

Plasticity during stroke recovery: from synapse to beha

Nature Reviews Neuroscience

10, 861-872

DOI: [10.1038/nrn2735](https://doi.org/10.1038/nrn2735)

Citation Report

#	ARTICLE	IF	CITATIONS
1	The Effect of a Clinically Practical Exercise on Levodopa Bioavailability and Motor Response in Patients With Parkinson Disease. <i>Clinical Neuropharmacology</i> , 2010, 33, 254-256.	0.2	9
2	Combining brain-computer interfaces and assistive technologies: state-of-the-art and challenges. <i>Frontiers in Neuroscience</i> , 2010, 1, .	1.4	476
3	Prediction of recovery of motor function after stroke. <i>Lancet Neurology</i> , The, 2010, 9, 1228-1232.	4.9	355
4	An exploration of the association between very early rehabilitation and outcome for the patients with acute ischaemic stroke in Japan: a nationwide retrospective cohort survey. <i>BMC Health Services Research</i> , 2010, 10, 213.	0.9	45
5	Neurorehabilitation using the virtual reality based Rehabilitation Gaming System: methodology, design, psychometrics, usability and validation. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2010, 7, 48.	2.4	265
6	Stroke: Working toward a Prioritized World Agenda. <i>International Journal of Stroke</i> , 2010, 5, 238-256.	2.9	89
7	How hard is the CNS hardware?. <i>Nature Neuroscience</i> , 2010, 13, 1444-1446.	7.1	9
8	Plasticity resembling spike-timing dependent synaptic plasticity: the evidence in human cortex. <i>Frontiers in Synaptic Neuroscience</i> , 2010, 2, 34.	1.3	94
9	Bilateral movement therapy post-stroke: underlying mechanisms and review. <i>International Journal of Therapy and Rehabilitation</i> , 2010, 17, 15-23.	0.1	3
10	Review: Neurorehabilitation With Neural Transplantation. <i>Neurorehabilitation and Neural Repair</i> , 2010, 24, 692-701.	1.4	44
11	Stroke: Working toward a Prioritized World Agenda. <i>Cerebrovascular Diseases</i> , 2010, 30, 127-147.	0.8	25
12	Altering function in cortical networks by short-latency, paired stimulation. , 2010, 2010, 1674-7.		2
13	Rodent Models of Intracerebral Hemorrhage. <i>Stroke</i> , 2010, 41, S95-8.	1.0	101
14	Genetic Deletion of Paired Immunoglobulin-Like Receptor B Does Not Promote Axonal Plasticity or Functional Recovery after Traumatic Brain Injury. <i>Journal of Neuroscience</i> , 2010, 30, 13045-13052.	1.7	56
15	Stroke: Working Toward a Prioritized World Agenda. <i>Stroke</i> , 2010, 41, 1084-1099.	1.0	122
16	In Vivo 2-Photon Imaging of Fine Structure in the Rodent Brain. <i>Stroke</i> , 2010, 41, S117-23.	1.0	52
17	Neural Plasticity After Acquired Brain Injury: Evidence from Functional Neuroimaging. <i>PM and R</i> , 2010, 2, S306-12.	0.9	80
18	The role of the vagus nerve in stroke. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2010, 158, 8-12.	1.4	41

#	ARTICLE	IF	CITATIONS
19	Rehabilitation after intracerebral hemorrhage in rats improves recovery with enhanced dendritic complexity but no effect on cell proliferation. <i>Behavioural Brain Research</i> , 2010, 214, 42-47.	1.2	46
20	The Science of Stroke: Mechanisms in Search of Treatments. <i>Neuron</i> , 2010, 67, 181-198.	3.8	1,628
21	Closing the sensorimotor loop: Haptic feedback facilitates decoding of arm movement imagery. , 2010, , .		17
22	Widespread cortical expression of MANF by AAV serotype 7: Localization and protection against ischemic brain injury. <i>Experimental Neurology</i> , 2010, 225, 104-113.	2.0	78
23	Epidural ECoG Online Decoding of Arm Movement Intention in Hemiparesis. , 2010, , .		6
24	Rethinking aphasia therapy: A neuroscience perspective. <i>International Journal of Speech-Language Pathology</i> , 2011, 13, 11-20.	0.6	23
25	Towards brain-robot interfaces in stroke rehabilitation. , 2011, 2011, 5975385.		52
26	Detection of movement intention from single-trial movement-related cortical potentials. <i>Journal of Neural Engineering</i> , 2011, 8, 066009.	1.8	208
27	The development of an upper limb stroke rehabilitation robot: identification of clinical practices and design requirements through a survey of therapists. <i>Disability and Rehabilitation: Assistive Technology</i> , 2011, 6, 420-431.	1.3	64
28	Closing the sensorimotor loop: haptic feedback facilitates decoding of motor imagery. <i>Journal of Neural Engineering</i> , 2011, 8, 036005.	1.8	152
29	Skilled reaching training promotes astroglial changes and facilitated sensorimotor recovery after collagenase-induced intracerebral hemorrhage. <i>Experimental Neurology</i> , 2011, 227, 53-61.	2.0	44
31	The Neural Architecture of the Language Comprehension Network: Converging Evidence from Lesion and Connectivity Analyses. <i>Frontiers in Systems Neuroscience</i> , 2011, 5, 1.	1.2	749
32	Two-Photon Microscopy for Chemical Neuroscience. <i>ACS Chemical Neuroscience</i> , 2011, 2, 185-197.	1.7	72
33	Exploring the synergies of a hybrid BCI - VR neurorehabilitation system. , 2011, , .		7
34	Inherited peripheral neuropathies: a myriad of genes and complex phenotypes. <i>Brain</i> , 2011, 134, 1587-1590.	3.7	5
35	Cellular Mechanisms of Neurovascular Damage and Repair After Stroke. <i>Journal of Child Neurology</i> , 2011, 26, 1193-1198.	0.7	114
36	Mildronate treatment improves functional recovery following middle cerebral artery occlusion in rats. <i>Behavioural Brain Research</i> , 2011, 222, 26-32.	1.2	29
37	Corticospinal tract fibers cross the ephrin-B3-negative part of the midline of the spinal cord after brain injury. <i>Neuroscience Research</i> , 2011, 69, 187-195.	1.0	25

#	ARTICLE	IF	CITATIONS
38	Whatâ€™s the â€œcatchâ€•in upper-limb post-stroke spasticity: Expanding the role of botulinum toxin applications. <i>Parkinsonism and Related Disorders</i> , 2011, 17, S3-S10.	1.1	22
39	Effects of treadmill exercise on the expression of netrin-1 and its receptors in rat brain after cerebral ischemia. <i>Neuroscience</i> , 2011, 194, 349-358.	1.1	36
40	From REM sleep behaviour disorder to status dissociatus: Insights into the maze of states of being. <i>Sleep Medicine</i> , 2011, 12, S68-S71.	0.8	11
41	A<i>Î²</i> and A<i>Î³</i> but not C-fibres are involved in stroke related pain and allodynia: an experimental study in mice. <i>Journal of Pharmacy and Pharmacology</i> , 2011, 63, 452-456.	1.2	28
42	Kinematic analyses reveal impaired locomotion following injury of the motor cortex in mice. <i>Experimental Neurology</i> , 2011, 230, 280-290.	2.0	27
43	Stroke rehabilitation. <i>Lancet, The</i> , 2011, 377, 1693-1702.	6.3	1,961
44	Combining BMI Stimulation and Mathematical Modeling for Acute Stroke Recovery and Neural Repair. <i>Frontiers in Neuroscience</i> , 2011, 5, 87.	1.4	7
45	The P2 Receptor Antagonist PPADS Supports Recovery from Experimental Stroke In Vivo. <i>PLoS ONE</i> , 2011, 6, e19983.	1.1	43
46	Mobilisation of Hematopoietic CD34+ Precursor Cells in Patients with Acute Stroke Is Safe - Results of an Open-Labeled Non Randomized Phase I/II Trial. <i>PLoS ONE</i> , 2011, 6, e23099.	1.1	28
47	SC1/Hevin and Reactive Gliosis After Transient Ischemic Stroke in Young and Aged Rats. <i>Journal of Neuropathology and Experimental Neurology</i> , 2011, 70, 913-929.	0.9	45
48	Direct and Indirect Therapy: Neurostimulation for the Treatment of Dysphagia After Stroke. <i>Medical Radiology</i> , 2011, , 519-538.	0.0	1
49	Matrix metalloproteinase inhibition counteracts impairment of cortical experienceâ€•dependent plasticity after photothrombotic stroke. <i>European Journal of Neuroscience</i> , 2011, 33, 2238-2246.	1.2	13
50	Constraint-Induced Movement Therapy for the Upper Paretic Limb in Acute or Sub-Acute Stroke: A Systematic Review. <i>International Journal of Stroke</i> , 2011, 6, 425-433.	2.9	82
51	Macrophage Migration Inhibitory Factor Promotes Cell Death and Aggravates Neurologic Deficits after Experimental Stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011, 31, 1093-1106.	2.4	91
52	Enriched environment downregulates macrophage migration inhibitory factor and increases parvalbumin in the brain following experimental stroke. <i>Neurobiology of Disease</i> , 2011, 41, 270-278.	2.1	24
53	Â¿CÃ³mo reparar el daÃ±o cerebral isquÃ©mico? Utilidad de los modelos experimentales en la bÃ©squeda de respuestas. <i>NeurologÃ­a</i> , 2011, 26, 65-73.	0.3	7
54	Experience-dependent neural plasticity in the adult damaged brain. <i>Journal of Communication Disorders</i> , 2011, 44, 538-48.	0.8	74
55	Transport of epidermal growth factor in the stroke-injured brain. <i>Journal of Controlled Release</i> , 2011, 149, 225-235.	4.8	22

#	ARTICLE	IF	CITATIONS
56	Spine plasticity in the motor cortex. <i>Current Opinion in Neurobiology</i> , 2011, 21, 169-174.	2.0	91
57	Real-time monitoring of spatial and temporal metabolic changes during focal cerebral ischemia in rats. <i>Brain Research</i> , 2011, 1389, 125-132.	1.1	5
58	Nerve injury-induced changes in GABAA and GABAB sub-unit expression in area 3b and cuneate nucleus of adult squirrel monkeys: Further evidence of developmental recapitulation. <i>Brain Research</i> , 2011, 1415, 63-75.	1.1	12
59	Old dogs learning new tricks: Neuroplasticity beyond the juvenile period. <i>Developmental Review</i> , 2011, 31, 207-239.	2.6	49
60	Towards human clinical application of emerging optogenetics technology. <i>Biomedical Engineering Letters</i> , 2011, 1, 207-212.	2.1	5
61	Experimental approaches to study functional recovery following cerebral ischemia. <i>Cellular and Molecular Life Sciences</i> , 2011, 68, 3007-3017.	2.4	43
62	The effect of baclofen and diazepam on motor skill acquisition in healthy subjects. <i>Experimental Brain Research</i> , 2011, 213, 465-474.	0.7	18
63	Axonal Reconstructions Going Live. <i>Neuroinformatics</i> , 2011, 9, 129-131.	1.5	7
64	Rehabilitation of gait after stroke: a review towards a top-down approach. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2011, 8, 66.	2.4	396
65	Reflections of experience—expectant development in repair of the adult damaged brain. <i>Developmental Psychobiology</i> , 2011, 53, 466-475.	0.9	28
66	Depression: A repair response to stress-induced neuronal microdamage that can grade into a chronic neuroinflammatory condition?. <i>Neuroscience and Biobehavioral Reviews</i> , 2011, 35, 742-764.	2.9	133
67	Stimulus-driven changes in sensorimotor behavior and neuronal functional connectivity. <i>Progress in Brain Research</i> , 2011, 192, 83-102.	0.9	12
68	Axonal remodeling for motor recovery after traumatic brain injury requires downregulation of β -aminobutyric acid signaling. <i>Cell Death and Disease</i> , 2011, 2, e133-e133.	2.7	29
69	Human neural stem cells enhance structural plasticity and axonal transport in the ischaemic brain. <i>Brain</i> , 2011, 134, 1777-1789.	3.7	296
70	Develop a wearable ankle robot for in-bed acute stroke rehabilitation. , 2011, 2011, 7483-6.		7
71	Rehabilitation Promotes Recovery After Whole Blood—Induced Intracerebral Hemorrhage in Rats. <i>Neurorehabilitation and Neural Repair</i> , 2011, 25, 477-483.	1.4	24
72	Using brain—computer interfaces to induce neural plasticity and restore function. <i>Journal of Neural Engineering</i> , 2011, 8, 025004.	1.8	169
73	Enhanced detection threshold for <i>in vivo</i> cortical stimulation produced by Hebbian conditioning. <i>Journal of Neural Engineering</i> , 2011, 8, 016011.	1.8	33

#	ARTICLE	IF	CITATIONS
74	Targeted mini-strokes produce changes in interhemispheric sensory signal processing that are indicative of disinhibition within minutes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, E183-91.	3.3	132
75	A Critical Threshold of Rehabilitation Involving Brain-Derived Neurotrophic Factor Is Required for Poststroke Recovery. <i>Neurorehabilitation and Neural Repair</i> , 2011, 25, 740-748.	1.4	121
76	Regenerative Medicine for Stroke – Are We There Yet?. <i>Cerebrovascular Diseases</i> , 2011, 31, 544-551.	0.8	16
77	Î²-Opioid Receptor Inhibition of Calcium Oscillations in Spinal Cord Neurons. <i>Molecular Pharmacology</i> , 2011, 79, 1061-1071.	1.0	9
78	Stem cells in stroke management. <i>Reviews in Clinical Gerontology</i> , 2011, 21, 125-140.	0.5	0
79	Virtual reality based rehabilitation speeds up functional recovery of the upper extremities after stroke: A randomized controlled pilot study in the acute phase of stroke using the Rehabilitation Gaming System. <i>Restorative Neurology and Neuroscience</i> , 2011, 29, 287-298.	0.4	201
80	Global impairment and therapeutic restoration of visual plasticity mechanisms after a localized cortical stroke. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 15450-15455.	3.3	48
81	Neuroprotection and Recovery: Recent Data at the Bench on Citicoline. <i>Stroke</i> , 2011, 42, S33-S35.	1.0	49
82	Amount but Not Pattern of Protective Sensory Stimulation Alters Recovery After Permanent Middle Cerebral Artery Occlusion. <i>Stroke</i> , 2011, 42, 792-798.	1.0	21
83	Restoring Neuronal Function After Stroke by Cell Replacement. <i>Stroke</i> , 2011, 42, 2342-2350.	1.0	41
84	Therapeutic stem cell plasticity orchestrates tissue plasticity. <i>Brain</i> , 2011, 134, 1585-1587.	3.7	24
85	Mild Sensory Stimulation Reestablishes Cortical Function during the Acute Phase of Ischemia. <i>Journal of Neuroscience</i> , 2011, 31, 11495-11504.	1.7	37
86	The sigma-1 receptor enhances brain plasticity and functional recovery after experimental stroke. <i>Brain</i> , 2011, 134, 732-746.	3.7	144
87	Pilot Scheme of Health Policy in Stroke Adjuvant Acupuncture Therapy for Acute and Subacute Ischemic Stroke in Taiwan. <i>Evidence-based Complementary and Alternative Medicine</i> , 2011, 2011, 1-9.	0.5	16
88	Modulation of Neural Plasticity as a Basis for Stroke Rehabilitation. <i>Stroke</i> , 2012, 43, 2819-2828.	1.0	220
89	The Neurorehabilitation Training Toolkit (NTT): A Novel Worldwide Accessible Motor Training Approach for At-Home Rehabilitation after Stroke. <i>Stroke Research and Treatment</i> , 2012, 2012, 1-13.	0.5	11
90	High Density Electroencephalography in Sleep Research: Potential, Problems, Future Perspective. <i>Frontiers in Neurology</i> , 2012, 3, 77.	1.1	45
91	Neural stem cell transplantation in central nervous system disorders. <i>Current Opinion in Neurology</i> , 2012, 25, 322-333.	1.8	162

#	ARTICLE	IF	CITATIONS
92	Parietofrontal integrity determines neural modulation associated with grasping imagery after stroke. <i>Brain</i> , 2012, 135, 596-614.	3.7	131
93	Extent of Bilateral Neuronal Network Reorganization and Functional Recovery in Relation to Stroke Severity. <i>Journal of Neuroscience</i> , 2012, 32, 4495-4507.	1.7	208
94	Bidirectional influence of sodium channel activation on NMDA receptor-dependent cerebrocortical neuron structural plasticity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 19840-19845.	3.3	39
95	Brain Excitability in Stroke. <i>Archives of Neurology</i> , 2012, 69, 161.	4.9	191
96	Intraspinal rewiring of the corticospinal tract requires target-derived brain-derived neurotrophic factor and compensates lost function after brain injury. <i>Brain</i> , 2012, 135, 1253-1267.	3.7	101
97	Back seat driving: hindlimb corticospinal neurons assume forelimb control following ischaemic stroke. <i>Brain</i> , 2012, 135, 3265-3281.	3.7	83
98	Levodopa Treatment Improves Functional Recovery After Experimental Stroke. <i>Stroke</i> , 2012, 43, 507-513.	1.0	59
99	Functional outcome of pannexin-deficient mice after cerebral ischemia. <i>Channels</i> , 2012, 6, 453-456.	1.5	53
100	Visual Attentional Load Influences Plasticity in the Human Motor Cortex. <i>Journal of Neuroscience</i> , 2012, 32, 7001-7008.	1.7	60
101	Selective Vulnerability of Synaptic Signaling and Metabolism to Nitrosative Stress. <i>Antioxidants and Redox Signaling</i> , 2012, 17, 992-1012.	2.5	17
102	Diabetes Impairs Cortical Plasticity and Functional Recovery Following Ischemic Stroke. <i>Journal of Neuroscience</i> , 2012, 32, 5132-5143.	1.7	70
103	A Detrimental Role of MIF in Ischemic Brain Damage. , 2012, , 361-375.		0
104	Continuous electroencephalography monitoring for early prediction of neurological outcome in postanoxic patients after cardiac arrest. <i>Critical Care Medicine</i> , 2012, 40, 2867-2875.	0.4	244
105	Chronic electrical stimulation of transected peripheral nerves preserves anatomy and function in the primary somatosensory cortex. <i>European Journal of Neuroscience</i> , 2012, 36, 3679-3690.	1.2	11
106	Optogenetic Analysis of Neuronal Excitability during Global Ischemia Reveals Selective Deficits in Sensory Processing following Reperfusion in Mouse Cortex. <i>Journal of Neuroscience</i> , 2012, 32, 13510-13519.	1.7	24
107	Intra-parenchymal ferrous iron infusion causes neuronal atrophy, cell death and progressive tissue loss: Implications for intracerebral hemorrhage. <i>Experimental Neurology</i> , 2012, 237, 363-369.	2.0	29
108	Extrasynaptic GABA _A Receptors: Their Function in the CNS and Implications for Disease. <i>Neuron</i> , 2012, 73, 23-34.	3.8	568
109	Distinct Cortical Circuit Mechanisms for Complex Forelimb Movement and Motor Map Topography. <i>Neuron</i> , 2012, 74, 397-409.	3.8	138

