Yan To Ling

List of Publications by Year
in descending order

13 papers	**127** citations	1478505 **6** h-index	1281871 **11** g-index
13 all docs	**13** docs citations	**13** times ranked	**166** citing authors

#	Article	IF	Citations
1	Simulating Focused Ultrasound Transducers Using Discrete Sources on Regular Cartesian Grids. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2016, 63, 1535-1542.	3.0	33
2	Towards Wearable Comprehensive Capture and Analysis of Skeletal Muscle Activity during Human Locomotion. Sensors, 2019, 19, 195.	3.8	21
3	Reversing 21 years of chronic paralysis via non-invasive spinal cord neuromodulation: a case study. Annals of Clinical and Translational Neurology, 2020, 7, 829-838.	3.7	18
4	Spinal Cord Injury: Lessons about Neuroplasticity from Paired Associative Stimulation. Neuroscientist, 2020, 26, 266-277.	3.5	14
5	Sonomechanomyography (SMMG): Mapping of Skeletal Muscle Motion Onset during Contraction Using Ultrafast Ultrasound Imaging and Multiple Motion Sensors. Sensors, 2020, 20, 5513.	3.8	10
6	Restoration of arm and hand functions via noninvasive cervical cord neuromodulation after traumatic brain injury: a case study. Brain Injury, 2020, 34, 1771-1780.	1.2	7
7	How Paretic and Non-Paretic Ankle Muscles Contract during Walking in Stroke Survivors: New Insight Using Novel Wearable Ultrasound Imaging and Sensing Technology. Biosensors, 2022, 12, 349.	4.7	6
8	How Does Lower Limb Respond to Unexpected Balance Perturbations? New Insights from Synchronized Human Kinetics, Kinematics, Muscle Electromyography (EMG) and Mechanomyography (MMG) Data. Biosensors, 2022, 12, 430.	4.7	6
9	Predicting Linear Elongation With Conductive Thread-Based Sensors. IEEE Sensors Journal, 2017, 17, 6537-6548.	4.7	4
10	Spinal deformity measurement using a low-density flexible array ultrasound transducer: A feasibility study with phantoms. Medicine in Novel Technology and Devices, 2021, 11, 100090.	1.6	3
11	A discrete source model for simulating bowl-shaped focused ultrasound transducers on regular grids: Design and experimental validation. , 2015, , .		2
12	Measurement of neurovascular coupling in human motor cortex using simultaneous transcranial Doppler and electroencephalography. Physiological Measurement, 2018, 39, 065005.	2.1	2
13	121 A Newly-Developed Smart Insole System with Instant Reminder: Paves the Way towards Integrating Artificial Intelligence (AI) Technology to Improve Balance and Prevent Falls. Age and Ageing, 2019, 48, iv28-iv33.	1.6	1