

Yu-Cheng Pei

List of Publications by Year in descending order

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75
papers

1,786
citations

279798

23
h-index

302126

39
g-index

77
all docs

77
docs citations

77
times ranked

2109
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Kinesio taping on muscle strength in athletes—A pilot study. <i>Journal of Science and Medicine in Sport</i> , 2008, 11, 198-201.	1.3	251
2	Convergence of Submodality-Specific Input Onto Neurons in Primary Somatosensory Cortex. <i>Journal of Neurophysiology</i> , 2009, 102, 1843-1853.	1.8	96
3	Shape Invariant Coding of Motion Direction in Somatosensory Cortex. <i>PLoS Biology</i> , 2010, 8, e1000305.	5.6	94
4	Neuromodulation accompanying focused ultrasound-induced blood-brain barrier opening. <i>Scientific Reports</i> , 2015, 5, 15477.	3.3	93
5	Sagittal Plane Loading Response During Gait in Different Age Groups and in People with Knee Osteoarthritis. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2003, 82, 307-312.	1.4	76
6	Neural Mechanisms of Tactile Motion Integration in Somatosensory Cortex. <i>Neuron</i> , 2011, 69, 536-547.	8.1	73
7	The neural basis of tactile motion perception. <i>Journal of Neurophysiology</i> , 2014, 112, 3023-3032.	1.8	63
8	Foot contact pattern analysis in hemiplegic stroke patients: An implication for neurologic status determination11No commercial party having a direct financial interest in the results of the research supporting this article has or will confer a benefit upon the author(s) or upon any organization with which the author(s) is/are associated.. <i>Archives of Physical Medicine and Rehabilitation</i> , 2004, 85, 1625-1630.	0.9	59
9	The tactile integration of local motion cues is analogous to its visual counterpart. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 8130-8135.	7.1	55
10	Aging-related changes in swallowing, and in the coordination of swallowing and respiration determined by novel noninvasive measurement techniques. <i>Geriatrics and Gerontology International</i> , 2015, 15, 736-744.	1.5	51
11	Validity, Responsiveness, and Clinically Important Difference of the ABILHAND Questionnaire in Patients With Stroke. <i>Archives of Physical Medicine and Rehabilitation</i> , 2011, 92, 1086-1091.	0.9	49
12	Botulinum Toxin Type A on Oral Health in Treating Sialorrhea in Children With Cerebral Palsy: A Randomized, Double-Blind, Placebo-Controlled Study. <i>Journal of Child Neurology</i> , 2011, 26, 838-843.	1.4	40
13	Sedative Music Facilitates Deep Sleep in Young Adults. <i>Journal of Alternative and Complementary Medicine</i> , 2014, 20, 312-317.	2.1	36
14	Early hyaluronate injection improves quality of life but not neural recovery in unilateral vocal fold paralysis: An open-label randomized controlled study. <i>Restorative Neurology and Neuroscience</i> , 2015, 33, 121-130.	0.7	35
15	Eye-hand Coordination of Elderly People Who Practice Tai Chi Chuan. <i>Journal of the Formosan Medical Association</i> , 2008, 107, 103-110.	1.7	34
16	Musical dual-task training in patients with mild-to-moderate dementia: a randomized controlled trial. <i>Neuropsychiatric Disease and Treatment</i> , 2018, Volume 14, 1381-1393.	2.2	33
17	Changes in sagittal ground reaction forces after intra-articular hyaluronate injections for knee osteoarthritis11No commercial party having a direct financial interest in the results of the research supporting this article has or will confer a benefit upon the author(s) or upon any organization with which the author(s) is/are associated.. <i>Archives of Physical Medicine and Rehabilitation</i> , 2004, 85, 951-955.	0.9	31
18	An Evaluation of the Design and Usability of a Novel Robotic Bilateral Arm Rehabilitation Device for Patients with Stroke. <i>Frontiers in Neurorobotics</i> , 2017, 11, 36.	2.8	28