#	ARTICLE	IF	CITATIONS
110	Brief mitochondrial inhibition causes lasting changes in motor behavior and corticostriatal synaptic physiology in the Fischer 344 rat. <i>Neuroscience</i> , 2012, 215, 149-159.	1.1	11
111	Inhibition of EphA4 signaling after ischemiaâ€“reperfusion reduces apoptosis of CA1 pyramidal neurons. <i>Neuroscience Letters</i> , 2012, 518, 92-95.	1.0	28
112	Does the endogenous neurogenic response alter behavioral recovery following stroke?. <i>Behavioural Brain Research</i> , 2012, 227, 426-432.	1.2	30
113	Brain Stimulation, Learning, and Memory. <i>New England Journal of Medicine</i> , 2012, 366, 563-565.	13.9	1
114	Post-anesthetic cortical blindness in cats: Twenty cases. <i>Veterinary Journal</i> , 2012, 193, 367-373.	0.6	63
115	Staged decline of neuronal function in vivo in an animal model of Alzheimer's disease. <i>Nature Communications</i> , 2012, 3, 774.	5.8	116
116	Targeting Unlesioned Pharyngeal Motor Cortex Improves Swallowing in Healthy Individuals and After Dysphagic Stroke. <i>Gastroenterology</i> , 2012, 142, 29-38.	0.6	71
117	Changes in regional brain volume three months after stroke. <i>Journal of the Neurological Sciences</i> , 2012, 322, 122-128.	0.3	75
118	Treatment of Damaged Brain Following a Stroke: New Strategies. <i>Stem Cells and Cancer Stem Cells</i> , 2012, , 227-234.	0.1	0
119	Getting Neurorehabilitation Right. <i>Neurorehabilitation and Neural Repair</i> , 2012, 26, 923-931.	1.4	473
121	Comparative Effect of Treadmill Exercise on Mature BDNF Production in Control versus Stroke Rats. <i>PLoS ONE</i> , 2012, 7, e44218.	1.1	65
122	Associations of BDNF Genotype and Promoter Methylation with Acute and Long-Term Stroke Outcomes in an East Asian Cohort. <i>PLoS ONE</i> , 2012, 7, e51280.	1.1	79
123	In vivo Large-Scale Cortical Mapping Using Channelrhodopsin-2 Stimulation in Transgenic Mice Reveals Asymmetric and Reciprocal Relationships between Cortical Areas. <i>Frontiers in Neural Circuits</i> , 2012, 6, 11.	1.4	139
124	Long-term sensory stimulation therapy improves hand function and restores cortical responsiveness in patients with chronic cerebral lesions. Three single case studies. <i>Frontiers in Human Neuroscience</i> , 2012, 6, 244.	1.0	39
125	Current Status and Therapeutic Perspectives for the Stem Cells Treatment of Ischemic Stroke. <i>Hanyang Medical Reviews</i> , 2012, 32, 134.	0.4	0
126	Diaschisis, Degeneration, and Adaptive Plasticity After Focal Ischemic Stroke. , 0, , .		6
127	Delayed Administration of a Small Molecule Tropomyosin-Related Kinase B Ligand Promotes Recovery After Hypoxicâ€“ischemic Stroke. <i>Stroke</i> , 2012, 43, 1918-1924.	1.0	63
128	Animal Models of Neurological Disorders. <i>Neurotherapeutics</i> , 2012, 9, 241-244.	2.1	64

#	ARTICLE	IF	CITATIONS
129	Cardiovascular and neurological causes of sudden death after ischaemic stroke. <i>Lancet Neurology</i> , The, 2012, 11, 179-188.	4.9	212
130	Promoting brain remodelling and plasticity for stroke recovery: therapeutic promise and potential pitfalls of clinical translation. <i>Lancet Neurology</i> , The, 2012, 11, 369-380.	4.9	292
131	Pathophysiologic Cascades in Ischemic Stroke. <i>International Journal of Stroke</i> , 2012, 7, 378-385.	2.9	319
132	Inhibition of prolyl hydroxylases by dimethyloxaloylglycine after stroke reduces ischemic brain injury and requires hypoxia inducible factor-1 α . <i>Neurobiology of Disease</i> , 2012, 45, 733-742.	2.1	120
133	Melanocortins as potential therapeutic agents in severe hypoxic conditions. <i>Frontiers in Neuroendocrinology</i> , 2012, 33, 179-193.	2.5	31
134	Experience-dependent brain plasticity after stroke: effect of ibuprofen and poststroke delay. <i>European Journal of Neuroscience</i> , 2012, 36, 2632-2639.	1.2	16
135	Characterizing the Protocol for Early Modified Constraint-Induced Movement Therapy in the EXPLICIT Stroke Trial. <i>Physiotherapy Research International</i> , 2013, 18, 1-15.	0.7	15
136	The Festivals Trial Protocol: A Randomized Evaluation of the Efficacy of Functional Strength Training on Enhancing Walking and Upper Limb Function Later Post Stroke. <i>International Journal of Stroke</i> , 2013, 8, 374-382.	2.9	4
137	Radical Orthodoxy. , 2013, , 1943-1947.		0
138	Brain-machine interface in chronic stroke rehabilitation: A controlled study. <i>Annals of Neurology</i> , 2013, 74, 100-108.	2.8	754
139	Motor learning principles for neurorehabilitation. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2013, 110, 93-103.	1.0	255
140	Functional recovery of the dentate gyrus after a focal lesion is accompanied by structural reorganization in the adult rat. <i>Brain Structure and Function</i> , 2013, 218, 437-453.	1.2	12
141	Recent advances of optical imaging in animal stroke model. <i>Frontiers of Optoelectronics</i> , 2013, 6, 134-145.	1.9	3
142	Transplantation of Bone Marrow Stromal Cells Enhances Nerve Regeneration of the Corticospinal Tract and Improves Recovery of Neurological Functions in a Collagenase-Induced Rat Model of Intracerebral Hemorrhage. <i>Molecules and Cells</i> , 2013, 36, 17-24.	1.0	25
143	Cerebral palsy. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2013, 111, 183-195.	1.0	137
144	Effect of Early and Late Rehabilitation Onset in a Chronic Rat Model of Ischemic Stroke Assessment of Motor Cortex Signaling and Gait Functionality Over Time. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2013, 21, 1006-1015.	2.7	23
145	A behavioral method for identifying recovery and compensation: Hand use in a preclinical stroke model using the single pellet reaching task. <i>Neuroscience and Biobehavioral Reviews</i> , 2013, 37, 950-967.	2.9	82
146	Evaluation of spontaneous recovery of behavioral and brain injury profiles in zebrafish after hypoxia. <i>Behavioural Brain Research</i> , 2013, 253, 145-151.	1.2	25

#	ARTICLE	IF	CITATIONS
147	The Epigenetics of Stroke Recovery and Rehabilitation: From Polycomb to Histone Deacetylases. <i>Neurotherapeutics</i> , 2013, 10, 808-816.	2.1	18
148	Understanding upper limb recovery after stroke. <i>Restorative Neurology and Neuroscience</i> , 2013, 31, 707-722.	0.4	170
149	Emerging from an unresponsive wakefulness syndrome: Brain plasticity has to cross a threshold level. <i>Neuroscience and Biobehavioral Reviews</i> , 2013, 37, 2721-2736.	2.9	57
150	Uncoupling PSD-95 Interactions Leads to Rapid Recovery of Cortical Function after Focal Stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013, 33, 1937-1943.	2.4	18
151	Effects of Feedback-Based Visual Line-Orientation Discrimination Training for Visuospatial Disorders After Stroke. <i>Neurorehabilitation and Neural Repair</i> , 2013, 27, 142-152.	1.4	20
152	Hurdles to Clear Before Clinical Translation of Ischemic Postconditioning Against Stroke. <i>Translational Stroke Research</i> , 2013, 4, 63-70.	2.3	20
153	Molecular mechanisms coordinating functional and morphological plasticity at the synapse: Role of GluA2/N-cadherin interaction-mediated actin signaling in mGluR-dependent LTD. <i>Cellular Signalling</i> , 2013, 25, 397-402.	1.7	22
154	Using a Hybrid Brain Computer Interface and Virtual Reality System to Monitor and Promote Cortical Reorganization through Motor Activity and Motor Imagery Training. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2013, 21, 174-181.	2.7	90
155	Sodium valproate exposure during the brain growth spurt transiently impairs spatial learning in prepubertal rats. <i>Pharmacology Biochemistry and Behavior</i> , 2013, 103, 684-691.	1.3	9
156	Ischemia-induced synaptic plasticity drives sustained expression of calcium-permeable AMPA receptors in the hippocampus. <i>Neuropharmacology</i> , 2013, 65, 114-122.	2.0	39
157	Toward a minimally invasive brain-computer interface using a single subdural channel: A visual speller study. <i>NeuroImage</i> , 2013, 71, 30-41.	2.1	40
158	Predicting Activities after Stroke: What is Clinically Relevant?. <i>International Journal of Stroke</i> , 2013, 8, 25-32.	2.9	279
159	Bilateral cortical hyperactivity detected by fMRI associates with improved motor function following intravenous infusion of mesenchymal stem cells in a rat stroke model. <i>Brain Research</i> , 2013, 1497, 15-22.	1.1	33
160	Chronic stroke survivors achieve comparable outcomes following virtual task specific repetitive training guided by a wearable robotic orthosis (UL-EXO7) and actual task specific repetitive training guided by a physical therapist. <i>Journal of Hand Therapy</i> , 2013, 26, 343-352.	0.7	55
161	Characterization of long-term functional outcome in a murine model of mild brain ischemia. <i>Journal of Neuroscience Methods</i> , 2013, 213, 179-187.	1.3	100
162	Vagus nerve stimulation during rehabilitative training improves forelimb strength following ischemic stroke. <i>Neurobiology of Disease</i> , 2013, 60, 80-88.	2.1	113
163	Hyaluronan, neural stem cells and tissue reconstruction after acute ischemic stroke. <i>Biomatter</i> , 2013, 3, .	2.6	59
164	Cognitive Rehabilitation Reduces Cognitive Impairment and Normalizes Hippocampal CA1 Architecture in a Rat Model of Vascular Dementia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013, 33, 872-879.	2.4	32

#	ARTICLE	IF	CITATIONS
165	Behavior outcome after ischemic and hemorrhagic stroke, with similar brain damage, in rats. Behavioural Brain Research, 2013, 244, 82-89.	1.2	39
166	EEG patterns from acute to chronic stroke phases in focal cerebral ischemic rats: correlations with functional recovery. Physiological Measurement, 2013, 34, 423-435.	1.2	31
167	Functional Recovery of the Paretic Upper Limb After Stroke: Who Regains Hand Capacity?. Archives of Physical Medicine and Rehabilitation, 2013, 94, 839-844.	0.5	69
168	New Evidence for Therapies in Stroke Rehabilitation. Current Atherosclerosis Reports, 2013, 15, 331.	2.0	106
169	Multimodal Examination of Structural and Functional Remapping in the Mouse Photothrombotic Stroke Model. Journal of Cerebral Blood Flow and Metabolism, 2013, 33, 716-723.	2.4	87
170	Chronic Imaging of Cortical Blood Flow using Multi-Exposure Speckle Imaging. Journal of Cerebral Blood Flow and Metabolism, 2013, 33, 798-808.	2.4	80
171	Rehabilitation is Initiated Early After Stroke, but Most Motor Rehabilitation Trials Are Not. Stroke, 2013, 44, 2039-2045.	1.0	95
172	Time course of visuospatial neglect early after stroke: A longitudinal cohort study. Cortex, 2013, 49, 2021-2027.	1.1	160
174	Functional photoacoustic micro-imaging of cerebral hemodynamic changes in single blood vessels after photo-induced brain stroke. , 2013, , .		0
175	Constraint-Induced Movement Therapy Overcomes the Intrinsic Axonal Growthâ€“Inhibitory Signals in Stroke Rats. Stroke, 2013, 44, 1698-1705.	1.0	73
176	Displacement of Sensory Maps and Disorganization of Motor Cortex After Targeted Stroke in Mice. Stroke, 2013, 44, 2300-2306.	1.0	101
177	Stroke Induces Long-Lasting Deficits in the Temporal Fidelity of Sensory Processing in the Somatosensory Cortex. Journal of Cerebral Blood Flow and Metabolism, 2013, 33, 91-96.	2.4	8
178	Advances in Stroke. Stroke, 2013, 44, 318-319.	1.0	8
179	Hypothermia-Induced Neuroprotection is Associated with Reduced Mitochondrial Membrane Permeability in a Swine Model of Cardiac Arrest. Journal of Cerebral Blood Flow and Metabolism, 2013, 33, 928-934.	2.4	70
180	Resistance of Optogenetically Evoked Motor Function to Global Ischemia and Reperfusion in Mouse <i>in Vivo</i> . Journal of Cerebral Blood Flow and Metabolism, 2013, 33, 1148-1152.	2.4	13
181	Upper Limb Robot-Assisted Therapy in Chronic and Subacute Stroke Patients. American Journal of Physical Medicine and Rehabilitation, 2013, 92, e26-e37.	0.7	38
182	Transcranial Direct Current Stimulation in Stroke Rehabilitation: A Review of Recent Advancements. Stroke Research and Treatment, 2013, 2013, 1-14.	0.5	61
183	Influence of Inflammation on Poststroke Plasticity. Neural Plasticity, 2013, 2013, 1-9.	1.0	28

#	ARTICLE	IF	CITATIONS
184	Video Games and Rehabilitation. <i>Journal of Neurologic Physical Therapy</i> , 2013, 37, 166-175.	0.7	225
185	The interaction between training and plasticity in the poststroke brain. <i>Current Opinion in Neurology</i> , 2013, 26, 609-616.	1.8	300
186	A Rat's Whiskers Point the Way toward a Novel Stimulus-Dependent, Protective Stroke Therapy. <i>Neuroscientist</i> , 2013, 19, 313-328.	2.6	25
187	Accuracy of Physical Therapists' Early Predictions of Upper-Limb Function in Hospital Stroke Units: The EPOS Study. <i>Physical Therapy</i> , 2013, 93, 460-469.	1.1	41
188	Investigation of the trade-off between time window length, classifier update rate and classification accuracy for restorative brain-computer interfaces. , 2013, 2013, 1567-70.		6
189	Biochemical Basis and Therapeutic Implications of Angiogenesis. , 2013, , .		5
190	Effects of upper limb robot-assisted therapy on motor recovery of subacute stroke patients: A kinematic approach. , 2013, 2013, 6650503.		5
191	Altered Synaptic Dynamics during Normal Brain Aging. <i>Journal of Neuroscience</i> , 2013, 33, 4094-4104.	1.7	148
192	Chronic In Vivo Imaging Shows No Evidence of Dendritic Plasticity or Functional Remapping in the Contralateral Cortex after Stroke. <i>Cerebral Cortex</i> , 2013, 23, 751-762.	1.6	44
193	Improvement After Constraint-Induced Movement Therapy. <i>Neurorehabilitation and Neural Repair</i> , 2013, 27, 99-109.	1.4	144
194	Stroke rehabilitation: recent advances and future therapies. <i>QJM - Monthly Journal of the Association of Physicians</i> , 2013, 106, 11-25.	0.2	131
195	Suppression of SHP-1 promotes corticospinal tract sprouting and functional recovery after brain injury. <i>Cell Death and Disease</i> , 2013, 4, e567-e567.	2.7	8
196	Understanding Adaptive Motor Control of the Paretic Upper Limb Early Poststroke. <i>Neurorehabilitation and Neural Repair</i> , 2013, 27, 854-863.	1.4	76
197	Medial Premotor Cortex Shows a Reduction in Inhibitory Markers and Mediates Recovery in a Mouse Model of Focal Stroke. <i>Stroke</i> , 2013, 44, 483-489.	1.0	81
198	Intravenous Administration of Human Umbilical Tissue-Derived Cells Improves Neurological Function in Aged Rats after Embolic Stroke. <i>Cell Transplantation</i> , 2013, 22, 1569-1576.	1.2	32
199	Plasticity of the contralateral motor cortex following focal traumatic brain injury in the rat. <i>Restorative Neurology and Neuroscience</i> , 2013, 31, 73-85.	0.4	34
200	fMRI as a molecular imaging procedure for the functional reorganization of motor systems in chronic stroke. <i>Molecular Medicine Reports</i> , 2013, 8, 775-779.	1.1	21
201	Non-immersive Virtual Reality for Fine Motor Rehabilitation of Functional Activities in Individuals with Chronic Stroke: A Review. <i>Journal of Aging Science</i> , 2013, 01, .	0.5	1

#	ARTICLE	IF	CITATIONS
202	The Feasibility of Computer-Based Prism Adaptation to Ameliorate Neglect in Sub-Acute Stroke Patients Admitted to a Rehabilitation Center. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 353.	1.0	14
203	Recovery after brain injury: mechanisms and principles. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 887.	1.0	357
204	Optogenetic approaches for functional mouse brain mapping. <i>Frontiers in Neuroscience</i> , 2013, 7, 54.	1.4	49
205	Noninvasive Strategies to Promote Functional Recovery after Stroke. <i>Neural Plasticity</i> , 2013, 2013, 1-16.	1.0	60
206	“Video Therapy” Promoting Hand Function after Stroke by Action Observation Training “ a Pilot Randomized Controlled Trial. <i>International Journal of Physical Medicine & Rehabilitation</i> , 2013, 02, .	0.5	5
207	What Is the Evidence for Physical Therapy Poststroke? A Systematic Review and Meta-Analysis. <i>PLoS ONE</i> , 2014, 9, e87987.	1.1	854
208	Impact of a Single Bout of Aerobic Exercise on Regional Brain Perfusion and Activation Responses in Healthy Young Adults. <i>PLoS ONE</i> , 2014, 9, e85163.	1.1	78
209	Vagus Nerve Stimulation Attenuates Cerebral Ischemia and Reperfusion Injury via Endogenous Cholinergic Pathway in Rat. <i>PLoS ONE</i> , 2014, 9, e102342.	1.1	90
210	Protein-Energy Malnutrition Developing after Global Brain Ischemia Induces an Atypical Acute-Phase Response and Hinders Expression of GAP-43. <i>PLoS ONE</i> , 2014, 9, e107570.	1.1	19
212	Understanding the mechanisms underlying recovery after stroke. , 2014, , 7-24.		5
213	Homeostatic structural plasticity can account for topology changes following deafferentation and focal stroke. <i>Frontiers in Neuroanatomy</i> , 2014, 8, 115.	0.9	25
214	Brain-computer interface with somatosensory feedback improves functional recovery from severe hemiplegia due to chronic stroke. <i>Frontiers in Neuroengineering</i> , 2014, 7, 19.	4.8	168
215	Use it and/or lose it—“experience effects on brain remodeling across time after stroke. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 379.	1.0	44
216	Finding an optimal rehabilitation paradigm after stroke: enhancing fiber growth and training of the brain at the right moment. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 381.	1.0	86
217	Why Is It Difficult to Predict Language Impairment and Outcome in Patients with Aphasia after Stroke?.		

