

Ying-Zu Huang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6542659/publications.pdf>

Version: 2024-02-01

89
papers

7,736
citations

136950

32
h-index

54911

84
g-index

92
all docs

92
docs citations

92
times ranked

6168
citing authors

#	ARTICLE	IF	CITATIONS
1	Theta Burst Stimulation of the Human Motor Cortex. <i>Neuron</i> , 2005, 45, 201-206.	8.1	3,223
2	The after-effect of human theta burst stimulation is NMDA receptor dependent. <i>Clinical Neurophysiology</i> , 2007, 118, 1028-1032.	1.5	486
3	Ten Years of Theta Burst Stimulation in Humans: Established Knowledge, Unknowns and Prospects. <i>Brain Stimulation</i> , 2016, 9, 323-335.	1.6	397
4	Effect of Physiological Activity on an NMDA-Dependent Form of Cortical Plasticity in Human. <i>Cerebral Cortex</i> , 2008, 18, 563-570.	2.9	277
5	Plasticity induced by non-invasive transcranial brain stimulation: A position paper. <i>Clinical Neurophysiology</i> , 2017, 128, 2318-2329.	1.5	276
6	The theoretical model of theta burst form of repetitive transcranial magnetic stimulation. <i>Clinical Neurophysiology</i> , 2011, 122, 1011-1018.	1.5	214
7	Interhemispheric interaction between human dorsal premotor and contralateral primary motor cortex. <i>Journal of Physiology</i> , 2004, 561, 331-338.	2.9	186
8	The effect of short-duration bursts of high-frequency, low-intensity transcranial magnetic stimulation on the human motor cortex. <i>Clinical Neurophysiology</i> , 2004, 115, 1069-1075.	1.5	155
9	Different patterns of electrophysiological deficits in manifesting and non-manifesting carriers of the DYT1 gene mutation. <i>Brain</i> , 2003, 126, 2074-2080.	7.6	141
10	Abnormalities in motor cortical plasticity differentiate manifesting and nonmanifesting DYT1 carriers. <i>Movement Disorders</i> , 2006, 21, 2181-2186.	3.9	137
11	Effect of theta burst stimulation over the human sensorimotor cortex on motor and somatosensory evoked potentials. <i>Clinical Neurophysiology</i> , 2007, 118, 1033-1043.	1.5	122
12	Abnormal bidirectional plasticity-like effects in Parkinson's disease. <i>Brain</i> , 2011, 134, 2312-2320.	7.6	110
13	Consensus: New methodologies for brain stimulation. <i>Brain Stimulation</i> , 2009, 2, 2-13.	1.6	100
14	Probiotics Alleviate the Progressive Deterioration of Motor Functions in a Mouse Model of Parkinson's Disease. <i>Brain Sciences</i> , 2020, 10, 206.	2.3	96
15	The effect of continuous theta burst stimulation over premotor cortex on circuits in primary motor cortex and spinal cord. <i>Clinical Neurophysiology</i> , 2009, 120, 796-801.	1.5	91
16	Effects of theta burst stimulation protocols on phosphene threshold. <i>Clinical Neurophysiology</i> , 2006, 117, 1808-1813.	1.5	81
17	The role of dorsal premotor area in reaction task: comparing the "virtual lesion" effect of paired pulse or theta burst transcranial magnetic stimulation. <i>Experimental Brain Research</i> , 2005, 167, 414-421.	1.5	70
18	Restoration of motor inhibition through an abnormal premotor-motor connection in dystonia. <i>Movement Disorders</i> , 2010, 25, 696-703.	3.9	66