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19	Is Tai Chi Chuan effective in improving lower limb response time to prevent backward falls in the elderly?. <i>Age</i> , 2009, 31, 163-170.	3.0	27
20	Quantification and recognition of parkinsonian gait from monocular video imaging using kernel-based principal component analysis. <i>BioMedical Engineering OnLine</i> , 2011, 10, 99.	2.7	27
21	Cricothyroid muscle dysfunction impairs vocal fold vibration in unilateral vocal fold paralysis. <i>Laryngoscope</i> , 2014, 124, 201-206.	2.0	27
22	Technology Acceptance for an Intelligent Comprehensive Interactive Care (ICIC) System for Care of the Elderly: A Survey-Questionnaire Study. <i>PLoS ONE</i> , 2012, 7, e40591.	2.5	26
23	Glottal gap as an early predictor for permanent laryngoplasty in unilateral vocal fold paralysis. <i>Laryngoscope</i> , 2014, 124, 2125-2130.	2.0	25
24	Usability Assessment of a Cable-Driven Exoskeletal Robot for Hand Rehabilitation. <i>Frontiers in Neurobotics</i> , 2019, 13, 3.	2.8	23
25	Decoupling Finger Joint Motion in an Exoskeletal Hand: A Design for Robot-Assisted Rehabilitation. <i>IEEE Transactions on Industrial Electronics</i> , 2020, 67, 686-697.	7.9	22
26	<p>Functional Recovery Patterns of Hemorrhagic and Ischemic Stroke Patients Under Post-Acute Care Rehabilitation Program<p>. <i>Neuropsychiatric Disease and Treatment</i> , 2020, Volume 16, 1975-1985.	2.2	21
27	Nocturia is an independent predictor of severe obstructive sleep apnea in patients with ischemic stroke. <i>Journal of Neurology</i> , 2011, 258, 189-194.	3.6	20
28	Motor impairments screened by the Movement Assessment Battery for Children-2 are related to the visual-perceptual deficits in children with Developmental Coordination Disorder. <i>Research in Developmental Disabilities</i> , 2014, 35, 2172-2179.	2.2	20
29	Does different exercise have the same effect of health promotion for the elderly? Comparison of training-specific effect of Tai Chi and swimming on motor control. <i>Archives of Gerontology and Geriatrics</i> , 2011, 53, e133-e137.	3.0	19
30	Early transcranial direct current stimulation treatment exerts neuroprotective effects on 6-OHDA-induced Parkinsonism in rats. <i>Brain Stimulation</i> , 2020, 13, 655-663.	1.6	18
31	Changes of synovial fluid protein concentrations in supra-patellar bursitis patients after the injection of different molecular weights of hyaluronic acid. <i>Experimental Gerontology</i> , 2014, 52, 30-35.	2.8	17
32	Acceptance of different design exergames in elders. <i>PLoS ONE</i> , 2018, 13, e0200185.	2.5	16
33	The effect of lower body stabilization and different writing tools on writing biomechanics in children with cerebral palsy. <i>Research in Developmental Disabilities</i> , 2013, 34, 1152-1159.	2.2	15
34	Anthropometry-based structural design of a hand exoskeleton for rehabilitation. , 2016, , .		15
35	Intraoperative linguistic performance during awake brain surgery predicts postoperative linguistic deficits. <i>Journal of Neuro-Oncology</i> , 2018, 139, 215-223.	2.9	15
36	Risk factors for thyroid surgeryâ€related unilateral vocal fold paralysis. <i>Laryngoscope</i> , 2019, 129, 275-283.	2.0	15

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37	Quantitative laryngeal electromyography assessment of cricothyroid function in patients with unilateral vocal fold paralysis. <i>Laryngoscope</i> , 2015, 125, 2530-2535.	2.0	14
38	Botulinum Toxin type A injections for patients with painful hallux valgus: a double-blind, randomized controlled study. <i>Clinical Neurology and Neurosurgery</i> , 2015, 129, S58-S62.	1.4	14
39	Quantitative electromyographic characteristics of idiopathic unilateral vocal fold paralysis. <i>Laryngoscope</i> , 2016, 126, E362-E368.	2.0	14
40	A multi-digit tactile motion stimulator. <i>Journal of Neuroscience Methods</i> , 2014, 226, 80-87.	2.5	13
41	Injecting autologous platelet rich plasma solely into the knee joint is not adequate in treating geriatric patients with moderate to severe knee osteoarthritis. <i>Experimental Gerontology</i> , 2019, 119, 1-6.	2.8	12
42	Neuromodulatory Effects of Transcranial Direct Current Stimulation on Motor Excitability in Rats. <i>Neural Plasticity</i> , 2019, 2019, 1-9.	2.2	12
43	Cross-Modal Sensory Integration of Visual-Tactile Motion Information: Instrument Design and Human Psychophysics. <i>Sensors</i> , 2013, 13, 7212-7223.	3.8	10
44	Distinct Disease and Functional Characteristics of Thyroid Surgery-Related Vocal Fold Palsy. <i>Thyroid</i> , 2016, 26, 943-950.	4.5	10
45	Disease Characteristics and Electromyographic Findings of Nonsurgery-Related Unilateral Vocal Fold Paralysis. <i>Laryngoscope</i> , 2017, 127, 1381-1387.	2.0	10
46	Application of deep learning neural network in predicting bone mineral density from plain X-ray radiography. <i>Archives of Osteoporosis</i> , 2021, 16, 153.	2.4	10
47	Implications of Synkinesis in Unilateral Vocal Fold Paralysis. <i>Otolaryngology - Head and Neck Surgery</i> , 2017, 157, 1017-1024.	1.9	9
48	Effectiveness of Laser Acupuncture in Alleviating Chronic Insomnia: A Single-Blinded Randomized Controlled Trial. <i>Evidence-based Complementary and Alternative Medicine</i> , 2019, 2019, 1-9.	1.2	9
49	The Comparison and Interpretation of Machine-Learning Models in Post-Stroke Functional Outcome Prediction. <i>Diagnostics</i> , 2021, 11, 1784.	2.6	9
50	Comparison of the effects between lasers applied to myofascial trigger points and to classical acupoints for patients with cervical myofascial pain syndrome. <i>Biomedical Journal</i> , 2021, 44, 739-747.	3.1	7
51	Voice Range Change After Injection Laryngoplasty for Unilateral Vocal Fold Paralysis. <i>Journal of Voice</i> , 2018, 32, 625-632.	1.5	6
52	Features of trunk muscle weakness in patients with ankylosing spondylitis: A cross-sectional study. <i>Biomedical Journal</i> , 2019, 42, 124-130.	3.1	5
53	Voice aerodynamics following office-based hyaluronate injection laryngoplasty. <i>Clinical Otolaryngology</i> , 2019, 44, 594-602.	1.2	5
54	Development of a Novel Task-oriented Rehabilitation Program using a Bimanual Exoskeleton Robotic Hand. <i>Journal of Visualized Experiments</i> , 2020, , .	0.3	5