#	ARTICLE	IF	CITATIONS
223	A comparison of different models with motor dysfunction after traumatic brain injury in adult rats. <i>Journal of Integrative Neuroscience</i> , 2014, 13, 579-593.	0.8	3
224	Rehabilitation Improves Behavioral Recovery and Lessens Cell Death Without Affecting Iron, Ferritin, Transferrin, or Inflammation After Intracerebral Hemorrhage in Rats. <i>Neurorehabilitation and Neural Repair</i> , 2014, 28, 395-404.	1.4	28
225	Phase II Trial of the Sigma-1 Receptor Agonist Cutamesine (SA4503) for Recovery Enhancement After Acute Ischemic Stroke. <i>Stroke</i> , 2014, 45, 3304-3310.	1.0	64
226	Urokinase-Type Plasminogen Activator Promotes Dendritic Spine Recovery and Improves Neurological Outcome Following Ischemic Stroke. <i>Journal of Neuroscience</i> , 2014, 34, 14219-14232.	1.7	50
227	Upper-limb muscular electrical stimulation driven by EEG-based detections of the intentions to move: A proposed intervention for patients with stroke. , 2014, 2014, 1646-9.		6
228	Homeostatic plasticity induced by brief activity deprivation enhances long-term potentiation in the mature rat hippocampus. <i>Journal of Neurophysiology</i> , 2014, 112, 3012-3022.	0.9	23
229	Virtual reality training for upper extremity in subacute stroke (VIRTUES): study protocol for a randomized controlled multicenter trial. <i>BMC Neurology</i> , 2014, 14, 186.	0.8	33
230	The GABAA Antagonist DPP-4-PIOL Selectively Antagonises Tonic over Phasic GABAergic Currents in Dentate Gyrus Granule Cells. <i>Neurochemical Research</i> , 2014, 39, 2078-2084.	1.6	9
231	Priming the Brain to Capitalize on Metaplasticity in Stroke Rehabilitation. <i>Physical Therapy</i> , 2014, 94, 139-150.	1.1	35
232	Stress as Necessary Component of Realistic Recovery in Animal Models of Experimental Stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014, 34, 208-214.	2.4	11
233	Early Poststroke Experience Differentially Alters Periinfarct Layer II and III Cortex. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014, 34, 630-637.	2.4	20
234	Social interaction plays a critical role in neurogenesis and recovery after stroke. <i>Translational Psychiatry</i> , 2014, 4, e351-e351.	2.4	89
235	Enhanced Effective Connectivity in Mild Occipital Stroke Patients With Hemianopia. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2014, 22, 1210-1217.	2.7	17
236	Effects of the addition of transcranial direct current stimulation to virtual reality therapy after stroke: A pilot randomized controlled trial. <i>NeuroRehabilitation</i> , 2014, 34, 437-446.	0.5	107
237	Combining virtual reality and a myoelectric limb orthosis to restore active movement after stroke: a pilot study. <i>International Journal on Disability and Human Development</i> , 2014, 13, .	0.2	1
238	Improving neurovascular outcomes with bilateral forepaw stimulation in a rat photothrombotic ischemic stroke model. <i>Neurophotonics</i> , 2014, 1, 011007.	1.7	23
239	“How much will I recover, doctor?” <i>Neurology</i> , 2014, 82, 192-193.	1.5	2
240	Meta-analysis of the Efficacy of Different Training Strategies in Animal Models of Ischemic Stroke. <i>Stroke</i> , 2014, 45, 239-247.	1.0	60

#	ARTICLE	IF	CITATIONS
241	How Can You Mend a Broken Brain? - Neurorestorative Approaches to Stroke Recovery. Cerebrovascular Diseases, 2014, 38, 233-239.	0.8	29
242	Wireless simultaneous stimulation-and-recording device to train cortical circuits in somatosensory cortex. , 2014, 2014, 426-9.		2
243	Intermittent Fasting Attenuates Increases in Neurogenesis after Ischemia and Reperfusion and Improves Recovery. Journal of Cerebral Blood Flow and Metabolism, 2014, 34, 897-905.	2.4	51
244	Optogenetic Mapping after Stroke Reveals Network-Wide Scaling of Functional Connections and Heterogeneous Recovery of the Peri-Infarct. Journal of Neuroscience, 2014, 34, 16455-16466.	1.7	92
245	Time-sensitive reorganization of the somatosensory cortex poststroke depends on interaction between Hebbian and homeoplasticity: a simulation study. Journal of Neurophysiology, 2014, 112, 3240-3250.	0.9	8
246	Optogenetic Approaches to Study Stroke Recovery. ACS Chemical Neuroscience, 2014, 5, 1144-1145.	1.7	19
247	Stroke and the Connectome: How Connectivity Guides Therapeutic Intervention. Neuron, 2014, 83, 1354-1368.	3.8	170
248	Diffusion tensor imaging and tractography of the human language pathways: Moving into the clinical realm. Journal of Magnetic Resonance Imaging, 2014, 40, 1041-1053.	1.9	8
249	Attentionâ€network specific alterations of structural connectivity in the undamaged white matter in acute neglect. Human Brain Mapping, 2014, 35, 4678-4692.	1.9	40
250	Prognostic value of changes in restingâ€state functional connectivity patterns in cognitive recovery after stroke: A 3T fMRI pilot study. Human Brain Mapping, 2014, 35, 3819-3831.	1.9	53
251	Decoding of motor intentions from epidural ECoG recordings in severely paralyzed chronic stroke patients. Journal of Neural Engineering, 2014, 11, 066008.	1.8	53
252	Replace, Repair, Restore, Relieve â€ Bridging Clinical and Engineering Solutions in Neurorehabilitation. Biosystems and Biorobotics, 2014, , .	0.2	8
253	Predicting and accelerating motor recovery after stroke. Current Opinion in Neurology, 2014, 27, 624-630.	1.8	72
254	Motor Recovery and Cortical Plasticity After Functional Electrical Stimulation in a Rat Model of Focal Stroke. American Journal of Physical Medicine and Rehabilitation, 2014, 93, 791-800.	0.7	12
255	Assessment and modulation of resting-state neural networks after stroke. Current Opinion in Neurology, 2014, 27, 637-643.	1.8	38
256	Dynamic metabolic changes after permanent cerebral ischemia in rats with/without post-stroke exercise: a positron emission tomography (PET) study. Neurological Research, 2014, 36, 475-482.	0.6	12
257	Thrombin Causes Neuronal Atrophy and Acute but not Chronic Cell Death. Canadian Journal of Neurological Sciences, 2014, 41, 714-720.	0.3	3
258	Induction and imaging of photothrombotic stroke in conscious and freely moving rats. Journal of Biomedical Optics, 2014, 19, 1.	1.4	72

#	ARTICLE	IF	CITATIONS
259	Circuit Class Therapy and 7-Day-Week Therapy Increase Physiotherapy Time, But Not Patient Activity. <i>Stroke</i> , 2014, 45, 3002-3007.	1.0	22
260	Brain Stimulation for Combating Alzheimer's Disease. <i>Frontiers in Neurology</i> , 2014, 5, 80.	1.1	17
261	Ministrokes in Channelrhodopsin-2 Transgenic Mice Reveal Widespread Deficits in Motor Output Despite Maintenance of Cortical Neuronal Excitability. <i>Journal of Neuroscience</i> , 2014, 34, 1094-1104.	1.7	26
262	The influence of functional electrical stimulation on hand motor recovery in stroke patients: a review. <i>Experimental & Translational Stroke Medicine</i> , 2014, 6, 9.	3.2	110
263	Concept and molecular basis of axonal regeneration after central nervous system injury. <i>Neuroscience Research</i> , 2014, 78, 45-49.	1.0	9
264	Motor maps and the cortical control of movement. <i>Current Opinion in Neurobiology</i> , 2014, 24, 88-94.	2.0	18
265	Temporal evolution of event-related desynchronization in acute stroke: A pilot study. <i>Clinical Neurophysiology</i> , 2014, 125, 1112-1120.	0.7	31
266	Characterizing the Mechanisms of Central and Peripheral Forms of Neurostimulation in Chronic Dysphagic Stroke Patients. <i>Brain Stimulation</i> , 2014, 7, 66-73.	0.7	79
267	Effects of dual-mode non-invasive brain stimulation on motor function. <i>Neuroscience Letters</i> , 2014, 567, 24-29.	1.0	6
268	Rapid Experience-Dependent Plasticity following Somatosensory Damage. <i>Current Biology</i> , 2014, 24, 677-680.	1.8	15
269	Correlative two-photon and light sheet microscopy. <i>Methods</i> , 2014, 66, 268-272.	1.9	34
270	Functional recovery and alterations in the expression and localization of protein kinase C following voluntary exercise in rat with cerebral infarction. <i>Neurological Sciences</i> , 2014, 35, 53-59.	0.9	15
271	Acute exercise induces cortical inhibition and reduces arousal in response to visual stimulation in young children. <i>International Journal of Developmental Neuroscience</i> , 2014, 34, 1-8.	0.7	26
272	Chronic metformin treatment improves post-stroke angiogenesis and recovery after experimental stroke. <i>European Journal of Neuroscience</i> , 2014, 39, 2129-2138.	1.2	109
273	Removing the brakes on post-stroke plasticity drives recovery from the intact hemisphere and spinal cord. <i>Brain</i> , 2014, 137, 648-650.	3.7	4
274	Disability in multiple sclerosis: When synaptic long-term potentiation fails. <i>Neuroscience and Biobehavioral Reviews</i> , 2014, 43, 88-99.	2.9	32
275	Ionic Regulation of Cell Volume Changes and Cell Death after Ischemic Stroke. <i>Translational Stroke Research</i> , 2014, 5, 17-27.	2.3	91
276	Deep brain stimulation for enhancement of learning and memory. <i>NeuroImage</i> , 2014, 85, 996-1002.	2.1	118

#	ARTICLE	IF	CITATIONS
277	Electrical Stimulation of Motor Cortex in the Uninjured Hemisphere after Chronic Unilateral Injury Promotes Recovery of Skilled Locomotion through Ipsilateral Control. <i>Journal of Neuroscience</i> , 2014, 34, 462-466.	1.7	92
278	How Plastic Is the Brain after a Stroke?. <i>Neuroscientist</i> , 2014, 20, 359-371.	2.6	21
279	Plasticity beyond peri-infarct cortex: Spinal up regulation of structural plasticity, neurotrophins, and inflammatory cytokines during recovery from cortical stroke. <i>Experimental Neurology</i> , 2014, 252, 47-56.	2.0	51
281	<sc>N</sc>europrotection by <sc>S</sc>ildenafil: <sc>N</sc>euronal <sc>N</sc>etworks <sc>P</sc>otentiation in <sc>A</sc>cute <sc>E</sc>xperimental <sc>S</sc>troke. <i>CNS Neuroscience and Therapeutics</i> , 2014, 20, 40-49.	1.9	34
282	Modular Ankle Robotics Training in Early Subacute Stroke. <i>Neurorehabilitation and Neural Repair</i> , 2014, 28, 678-687.	1.4	42
283	Hand rehabilitation device system (HRDS) for therapeutic applications. , 2014, , .		3
284	Transcranial direct current stimulation reverses neurophysiological and behavioural effects of focal inhibition of human pharyngeal motor cortex on swallowing. <i>Journal of Physiology</i> , 2014, 592, 695-709.	1.3	48
285	Biotherapies in stroke. <i>Revue Neurologique</i> , 2014, 170, 779-798.	0.6	40
286	Modulation of brain plasticity in stroke: a novel model for neurorehabilitation. <i>Nature Reviews Neurology</i> , 2014, 10, 597-608.	4.9	644
287	Lower Limb Movement Preparation in Chronic Stroke. <i>Neurorehabilitation and Neural Repair</i> , 2014, 28, 564-575.	1.4	75
288	Post-stroke recovery: the role of activity-dependent release of brain-derived neurotrophic factor. <i>Expert Review of Neurotherapeutics</i> , 2014, 14, 1335-1344.	1.4	89
289	A neurally inspired robotic control algorithm for gait rehabilitation in hemiplegic stroke patients. , 2014, , .		2
290	Optogenetic neuronal stimulation promotes functional recovery after stroke. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 12913-12918.	3.3	169
291	Characterization of the Ubiquitin-Modified Proteome Regulated by Transient Forebrain Ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014, 34, 425-432.	2.4	33
292	Pharmacological therapies in post stroke recovery: recommendations for future clinical trials. <i>Journal of Neurology</i> , 2014, 261, 1461-1468.	1.8	38
293	Pro-apoptotic function of GABA-related transcripts following stroke. <i>Neurobiology of Disease</i> , 2014, 70, 237-244.	2.1	6
294	MLC901, a Traditional Chinese Medicine induces neuroprotective and neuroregenerative benefits after traumatic brain injury in rats. <i>Neuroscience</i> , 2014, 277, 72-86.	1.1	53
295	Yonkenafil: A novel phosphodiesterase type 5 inhibitor induces neuronal network potentiation by a cGMP-dependent Nogo-R axis in acute experimental stroke. <i>Experimental Neurology</i> , 2014, 261, 267-277.	2.0	20

#	ARTICLE	IF	CITATIONS
296	Experience-dependent plasticity of visual cortical microcircuits. <i>Neuroscience</i> , 2014, 278, 367-384.	1.1	19
297	Effects of upper limb robot-assisted therapy on motor recovery in subacute stroke patients. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2014, 11, 104.	2.4	107
298	Post-stroke hemiplegia rehabilitation: Evolution of the concepts. <i>Annals of Physical and Rehabilitation Medicine</i> , 2014, 57, 520-529.	1.1	30
299	GLP-1R activation for the treatment of stroke: Updating and future perspectives. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2014, 15, 233-242.	2.6	21
300	Rehabilitation of the hemiparetic gait by nociceptive withdrawal reflex-based functional electrical therapy: a randomized, single-blinded study. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2014, 11, 81.	2.4	23
301	High-Impact, Self-Motivated Training Within an Enriched Environment With Single Animal Tracking Dose-Dependently Promotes Motor Skill Acquisition and Functional Recovery. <i>Neurorehabilitation and Neural Repair</i> , 2014, 28, 594-605.	1.4	20
302	Plasticity and Response to Action Observation. <i>Neurorehabilitation and Neural Repair</i> , 2014, 28, 874-884.	1.4	47
303	Bilateral Priming Accelerates Recovery of Upper Limb Function After Stroke. <i>Stroke</i> , 2014, 45, 205-210.	1.0	74
304	Motor skills training promotes motor functional recovery and induces synaptogenesis in the motor cortex and striatum after intracerebral hemorrhage in rats. <i>Behavioural Brain Research</i> , 2014, 260, 34-43.	1.2	46
305	Impaired executive function following ischemic stroke in the rat medial prefrontal cortex. <i>Behavioural Brain Research</i> , 2014, 258, 106-111.	1.2	42
306	Adult cortical plasticity following injury: Recapitulation of critical period mechanisms?. <i>Neuroscience</i> , 2014, 283, 4-16.	1.1	87
307	Hypoxia-inducible factor 1 contributes to N-acetylcysteine's protection in stroke. <i>Free Radical Biology and Medicine</i> , 2014, 68, 8-21.	1.3	60
308	Asynchronous therapy restores motor control by rewiring of the rat corticospinal tract after stroke. <i>Science</i> , 2014, 344, 1250-1255.	6.0	286
309	Long-term functional recovery and compensation after cerebral ischemia in rats. <i>Behavioural Brain Research</i> , 2014, 270, 18-28.	1.2	34
310	Large field-of-view and depth-specific cortical microvascular imaging underlies regional differences in ischemic brain. <i>Proceedings of SPIE</i> , 2014, , .	0.8	0
311	Stem Cell Transplantation Enhances Endogenous Brain Repair after Experimental Stroke. <i>Neurologia Medico-Chirurgica</i> , 2015, 55, 107-112.	1.0	17
312	Effects of extradural cortical stimulation on motor recovery in a rat model of subacute stroke. <i>Restorative Neurology and Neuroscience</i> , 2015, 33, 589-596.	0.4	6
313	Macro-to-micro cortical vascular imaging underlies regional differences in ischemic brain. <i>Scientific Reports</i> , 2015, 5, 10051.	1.6	26

