of Publications by Year
in descending order

12	453	1039406	1199166
papers	citations	9 h-index	12 g-index

13	13	13	430
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Muscle synergy structure and gait patterns in children with spastic cerebral palsy. Developmental Medicine and Child Neurology, 2022, 64, 462-468.	1.1	13
2	Uneven Treadmill Training for Rehabilitation of Lateral Ankle Sprains and Chronic Ankle Instability: Protocol for a Pragmatic Randomized Controlled Trial. JMIR Research Protocols, 2022, 11, e38442.	0.5	1
3	Muscle weakness has a limited effect on motor control of gait in Duchenne muscular dystrophy. PLoS ONE, 2020, 15, e0238445.	1.1	12
4	Muscle synergies demonstrate only minimal changes after treatment in cerebral palsy. Journal of NeuroEngineering and Rehabilitation, 2019, 16, 46.	2.4	77
5	Muscle Synergy Constraints Do Not Improve Estimates of Muscle Activity From Static Optimization During Gait for Unimpaired Children or Children With Cerebral Palsy. Frontiers in Neurorobotics, 2019, 13, 102.	1.6	9
6	Repeatability of electromyography recordings and muscle synergies during gait among children with cerebral palsy. Gait and Posture, 2019, 67, 290-295.	0.6	39
7	Associations Between Muscle Synergies and Treatment Outcomes in Cerebral Palsy Are Robust Across Clinical Centers. Archives of Physical Medicine and Rehabilitation, 2018, 99, 2175-2182.	0.5	35
8	Non-neural Muscle Weakness Has Limited Influence on Complexity of Motor Control during Gait. Frontiers in Human Neuroscience, 2018, 12, 5.	1.0	33
9	Muscle recruitment and coordination with an ankle exoskeleton. Journal of Biomechanics, 2017, 59, 50-58.	0.9	53
10	Crouch severity is a poor predictor of elevated oxygen consumption in cerebral palsy. Journal of Biomechanics, 2017, 60, 170-174.	0.9	34
11	Electromyography Data Processing Impacts Muscle Synergies during Gait for Unimpaired Children and Children with Cerebral Palsy. Frontiers in Computational Neuroscience, 2017, 11, 50.	1.2	87
12	Repeatability of muscle synergies within and between days for typically developing children and children with cerebral palsy. Gait and Posture, 2016, 45, 127-132.	0.6	60