

Jie Jia

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4557821/publications.pdf>

Version: 2024-02-01

96
papers

1,797
citations

218381

26
h-index

360668

35
g-index

104
all docs

104
docs citations

104
times ranked

2177
citing authors

#	ARTICLE	IF	CITATIONS
1	Enriched environment induces angiogenesis and improves neural function outcomes in rat stroke model. <i>Journal of the Neurological Sciences</i> , 2014, 347, 275-280.	0.3	55
2	Fast Recognition of BCI-Inefficient Users Using Physiological Features from EEG Signals: A Screening Study of Stroke Patients. <i>Frontiers in Neuroscience</i> , 2018, 12, 93.	1.4	55
3	BDNF Promotes EGF-Induced Proliferation and Migration of Human Fetal Neural Stem/Progenitor Cells via the PI3K/Akt Pathway. <i>Molecules</i> , 2011, 16, 10146-10156.	1.7	54
4	Cortical reorganization after motor imagery training in chronic stroke patients with severe motor impairment: a longitudinal fMRI study. <i>Neuroradiology</i> , 2013, 55, 913-925.	1.1	53
5	Suppression of mitochondrial fission in experimental cerebral ischemia: The potential neuroprotective target of p38 MAPK inhibition. <i>Neurochemistry International</i> , 2015, 90, 1-8.	1.9	53
6	Pre-ischemic treadmill training affects glutamate and gamma aminobutyric acid levels in the striatal dialysate of a rat model of cerebral ischemia. <i>Life Sciences</i> , 2009, 84, 505-511.	2.0	52
7	Wrist and Finger Gesture Recognition With Single-Element Ultrasound Signals: A Comparison With Single-Channel Surface Electromyogram. <i>IEEE Transactions on Biomedical Engineering</i> , 2019, 66, 1277-1284.	2.5	51
8	Altered intra- and inter-network functional coupling of resting-state networks associated with motor dysfunction in stroke. <i>Human Brain Mapping</i> , 2018, 39, 3388-3397.	1.9	50
9	A tensor-based scheme for stroke patients' motor imagery EEG analysis in BCI-FES rehabilitation training. <i>Journal of Neuroscience Methods</i> , 2014, 222, 238-249.	1.3	49
10	Decreased Functional Connectivity of Homotopic Brain Regions in Chronic Stroke Patients: A Resting State fMRI Study. <i>PLoS ONE</i> , 2016, 11, e0152875.	1.1	47
11	Protective effect of tetraethyl pyrazine against focal cerebral ischemia/reperfusion injury in rats: Therapeutic time window and its mechanism. <i>Thrombosis Research</i> , 2009, 123, 727-730.	0.8	45
12	Early Exercise Affects Mitochondrial Transcription Factors Expression after Cerebral Ischemia in Rats. <i>International Journal of Molecular Sciences</i> , 2012, 13, 1670-1679.	1.8	45
13	The Effect of Treadmill Training Pre-Exercise on Glutamate Receptor Expression in Rats after Cerebral Ischemia. <i>International Journal of Molecular Sciences</i> , 2010, 11, 2658-2669.	1.8	42
14	Pediatric premedication: a double-blind randomized trial of dexmedetomidine or ketamine alone versus a combination of dexmedetomidine and ketamine. <i>BMC Anesthesiology</i> , 2017, 17, 158.	0.7	42
15	BCI-Based Rehabilitation on the Stroke in Sequela Stage. <i>Neural Plasticity</i> , 2020, 2020, 1-10.	1.0	41
16	Exercise Pretreatment Promotes Mitochondrial Dynamic Protein OPA1 Expression after Cerebral Ischemia in Rats. <i>International Journal of Molecular Sciences</i> , 2014, 15, 4453-4463.	1.8	38
17	The plasticity of intrinsic functional connectivity patterns associated with rehabilitation intervention in chronic stroke patients. <i>Neuroradiology</i> , 2016, 58, 417-427.	1.1	38
18	Frequency-specific alterations of regional homogeneity in subcortical stroke patients with different outcomes in hand function. <i>Human Brain Mapping</i> , 2018, 39, 4373-4384.	1.9	37