#	ARTICLE	IF	CITATIONS
314	Proportional recovery after stroke depends on corticomotor integrity. <i>Annals of Neurology</i> , 2015, 78, 848-859.	2.8	308
315	Effects of hypoxic preconditioning on synaptic ultrastructure in mice. <i>Synapse</i> , 2015, 69, 7-14.	0.6	4
316	Brain Plasticity and Rehabilitation in Stroke Patients. <i>Journal of Nippon Medical School</i> , 2015, 82, 4-13.	0.3	164
317	Improved walking ability with wearable robot-assisted training in patients suffering chronic stroke. <i>Bio-Medical Materials and Engineering</i> , 2015, 26, S329-S340.	0.4	18
318	Continuous Amplitude-Integrated Electroencephalographic Monitoring Is a Useful Prognostic Tool for Hypothermia-Treated Cardiac Arrest Patients. <i>Circulation</i> , 2015, 132, 1094-1103.	1.6	98
319	From disorders of consciousness to early neurorehabilitation using assistive technologies in patients with severe brain damage. <i>Current Opinion in Neurology</i> , 2015, 28, 587-594.	1.8	14
320	Does neuroimaging help to deliver better recovery of movement after stroke?. <i>Current Opinion in Neurology</i> , 2015, 28, 323-329.	1.8	39
321	The proportional recovery rule for stroke revisited. <i>Annals of Neurology</i> , 2015, 78, 845-847.	2.8	96
322	14. An Integrative Framework for Tailoring Virtual Reality Based Motor Rehabilitation After Stroke. , 2015, , 244-261.		0
323	Heminegligencia visuo-espacial: aspectos clínicos, teóricos y tratamiento [Visuospatial neglect: clinical, theoretical and treatment aspects]. <i>Acción Psicológica</i> , 2015, 11, 95.	0.1	2
324	Complement in the Homeostatic and Ischemic Brain. <i>Frontiers in Immunology</i> , 2015, 6, 417.	2.2	82
325	Movement related slow cortical potentials in severely paralyzed chronic stroke patients. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 1033.	1.0	39
326	Critical periods after stroke study: translating animal stroke recovery experiments into a clinical trial. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 231.	1.0	46
327	Combinations of stroke neurorehabilitation to facilitate motor recovery: perspectives on Hebbian plasticity and homeostatic metaplasticity. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 349.	1.0	52
328	Unveiling residual, spontaneous recovery from subtle hemispatial neglect three years after stroke. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 413.	1.0	31
329	Neuroplastic changes in resting-state functional connectivity after stroke rehabilitation. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 546.	1.0	61
330	Feasibility of early functional rehabilitation in acute stroke survivors using the Balance-Bed technology that emulates microgravity. <i>Frontiers in Systems Neuroscience</i> , 2015, 9, 83.	1.2	7
331	Augmenting LTP-Like Plasticity in Human Motor Cortex by Spaced Paired Associative Stimulation. <i>PLoS ONE</i> , 2015, 10, e0131020.	1.1	30

#	ARTICLE	IF	CITATIONS
332	Analysis of Time-Dependent Brain Network on Active and MI Tasks for Chronic Stroke Patients. PLoS ONE, 2015, 10, e0139441.	1.1	3
333	Physical Exercise as a Diagnostic, Rehabilitation, and Preventive Tool: Influence on Neuroplasticity and Motor Recovery after Stroke. Neural Plasticity, 2015, 2015, 1-12.	1.0	75
334	Monitoring Neuro-Motor Recovery From Stroke With High-Resolution EEG, Robotics and Virtual Reality: A Proof of Concept. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2015, 23, 1106-1116.	2.7	46
335	Robust Neuroprosthetic Control from the Stroke Perilesional Cortex. Journal of Neuroscience, 2015, 35, 8653-8661.	1.7	55
336	Delayed Inhibition of VEGF Signaling after Stroke Attenuates Blood-Brain Barrier Breakdown and Improves Functional Recovery in a Comorbidity-Dependent Manner. Journal of Neuroscience, 2015, 35, 5128-5143.	1.7	121
337	Feeding the brain and nurturing the mind: Linking nutrition and the gut microbiota to brain development. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 14105-14112.	3.3	114
338	Brain-Computer Interface Research. Springer Briefs in Electrical and Computer Engineering, 2015, , .	0.3	3
339	Influence of training environment and cognitive deficits on use of feedback for motor learning in chronic stroke. , 2015, , .		8
340	Heterogeneous BCI-Triggered Functional Electrical Stimulation Intervention for the Upper-Limb Rehabilitation of Stroke Patients. Springer Briefs in Electrical and Computer Engineering, 2015, , 67-77.	0.3	1
341	A wearable vibrotactile device for upper-limb bilateral motion training in stroke rehabilitation: A case study. , 2015, 2015, 3480-3.		7
342	Fisiopatologia dell'ischemia cerebrale. EMC - Neurologia, 2015, 15, 1-11.	0.0	0
343	Intra-Arterial Transplantation of Low-Dose Stem Cells Provides Functional Recovery Without Adverse Effects After Stroke. Cellular and Molecular Neurobiology, 2015, 35, 399-406.	1.7	32
344	Invited Commentary on Comparison of Robotics, Functional Electrical Stimulation, and Motor Learning Methods for Treatment of Persistent Upper Extremity Dysfunction After Stroke: A Randomized Controlled Trial. Archives of Physical Medicine and Rehabilitation, 2015, 96, 991-993.	0.5	9
345	Early constraint-induced movement therapy promotes functional recovery and neuronal plasticity in a subcortical hemorrhage model rat. Behavioural Brain Research, 2015, 284, 158-166.	1.2	29
346	Progesterone and allopregnanolone improves stroke outcome in male mice via distinct mechanisms but neither promotes neurogenesis. Journal of Neurochemistry, 2015, 132, 32-37.	2.1	15
347	Constraint-induced movement therapy after stroke. Lancet Neurology, The, 2015, 14, 224-234.	4.9	365
348	Effect of the treatment of focal brain ablation in rat with bone marrow mesenchymal stromal cells on sensorimotor recovery and cytokine production. Journal of the Neurological Sciences, 2015, 348, 166-173.	0.3	5
349	Statistical Analysis Plan (SAP) for a Very Early Rehabilitation Trial (AVERT): An International Trial to Determine the Efficacy and Safety of Commencing out of Bed Standing and Walking Training (Very) Tj ETQq1 1 0.784314 rgBT /Overl Stroke. 2015, 10, 23-24.	2.9	22

#	ARTICLE	IF	CITATIONS
350	Chronic Monitoring of Vascular Progression after Ischemic Stroke Using Multiexposure Speckle Imaging and Two-Photon Fluorescence Microscopy. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 933-942.	2.4	53
351	Early Mobilization After Stroke. <i>Stroke</i> , 2015, 46, 1141-1146.	1.0	95
352	Strategies for Early Stroke Recovery: What Lies Ahead?. <i>Current Treatment Options in Cardiovascular Medicine</i> , 2015, 17, 356.	0.4	13
353	Experience with the "Good" Limb Induces Aberrant Synaptic Plasticity in the Perilesion Cortex after Stroke. <i>Journal of Neuroscience</i> , 2015, 35, 8604-8610.	1.7	37
354	Neuroplasticity and Brachial Plexus Injury. <i>World Neurosurgery</i> , 2015, 84, 1509-1510.	0.7	6
355	The lingering effects of a busted myth "false time limits in stroke rehabilitation. <i>Applied Physiology, Nutrition and Metabolism</i> , 2015, 40, 858-861.	0.9	11
356	Primary Motor Cortex Excitability During Recovery After Stroke: Implications for Neuromodulation. <i>Brain Stimulation</i> , 2015, 8, 1183-1190.	0.7	90
357	Application of BCI-FES system on stroke rehabilitation. , 2015, , .		5
358	Reorganization of Motor Execution Networks During Sub-Acute Phase After Stroke. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2015, 23, 713-723.	2.7	20
359	Towards a comprehensive understanding of brain machinery by correlative microscopy. <i>Journal of Biomedical Optics</i> , 2015, 20, 061105.	1.4	14
361	Optimal timing of speech and language therapy for aphasia after stroke: more evidence needed. <i>Expert Review of Neurotherapeutics</i> , 2015, 15, 885-893.	1.4	23
362	Coherent neural oscillations predict future motor and language improvement after stroke. <i>Brain</i> , 2015, 138, 3048-3060.	3.7	111
363	Opportunities for concurrent transcranial magnetic stimulation and electroencephalography to characterize cortical activity in stroke. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 250.	1.0	21
364	Recovery and Rehabilitation Poststroke. , 2015, , 845-851.		0
365	In vivo analysis of neuroinflammation in the late chronic phase after experimental stroke. <i>Neuroscience</i> , 2015, 292, 71-80.	1.1	49
366	Models of Care for Late-Life Depression of the Medically Ill: Examples from Chronic Obstructive Pulmonary Disease and Stroke. <i>American Journal of Geriatric Psychiatry</i> , 2015, 23, 477-487.	0.6	13
367	Laser system refinements to reduce variability in infarct size in the rat photothrombotic stroke model. <i>Journal of Neuroscience Methods</i> , 2015, 247, 58-66.	1.3	11
368	Changes in the BDNF-immunopositive cell population of neocortical layers I and II/III after focal cerebral ischemia in rats. <i>Brain Research</i> , 2015, 1605, 76-82.	1.1	7

#	ARTICLE	IF	CITATIONS
369	Translating the science into practice. <i>Progress in Brain Research</i> , 2015, 218, 331-360.	0.9	60
370	Lost in translation. <i>Progress in Brain Research</i> , 2015, 218, 413-434.	0.9	50
371	Stroke rehabilitation. <i>Progress in Brain Research</i> , 2015, 218, 253-280.	0.9	46
372	Proof of Principle of a Brain-Computer Interface Approach to Support Poststroke Arm Rehabilitation in Hospitalized Patients: Design, Acceptability, and Usability. <i>Archives of Physical Medicine and Rehabilitation</i> , 2015, 96, S71-S78.	0.5	84
373	Efficacy and safety of very early mobilisation within 24 h of stroke onset (AVERT): a randomised controlled trial. <i>Lancet, The</i> , 2015, 386, 46-55.	6.3	606
375	Combined Ampakine and BDNF Treatments Enhance Poststroke Functional Recovery in Aged Mice via AKT-CREB Signaling. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 1272-1279.	2.4	62
376	Micropatterned bioimplant with guided neuronal cells to promote tissue reconstruction and improve functional recovery after primary motor cortex insult. <i>Biomaterials</i> , 2015, 58, 46-53.	5.7	35
377	Protein Kinase C Activator, Bryostatin-1, Promotes Exercise-Dependent Functional Recovery in Rats with Cerebral Infarction. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2015, 94, 239-243.	0.7	10
378	Neuroprotective effects of enriched environment housing after transient global cerebral ischaemia are associated with the upregulation of insulin-like growth factor-1 signalling. <i>Neuropathology and Applied Neurobiology</i> , 2015, 41, 544-556.	1.8	22
379	Brain-controlled neuromuscular stimulation to drive neural plasticity and functional recovery. <i>Current Opinion in Neurobiology</i> , 2015, 33, 95-102.	2.0	56
380	Modulation of attention functions by anodal tDCS on right PPC. <i>Neuropsychologia</i> , 2015, 74, 96-107.	0.7	83
381	VGF, Which Is Induced Transcriptionally in Stroke Brain, Enhances Neurite Extension and Confers Protection Against Ischemia In Vitro. <i>Translational Stroke Research</i> , 2015, 6, 301-308.	2.3	10
382	Does Action Observation Training With Immediate Physical Practice Improve Hemiparetic Upper-Limb Function in Chronic Stroke?. <i>Neurorehabilitation and Neural Repair</i> , 2015, 29, 807-817.	1.4	43
383	The Effects of Delayed Reduction of Tonic Inhibition on Ischemic Lesion and Sensorimotor Function. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 1601-1609.	2.4	59
384	Generalizability of the Proportional Recovery Model for the Upper Extremity After an Ischemic Stroke. <i>Neurorehabilitation and Neural Repair</i> , 2015, 29, 614-622.	1.4	250
385	Robot assisted upper limb therapy combined with upper limb rehabilitation was at least as effective on a range of outcomes, and cost less to deliver, as an equal dose of upper limb rehabilitation alone for people with stroke. <i>Australian Occupational Therapy Journal</i> , 2015, 62, 74-76.	0.6	5
386	Circuit Class Therapy or Seven-Day Week Therapy for Increasing Rehabilitation Intensity of Therapy after Stroke (CIRCIT): A Randomized Controlled Trial. <i>International Journal of Stroke</i> , 2015, 10, 594-602.	2.9	56
387	Is More Physiotherapy Better after Stroke?. <i>International Journal of Stroke</i> , 2015, 10, 465-466.	2.9	9

#	ARTICLE	IF	CITATIONS
388	Motor System Reorganization After Stroke: Stimulating and Training Toward Perfection. <i>Physiology</i> , 2015, 30, 358-370.	1.6	100
389	Protein-Energy Malnutrition Causes Deficits in Motor Function in Adult Male Rats. <i>Journal of Nutrition</i> , 2015, 145, 2503-2511.	1.3	13
390	Preserved Haptic Shape Processing after Bilateral LOC Lesions. <i>Journal of Neuroscience</i> , 2015, 35, 13745-13760.	1.7	24
391	Using oscillations to understand recovery after stroke. <i>Brain</i> , 2015, 138, 2811-2813.	3.7	10
392	Nanomedicines and stroke: Toward translational research. <i>Journal of Drug Delivery Science and Technology</i> , 2015, 30, 278-299.	1.4	12
393	In Vivo Inhibition of miR-155 Promotes Recovery after Experimental Mouse Stroke. <i>Journal of Neuroscience</i> , 2015, 35, 12446-12464.	1.7	153
394	Inhibition of Tnf- α R1 signaling can rescue functional cortical plasticity impaired in early post-stroke period. <i>Neurobiology of Aging</i> , 2015, 36, 2877-2884.	1.5	30
395	The relation of structural integrity and task-related functional connectivity in the aging brain. <i>Neurobiology of Aging</i> , 2015, 36, 2830-2837.	1.5	21
396	Transcranial direct current stimulation to the parietal cortex in hemispatial neglect: A feasibility study. <i>Neuropsychologia</i> , 2015, 74, 152-161.	0.7	41
397	Restoration of skilled locomotion by sprouting corticospinal axons induced by co-deletion of PTEN and SOCS3. <i>Nature Communications</i> , 2015, 6, 8074.	5.8	154
398	Effects of lateralized light flash and color on unilateral neglect. <i>Disability and Rehabilitation</i> , 2015, 37, 2400-2406.	0.9	0
399	Astrocyte morphology after ischemic and hemorrhagic experimental stroke has no influence on the different recovery patterns. <i>Behavioural Brain Research</i> , 2015, 278, 257-261.	1.2	31
400	The involvement of the sigma-1 receptor in neurodegeneration and neurorestoration. <i>Journal of Pharmacological Sciences</i> , 2015, 127, 30-35.	1.1	82
401	The Effects of Poststroke Aerobic Exercise on Neuroplasticity: A Systematic Review of Animal and Clinical Studies. <i>Translational Stroke Research</i> , 2015, 6, 13-28.	2.3	110
402	Epigenetic mechanisms of neuroplasticity and the implications for stroke recovery. <i>Experimental Neurology</i> , 2015, 268, 37-45.	2.0	88
403	Thinking outside the brain for cognitive improvement: Is peripheral immunomodulation on the way?. <i>Neuropharmacology</i> , 2015, 96, 94-104.	2.0	27
404	Pharmacotherapy for Aphasia. , 2016, , 1067-1083.		7
405	Plastic Change along the Intact Crossed Pathway in Acute Phase of Cerebral Ischemia Revealed by Optical Intrinsic Signal Imaging. <i>Neural Plasticity</i> , 2016, 2016, 1-8.	1.0	0

