

Jie Jia

List of Publications by Year in descending order

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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	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
2	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
3	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
4	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
5	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
6	Exploring Alternative Measurements of Cardiorespiratory Fitness in Patients With Mild Ischemic Stroke at Acute Phase. <i>Frontiers in Neurology</i> , 2022, 13, 801696.	1.1	0
7	EEG Channel Selection Methods for Motor Imagery in Brain Computer Interface. , 2022, , .		5
8	Electroacupuncture Alters BCI-Based Brain Network in Stroke Patients. <i>Computational Intelligence and Neuroscience</i> , 2022, 2022, 1-13.	1.1	4
9	Recent Advances of P300 Speller Paradigms and Algorithms. , 2021, , .		6
10	Brain Computer Interface for the Hand Function Restoration. , 2021, , .		1
11	Evaluation and Diagnosis of Brain Diseases based on Non-invasive BCI. , 2021, , .		12
12	Applications of Spiking Neural Network in Brain Computer Interface. , 2021, , .		4
13	Application of Combined Brain Computer Interface and Eye Tracking. , 2021, , .		3
14	Weakened Effective Connectivity Related to Electroacupuncture in Stroke Patients with Prolonged Flaccid Paralysis: An EEG Pilot Study. <i>Neural Plasticity</i> , 2021, 2021, 1-10.	1.0	5
15	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
16	Long-term Effectiveness and Adoption of a Cellphone Augmented Reality System on Patients with Stroke: Randomized Controlled Trial. <i>JMIR Serious Games</i> , 2021, 9, e30184.	1.7	5
17	Customizing Robot-Assisted Passive Neurorehabilitation Exercise Based on Teaching Training Mechanism. <i>BioMed Research International</i> , 2021, 2021, 1-10.	0.9	9
18	Diabetic polyneuropathy and carpal tunnel syndrome together affect hand strength, tactile sensation and dexterity in diabetes patients. <i>Journal of Diabetes Investigation</i> , 2021, 12, 2010-2018.	1.1	5

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19	Automatic Assessment of Facial Paralysis Based on Facial Landmarks. , 2021, , .		4
20	Diabetic Peripheral Neuropathy Affects Pinch Strength and Hand Dexterity in Elderly Patients. Neural Plasticity, 2021, 2021, 1-8.	1.0	5
21	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
22	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
23	Associated Mirror Therapy Enhances Motor Recovery of the Upper Extremity and Daily Function after Stroke: A Randomized Control Study. Neural Plasticity, 2021, 2021, 1-9.	1.0	14
24	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
25	Capturing Neuroplastic Changes after iTBS in Patients with Post-Stroke Aphasia: A Pilot fMRI Study. Brain Sciences, 2021, 11, 1451.	1.1	13
26	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
27	The Differences Between Motor Attempt and Motor Imagery in Brain-Computer Interface Accuracy and Event-Related Desynchronization of Patients With Hemiplegia. Frontiers in Neuroinformatics, 2021, 15, 706630.	1.6	17
28	Associations between Upper Extremity Motor Function and Aphasia after Stroke: A Multicenter Cross-Sectional Study. Behavioural Neurology, 2021, 2021, 1-10.	1.1	8
29	Assessment of sEMG Performance and its Correlation with Upper Fugl-Meyer Assessment in Stroke Patients. , 2021, , .		0
30	Computer vision technology-based face mirroring system providing mirror therapy for Bell's palsy patients. Disability and Rehabilitation, 2020, 42, 833-840.	0.9	7
31	Measuring and Localizing Individual Bites Using a Sensor Augmented Plate During Unrestricted Eating for the Aging Population. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 1509-1518.	3.9	13
32	Translating Research Into Clinical Practice. Stroke, 2020, 51, 361-367.	1.0	9
33	Electroencephalography Mu Rhythm Changes and Decreased Spasticity After Repetitive Peripheral Magnetic Stimulation in Patients Following Stroke. Frontiers in Neurology, 2020, 11, 546599.	1.1	23
34	Dexmedetomidine versus midazolam on cough and recovery quality after partial and total laryngectomy – a randomized controlled trial. BMC Anesthesiology, 2020, 20, 249.	0.7	6
35	Longitudinal Electroencephalography Analysis in Subacute Stroke Patients During Intervention of Brain-Computer Interface With Exoskeleton Feedback. Frontiers in Neuroscience, 2020, 14, 809.	1.4	27
36	Mirror Visual Feedback Combining Vibrotactile Stimulation Promotes Embodiment Perception: An Electroencephalogram (EEG) Pilot Study. Frontiers in Bioengineering and Biotechnology, 2020, 8, 553270.	2.0	12

