

Helen J Huang

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,341
citations

623734

14
h-index

642732

23
g-index

30
all docs

30
docs citations

30
times ranked

1749
citing authors

#	ARTICLE	IF	CITATIONS
1	A Representation of Effort in Decision-Making and Motor Control. <i>Current Biology</i> , 2016, 26, 1929-1934.	3.9	189
2	Highly Stretchable and Wearable Strain Sensor Based on Printable Carbon Nanotube Layers/Polydimethylsiloxane Composites with Adjustable Sensitivity. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 7371-7380.	8.0	189
3	Isolating gait-related movement artifacts in electroencephalography during human walking. <i>Journal of Neural Engineering</i> , 2015, 12, 046022.	3.5	161
4	Reduction of Metabolic Cost during Motor Learning of Arm Reaching Dynamics. <i>Journal of Neuroscience</i> , 2012, 32, 2182-2190.	3.6	144
5	Moving the Arms to Activate the Legs. <i>Exercise and Sport Sciences Reviews</i> , 2006, 34, 113-120.	3.0	123
6	Independent Component Analysis of Gait-Related Movement Artifact Recorded using EEG Electrodes during Treadmill Walking. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 639.	2.0	105
7	Neural coupling between upper and lower limbs during recumbent stepping. <i>Journal of Applied Physiology</i> , 2004, 97, 1299-1308.	2.5	95
8	Upper and Lower Limb Muscle Activation Is Bidirectionally and Ipsilaterally Coupled. <i>Medicine and Science in Sports and Exercise</i> , 2009, 41, 1778-1789.	0.4	54
9	Older adults learn less, but still reduce metabolic cost, during motor adaptation. <i>Journal of Neurophysiology</i> , 2014, 111, 135-144.	1.8	49
10	Electromyography Exposes Heterogeneity in Muscle Co-Contraction following Stroke. <i>Frontiers in Neurology</i> , 2017, 8, 699.	2.4	33
11	More Reliable EEG Electrode Digitizing Methods Can Reduce Source Estimation Uncertainty, but Current Methods Already Accurately Identify Brodmann Areas. <i>Frontiers in Neuroscience</i> , 2019, 13, 1159.	2.8	33
12	Tradeoff between Stability and Maneuverability during Whole-Body Movements. <i>PLoS ONE</i> , 2011, 6, e21815.	2.5	32
13	Reductions in muscle coactivation and metabolic cost during visuomotor adaptation. <i>Journal of Neurophysiology</i> , 2014, 112, 2264-2274.	1.8	21
14	Cortical Spectral Activity and Connectivity during Active and Viewed Arm and Leg Movement. <i>Frontiers in Neuroscience</i> , 2016, 10, 91.	2.8	18
15	Shifting Maladaptive Fall Risk Appraisal in Older Adults through an in-Home Physio-Feedback and Exercise pRogram (PEER): A Pilot Study. <i>Clinical Gerontologist</i> , 2020, 43, 378-390.	2.2	14
16	Assessing Fall Risk Appraisal Through Combined Physiological and Perceived Fall Risk Measures Using Innovative Technology. <i>Journal of Gerontological Nursing</i> , 2020, 46, 41-47.	0.6	14
17	Upper limb effort does not increase maximal voluntary muscle activation in individuals with incomplete spinal cord injury. <i>Clinical Neurophysiology</i> , 2009, 120, 1741-1749.	1.5	13
18	Small directional treadmill perturbations induce differential gait stability adaptation. <i>Journal of Neurophysiology</i> , 2022, 127, 38-55.	1.8	12

#	ARTICLE	IF	CITATIONS
19	Dry Epidermal Electrodes Can Provide Long-Term High Fidelity Electromyography for Limited Dynamic Lower Limb Movements. <i>Sensors</i> , 2020, 20, 4848.	3.8	9
20	Speed-related but not detrended gait variability increases with more sensitive self-paced treadmill controllers at multiple slopes. <i>PLoS ONE</i> , 2021, 16, e0251229.	2.5	9
21	Differential Theta-Band Signatures of the Anterior Cingulate and Motor Cortices During Seated Locomotor Perturbations. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2021, 29, 468-477.	4.9	7
22	Computer simulations of neural mechanisms explaining upper and lower limb excitatory neural coupling. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2010, 7, 59.	4.6	5
23	Classification of EEG Motion Artifact Signals Using Spatial ICA. <i>Emerging Topics in Statistics and Biostatistics</i> , 2020, , 23-35.	0.1	4
24	Assessment of Single Use Dry Epidermal Electrodes for Surface Electromyography Recordings*. , 2019, , .		3
25	Influence of Mismatching Fiducial Locations on EEG Source Estimation*. , 2019, , .		1
26	Step-to-step variability indicates disruption to balance control when linking the arms and legs during treadmill walking. <i>PLoS ONE</i> , 2022, 17, e0265750.	2.5	0