#	ARTICLE	IF	CITATIONS
406	Upper Limb Immobilisation: A Neural Plasticity Model with Relevance to Poststroke Motor Rehabilitation. <i>Neural Plasticity</i> , 2016, 2016, 1-17.	1.0	24
407	Defining Optimal Aerobic Exercise Parameters to Affect Complex Motor and Cognitive Outcomes after Stroke: A Systematic Review and Synthesis. <i>Neural Plasticity</i> , 2016, 2016, 1-12.	1.0	42
408	Correlates of Post-Stroke Brain Plasticity, Relationship to Pathophysiological Settings and Implications for Human Proof-of-Concept Studies. <i>Frontiers in Cellular Neuroscience</i> , 2016, 10, 196.	1.8	13
409	Non-Invasive Brain Stimulation to Enhance Post-Stroke Recovery. <i>Frontiers in Neural Circuits</i> , 2016, 10, 56.	1.4	129
410	Large Scale Cortical Functional Networks Associated with Slow-Wave and Spindle-Burst-Related Spontaneous Activity. <i>Frontiers in Neural Circuits</i> , 2016, 10, 103.	1.4	25
411	Magnetoencephalography in Stroke Recovery and Rehabilitation. <i>Frontiers in Neurology</i> , 2016, 7, 35.	1.1	20
412	Application of Transcranial Direct Current Stimulation in Neurorehabilitation: The Modulatory Effect of Sleep. <i>Frontiers in Neurology</i> , 2016, 7, 54.	1.1	17
413	Brain-Computer Interface Training after Stroke Affects Patterns of Brain-Behavior Relationships in Corticospinal Motor Fibers. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 457.	1.0	27
414	A Bridge Too Far – Revisited: Reframing Bruer’s Neuroeducation Argument for Modern Science of Learning Practitioners. <i>Frontiers in Psychology</i> , 2016, 7, 377.	1.1	41
415	A Deeper Look at the “Neural Correlate of Consciousness”. <i>Frontiers in Psychology</i> , 2016, 7, 1044.	1.1	25
416	Lyophilized Powder of Catalpol and Puerarin Protects Neurovascular Unit from Stroke. <i>International Journal of Biological Sciences</i> , 2016, 12, 367-380.	2.6	27
417	Transcranial magnetic stimulation (TMS) in stroke: Ready for clinical practice?. <i>Journal of Clinical Neuroscience</i> , 2016, 31, 10-14.	0.8	71
418	Predictors and signatures of recovery from neglect in acute stroke. <i>Annals of Neurology</i> , 2016, 79, 673-686.	2.8	55
419	Optogenetic modulation in stroke recovery. <i>Neurosurgical Focus</i> , 2016, 40, E6.	1.0	16
420	What can errors tell us about body representations?. <i>Cognitive Neuropsychology</i> , 2016, 33, 5-25.	0.4	23
421	Is upper limb virtual reality training more intensive than conventional training for patients in the subacute phase after stroke? An analysis of treatment intensity and content. <i>BMC Neurology</i> , 2016, 16, 219.	0.8	39
422	EEG Monitoring in Cerebral Ischemia. <i>Journal of Clinical Neurophysiology</i> , 2016, 33, 203-210.	0.9	57
423	Influence of skill and exercise training parameters on locomotor recovery during stroke rehabilitation. <i>Current Opinion in Neurology</i> , 2016, 29, 677-683.	1.8	35

#	ARTICLE	IF	CITATIONS
424	Four birds with one stone? Reparative, neuroplastic, cardiorespiratory, and metabolic benefits of aerobic exercise poststroke. <i>Current Opinion in Neurology</i> , 2016, 29, 684-692.	1.8	59
425	Kinematic measures for upper limb motor assessment during robot-mediated training in patients with severe sub-acute stroke. <i>Restorative Neurology and Neuroscience</i> , 2016, 34, 237-245.	0.4	29
426	Dual Cortical Plasticity After Spinal Cord Injury. <i>Cerebral Cortex</i> , 2017, 27, bhw142.	1.6	15
427	Reconfiguration of Intrinsic Functional Coupling Patterns Following Circumscribed Network Lesions. <i>Cerebral Cortex</i> , 2016, 27, bhw139.	1.6	21
428	Synergic Effects of Rehabilitation and Intravenous Infusion of Mesenchymal Stem Cells After Stroke in Rats. <i>Physical Therapy</i> , 2016, 96, 1791-1798.	1.1	56
429	The presence of a single-nucleotide polymorphism in the BDNF gene affects the rate of locomotor adaptation after stroke. <i>Experimental Brain Research</i> , 2016, 234, 341-351.	0.7	30
430	Translational Hurdles in Stroke Recovery Studies. <i>Translational Stroke Research</i> , 2016, 7, 331-342.	2.3	50
431	Inhibiting BACE1 to reverse synaptic dysfunctions in Alzheimer's disease. <i>Neuroscience and Biobehavioral Reviews</i> , 2016, 65, 326-340.	2.9	58
432	Evaluating interhemispheric cortical responses to transcranial magnetic stimulation in chronic stroke: A TMS-EEG investigation. <i>Neuroscience Letters</i> , 2016, 618, 25-30.	1.0	50
433	Moving rehabilitation research forward: Developing consensus statements for rehabilitation and recovery research. <i>International Journal of Stroke</i> , 2016, 11, 454-458.	2.9	137
434	Very Early versus Delayed Rehabilitation for Acute Ischemic Stroke Patients with Intravenous Recombinant Tissue Plasminogen Activator: A Nationwide Retrospective Cohort Study. <i>Cerebrovascular Diseases</i> , 2016, 42, 41-48.	0.8	32
435	Computational neurorehabilitation: modeling plasticity and learning to predict recovery. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2016, 13, 42.	2.4	125
436	Increased ventral premotor cortex recruitment after arm training in an fMRI study with subacute stroke patients. <i>Behavioural Brain Research</i> , 2016, 308, 152-159.	1.2	19
437	A randomized controlled trial of very early rehabilitation in speech after stroke. <i>International Journal of Stroke</i> , 2016, 11, 586-592.	2.9	22
438	Problematising risk in stroke rehabilitation. <i>Disability and Rehabilitation</i> , 2016, 38, 2334-2344.	0.9	6
439	Environmental enrichment protects against cognitive impairment following chemotherapy in an animal model. <i>Behavioral Neuroscience</i> , 2016, 130, 428-436.	0.6	20
440	Botulinum toxin as early intervention for spasticity after stroke or non-progressive brain lesion: A meta-analysis. <i>Journal of the Neurological Sciences</i> , 2016, 371, 6-14.	0.3	65
441	Neural network remodeling underlying motor map reorganization induced by rehabilitative training after ischemic stroke. <i>Neuroscience</i> , 2016, 339, 338-362.	1.1	43

#	ARTICLE	IF	CITATIONS
442	Application of Nanomedicine to the CNS Diseases. <i>International Review of Neurobiology</i> , 2016, 130, 73-113.	0.9	17
443	Functional magnetic resonance imaging in chronic ischaemic stroke. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150353.	1.8	31
444	Clinical Application of Robotics and Technology in the Restoration of Walking. , 2016, , 223-248.		8
445	In vivo dendrite regeneration after injury is different from dendrite development. <i>Genes and Development</i> , 2016, 30, 1776-1789.	2.7	33
446	EEG patterns of subacute stroke patients performing motor tasks correlate with motor functional outcome: Preliminary results. , 2016, 2016, 4674-4677.		3
447	The effects of combined repetitive transcranial magnetic stimulation and transcranial direct current stimulation on motor function in patients with stroke. <i>Restorative Neurology and Neuroscience</i> , 2016, 34, 915-923.	0.4	14
448	Nano-particle delivery of brain derived neurotrophic factor after focal cerebral ischemia reduces tissue injury and enhances behavioral recovery. <i>Pharmacology Biochemistry and Behavior</i> , 2016, 150-151, 48-56.	1.3	71
450	Effects of repetitive transcranial magnetic stimulation on motor recovery and motor cortex excitability in patients with stroke: a randomized controlled trial. <i>European Journal of Neurology</i> , 2016, 23, 1666-1672.	1.7	93
451	Neural Stem Cell Transplantation Induces Stroke Recovery by Upregulating Glutamate Transporter GLT-1 in Astrocytes. <i>Journal of Neuroscience</i> , 2016, 36, 10529-10544.	1.7	91
452	Neuronal networks provide rapid neuroprotection against spreading toxicity. <i>Scientific Reports</i> , 2016, 6, 33746.	1.6	40
453	Injury site-specific targeting of complement inhibitors for treating stroke. <i>Immunological Reviews</i> , 2016, 274, 270-280.	2.8	47
454	Visually-guided gait training in paretic patients during the first rehabilitation phase: study protocol for a randomized controlled trial. <i>Trials</i> , 2016, 17, 523.	0.7	14
455	Reward gain model describes cortical use-dependent plasticity. , 2016, 2016, 5-8.		2
456	Peripheral sensory stimulation is neuroprotective in a rat photothrombotic ischemic stroke model. , 2016, 2016, 6086-6089.		3
457	Connecting Neuroscience to Rehabilitation Medicine :. <i>The Japanese Journal of Rehabilitation Medicine</i> , 2016, 53, 316-323.	0.0	0
459	Robot-assisted therapy using the MOTOMed letto 2 for the integrated early rehabilitation of stroke patients admitted to the intensive care unit. <i>Human Physiology</i> , 2016, 42, 885-890.	0.1	11
460	How to design clinical rehabilitation trials for the upper paretic limb early post stroke?. <i>Trials</i> , 2016, 17, 468.	0.7	39
461	Illuminating the Effects of Stroke on the Diabetic Brain: Insights From Imaging Neural and Vascular Networks in Experimental Animal Models. <i>Diabetes</i> , 2016, 65, 1779-1788.	0.3	16

#	ARTICLE	IF	CITATIONS
462	The potential synergism by combining external counterpulsation with intermittent theta burst stimulation in post-stroke motor function recovery. <i>Medical Hypotheses</i> , 2016, 93, 140-142.	0.8	0
463	Alpha-linolenic acid given as enteral or parenteral nutritional intervention against sensorimotor and cognitive deficits in a mouse model of ischemic stroke. <i>Neuropharmacology</i> , 2016, 108, 60-72.	2.0	28
464	Neurorestoration after stroke. <i>Neurosurgical Focus</i> , 2016, 40, E2.	1.0	72
465	Effects of vagus nerve stimulation on cognitive functioning in rats with cerebral ischemia reperfusion. <i>Journal of Translational Medicine</i> , 2016, 14, 101.	1.8	40
466	Neurophysiological foundations and practical realizations of the brain-machine interfaces in the technology in neurological rehabilitation. <i>Human Physiology</i> , 2016, 42, 103-110.	0.1	18
467	Cerebrolysin combined with rehabilitation promotes motor recovery in patients with severe motor impairment after stroke. <i>BMC Neurology</i> , 2016, 16, 31.	0.8	57
468	Enhanced phasic GABA inhibition during the repair phase of stroke: a novel therapeutic target. <i>Brain</i> , 2016, 139, 468-480.	3.7	94
469	Causal Link between the Cortico-Rubral Pathway and Functional Recovery through Forced Impaired Limb Use in Rats with Stroke. <i>Journal of Neuroscience</i> , 2016, 36, 455-467.	1.7	88
470	Running exercise enhances motor functional recovery with inhibition of dendritic regression in the motor cortex after collagenase-induced intracerebral hemorrhage in rats. <i>Behavioural Brain Research</i> , 2016, 300, 56-64.	1.2	29
471	Vagus Nerve Stimulation During Rehabilitative Training Improves Forelimb Recovery After Chronic Ischemic Stroke in Rats. <i>Neurorehabilitation and Neural Repair</i> , 2016, 30, 676-684.	1.4	90
472	Venlafaxine treatment after endothelin-1-induced cortical stroke modulates growth factor expression and reduces tissue damage in rats. <i>Neuropharmacology</i> , 2016, 107, 131-145.	2.0	16
473	Brain activation is related to smoothness of upper limb movements after stroke. <i>Experimental Brain Research</i> , 2016, 234, 2077-2089.	0.7	43
474	Efficient neuroplasticity induction in chronic stroke patients by an associative brain-computer interface. <i>Journal of Neurophysiology</i> , 2016, 115, 1410-1421.	0.9	189
475	Exercise and Environmental Enrichment as Enablers of Task-Specific Neuroplasticity and Stroke Recovery. <i>Neurotherapeutics</i> , 2016, 13, 395-402.	2.1	91
476	Effect of a Task-Oriented Rehabilitation Program on Upper Extremity Recovery Following Motor Stroke. <i>JAMA - Journal of the American Medical Association</i> , 2016, 315, 571.	3.8	263
477	Impaired Arm Function and Finger Dexterity in a Nonhuman Primate Model of Stroke. <i>Stroke</i> , 2016, 47, 1109-1116.	1.0	23
478	A novel multi-modal platform to image molecular and elemental alterations in ischemic stroke. <i>Neurobiology of Disease</i> , 2016, 91, 132-142.	2.1	40
479	Effects of Unilateral Upper Limb Training in Two Distinct Prognostic Groups Early After Stroke. <i>Neurorehabilitation and Neural Repair</i> , 2016, 30, 804-816.	1.4	140

#	ARTICLE	IF	CITATIONS
480	Optogenetic Approaches to Target Specific Neural Circuits in Post-stroke Recovery. <i>Neurotherapeutics</i> , 2016, 13, 325-340.	2.1	34
481	Effects of Subdural Monopolar Cortical Stimulation Paired With Rehabilitative Training on Behavioral and Neurophysiological Recovery After Cortical Ischemic Stroke in Adult Squirrel Monkeys. <i>Neurorehabilitation and Neural Repair</i> , 2016, 30, 159-172.	1.4	17
482	Cofilin as a Promising Therapeutic Target for Ischemic and Hemorrhagic Stroke. <i>Translational Stroke Research</i> , 2016, 7, 33-41.	2.3	48
483	Tissue plasminogen activator followed by antioxidant-loaded nanoparticle delivery promotes activation/mobilization of progenitor cells in infarcted rat brain. <i>Biomaterials</i> , 2016, 81, 169-180.	5.7	69
484	Intraoperative mapping during repeat awake craniotomy reveals the functional plasticity of adult cortex. <i>Journal of Neurosurgery</i> , 2016, 124, 1460-1469.	0.9	157
485	Neuroplasticity for spontaneous functional recovery after neonatal hypoxic ischemic brain injury in rats observed by functional MRI and diffusion tensor imaging. <i>NeuroImage</i> , 2016, 126, 140-150.	2.1	13
486	The 3 Rs of Stroke Biology: Radial, Relayed, and Regenerative. <i>Neurotherapeutics</i> , 2016, 13, 348-359.	2.1	64
487	Constraint-induced aphasia therapy (CIAT): a randomised controlled trial in very early stroke rehabilitation. <i>Aphasiology</i> , 2016, 30, 566-584.	1.4	27
488	BCI Applied to Neurorehabilitation. <i>Biosystems and Biorobotics</i> , 2016, , 169-196.	0.2	1
489	The impact of dose on naming accuracy with persons with aphasia. <i>Aphasiology</i> , 2016, 30, 983-1011.	1.4	31
490	Rosmarinic acid prevents against memory deficits in ischemic mice. <i>Behavioural Brain Research</i> , 2016, 297, 91-103.	1.2	65
491	Astrocytes: Orchestrating synaptic plasticity?. <i>Neuroscience</i> , 2016, 323, 43-61.	1.1	196
492	The Plasminogen Activation System Promotes Dendritic Spine Recovery and Improvement in Neurological Function After an Ischemic Stroke. <i>Translational Stroke Research</i> , 2017, 8, 47-56.	2.3	12
493	Developing a Wearable Ankle Rehabilitation Robotic Device for in-Bed Acute Stroke Rehabilitation. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2017, 25, 589-596.	2.7	88
494	Spontaneous and Therapeutic-Induced Mechanisms of Functional Recovery After Stroke. <i>Translational Stroke Research</i> , 2017, 8, 33-46.	2.3	199
495	Optical inhibition of striatal neurons promotes focal neurogenesis and neurobehavioral recovery in mice after middle cerebral artery occlusion. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 837-847.	2.4	27
496	Array Focal Cortical Stimulation Enhances Motor Function Recovery and Brain Remodeling in a Rat Model of Ischemia. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2017, 26, 658-665.	0.7	7
497	Reactive astrogliosis in stroke: Contributions of astrocytes to recovery of neurological function. <i>Neurochemistry International</i> , 2017, 107, 88-103.	1.9	107

#	ARTICLE	IF	CITATIONS
498	EEG neural correlates of goal-directed movement intention. <i>NeuroImage</i> , 2017, 149, 129-140.	2.1	92
499	Soluble cp15 from Astrocytes Ameliorates Neurite Outgrowth Recovery of Hippocampal Neurons after Mouse Cerebral Ischemia. <i>Journal of Neuroscience</i> , 2017, 37, 1628-1647.	1.7	22
500	Effect of Physical and Social Components of Enriched Environment on Astrocytes Proliferation in Rats After Cerebral Ischemia/Reperfusion Injury. <i>Neurochemical Research</i> , 2017, 42, 1308-1316.	1.6	35
501	Prediction of post-stroke dementia using NINDS-CSN 5-minute neuropsychology protocol in acute stroke. <i>International Psychogeriatrics</i> , 2017, 29, 777-784.	0.6	26
502	Orofacial impairment in stroke patients. <i>Journal of Oral Rehabilitation</i> , 2017, 44, 313-326.	1.3	63
503	A Review of and Taxonomy for Computer Supported Neuro-Motor Rehabilitation Systems. <i>Intelligent Systems Reference Library</i> , 2017, , 39-58.	1.0	0
504	Behavioural clusters and predictors of performance during recovery from stroke. <i>Nature Human Behaviour</i> , 2017, 1, .	6.2	160
505	Fostering Poststroke Recovery. <i>Stroke</i> , 2017, 48, 1112-1119.	1.0	30
506	Cerebral vascular structure in the motor cortex of adult mice is stable and is not altered by voluntary exercise. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 3725-3743.	2.4	44
507	Association Between Brain-Derived Neurotrophic Factor Genotype and Upper Extremity Motor Outcome After Stroke. <i>Stroke</i> , 2017, 48, 1457-1462.	1.0	18
508	Cognitive Deficits after Cerebral Ischemia and Underlying Dysfunctional Plasticity: Potential Targets for Recovery of Cognition. <i>Journal of Alzheimer's Disease</i> , 2017, 60, S87-S105.	1.2	18
509	Low-level light emitting diode therapy promotes long-term functional recovery after experimental stroke in mice. <i>Journal of Biophotonics</i> , 2017, 10, 1761-1771.	1.1	18
510	Low-frequency rTMS of the unaffected hemisphere in stroke patients: A systematic review. <i>Acta Neurologica Scandinavica</i> , 2017, 136, 585-605.	1.0	45
511	The role of sleep in recovery following ischemic stroke: A review of human and animal data. <i>Neurobiology of Sleep and Circadian Rhythms</i> , 2017, 2, 94-105.	1.4	114
512	A novel fuzzy approach for automatic Brunnstrom stage classification using surface electromyography. <i>Medical and Biological Engineering and Computing</i> , 2017, 55, 1367-1378.	1.6	23
513	Use of Electroencephalography Brain-Computer Interface Systems as a Rehabilitative Approach for Upper Limb Function After a Stroke: A Systematic Review. <i>PM and R</i> , 2017, 9, 918-932.	0.9	61
514	Upper limb robotics applied to neurorehabilitation: An overview of clinical practice. <i>NeuroRehabilitation</i> , 2017, 41, 5-15.	0.5	13
515	Optogenetic rewiring of thalamocortical circuits to restore function in the stroke injured brain. <i>Nature Communications</i> , 2017, 8, 15879.	5.8	96