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55	Relative posture between head and finger determines perceived tactile direction of motion. <i>Scientific Reports</i> , 2020, 10, 5494.	3.3	5
56	Increased risk of posterior circulation infarcts among ischemic stroke patients with cervical spondylosis. <i>Neuropsychiatric Disease and Treatment</i> , 2015, 11, 273.	2.2	4
57	Illusory Motion Reversal in Touch. <i>Frontiers in Neuroscience</i> , 2019, 13, 605.	2.8	4
58	Two trajectories of functional recovery in thyroid surgery related unilateral vocal cord paralysis. <i>Surgery</i> , 2020, 168, 578-585.	1.9	4
59	Speech Performance after Anterolateral Thigh Phonatory Tube Reconstruction for Total Laryngectomy. <i>Laryngoscope</i> , 2021, 131, 1349-1357.	2.0	4
60	Cricothyroid Muscle Dysfunction Affects Aerodynamic Performance in Patients with Unilateral Vocal Fold Paralysis. <i>Journal of Voice</i> , 2024, 38, 219-224.	1.5	4
61	Long-Lasting Effect after Single Hyaluronate Injection for Unilateral Vocal Fold Paralysis: Does Concentration Matter?. <i>Biomolecules</i> , 2021, 11, 1580.	4.0	4
62	An electroneurography-based assay for identifying injured nerve segment during surgery: design and <i>in vivo</i> application in the rat. <i>Journal of Neural Engineering</i> , 2019, 16, 026027.	3.5	3
63	The impact of cricothyroid involvement on adductor recovery in unilateral vocal fold paralysis. <i>Laryngoscope</i> , 2020, 130, 139-145.	2.0	3
64	Deep Learning-Based Grimace Scoring Is Comparable to Human Scoring in a Mouse Migraine Model. <i>Journal of Personalized Medicine</i> , 2022, 12, 851.	2.5	3
65	Title is missing!. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2003, 82, 307-312.	1.4	2
66	Hemodynamic stability during laryngeal electromyography procedures. <i>Acta Oto-Laryngologica</i> , 2017, 137, 1110-1114.	0.9	2
67	Clinical and functional characteristics of lung surgery-related vocal fold palsy. <i>Biomedical Journal</i> , 2020, , .	3.1	2
68	Outcomes of Esophageal Cancer after Esophagectomy in the Era of Early Injection Laryngoplasty. <i>Diagnostics</i> , 2021, 11, 914.	2.6	2
69	Baseline Global Cognitive Function Affects Cognitive and Functional Outcomes of Combined Physical and Cognitive Training Among Older Adults With Cognitive Decline. <i>American Journal of Occupational Therapy</i> , 2022, 76, .	0.3	1
70	Pre-attentive mental processing of music expectation: Event-related potentials of a partially violating and resolving paradigm. <i>Brain and Cognition</i> , 2004, 54, 95-100.	1.8	0
71	A Scoping Study on the Development of an Interactive Upper-Limb Rehabilitation System Framework for Patients with Stroke. <i>Lecture Notes in Computer Science</i> , 2018, , 386-393.	1.3	0
72	Alternation of Neuronal Feature Selectivity Induced by Paired Optogenetic-Mechanical Stimulation in the Barrel Cortex. <i>Frontiers in Neural Circuits</i> , 2021, 15, 708459.	2.8	0

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73	Global Motion Percept Mediated through Integration of Barber Poles Presented in Bilateral Visual Hemifields. PLoS ONE, 2013, 8, e74032.	2.5	0
74	Receptive Field Structures of Color-responsive Neurons in Macaque Monkey V1. Journal of Vision, 2017, 17, 125.	0.3	0
75	Somatosensory Cortex: Neural Coding of Motion. , 2022, , 3171-3174.		0