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37	BCI-Based Rehabilitation on the Stroke in Sequela Stage. <i>Neural Plasticity</i> , 2020, 2020, 1-10.	1.0	41
38	The Impact of Electroacupuncture at Hegu, Shousanli, and Quchi Based on the Theory "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
39	Upper-limb functional assessment after stroke using mirror contraction: A pilot study. <i>Artificial Intelligence in Medicine</i> , 2020, 106, 101877.	3.8	4
40	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
41	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
42	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
43	Cellphone Augmented Reality Game-based Rehabilitation for Improving Motor Function and Mental State after Stroke. , 2019, , .		14
44	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
45	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
46	Simple Grading for Motor Function in Spastic Arm Paralysis: Hua-Shan Grading of Upper Extremity. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2019, 28, 2140-2147.	0.7	2
47	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
48	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
49	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
50	Quantifying Eating Behavior With a Smart Plate in Patients With Arm Impairment After Stroke. , 2019, , .		2
51	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
52	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
53	Gait identification using fractal analysis and support vector machine. <i>Soft Computing</i> , 2019, 23, 9287-9297.	2.1	21
54	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

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55	Hypoperfusion Induced by Preconditioning Treadmill Training in Hyper-Early Reperfusion After Cerebral Ischemia: A Laser Speckle Imaging Study. <i>IEEE Transactions on Biomedical Engineering</i> , 2018, 65, 219-223.	2.5	0
56	The effects of Jinâ€™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
57	Stroke Patientsâ€™ 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
58	Frequencyâ€™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
59	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
60	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
61	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
62	Reference Ranges Using Bioimpedance for Detection of Lymphedema in Chinese Women. <i>Lymphatic Research and Biology</i> , 2017, 15, 268-273.	0.5	7
63	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
64	Circumference-Based Criteria for Detection of Secondary Arm Lymphedema for Chinese Women. <i>Lymphatic Research and Biology</i> , 2017, 15, 262-267.	0.5	4
65	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
66	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
67	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
68	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
69	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
70	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
71	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
72	Separation and Recognition of Electroencephalogram Patterns Using Temporal Independent Component Analysis. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 2015, 29, 1550001.	0.7	5

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73	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
74	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
75	Electrooculogram based sleep stage classification using deep belief network. , 2015, , .		7
76	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
77	Biofeedback neuromuscular electrical stimulation front-end for dysphagia treatment. , 2014, , .		10
78	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
79	A tensor-based scheme for stroke patients's motor imagery EEG analysis in BCI-FES rehabilitation training. <i>Journal of Neuroscience Methods</i> , 2014, 222, 238-249.	1.3	49
80	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
81	Autophagy suppression by exercise pretreatment and p38 inhibition is neuroprotective in cerebral ischemia. <i>Brain Research</i> , 2014, 1587, 127-132.	1.1	27
82	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
83	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
84	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
85	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
86	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
87	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
88	Electro-acupuncture can alleviate the cerebral oedema of rat after ischemia. <i>Brain Injury</i> , 2011, 25, 895-900.	0.6	26
89	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
90	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

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91	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
92	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
93	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
94	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
95	EEG-Based Brain Network Analysis of Chronic Stroke Patients After BCI Rehabilitation Training. <i>Frontiers in Human Neuroscience</i> , 0, 16, .	1.0	7
96	Motor function and fALFF modulation in convalescent-period ischemic stroke patients after scalp acupuncture therapy: a multi-centre randomized controlled trial. <i>Acupuncture in Medicine</i> , 0, , 096452842210862.	0.4	2