#	ARTICLE	IF	CITATIONS
516	Reactive astrocytes function as phagocytes after brain ischemia via ABCA1-mediated pathway. <i>Nature Communications</i> , 2017, 8, 28.	5.8	287
517	Opening a New Time Window for Treatment of Stroke by Targeting HDAC2. <i>Journal of Neuroscience</i> , 2017, 37, 6712-6728.	1.7	64
518	Optogenetic neuronal stimulation of the lateral cerebellar nucleus promotes persistent functional recovery after stroke. <i>Scientific Reports</i> , 2017, 7, 46612.	1.6	59
519	Effects of robot-assisted upper limb rehabilitation in stroke patients: a systematic review with meta-analysis. <i>Neurological Sciences</i> , 2017, 38, 1561-1569.	0.9	241
520	Abnormal EEG Responses to TMS During the Cortical Silent Period Are Associated With Hand Function in Chronic Stroke. <i>Neurorehabilitation and Neural Repair</i> , 2017, 31, 666-676.	1.4	27
521	PEGylated insulin-like growth factor-I affords protection and facilitates recovery of lost functions post-focal ischemia. <i>Scientific Reports</i> , 2017, 7, 241.	1.6	15
522	A pilot study on transient ischemic stroke induced with endothelin-1 in the rhesus monkeys. <i>Scientific Reports</i> , 2017, 7, 45097.	1.6	22
523	Motor compensation and its effects on neural reorganization after stroke. <i>Nature Reviews Neuroscience</i> , 2017, 18, 267-280.	4.9	237
524	TMS measures of motor cortex function after stroke: A meta-analysis. <i>Brain Stimulation</i> , 2017, 10, 721-734.	0.7	154
525	Controlled clinical trials of cell therapy in stroke: Meta-analysis at six months after treatment. <i>International Journal of Stroke</i> , 2017, 12, 748-751.	2.9	17
526	The Effect of Diabetes on Cortical Function in Stroke: Implications for Poststroke Plasticity. <i>Diabetes</i> , 2017, 66, 1661-1670.	0.3	17
527	Buyang Huanwu decoction facilitates neurorehabilitation through an improvement of synaptic plasticity in cerebral ischemic rats. <i>BMC Complementary and Alternative Medicine</i> , 2017, 17, 173.	3.7	54
528	Diffusion tensor imaging as a prognostic biomarker for motor recovery and rehabilitation after stroke. <i>Neuroradiology</i> , 2017, 59, 343-351.	1.1	111
529	Modulating effect of cytokines on mechanisms of synaptic plasticity in the brain. <i>Biochemistry (Moscow)</i> , 2017, 82, 264-274.	0.7	84
530	A Short and Distinct Time Window for Recovery of Arm Motor Control Early After Stroke Revealed With a Global Measure of Trajectory Kinematics. <i>Neurorehabilitation and Neural Repair</i> , 2017, 31, 552-560.	1.4	82
531	Restoring brain function after stroke â€” bridging the gap between animals and humans. <i>Nature Reviews Neurology</i> , 2017, 13, 244-255.	4.9	158
532	After-effects of peripheral neurostimulation on brain plasticity and ankle function in chronic stroke: The role of afferents recruited. <i>Neurophysiologie Clinique</i> , 2017, 47, 275-291.	1.0	27
533	AMOBES (Active Mobility Very Early After Stroke). <i>Stroke</i> , 2017, 48, 400-405.	1.0	54

#	ARTICLE	IF	CITATIONS
534	The impact of early aerobic exercise on brain microvascular alterations induced by cerebral hypoperfusion. <i>Brain Research</i> , 2017, 1657, 43-51.	1.1	21
535	Cerebral imaging of post-stroke plasticity and tissue repair. <i>Revue Neurologique</i> , 2017, 173, 577-583.	0.6	12
536	Inhibiting Histone Deacetylase 2 (HDAC2) Promotes Functional Recovery From Stroke. <i>Journal of the American Heart Association</i> , 2017, 6, .	1.6	45
537	Enhancing Spinal Plasticity Amplifies the Benefits of Rehabilitative Training and Improves Recovery from Stroke. <i>Journal of Neuroscience</i> , 2017, 37, 10983-10997.	1.7	33
538	Disrupted Ionic Homeostasis in Ischemic Stroke and New Therapeutic Targets. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2017, 26, 2706-2719.	0.7	53
539	Glial GABA Transporters as Modulators of Inhibitory Signalling in Epilepsy and Stroke. <i>Advances in Neurobiology</i> , 2017, 16, 137-167.	1.3	21
540	Investigating the impact of feedback update interval on the efficacy of restorative brain-computer interfaces. <i>Royal Society Open Science</i> , 2017, 4, 170660.	1.1	6
541	A new era of multiple sclerosis rehabilitation: lessons from stroke. <i>Lancet Neurology</i> , The, 2017, 16, 768-769.	4.9	17
542	Effects of High- Versus Moderate-Intensity Training on Neuroplasticity and Functional Recovery After Focal Ischemia. <i>Stroke</i> , 2017, 48, 2855-2864.	1.0	39
543	The large and small SPEN family proteins stimulate axon outgrowth during neurosecretory cell remodeling in <i>Drosophila</i> . <i>Developmental Biology</i> , 2017, 431, 226-238.	0.9	10
544	Motor Imagery Training After Stroke: A Systematic Review and Meta-analysis of Randomized Controlled Trials. <i>Journal of Neurologic Physical Therapy</i> , 2017, 41, 205-214.	0.7	89
545	Brain Angiogenesis After Stroke. , 2017, , 473-494.		3
546	Enhancing the alignment of the preclinical and clinical stroke recovery research pipeline: Consensus-based core recommendations from the Stroke Recovery and Rehabilitation Roundtable translational working group. <i>International Journal of Stroke</i> , 2017, 12, 462-471.	2.9	82
547	A Single Bout of High-Intensity Interval Training Improves Motor Skill Retention in Individuals With Stroke. <i>Neurorehabilitation and Neural Repair</i> , 2017, 31, 726-735.	1.4	81
548	Stroke triggers nigrostriatal plasticity and increases alcohol consumption in rats. <i>Scientific Reports</i> , 2017, 7, 2501.	1.6	20
549	Efficacy and Safety of Very Early Mobilization in Patients with Acute Stroke: A Systematic Review and Meta-analysis. <i>Scientific Reports</i> , 2017, 7, 6550.	1.6	23
550	Enhancing the Alignment of the Preclinical and Clinical Stroke Recovery Research Pipeline: Consensus-Based Core Recommendations From the Stroke Recovery and Rehabilitation Roundtable Translational Working Group. <i>Neurorehabilitation and Neural Repair</i> , 2017, 31, 699-707.	1.4	64
551	Moving Rehabilitation Research Forward: Developing Consensus Statements for Rehabilitation and Recovery Research. <i>Neurorehabilitation and Neural Repair</i> , 2017, 31, 694-698.	1.4	40

#	ARTICLE	IF	CITATIONS
552	Transcranial direct current stimulation over multiple days enhances motor performance of a grip task. <i>Annals of Physical and Rehabilitation Medicine</i> , 2017, 60, 329-333.	1.1	27
553	SMART Arm Training With Outcome-Triggered Electrical Stimulation in Subacute Stroke Survivors With Severe Arm Disability: A Randomized Controlled Trial. <i>Neurorehabilitation and Neural Repair</i> , 2017, 31, 1005-1016.	1.4	11
554	Longitudinal Structural and Functional Differences Between Proportional and Poor Motor Recovery After Stroke. <i>Neurorehabilitation and Neural Repair</i> , 2017, 31, 1029-1041.	1.4	49
555	Sleep, Preconditioning and Stroke. <i>Stroke</i> , 2017, 48, 3400-3407.	1.0	13
556	Optogenetically stimulating intact rat corticospinal tract post-stroke restores motor control through regionalized functional circuit formation. <i>Nature Communications</i> , 2017, 8, 1187.	5.8	62
557	Attenuation of opioid tolerance by ET B receptor agonist, IRL-1620, is independent of an accompanied decrease in nerve growth factor in mice. <i>Heliyon</i> , 2017, 3, e00317.	1.4	4
558	Music-based interventions in neurological rehabilitation. <i>Lancet Neurology</i> , The, 2017, 16, 648-660.	4.9	316
559	Stroke: Basic and Clinical. <i>Advances in Neurobiology</i> , 2017, 15, 281-293.	1.3	5
560	Effect of electroacupuncture at Ganshu (BL 18) and Shenshu (BL 23) on the expression of EphB2 protein in cortex around cerebral infarcted area of rat. <i>Journal of Acupuncture and Tuina Science</i> , 2017, 15, 14-21.	0.1	1
561	Effects of Transcranial Direct Current Stimulation With Sensory Modulation on Stroke Motor Rehabilitation: A Randomized Controlled Trial. <i>Archives of Physical Medicine and Rehabilitation</i> , 2017, 98, 2477-2484.	0.5	25
562	Importance and Difficulties of Pursuing rTMS Research in Acute Stroke. <i>Physical Therapy</i> , 2017, 97, 310-319.	1.1	8
563	Physical Exercise Improves Cognitive Outcomes in 2 Models of Transient Cerebral Ischemia. <i>Stroke</i> , 2017, 48, 2306-2309.	1.0	16
564	Magnetic resonance imaging of local and remote vascular remodelling after experimental stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 2768-2779.	2.4	25
565	The Role of Endogenous Neurogenesis in Functional Recovery and Motor Map Reorganization Induced by Rehabilitative Therapy after Stroke in Rats. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2017, 26, 260-272.	0.7	19
566	Effects of Robot-Assisted Therapy for the Upper Limb After Stroke. <i>Neurorehabilitation and Neural Repair</i> , 2017, 31, 107-121.	1.4	398
567	Assessing neuronal density in peri-infarct cortex with PET: Effects of cortical topology and partial volume correction. <i>Human Brain Mapping</i> , 2017, 38, 326-338.	1.9	10
568	Neurovascular unit remodelling in the subacute stage of stroke recovery. <i>NeuroImage</i> , 2017, 146, 869-882.	2.1	45
569	Low-Frequency Intracortical Electrical Stimulation Decreases Sensorimotor Cortex Hyperexcitability in the Acute Phase of Ischemic Stroke. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2017, 25, 1287-1296.	2.7	3

#	ARTICLE	IF	CITATIONS
570	Design and development of a glove for post-stroke hand rehabilitation. , 2017, , .		8
571	Structural Neural Plasticity During Stroke Recovery * *This work was supported by operating, salary, and equipment grants to C.E.B. from CIHR, Heart and Stroke Foundation of BC and Yukon, MSFHR, NSERC, and CFI.. , 2017, , 49-70.		0
572	Is Lesion-Induced Synaptic Rewiring Driven by Activity Homeostasis?. , 2017, , 71-92.		16
573	Early upper limb physiotherapy in stroke patients. Questions without answers. Advances in Rehabilitation, 2017, 31, 37-47.	0.2	3
574	Diabetics and Stroke. Translational Medicine Research, 2017, , 169-198.	0.0	1
575	Design and development of a skinny bidirectional soft glove for post-stroke hand rehabilitation. , 2017, , .		8
576	The sEMG characteristics of human upper limb during circle drawing on EULRR system. , 2017, , .		3
577	Design of joint structure for upper limb exoskeleton robot system. , 2017, , .		2
578	Asymmetry of hemispheric interdependences in the early hours following unilateral stroke: An electrophysiological study in rats. , 2017, 2017, 4363-4366.		1
579	Nicotinic Acetylcholine Receptor Alpha7 Subunit Mediates Vagus Nerve Stimulation-Induced Neuroprotection in Acute Permanent Cerebral Ischemia by a7nAChR/JAK2 Pathway. Medical Science Monitor, 2017, 23, 6072-6081.	0.5	34
580	Mitochondrial Regulators of Synaptic Plasticity in the Ischemic Brain. , 2017, , .		1
581	Intensifying Functional Task Practice to Meet Aerobic Training Guidelines in Stroke Survivors. Frontiers in Physiology, 2017, 8, 809.	1.3	18
582	Electromyographic bridge for promoting the recovery of hand movements in subacute stroke patients: A randomized controlled trial. Journal of Rehabilitation Medicine, 2017, 49, 629-636.	0.8	13
583	Protective efficacy of a single salvianolic acid A treatment on photothrombosis-induced sustained spatial memory impairments. Neuropsychiatric Disease and Treatment, 2017, Volume 13, 1181-1192.	1.0	9
584	Cortex-dependent recovery of unassisted hindlimb locomotion after complete spinal cord injury in adult rats. ELife, 2017, 6, .	2.8	32
585	Neuroplastic Changes Following Brain Ischemia and their Contribution to Stroke Recovery: Novel Approaches in Neurorehabilitation. Frontiers in Cellular Neuroscience, 2017, 11, 76.	1.8	144
586	Focal Stroke in the Developing Rat Motor Cortex Induces Age- and Experience-Dependent Maladaptive Plasticity of Corticospinal System. Frontiers in Neural Circuits, 2017, 11, 47.	1.4	11
587	Using Biophysical Models to Understand the Effect of tDCS on Neurorehabilitation: Searching for Optimal Covariates to Enhance Poststroke Recovery. Frontiers in Neurology, 2017, 8, 58.	1.1	7

#	ARTICLE	IF	CITATIONS
588	Neural Plasticity in Moderate to Severe Chronic Stroke Following a Device-Assisted Task-Specific Arm/Hand Intervention. <i>Frontiers in Neurology</i> , 2017, 8, 284.	1.1	54
589	Usability of Videogame-Based Dexterity Training in the Early Rehabilitation Phase of Stroke Patients: A Pilot Study. <i>Frontiers in Neurology</i> , 2017, 8, 654.	1.1	58
590	The Optimal Speed for Cortical Activation of Passive Wrist Movements Performed by a Rehabilitation Robot: A Functional NIRS Study. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 194.	1.0	15
591	The Effects of Modified Constraint-Induced Movement Therapy in Acute Subcortical Cerebral Infarction. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 265.	1.0	22
592	Strong Functional Connectivity among Homotopic Brain Areas Is Vital for Motor Control in Unilateral Limb Movement. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 366.	1.0	13
593	Changes in Electroencephalography Complexity using a Brain Computer Interface-Motor Observation Training in Chronic Stroke Patients: A Fuzzy Approximate Entropy Analysis. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 444.	1.0	34
594	Role of the Contralesional vs. Ipsilesional Hemisphere in Stroke Recovery. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 469.	1.0	139
595	Enhancing Plasticity of the Central Nervous System: Drugs, Stem Cell Therapy, and Neuro-Implants. <i>Neural Plasticity</i> , 2017, 2017, 1-9.	1.0	12
596	Functional Activation-Informed Structural Changes during Stroke Recovery: A Longitudinal MRI Study. <i>BioMed Research International</i> , 2017, 2017, 1-13.	0.9	4
597	Combining robotic training and inactivation of the healthy hemisphere restores pre-stroke motor patterns in mice. <i>ELife</i> , 2017, 6, .	2.8	50
598	Feasibility and safety of early lower limb robot-assisted training in sub-acute stroke patients: a pilot study. <i>European Journal of Physical and Rehabilitation Medicine</i> , 2017, 53, 870-882.	1.1	13
599	Cerebrolysin for functional recovery in patients with acute ischemic stroke: a meta-analysis of randomized controlled trials. <i>Drug Design, Development and Therapy</i> , 2017, Volume 11, 1273-1282.	2.0	16
600	Post-ischemic stroke rehabilitation is associated with a higher risk of fractures in older women: A population-based cohort study. <i>PLoS ONE</i> , 2017, 12, e0175825.	1.1	9
601	Does motivation matter in upper-limb rehabilitation after stroke? ArmeoSenso-Reward: study protocol for a randomized controlled trial. <i>Trials</i> , 2017, 18, 580.	0.7	19
602	General anesthetics protects against cardiac arrest-induced brain injury by inhibiting calcium wave propagation in zebrafish. <i>Molecular Brain</i> , 2017, 10, 44.	1.3	10
603	Neuroscience-Based Rehabilitation for Stroke Patients. , 0, , .		0
604	Comparative regenerative mechanisms across different mammalian tissues. <i>Npj Regenerative Medicine</i> , 2018, 3, 6.	2.5	157
605	High-Intensity Interval Training After Stroke: An Opportunity to Promote Functional Recovery, Cardiovascular Health, and Neuroplasticity. <i>Neurorehabilitation and Neural Repair</i> , 2018, 32, 543-556.	1.4	89