#	ARTICLE	IF	CITATIONS
19	Pre-Ischemic Treadmill Training for Prevention of Ischemic Brain Injury via Regulation of Glutamate and Its Transporter GLT-1. <i>International Journal of Molecular Sciences</i> , 2012, 13, 9447-9459.	1.8	36
20	Altered Effective Connectivity of the Primary Motor Cortex in Stroke: A Resting-State fMRI Study with Granger Causality Analysis. <i>PLoS ONE</i> , 2016, 11, e0166210.	1.1	36
21	Pre-Ischemic Treadmill Training Induces Tolerance to Brain Ischemia: Involvement of Glutamate and ERK1/2. <i>Molecules</i> , 2010, 15, 5246-5257.	1.7	34
22	The Reorganization of Resting-State Brain Networks Associated With Motor Imagery Training in Chronic Stroke Patients. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2019, 27, 2237-2245.	2.7	34
23	The Effects of Exercise Preconditioning on Cerebral Blood Flow Change and Endothelin-1 Expression after Cerebral Ischemia in Rats. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2014, 23, 1696-1702.	0.7	32
24	Tactile Stimulation Improves Sensorimotor Rhythm-Based BCI Performance in Stroke Patients. <i>IEEE Transactions on Biomedical Engineering</i> , 2019, 66, 1987-1995.	2.5	32
25	Treadmill Pre-Training Ameliorates Brain Edema in Ischemic Stroke via Down-Regulation of Aquaporin-4: An MRI Study in Rats. <i>PLoS ONE</i> , 2014, 9, e84602.	1.1	32
26	Effect of Buyang Huanwu decoction on amino acid content in cerebrospinal fluid of rats during ischemic/reperfusion injury. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013, 86, 143-150.	1.4	31
27	Cooperative Control for A Hybrid Rehabilitation System Combining Functional Electrical Stimulation and Robotic Exoskeleton. <i>Frontiers in Neuroscience</i> , 2017, 11, 725.	1.4	28
28	Autophagy suppression by exercise pretreatment and p38 inhibition is neuroprotective in cerebral ischemia. <i>Brain Research</i> , 2014, 1587, 127-132.	1.1	27
29	Longitudinal Electroencephalography Analysis in Subacute Stroke Patients During Intervention of Brain-Computer Interface With Exoskeleton Feedback. <i>Frontiers in Neuroscience</i> , 2020, 14, 809.	1.4	27
30	Electro-acupuncture can alleviate the cerebral oedema of rat after ischemia. <i>Brain Injury</i> , 2011, 25, 895-900.	0.6	26
31	Using tDCS as an Add-On Treatment Prior to FES Therapy in Improving Upper Limb Function in Severe Chronic Stroke Patients: A Randomized Controlled Study. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 233.	1.0	24
32	Electroencephalography Mu Rhythm Changes and Decreased Spasticity After Repetitive Peripheral Magnetic Stimulation in Patients Following Stroke. <i>Frontiers in Neurology</i> , 2020, 11, 546599.	1.1	23
33	Gait identification using fractal analysis and support vector machine. <i>Soft Computing</i> , 2019, 23, 9287-9297.	2.1	21
34	Cellphone-Based Automated Fugl-Meyer Assessment to Evaluate Upper Extremity Motor Function After Stroke. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2019, 27, 2186-2195.	2.7	20
35	Effect of dexmedetomidine on prevention of postoperative nausea and vomiting in pediatric strabismus surgery: a randomized controlled study. <i>BMC Ophthalmology</i> , 2020, 20, 86.	0.6	18
36	The Differences Between Motor Attempt and Motor Imagery in Brain-Computer Interface Accuracy and Event-Related Desynchronization of Patients With Hemiplegia. <i>Frontiers in Neurorobotics</i> , 2021, 15, 706630.	1.6	17