#	ARTICLE	IF	CITATIONS
19	Functional MRI in the assessment of cortical activation during gait-related imaginary tasks. <i>Journal of Neural Transmission</i> , 2009, 116, 1087-1092.	2.8	64
20	Reversal of plasticity-like effects in the human motor cortex. <i>Journal of Physiology</i> , 2010, 588, 3683-3693.	2.9	63
21	One-Hz repetitive transcranial magnetic stimulation of the premotor cortex alters reciprocal inhibition in DYT1 dystonia. <i>Movement Disorders</i> , 2004, 19, 54-59.	3.9	58
22	Intermittent theta burst stimulation over ipsilesional primary motor cortex of subacute ischemic stroke patients: A pilot study. <i>Brain Stimulation</i> , 2013, 6, 166-174.	1.6	57
23	Critical role of glutamatergic and GABAergic neurotransmission in the central mechanisms of theta burst stimulation. <i>Human Brain Mapping</i> , 2019, 40, 2001-2009.	3.6	53
24	Genetic variants of SNCA and LRRK2 genes are associated with sporadic PD susceptibility: A replication study in a Taiwanese cohort. <i>Parkinsonism and Related Disorders</i> , 2013, 19, 251-255.	2.2	51
25	Intermittent theta burst stimulation over primary motor cortex enhances movement-related beta synchronisation. <i>Clinical Neurophysiology</i> , 2011, 122, 2260-2267.	1.5	48
26	Abnormal cortical and spinal inhibition in paroxysmal kinesigenic dyskinesia. <i>Brain</i> , 2004, 128, 291-299.	7.6	47
27	Functional Dopaminergic Neurons in Substantia Nigra are Required for Transcranial Magnetic Stimulation-Induced Motor Plasticity. <i>Cerebral Cortex</i> , 2015, 25, 1806-1814.	2.9	45
28	High-frequency repetitive transcranial magnetic stimulation over the hand area of the primary motor cortex disturbs predictive grip force scaling. <i>European Journal of Neuroscience</i> , 2005, 22, 2392-2396.	2.6	44
29	Intermittent theta burst stimulation enhances upper limb motor function in patients with chronic stroke: a pilot randomized controlled trial. <i>BMC Neurology</i> , 2019, 19, 69.	1.8	44
30	Modulation of the Disturbed Motor Network in Dystonia by Multisession Suppression of Premotor Cortex. <i>PLoS ONE</i> , 2012, 7, e47574.	2.5	42
31	Reduced cortical plasticity and GABAergic modulation in essential tremor. <i>Movement Disorders</i> , 2014, 29, 501-507.	3.9	39
32	PARK14 (D331Y) PLA2G6 Causes Early-Onset Degeneration of Substantia Nigra Dopaminergic Neurons by Inducing Mitochondrial Dysfunction, ER Stress, Mitophagy Impairment and Transcriptional Dysregulation in a Knockin Mouse Model. <i>Molecular Neurobiology</i> , 2019, 56, 3835-3853.	4.0	39
33	Efficacy and tolerability of theta-burst stimulation for major depression: A systematic review and meta-analysis. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2021, 106, 110168.	4.8	39
34	Upregulated Expression of MicroRNA-204-5p Leads to the Death of Dopaminergic Cells by Targeting DYRK1A-Mediated Apoptotic Signaling Cascade. <i>Frontiers in Cellular Neuroscience</i> , 2019, 13, 399.	3.7	36
35	PARK14 PLA2G6 mutants are defective in preventing rotenone-induced mitochondrial dysfunction, ROS generation and activation of mitochondrial apoptotic pathway. <i>Oncotarget</i> , 2017, 8, 79046-79060.	1.8	36
36	Association of Antiviral Therapy With Risk of Parkinson Disease in Patients With Chronic Hepatitis C Virus Infection. <i>JAMA Neurology</i> , 2019, 76, 1019.	9.0	35