#	ARTICLE	IF	CITATIONS
606	Excessive sedentary time during in-patient stroke rehabilitation. <i>Topics in Stroke Rehabilitation</i> , 2018, 25, 1-9.	1.0	46
607	CRMP2-binding compound, edonepic maleate, accelerates motor function recovery from brain damage. <i>Science</i> , 2018, 360, 50-57.	6.0	64
608	Determining the Effects of a Horticultural Therapy Program for Improving the Upper Limb Function and Balance Ability of Stroke Patients. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2018, 53, 110-119.	0.5	8
609	Dynamic reorganization of TMS-evoked activity in subcortical stroke patients. <i>NeuroImage</i> , 2018, 175, 365-378.	2.1	52
610	Predicting recovery in acute poststroke aphasia. <i>Annals of Neurology</i> , 2018, 83, 612-622.	2.8	104
611	Effects of transcranial direct current stimulation on walking ability after stroke: A systematic review and meta-analysis. <i>Restorative Neurology and Neuroscience</i> , 2018, 36, 59-71.	0.4	34
612	A bio-inspired design of a hand robotic exoskeleton for rehabilitation. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	4
613	Metaplasticity: A Promising Tool to Disentangle Chronic Disorders of Consciousness Differential Diagnosis. <i>International Journal of Neural Systems</i> , 2018, 28, 1750059.	3.2	11
614	Direct and Indirect Therapy: Neurostimulation for the Treatment of Dysphagia After Stroke. <i>Medical Radiology</i> , 2018, , 731-761.	0.0	0
615	Electroacupuncture as an adjunctive therapy for motor dysfunction in acute stroke survivors: a systematic review and meta-analyses. <i>BMJ Open</i> , 2018, 8, e017153.	0.8	27
616	Sensory deprivation after focal ischemia in mice accelerates brain remapping and improves functional recovery through Arc-dependent synaptic plasticity. <i>Science Translational Medicine</i> , 2018, 10, .	5.8	28
617	Neuroglobin boosts axon regeneration during ischemic reperfusion via p38 binding and activation depending on oxygen signal. <i>Cell Death and Disease</i> , 2018, 9, 163.	2.7	33
618	A review: Motor rehabilitation after stroke with control based on human intent. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2018, 232, 344-360.	1.0	49
619	17 Multiscale correlative imaging of the brain. , 2018, , 321-344.		0
620	New roles of reactive astrocytes in the brain; an organizer of cerebral ischemia. <i>Neurochemistry International</i> , 2018, 119, 107-114.	1.9	49
621	Vagus Nerve Stimulation Enhances Stable Plasticity and Generalization of Stroke Recovery. <i>Stroke</i> , 2018, 49, 710-717.	1.0	121
622	Comparison of Neuroplastic Responses to Cathodal Transcranial Direct Current Stimulation and Continuous Theta Burst Stimulation in Subacute Stroke. <i>Archives of Physical Medicine and Rehabilitation</i> , 2018, 99, 862-872.e1.	0.5	32
623	Re-emergence of modular brain networks in stroke recovery. <i>Cortex</i> , 2018, 101, 44-59.	1.1	173

#	ARTICLE	IF	CITATIONS
624	Mild Contralesional Hypothermia Reduces Use of the Unimpaired Forelimb in a Skilled Reaching Task After Motor Cortex Injury in Rats. <i>Therapeutic Hypothermia and Temperature Management</i> , 2018, 8, 90-98.	0.3	2
625	Reverse NCX Attenuates Cellular Sodium Loading in Metabolically Compromised Cortex. <i>Cerebral Cortex</i> , 2018, 28, 4264-4280.	1.6	44
626	Ritanserin, a serotonin-2 receptor antagonist, inhibits functional recovery after cerebral infarction. <i>NeuroReport</i> , 2018, 29, 54-58.	0.6	8
627	The Identification and Control of a Finger Exoskeleton for Grasping Rehabilitation. <i>Lecture Notes in Mechanical Engineering</i> , 2018, , 177-182.	0.3	0
628	Stem Cell-Based Immunomodulation After Stroke. <i>Stroke</i> , 2018, 49, 1563-1570.	1.0	36
629	Using Cognitive Neuroscience to Improve Mental Health Treatment: A Comprehensive Review. <i>Journal of the Society for Social Work and Research</i> , 2018, 9, 223-260.	0.9	7
630	Changes in resting-state functional connectivity after stroke in a mouse brain lacking extracellular matrix components. <i>Neurobiology of Disease</i> , 2018, 112, 91-105.	2.1	22
631	Tissue-type plasminogen activator protects the postsynaptic density in the ischemic brain. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2018, 38, 1896-1910.	2.4	17
632	The relationship between BDNF Val66Met polymorphism and functional mobility in chronic stroke survivors. <i>Topics in Stroke Rehabilitation</i> , 2018, 25, 276-280.	1.0	12
633	Factors affecting post-stroke motor recovery: Implications on neurotherapy after brain injury. <i>Behavioural Brain Research</i> , 2018, 340, 94-101.	1.2	113
634	Extracellular Matrix Modulation Is Driven by Experience-Dependent Plasticity During Stroke Recovery. <i>Molecular Neurobiology</i> , 2018, 55, 2196-2213.	1.9	31
635	Changes in transcranial magnetic stimulation outcome measures in response to upper-limb physical training in stroke: A systematic review of randomized controlled trials. <i>Annals of Physical and Rehabilitation Medicine</i> , 2018, 61, 224-234.	1.1	25
636	Early versus late-applied constraint-induced movement therapy: A multisite, randomized controlled trial with a 12-month follow-up. <i>Physiotherapy Research International</i> , 2018, 23, e1689.	0.7	11
637	Therapists' cues influence lower limb muscle activation and kinematics during gait training in subacute stroke. <i>Disability and Rehabilitation</i> , 2018, 40, 3156-3163.	0.9	16
638	Changes in dynamic resting state network connectivity following aphasia therapy. <i>Brain Imaging and Behavior</i> , 2018, 12, 1141-1149.	1.1	26
639	Continuous and not continuous 2-week treadmill training enhances the performance in the passive avoidance test in ischemic gerbils. <i>Neuroscience Letters</i> , 2018, 665, 170-175.	1.0	2
640	Pharmacotherapy and motor recovery after stroke. <i>Expert Review of Neurotherapeutics</i> , 2018, 18, 65-82.	1.4	25
641	The Interval Between VNS-Tone Pairings Determines the Extent of Cortical Map Plasticity. <i>Neuroscience</i> , 2018, 369, 76-86.	1.1	29

#	ARTICLE	IF	CITATIONS
642	Coordinated Plasticity of Synapses and Astrocytes Underlies Practice-Driven Functional Vicariation in Peri-Infarct Motor Cortex. <i>Journal of Neuroscience</i> , 2018, 38, 93-107.	1.7	36
643	Role of Cerebrolysin in cervical spondylotic myelopathy patients: a prospective randomized study. <i>Spine Journal</i> , 2018, 18, 1136-1142.	0.6	8
644	Behavioral outcome measures to improve experimental stroke research. <i>Behavioural Brain Research</i> , 2018, 352, 161-171.	1.2	68
645	Hand Motor Rehabilitation of Patients with Stroke Using Physiologically Congruent Neurofeedback. , 2018, , .		4
646	A Novel Movement Intention Detection Method for Neurorehabilitation Brain-Computer Interface System. , 2018, , .		5
647	Plastic Network Changes During Brain Disease. <i>Handbook of Behavioral Neuroscience</i> , 2018, , 415-424.	0.7	1
648	Towards Targeted Brain Stimulation in Stroke: Connectivity as a Biomarker of Response. <i>Journal of Experimental Neuroscience</i> , 2018, 12, 117906951880906.	2.3	8
649	Evolution of Excitationâ€“Inhibition Ratio in Cortical Cultures Exposed to Hypoxia. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 183.	1.8	15
650	Targeting phosphodiesterase 4 as a potential therapeutic strategy for enhancing neuroplasticity following ischemic stroke. <i>International Journal of Biological Sciences</i> , 2018, 14, 1745-1754.	2.6	28
651	Treatments to Promote Neural Repair after Stroke. <i>Journal of Stroke</i> , 2018, 20, 57-70.	1.4	79
652	Cell Death Mechanisms in Stroke and Novel Molecular and Cellular Treatment Options. <i>Current Neuropharmacology</i> , 2018, 16, 1396-1415.	1.4	221
653	Virtual Reality in Rehabilitationâ€”Using Technology to Enhance Function. <i>PM and R</i> , 2018, 10, 1221-1222.	0.9	2
654	Increased Corticomuscular Coherence and Brain Activation Immediately After Short-Term Neuromuscular Electrical Stimulation. <i>Frontiers in Neurology</i> , 2018, 9, 886.	1.1	7
655	Fourier-Transform Infrared Imaging Spectroscopy and Laser Ablation -ICPMS New Vistas for Biochemical Analyses of Ischemic Stroke in Rat Brain. <i>Frontiers in Neuroscience</i> , 2018, 12, 647.	1.4	20
656	Behavioral Effect of Short- and Long-Term Exercise on Motor Functional Recovery after Intracerebral Hemorrhage in Rats. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2018, 27, 3630-3635.	0.7	9
657	Brain imaging in comatose survivors of cardiac arrest: Pathophysiological correlates and prognostic properties. <i>Resuscitation</i> , 2018, 133, 124-136.	1.3	73
658	Surgical Clipping of Previously Ruptured, Coiled Aneurysms: Outcome Assessment in 53 Patients. <i>World Neurosurgery</i> , 2018, 120, e203-e211.	0.7	11
659	Forecasting Social Network Reaction to Disruption: Current Practices and New Directions. <i>SSRN Electronic Journal</i> , 2018, , .	0.4	0

#	ARTICLE	IF	CITATIONS
660	Dissociating motor learning from recovery in exoskeleton training post-stroke. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2018, 15, 89.	2.4	35
661	Repetitive Transcranial Magnetic Stimulation for Upper Extremity Motor Recovery: Does It Help?. <i>Current Neurology and Neuroscience Reports</i> , 2018, 18, 97.	2.0	15
662	Quantitative proteomic analysis of intracerebral hemorrhage in rats with a focus on brain energy metabolism. <i>Brain and Behavior</i> , 2018, 8, e01130.	1.0	19
663	Neurogenesis and gliogenesis modulation in cerebral ischemia by CDK5 RNAi-based therapy. <i>Biomedica</i> , 2018, 38, 388-397.	0.3	5
664	Cortical Reshaping and Functional Recovery Induced by Silk Fibroin Hydrogels-Encapsulated Stem Cells Implanted in Stroke Animals. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 296.	1.8	34
665	Effect of Combined Treatment with MLC601 (NeuroAiDTM) and Rehabilitation on Post-Stroke Recovery: The CHIMES and CHIMES-E Studies. <i>Cerebrovascular Diseases</i> , 2018, 46, 82-88.	0.8	13
666	Time spent lying, sitting, and upright during hospitalization after stroke: a prospective observation study. <i>BMC Neurology</i> , 2018, 18, 138.	0.8	25
667	Thromboprophylaxis and Seizure Management in Intracerebral Hemorrhage. , 2018, , 57-79.		0
668	tDCS Facilitation of Picture Naming: Item-Specific, Task General, or Neither?. <i>Frontiers in Neuroscience</i> , 2018, 12, 549.	1.4	2
669	Targeted complement inhibition salvages stressed neurons and inhibits neuroinflammation after stroke in mice. <i>Science Translational Medicine</i> , 2018, 10, .	5.8	125
670	Hypoxic postconditioning enhances functional recovery following endothelin-1 induced middle cerebral artery occlusion in conscious rats. <i>Experimental Neurology</i> , 2018, 306, 177-189.	2.0	7
671	Short-Term Effects of Cerebellar tDCS on Standing Balance Performance in Patients with Chronic Stroke and Healthy Age-Matched Elderly. <i>Cerebellum</i> , 2018, 17, 575-589.	1.4	56
672	Relation of white matter hyperintensities and motor deficits in chronic stroke. <i>Restorative Neurology and Neuroscience</i> , 2018, 36, 349-357.	0.4	3
673	Bilateral Motor Cortex Plasticity in Individuals With Chronic Stroke, Induced by Paired Associative Stimulation. <i>Neurorehabilitation and Neural Repair</i> , 2018, 32, 671-681.	1.4	13
674	Recovery of the 20â€™Hz Rebound to Tactile and Proprioceptive Stimulation after Stroke. <i>Neural Plasticity</i> , 2018, 2018, 1-11.	1.0	11
675	Physiological basis of neuromotor recovery. , 2018, , 1-13.		3
676	Potential Neuroprotective Strategies for Ischemic Injuries. , 2018, , 89-154.		0
677	Motor Improvement of Skilled Forelimb Use Induced by Treatment with Growth Hormone and Rehabilitation Is Dependent on the Onset of the Treatment after Cortical Ablation. <i>Neural Plasticity</i> , 2018, 2018, 1-15.	1.0	14

#	ARTICLE	IF	CITATIONS
678	Neural Repair for Cerebrovascular Diseases. , 2018, , 35-67.		0
679	Acute Complement Inhibition Potentiates Neurorehabilitation and Enhances tPA-Mediated Neuroprotection. <i>Journal of Neuroscience</i> , 2018, 38, 6527-6545.	1.7	20
680	Targeted Neuromodulation of Abnormal Interhemispheric Connectivity to Promote Neural Plasticity and Recovery of Arm Function after Stroke: A Randomized Crossover Clinical Trial Study Protocol. <i>Neural Plasticity</i> , 2018, 2018, 1-8.	1.0	5
681	RLIPostC protects against cerebral ischemia through improved synaptogenesis in rats. <i>Brain Injury</i> , 2018, 32, 1429-1436.	0.6	9
682	Moving stroke rehabilitation forward: The need to change research. <i>NeuroRehabilitation</i> , 2018, 43, 19-30.	0.5	42
683	A non-task-oriented approach based on high-dose playful movement exploration for rehabilitation of the upper limb early after stroke: A proposal. <i>NeuroRehabilitation</i> , 2018, 43, 31-40.	0.5	33
684	Is Environmental Enrichment Ready for Clinical Application in Human Post-stroke Rehabilitation?. <i>Frontiers in Behavioral Neuroscience</i> , 2018, 12, 135.	1.0	98
686	Emergent coordination with a brain-machine interface: implications for the neural basis of motor learning. <i>Journal of Neurophysiology</i> , 2018, 120, 889-892.	0.9	0
687	Functional recovery after the systemic administration of mesenchymal stem cells in a rat model of neonatal hypoxia-ischemia. <i>Journal of Neurosurgery: Pediatrics</i> , 2018, 22, 513-522.	0.8	14
688	Early Mobilization After Stroke Is Not Associated With Cognitive Outcome. <i>Stroke</i> , 2018, 49, 2147-2154.	1.0	13
689	The effects of mental practice based on motor imagery for mobility recovery after subacute stroke: Protocol for a randomized controlled trial. <i>Complementary Therapies in Clinical Practice</i> , 2018, 33, 36-42.	0.7	5
690	Recovery and Rehabilitation after Stroke. , 2018, , 339-356.		0
691	Cerebral Ischemia Changed the Effect of Metabosensitive Muscle Afferents on Somatic Reflex Without Affecting Thalamic Activity. <i>Frontiers in Physiology</i> , 2018, 9, 638.	1.3	3
692	Brain-machine interfaces for rehabilitation in stroke: A review. <i>NeuroRehabilitation</i> , 2018, 43, 77-97.	0.5	87
693	Effect of Inhibition of DNA Methylation Combined with Task-Specific Training on Chronic Stroke Recovery. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2019.	1.8	19
694	Exoskeleton-Robot Assisted Therapy in Stroke Patients: A Lesion Mapping Study. <i>Frontiers in Neuroinformatics</i> , 2018, 12, 44.	1.3	19
695	Harnessing the Potential of Biomaterials for Brain Repair after Stroke. <i>Frontiers in Materials</i> , 2018, 5, .	1.2	31
696	Netrin-1 Promotes Synaptic Formation and Axonal Regeneration via JNK1/c-Jun Pathway after the Middle Cerebral Artery Occlusion. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 13.	1.8	28

#	ARTICLE	IF	CITATIONS
697	SPARC and GluA1-Containing AMPA Receptors Promote Neuronal Health Following CNS Injury. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 22.	1.8	31
698	Prognostic Value of Serum Copper for Post-Stroke Clinical Recovery: A Pilot Study. <i>Frontiers in Neurology</i> , 2018, 9, 333.	1.1	12
699	Benchmarking Brain-Computer Interfaces Outside the Laboratory: The Cybathlon 2016. <i>Frontiers in Neuroscience</i> , 2017, 11, 756.	1.4	33
700	Interactions Between Epilepsy and Plasticity. <i>Pharmaceuticals</i> , 2018, 11, 17.	1.7	39
701	Hydrogels-Assisted Cell Engraftment for Repairing the Stroke-Damaged Brain: Chimera or Reality. <i>Polymers</i> , 2018, 10, 184.	2.0	28
702	Targeted cortical reorganization using optogenetics in non-human primates. <i>ELife</i> , 2018, 7, .	2.8	45
703	Microfluidics for electrophysiology, imaging, and behavioral analysis of <i>Hydra</i> . <i>Lab on A Chip</i> , 2018, 18, 2523-2539.	3.1	29
704	Impaired Callosal Motor Fiber Integrity and Upper Extremity Motor Impairment Are Associated With Stroke Lesion Location. <i>Neurorehabilitation and Neural Repair</i> , 2018, 32, 602-612.	1.4	6
705	Music-supported therapy for stroke motor recovery: theoretical and practical considerations. <i>Annals of the New York Academy of Sciences</i> , 2018, 1423, 57-65.	1.8	12
706	Synergistic Effects of Enriched Environment and Task-Specific Reach Training on Poststroke Recovery of Motor Function. <i>Stroke</i> , 2018, 49, 1496-1503.	1.0	41
707	iTRAQ-Based Proteomics Analysis Reveals the Effect of Rhubarb in Rats with Ischemic Stroke. <i>BioMed Research International</i> , 2018, 2018, 1-13.	0.9	17
708	Increased BBB Permeability Enhances Activation of Microglia and Exacerbates Loss of Dendritic Spines After Transient Global Cerebral Ischemia. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 236.	1.8	61
709	Metformin Preconditioning of Human Induced Pluripotent Stem Cell-Derived Neural Stem Cells Promotes Their Engraftment and Improves Post-Stroke Regeneration and Recovery. <i>Stem Cells and Development</i> , 2018, 27, 1085-1096.	1.1	33
710	Ankle passive and active movement training in children with acute brain injury using a wearable robot. <i>Journal of Rehabilitation Medicine</i> , 2018, 50, 30-36.	0.8	9
711	Is the proportional recovery rule applicable to the lower limb after a first-ever ischemic stroke?. <i>PLoS ONE</i> , 2018, 13, e0189279.	1.1	39
712	Restoration of Speech Functions in Patients with Aphasia in the Early Rehabilitation Period of Ischemic Stroke. <i>Neuroscience and Behavioral Physiology</i> , 2018, 48, 646-649.	0.2	0
713	Inhibition of the Epigenetic Regulator REST Ameliorates Ischemic Brain Injury. <i>Molecular Neurobiology</i> , 2019, 56, 2542-2550.	1.9	18
714	Early rehabilitation after stroke: Strong recommendations but no achievement in the French Acute Healthcare Facilities. <i>Annals of Physical and Rehabilitation Medicine</i> , 2019, 62, 58-59.	1.1	1