#	ARTICLE	IF	CITATIONS
37	Exercise-induced neuroprotection against cerebral ischemia/reperfusion injury is mediated via alleviating inflammasome-induced pyroptosis. <i>Experimental Neurology</i> , 2022, 349, 113952.	2.0	17
38	Enriched Environment Enhances Poststroke Neurological Function Recovery on Rat: Involvement of p-ERK1/2. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2016, 25, 1590-1598.	0.7	16
39	Camera-Based Mirror Visual Feedback: Potential to Improve Motor Preparation in Stroke Patients. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2018, 26, 1897-1905.	2.7	16
40	Electrophysiological Evidences for the Rotational Uncertainty Effect in the Hand Mental Rotation: An ERP and ERS/ERD Study. <i>Neuroscience</i> , 2020, 432, 205-215.	1.1	16
41	Treadmill pre-training suppresses the release of glutamate resulting from cerebral ischemia in rats. <i>Experimental Brain Research</i> , 2010, 204, 173-179.	0.7	14
42	Cellphone Augmented Reality Game-based Rehabilitation for Improving Motor Function and Mental State after Stroke. , 2019, , .		14
43	Camera-Based Mirror Visual Input for Priming Promotes Motor Recovery, Daily Function, and Brain Network Segregation in Subacute Stroke Patients. <i>Neurorehabilitation and Neural Repair</i> , 2019, 33, 307-318.	1.4	14
44	Associated Mirror Therapy Enhances Motor Recovery of the Upper Extremity and Daily Function after Stroke: A Randomized Control Study. <i>Neural Plasticity</i> , 2021, 2021, 1-9.	1.0	14
45	Measuring and Localizing Individual Bites Using a Sensor Augmented Plate During Unrestricted Eating for the Aging Population. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2020, 24, 1509-1518.	3.9	13
46	Capturing Neuroplastic Changes after iTBS in Patients with Post-Stroke Aphasia: A Pilot fMRI Study. <i>Brain Sciences</i> , 2021, 11, 1451.	1.1	13
47	Mirror Visual Feedback Combining Vibrotactile Stimulation Promotes Embodiment Perception: An Electroencephalogram (EEG) Pilot Study. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 553270.	2.0	12
48	Evaluation and Diagnosis of Brain Diseases based on Non-invasive BCI. , 2021, , .		12
49	Effects of camera-based mirror visual feedback therapy for patients who had a stroke and the neural mechanisms involved: protocol of a multicentre randomised control study. <i>BMJ Open</i> , 2019, 9, e022828.	0.8	11
50	Relation Between Sensorimotor Rhythm During Motor Attempt/Imagery and Upper-Limb Motor Impairment in Stroke. <i>Clinical EEG and Neuroscience</i> , 2021, , 155005942110199.	0.9	11
51	Reconstruction of paralyzed arm function in patients with hemiplegia through contralateral seventh cervical nerve cross transfer: a multicenter study and real-world practice guidance. <i>EClinicalMedicine</i> , 2022, 43, 101258.	3.2	11
52	Biofeedback neuromuscular electrical stimulation front-end for dysphagia treatment. , 2014, , .		10
53	Dual-Wavelength Laser Speckle Contrast Imaging (dwLSCI) Improves Chronic Measurement of Superficial Blood Flow in Hands. <i>Sensors</i> , 2017, 17, 2811.	2.1	10
54	Comparison of USPIO-enhanced MRI and Gd-DTPA enhancement during the subacute stage of focal cerebral ischemia in rats. <i>Acta Radiologica</i> , 2014, 55, 864-873.	0.5	9