#	ARTICLE	IF	CITATIONS
37	Theta burst stimulation in humans: a need for better understanding effects of brain stimulation in health and disease. <i>Experimental Brain Research</i> , 2020, 238, 1707-1714.	1.5	30
38	Increased Rab35 expression is a potential biomarker and implicated in the pathogenesis of Parkinson's disease. <i>Oncotarget</i> , 2016, 7, 54215-54227.	1.8	30
39	Systems-level studies of movement disorders in dystonia and Parkinson's disease. <i>Current Opinion in Neurobiology</i> , 2003, 13, 691-695.	4.2	29
40	Protocols of non-invasive brain stimulation for neuroplasticity induction. <i>Neuroscience Letters</i> , 2020, 719, 133437.	2.1	29
41	(D620N) VPS35 causes the impairment of Wnt/ β -catenin signaling cascade and mitochondrial dysfunction in a PARK17 knockin mouse model. <i>Cell Death and Disease</i> , 2020, 11, 1018.	6.3	29
42	Relationship of mechanical impact magnitude to neurologic dysfunction severity in a rat traumatic brain injury model. <i>PLoS ONE</i> , 2017, 12, e0178186.	2.5	29
43	Fatigue and Muscle Strength Involving Walking Speed in Parkinson's Disease: Insights for Developing Rehabilitation Strategy for PD. <i>Neural Plasticity</i> , 2017, 2017, 1-9.	2.2	26
44	Priming With 1-Hz Repetitive Transcranial Magnetic Stimulation Over Contralesional Leg Motor Cortex Does Not Increase the Rate of Regaining Ambulation Within 3 Months of Stroke. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2018, 97, 339-345.	1.4	26
45	Augmented efficacy of intermittent theta burst stimulation on the virtual reality-based cycling training for upper limb function in patients with stroke: a double-blinded, randomized controlled trial. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2021, 18, 91.	4.6	25
46	The Impact of Single Session Intermittent Theta-Burst Stimulation over the Dorsolateral Prefrontal Cortex and Posterior Superior Temporal Sulcus on Adults with Autism Spectrum Disorder. <i>Frontiers in Neuroscience</i> , 2017, 11, 255.	2.8	24
47	Priming With Intermittent Theta Burst Transcranial Magnetic Stimulation Promotes Spinal Plasticity Induced by Peripheral Patterned Electrical Stimulation. <i>Frontiers in Neuroscience</i> , 2018, 12, 508.	2.8	20
48	Simultaneous stimulation in bilateral leg motor areas with intermittent theta burst stimulation to improve functional performance after stroke: a feasibility pilot study. <i>European Journal of Physical and Rehabilitation Medicine</i> , 2019, 55, 162-168.	2.2	20
49	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
50	Intermittent theta burst stimulation over the posterior superior temporal sulcus for children with autism spectrum disorder: A 4-week randomized blinded controlled trial followed by another 4-week open-label intervention. <i>Autism</i> , 2021, 25, 136236132199053.	4.1	18
51	Abnormal cortical excitability with preserved brainstem and spinal reflexes in sialidosis type I. <i>Clinical Neurophysiology</i> , 2008, 119, 1042-1050.	1.5	17
52	Validity and reliability of the Traditional Chinese version of the Multidimensional Fatigue Inventory in general population. <i>PLoS ONE</i> , 2018, 13, e0189850.	2.5	17
53	Parallel inhibition of cortico-muscular synchronization and cortico-spinal excitability by theta burst TMS in humans. <i>Clinical Neurophysiology</i> , 2008, 119, 2829-2838.	1.5	16
54	Cortical inhibitory and excitatory function in drug-naive generalized anxiety disorder. <i>Brain Stimulation</i> , 2017, 10, 604-608.	1.6	16

#	ARTICLE	IF	CITATIONS
55	The modulation of cortical motor circuits and spinal reflexes using theta burst stimulation in healthy and dystonic subjects. <i>Restorative Neurology and Neuroscience</i> , 2010, 28, 449-457.	0.7	14
56	Sleep disturbances in Taiwanese patients with Parkinson's disease. <i>Brain and Behavior</i> , 2017, 7, e00806.	2.2	14
57	Alda-1, an activator of ALDH2, ameliorates Achilles tendinopathy in cellular and mouse models. <i>Biochemical Pharmacology</i> , 2020, 175, 113919.	4.4	14
58	Neuromuscular electrical stimulation of the median nerve facilitates low motor cortex excitability in patients with spinocerebellar ataxia. <i>Journal of Electromyography and Kinesiology</i> , 2015, 25, 143-150.	1.7	13
59	Novel Use of Theta Burst Cortical Electrical Stimulation for Modulating Motor Plasticity in Rats. <i>Journal of Medical and Biological Engineering</i> , 2015, 35, 62-68.	1.8	12
60	Inter-cortical modulation from premotor to motor plasticity. <i>Journal of Physiology</i> , 2018, 596, 4207-4217.	2.9	12
61	Neuromodulatory Effects of Transcranial Direct Current Stimulation on Motor Excitability in Rats. <i>Neural Plasticity</i> , 2019, 2019, 1-9.	2.2	12
62	Cortical Electrical Stimulation Ameliorates Traumatic Brain Injury-Induced Sensorimotor and Cognitive Deficits in Rats. <i>Frontiers in Neural Circuits</i> , 2021, 15, 693073.	2.8	12
63	Selective modulation of motor cortical plasticity during voluntary contraction of the antagonist muscle. <i>European Journal of Neuroscience</i> , 2014, 39, 2083-2088.	2.6	11
64	Combined Assessment of Serum Alpha-Synuclein and Rab35 is a Better Biomarker for Parkinson's		