#	ARTICLE	IF	CITATIONS
55	The role of glutamate transporter-1 in the acquisition of brain ischaemic tolerance in rats induced by electro-acupuncture pre-treatment. <i>Brain Injury</i> , 2015, 29, 396-402.	0.6	9
56	Stroke Patients'™ Acceptance of a Smart Garment for Supporting Upper Extremity Rehabilitation. <i>IEEE Journal of Translational Engineering in Health and Medicine</i> , 2018, 6, 1-9.	2.2	9
57	Effectiveness of interventions to improve hand motor function in individuals with moderate to severe stroke: a systematic review protocol. <i>BMJ Open</i> , 2019, 9, e032413.	0.8	9
58	Translating Research Into Clinical Practice. <i>Stroke</i> , 2020, 51, 361-367.	1.0	9
59	The Impact of Electroacupuncture at Hegu, Shousanli, and Quchi Based on the Theory of Treating Flaccid Paralysis by Yangming Alone on Stroke Patients'™ EEG: A Pilot Study. <i>Evidence-based Complementary and Alternative Medicine</i> , 2020, 2020, 1-9.	0.5	9
60	Customizing Robot-Assisted Passive Neurorehabilitation Exercise Based on Teaching Training Mechanism. <i>BioMed Research International</i> , 2021, 2021, 1-10.	0.9	9
61	The effects of Jin's™ three-needle acupuncture therapy on EEG alpha rhythm of stroke patients. <i>Topics in Stroke Rehabilitation</i> , 2018, 25, 535-539.	1.0	8
62	An Inter- and Intra-Subject Transfer Calibration Scheme for Improving Feedback Performance of Sensorimotor Rhythm-Based BCI Rehabilitation. <i>Frontiers in Neuroscience</i> , 2020, 14, 629572.	1.4	8
63	RIPK1/RIPK3-Mediated Necroptosis is Involved in Sevoflurane-Induced Neonatal Neurotoxicity in the Rat Hippocampus. <i>Cellular and Molecular Neurobiology</i> , 2022, 42, 2235-2244.	1.7	8
64	Associations between Upper Extremity Motor Function and Aphasia after Stroke: A Multicenter Cross-Sectional Study. <i>Behavioural Neurology</i> , 2021, 2021, 1-10.	1.1	8
65	Electrooculogram based sleep stage classification using deep belief network. , 2015, , .		7
66	Reference Ranges Using Bioimpedance for Detection of Lymphedema in Chinese Women. <i>Lymphatic Research and Biology</i> , 2017, 15, 268-273.	0.5	7
67	Reduced Severity of Outcome of Recurrent Ipsilateral Transient Cerebral Ischemia Compared with Contralateral Transient Cerebral Ischemia in Rats. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2017, 26, 2915-2925.	0.7	7
68	Computer vision technology-based face mirroring system providing mirror therapy for Bell's™ palsy patients. <i>Disability and Rehabilitation</i> , 2020, 42, 833-840.	0.9	7
69	Proprioceptive Training with Visual Feedback Improves Upper Limb Function in Stroke Patients: A Pilot Study. <i>Neural Plasticity</i> , 2022, 2022, 1-10.	1.0	7
70	EEG-Based Brain Network Analysis of Chronic Stroke Patients After BCI Rehabilitation Training. <i>Frontiers in Human Neuroscience</i> , 0, 16, .	1.0	7
71	Dexmedetomidine versus midazolam on cough and recovery quality after partial and total laryngectomy – a randomized controlled trial. <i>BMC Anesthesiology</i> , 2020, 20, 249.	0.7	6
72	The Hua-Shan rehabilitation program after contralateral seventh cervical nerve transfer for spastic arm paralysis. <i>Disability and Rehabilitation</i> , 2022, 44, 404-411.	0.9	6