#	ARTICLE	IF	CITATIONS
73	The change of motor cortical excitability between eyes open and closed conditions. <i>NeuroReport</i> , 2018, 29, 214-218.	1.2	6
74	Parkinson's Disease Classification Using Machine Learning Approaches and Resting-State EEG. <i>Journal of Medical and Biological Engineering</i> , 2022, 42, 263-270.	1.8	6
75	Intensity Sensitive Modulation Effect of Theta Burst Form of Median Nerve Stimulation on the Monosynaptic Spinal Reflex. <i>Neural Plasticity</i> , 2015, 2015, 1-8.	2.2	5
76	Abnormal blink reflex recovery cycle in manifesting and nonmanifesting carriers of the DYT1 gene mutation. <i>NeuroReport</i> , 2016, 27, 1046-1049.	1.2	5
77	Mechanism of Fatigue Induced by Different Cycling Paradigms With Equivalent Dosage. <i>Frontiers in Physiology</i> , 2020, 11, 545.	2.8	5
78	PLA2G6 mutations cause motor dysfunction phenotypes of young-onset dystonia-parkinsonism type 14 and can be relieved by DHA treatment in animal models. <i>Experimental Neurology</i> , 2021, 346, 113863.	4.1	5
79	Age related changes of the motor excitabilities and central and peripheral muscle strength. <i>Journal of Electromyography and Kinesiology</i> , 2019, 44, 132-138.	1.7	4
80	Using surface electromyography to guide the activation during motor-evoked potential measurement: An activation control method for follow-up studies. <i>Brain Injury</i> , 2015, 29, 1661-1666.	1.2	3
81	Generation of induced pluripotent stem cells from a young-onset Parkinson's disease patient carrying the compound heterozygous PLA2G6 p.D331Y/p.M358IfsX mutations. <i>Stem Cell Research</i> , 2019, 40, 101552.	0.7	3
82	Impact of operator experience on transcranial magnetic stimulation. <i>Clinical Neurophysiology Practice</i> , 2022, 7, 42-48.	1.4	3
83	Safety of carotid artery stent in repetitive transcranial magnetic stimulation-The histopathological proof from swine carotid artery. <i>Neuroscience Letters</i> , 2017, 657, 194-198.	2.1	2
84	Nonmotor symptoms of 820 Taiwanese patients with Parkinson's disease: an exploratory-comparative study. <i>Journal of Neurology</i> , 2020, 267, 1499-1507.	3.6	2
85	Plasticity induction and modulation of the human motor cortex in health and disease. , 2012, , .		1
86	CART Peptides Differently Regulate Firing Rates and GABAergic Synaptic Inputs of DMV Neurons Innervating the Stomach Antrum and Cecum of Adult Male Rats. <i>Neuroendocrinology</i> , 2022, 112, 555-570.	2.5	1
87	Models of cortico-basal ganglia circuits and synaptic plasticity for transcranial magnetic stimulation. , 2012, , .		0
88	Functional variant rs17525453 within RAB35 gene promoter is possibly associated with increased risk of Parkinson's disease in Taiwanese population.. <i>Neurobiology of Aging</i> , 2021, 107, 189-196.	3.1	0
89	Strengthening the GABAergic System Through Neurofeedback Training Suppresses Implicit Motor Learning. <i>Neuroscience</i> , 2022, , .	2.3	0