#	ARTICLE	IF	CITATIONS
73	Recent Advances of P300 Speller Paradigms and Algorithms. , 2021, , .		6
74	The Effect of Applying Robot-Assisted Task-Oriented Training Using Human-Robot Collaborative Interaction Force Control Technology on Upper Limb Function in Stroke Patients: Preliminary Findings. BioMed Research International, 2021, 2021, 1-8.	0.9	6
75	Separation and Recognition of Electroencephalogram Patterns Using Temporal Independent Component Analysis. International Journal of Pattern Recognition and Artificial Intelligence, 2015, 29, 1550001.	0.7	5
76	Weakened Effective Connectivity Related to Electroacupuncture in Stroke Patients with Prolonged Flaccid Paralysis: An EEG Pilot Study. Neural Plasticity, 2021, 2021, 1-10.	1.0	5
77	Long-term Effectiveness and Adoption of a Cellphone Augmented Reality System on Patients with Stroke: Randomized Controlled Trial. JMIR Serious Games, 2021, 9, e30184.	1.7	5
78	Diabetic polyneuropathy and carpal tunnel syndrome together affect hand strength, tactile sensation and dexterity in diabetes patients. Journal of Diabetes Investigation, 2021, 12, 2010-2018.	1.1	5
79	Diabetic Peripheral Neuropathy Affects Pinch Strength and Hand Dexterity in Elderly Patients. Neural Plasticity, 2021, 2021, 1-8.	1.0	5
80	EEG Channel Selection Methods for Motor Imagery in Brain Computer Interface. , 2022, , .		5
81	Circumference-Based Criteria for Detection of Secondary Arm Lymphedema for Chinese Women. Lymphatic Research and Biology, 2017, 15, 262-267.	0.5	4
82	Upper-limb functional assessment after stroke using mirror contraction: A pilot study. Artificial Intelligence in Medicine, 2020, 106, 101877.	3.8	4
83	Applications of Spiking Neural Network in Brain Computer Interface. , 2021, , .		4
84	Automatic Assessment of Facial Paralysis Based on Facial Landmarks. , 2021, , .		4
85	Mirror Visual Feedback Prior to Robot-Assisted Training Facilitates Rehabilitation After Stroke: A Randomized Controlled Study. Frontiers in Neurology, 2021, 12, 683703.	1.1	4
86	Electroacupuncture Alters BCI-Based Brain Network in Stroke Patients. Computational Intelligence and Neuroscience, 2022, 2022, 1-13.	1.1	4
87	Application of Combined Brain Computer Interface and Eye Tracking. , 2021, , .		3
88	Simple Grading for Motor Function in Spastic Arm Paralysis: Hua-Shan Grading of Upper Extremity. Journal of Stroke and Cerebrovascular Diseases, 2019, 28, 2140-2147.	0.7	2
89	Quantifying Eating Behavior With a Smart Plate in Patients With Arm Impairment After Stroke. , 2019, , .		2
90	Motor function and fALFF modulation in convalescent-period ischemic stroke patients after scalp acupuncture therapy: a multi-centre randomized controlled trial. Acupuncture in Medicine, 0, , 096452842210862.	0.4	2

#	ARTICLE	IF	CITATIONS
91	Brain Computer Interface for the Hand Function Restoration. , 2021, , .		1
92	Hypoperfusion Induced by Preconditioning Treadmill Training in Hyper-Early Reperfusion After Cerebral Ischemia: A Laser Speckle Imaging Study. IEEE Transactions on Biomedical Engineering, 2018, 65, 219-223.	2.5	0
93	The effect of two different doses of dexmedetomidine to prevent emergence agitation in children undergoing adenotonsillectomy: a randomized controlled trial. Brazilian Journal of Anesthesiology (Elsevier), 2021, , .	0.2	0
94	Effect of early functional exercise in rehabilitation workshop on postoperative complications and functional rehabilitation of affected limbs in patients with breast cancer. Minerva Surgery, 2021, , .	0.1	0
95	Exploring Alternative Measurements of Cardiorespiratory Fitness in Patients With Mild Ischemic Stroke at Acute Phase. Frontiers in Neurology, 2022, 13, 801696.	1.1	0
96	Assessment of sEMG Performance and its Correlation with Upper Fugl-Meyer Assessment in Stroke Patients. , 2021, , .		0