#	ARTICLE	IF	CITATIONS
715	Early reduced behavioral activity induced by large strokes affects the efficiency of enriched environment in rats. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019, 39, 2022-2034.	2.4	10
716	Brain ischemic insult induces cofilin rod formation leading to synaptic dysfunction in neurons. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019, 39, 2181-2195.	2.4	29
717	A systematic review investigating the relationship of electroencephalography and magnetoencephalography measurements with sensorimotor upper limb impairments after stroke. <i>Journal of Neuroscience Methods</i> , 2019, 311, 318-330.	1.3	15
718	Genetics of stroke recovery: BDNF val66met polymorphism in stroke recovery and its interaction with aging. <i>Neurobiology of Disease</i> , 2019, 126, 36-46.	2.1	45
719	Differences in structural and functional networks between young adult and aged rat brains before and after stroke lesion simulations. <i>Neurobiology of Disease</i> , 2019, 126, 23-35.	2.1	15
720	Neurofeedback Training for Cognitive and Motor Function Rehabilitation in Chronic Stroke: Two Case Reports. <i>Frontiers in Neurology</i> , 2019, 10, 800.	1.1	14
721	Eligibility Screening for an Early Upper Limb Stroke Rehabilitation Study. <i>Frontiers in Neurology</i> , 2019, 10, 683.	1.1	8
722	Lesion location impact on functional recovery of the hemiparetic upper limb. <i>PLoS ONE</i> , 2019, 14, e0219738.	1.1	25
723	Acute stroke rehabilitation for gait training with cyborg type robot Hybrid Assistive Limb: A pilot study. <i>Journal of the Neurological Sciences</i> , 2019, 404, 11-15.	0.3	29
724	First evidence of protective effects on stroke recovery and post-stroke depression induced by sirtinin-derived peptides. <i>Neuropharmacology</i> , 2019, 158, 107715.	2.0	5
725	Circular RNA <i>TLK1</i> Aggravates Neuronal Injury and Neurological Deficits after Ischemic Stroke via miR-335-3p/TIPARP. <i>Journal of Neuroscience</i> , 2019, 39, 7369-7393.	1.7	164
726	Therapeutic exercise accompanied by neuronal modulation to enhance neurotrophic factors in the brain with central nervous system disorders. <i>Physical Therapy Research</i> , 2019, 22, 38-43.	0.3	2
727	Sensorimotor rhythm modulation depends on resting-state oscillations and cortex integrity in severely paralyzed stroke patients. , 2019, , .		5
728	<p>Exercise training increases spatial memory via reducing contralateral hippocampal NMDAR subunits expression in intracerebral hemorrhage rats</p>. <i>Neuropsychiatric Disease and Treatment</i> , 2019, Volume 15, 1921-1928.	1.0	9
729	Optochemogenetic Stimulation of Transplanted iPS-NPCs Enhances Neuronal Repair and Functional Recovery after Ischemic Stroke. <i>Journal of Neuroscience</i> , 2019, 39, 6571-6594.	1.7	67
730	Tasked-Based Functional Brain Connectivity in Multisensory Control of Wrist Movement After Stroke. <i>Frontiers in Neurology</i> , 2019, 10, 609.	1.1	10
731	Acute Phase Neuronal Activity for the Prognosis of Stroke Recovery. <i>Neural Plasticity</i> , 2019, 2019, 1-10.	1.0	11
732	The potential of drug repurposing combined with reperfusion therapy in cerebral ischemic stroke: A supplementary strategy to endovascular thrombectomy. <i>Life Sciences</i> , 2019, 236, 116889.	2.0	19

#	ARTICLE	IF	CITATIONS
733	Cell Chromatography-Based Screening of the Active Components in Buyang Huanwu Decoction Promoting Axonal Regeneration. <i>BioMed Research International</i> , 2019, 2019, 1-13.	0.9	5
734	Cognition in Stroke Rehabilitation and Recovery Research: Consensus-Based Core Recommendations From the Second Stroke Recovery and Rehabilitation Roundtable. <i>Neurorehabilitation and Neural Repair</i> , 2019, 33, 943-950.	1.4	8
735	Standardized Measurement of Quality of Upper Limb Movement After Stroke: Consensus-Based Core Recommendations From the Second Stroke Recovery and Rehabilitation Roundtable. <i>Neurorehabilitation and Neural Repair</i> , 2019, 33, 951-958.	1.4	84
736	Three cooperative mechanisms required for recovery after brain damage. <i>Scientific Reports</i> , 2019, 9, 15858.	1.6	6
737	Model for prompt and effective classification of motion recovery after stroke considering muscle strength and coordination factors. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2019, 16, 130.	2.4	9
738	Basic mechanism of neuroplasticity. <i>Neuropsychiatry Neuropsychologia</i> , 2019, 14, 1-8.	0.3	1
739	Rehabilitative Training Interacts with Ischemia-Instigated Spine Dynamics to Promote a Lasting Population of New Synapses in Peri-Infarct Motor Cortex. <i>Journal of Neuroscience</i> , 2019, 39, 8471-8483.	1.7	31
740	Visualization and Quantification of Post-stroke Neural Connectivity and Neuroinflammation Using Serial Two-Photon Tomography in the Whole Mouse Brain. <i>Frontiers in Neuroscience</i> , 2019, 13, 1055.	1.4	20
741	Early treatment with minocycline following stroke in rats improves functional recovery and differentially modifies responses of peri-infarct microglia and astrocytes. <i>Journal of Neuroinflammation</i> , 2019, 16, 6.	3.1	63
742	Vagus nerve stimulation as a promising adjunctive treatment for ischemic stroke. <i>Neurochemistry International</i> , 2019, 131, 104539.	1.9	30
743	Development of an EMG-Controlled Knee Exoskeleton to Assist Home Rehabilitation in a Game Context. <i>Frontiers in Neurobotics</i> , 2019, 13, 67.	1.6	51
744	Synchronization lag in post stroke: relation to motor function and structural connectivity. <i>Network Neuroscience</i> , 2019, 3, 1121-1140.	1.4	22
745	Gait-Synchronized Rhythmic Brain Stimulation Improves Poststroke Gait Disturbance. <i>Stroke</i> , 2019, 50, 3205-3212.	1.0	22
746	Functions of subventricular zone neural precursor cells in stroke recovery. <i>Behavioural Brain Research</i> , 2019, 376, 112209.	1.2	14
747	Neurogenesis promoted by the CD200/CD200R signaling pathway following treadmill exercise enhances post-stroke functional recovery in rats. <i>Brain, Behavior, and Immunity</i> , 2019, 82, 354-371.	2.0	24
748	Standardized measurement of quality of upper limb movement after stroke: Consensus-based core recommendations from the Second Stroke Recovery and Rehabilitation Roundtable. <i>International Journal of Stroke</i> , 2019, 14, 783-791.	2.9	84
749	Cognition in stroke rehabilitation and recovery research: Consensus-based core recommendations from the second Stroke Recovery and Rehabilitation Roundtable. <i>International Journal of Stroke</i> , 2019, 14, 774-782.	2.9	52
750	Dynamic Interaction between Cortico-Brainstem Pathways during Training-Induced Recovery in Stroke Model Rats. <i>Journal of Neuroscience</i> , 2019, 39, 7306-7320.	1.7	32

#	ARTICLE	IF	CITATIONS
751	Optimizing functional outcome endpoints for stroke recovery studies. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019, 39, 2323-2342.	2.4	28
752	Current Change Rate Influences Sensorimotor Cortical Excitability During Neuromuscular Electrical Stimulation. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 152.	1.0	6
753	Increased intrinsic connectivity for structural atrophy and functional maintenance after acute ischaemic stroke. <i>European Journal of Neurology</i> , 2019, 26, 935-942.	1.7	3
754	RecoverNow: A mobile tablet-based therapy platform for early stroke rehabilitation. <i>PLoS ONE</i> , 2019, 14, e0210725.	1.1	24
755	Promoting Brain Repair and Regeneration After Stroke: a Plea for Cell-Based Therapies. <i>Current Neurology and Neuroscience Reports</i> , 2019, 19, 5.	2.0	12
756	Timing of Acupuncture during LTP-Like Plasticity Induced by Paired-Associative Stimulation. <i>Behavioural Neurology</i> , 2019, 2019, 1-10.	1.1	12
757	Putting the "Sensory" Into Sensorimotor Control: The Role of Sensorimotor Integration in Goal-Directed Hand Movements After Stroke. <i>Frontiers in Integrative Neuroscience</i> , 2019, 13, 16.	1.0	85
758	The Plasminogen Activation System Promotes Neurorepair in the Ischemic Brain. <i>Current Drug Targets</i> , 2019, 20, 953-959.	1.0	11
759	Disability in Community-Dwelling Older Adults: Exploring the Role of Stroke and Dementia. <i>Journal of Primary Care and Community Health</i> , 2019, 10, 215013271985250.	1.0	10
760	Therapeutic effects of combined cell transplantation and locomotor training in rats with brain injury. <i>Npj Regenerative Medicine</i> , 2019, 4, 13.	2.5	7
761	Errors in proprioceptive matching post-stroke are associated with impaired recruitment of parietal, supplementary motor, and temporal cortices. <i>Brain Imaging and Behavior</i> , 2019, 13, 1635-1649.	1.1	14
762	Connectomics of Morphogenetically Engineered Neurons as a Predictor of Functional Integration in the Ischemic Brain. <i>Frontiers in Neurology</i> , 2019, 10, 630.	1.1	0
763	Augmentation of spinal cord glutamatergic synaptic currents in zebrafish primary motoneurons expressing mutant human TARDBP (TDP-43). <i>Scientific Reports</i> , 2019, 9, 9122.	1.6	7
764	Home-based virtual reality training after discharge from hospital-based stroke rehabilitation: a parallel randomized feasibility trial. <i>Trials</i> , 2019, 20, 333.	0.7	32
765	Very Early Initiation Reduces Benefits of Poststroke Rehabilitation Despite Increased Corticospinal Projections. <i>Neurorehabilitation and Neural Repair</i> , 2019, 33, 538-552.	1.4	7
766	Pharmacological Enhancement of Stroke Recovery. <i>Current Neurology and Neuroscience Reports</i> , 2019, 19, 43.	2.0	16
767	Consensus Paper: Experimental Neurostimulation of the Cerebellum. <i>Cerebellum</i> , 2019, 18, 1064-1097.	1.4	120
768	Effects of autophagy on synaptic-plasticity-related protein expression in the hippocampus CA1 of a rat model of vascular dementia. <i>Neuroscience Letters</i> , 2019, 707, 134312.	1.0	20

#	ARTICLE	IF	CITATIONS
769	Nuanced effects of music interventions on rehabilitation outcomes after stroke: a systematic review. <i>Topics in Stroke Rehabilitation</i> , 2019, 26, 473-484.	1.0	6
770	Vitamin D Supplementation and Post-Stroke Rehabilitation: A Randomized, Double-Blind, Placebo-Controlled Trial. <i>Nutrients</i> , 2019, 11, 1295.	1.7	27
771	Biomaterials for Stroke Therapy. <i>Stroke</i> , 2019, 50, 2278-2284.	1.0	9
772	Finding the Intersection of Neuroplasticity, Stroke Recovery, and Learning: Scope and Contributions to Stroke Rehabilitation. <i>Neural Plasticity</i> , 2019, 2019, 1-15.	1.0	28
773	The Impact of Physical Activity Before and After Stroke on Stroke Risk and Recovery: a Narrative Review. <i>Current Neurology and Neuroscience Reports</i> , 2019, 19, 28.	2.0	61
774	Optogenetic Stimulation Enhanced Neuronal Plasticities in Motor Recovery after Ischemic Stroke. <i>Neural Plasticity</i> , 2019, 2019, 1-9.	1.0	14
775	Frontal dynamic activity as a predictor of cognitive dysfunction after pontine ischemia. <i>NeuroRehabilitation</i> , 2019, 44, 251-261.	0.5	12
776	Targeted Vagus Nerve Stimulation for Rehabilitation After Stroke. <i>Frontiers in Neuroscience</i> , 2019, 13, 280.	1.4	101
777	Cell therapy for ischemic stroke: Are differences in preclinical and clinical study design responsible for the translational loss of efficacy?. <i>Annals of Neurology</i> , 2019, 86, 5-16.	2.8	47
778	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.	0.8	44
779	Combined endogenous and exogenous disinhibition of intracortical circuits augments plasticity induction in the human motor cortex. <i>Brain Stimulation</i> , 2019, 12, 1027-1040.	0.7	3
780	Effects of hypoxic preconditioning on memory evaluated using the T-maze behavior test. <i>Animal Cells and Systems</i> , 2019, 23, 10-17.	0.8	22
781	Exposure to female estrous is beneficial for male mice against transient ischemic stroke. <i>Neurological Research</i> , 2019, 41, 536-543.	0.6	5
782	Synergistic Benefits of Combined Aerobic and Cognitive Training on Fluid Intelligence and the Role of IGF-1 in Chronic Stroke. <i>Neurorehabilitation and Neural Repair</i> , 2019, 33, 199-212.	1.4	45
783	Constraint Induced Movement Therapy as a Rehabilitative Strategy for Ischemic Stroke—Linking Neural Plasticity with Restoration of Skilled Movements. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2019, 28, 1640-1653.	0.7	12
784	Can robot-based measurements improve prediction of motor performance after robot-assisted upper-limb rehabilitation in patients with moderate-to-severe sub-acute stroke?. <i>Restorative Neurology and Neuroscience</i> , 2019, 37, 119-129.	0.4	7
785	Artery targeted photothrombosis widens the vascular penumbra, instigates peri-infarct neovascularization and models forelimb impairments. <i>Scientific Reports</i> , 2019, 9, 2323.	1.6	32
786	Robotics for Lower Limb Rehabilitation. <i>Physical Medicine and Rehabilitation Clinics of North America</i> , 2019, 30, 385-397.	0.7	42

#	ARTICLE	IF	CITATIONS
787	Dynamic Trajectory of Long-Term Cognitive Improvement Up to 10 Years in Young Community-Dwelling Stroke Survivors: A Cohort Study. <i>Frontiers in Neurology</i> , 2019, 10, 97.	1.1	18
788	The Spinal Transcriptome after Cortical Stroke: In Search of Molecular Factors Regulating Spontaneous Recovery in the Spinal Cord. <i>Journal of Neuroscience</i> , 2019, 39, 4714-4726.	1.7	26
789	The effectiveness of trunk training on trunk control, sitting and standing balance and mobility post-stroke: a systematic review and meta-analysis. <i>Clinical Rehabilitation</i> , 2019, 33, 992-1002.	1.0	83
790	Compensatory Relearning Following Stroke: Cellular and Plasticity Mechanisms in Rodents. <i>Frontiers in Neuroscience</i> , 2018, 12, 1023.	1.4	19
791	Noninvasive brain stimulation combined with other therapies improves gait speed after stroke: a systematic review and meta-analysis. <i>Topics in Stroke Rehabilitation</i> , 2019, 26, 201-213.	1.0	37
792	Dissociating nNOS (Neuronal NO Synthase)-CAPON (Carboxy-Terminal Postsynaptic Density-95/Discs) Tj ETQq1 1 0.784314 rgBT /Overl Enhanced Structural Neuroplasticity. <i>Stroke</i> , 2019, 50, 728-737.	1.0	26
793	The effect of cerebellar transcranial direct current stimulation to improve standing balance performance early post-stroke, study protocol of a randomized controlled trial. <i>International Journal of Stroke</i> , 2019, 14, 650-657.	2.9	2
794	The Influence of Primary Motor Cortex Inhibition on Upper Limb Impairment and Function in Chronic Stroke: A Multimodal Study. <i>Neurorehabilitation and Neural Repair</i> , 2019, 33, 130-140.	1.4	16
795	Delayed treatment of $\hat{I}\pm 5$ GABAA receptor inverse agonist improves functional recovery by enhancing neurogenesis after cerebral ischemia-reperfusion injury in rat MCAO model. <i>Scientific Reports</i> , 2019, 9, 2287.	1.6	17
796	Role of UCHL1 in axonal injury and functional recovery after cerebral ischemia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 4643-4650.	3.3	53
797	Progesterone treatment in rats after severe global cerebral ischemia promotes hippocampal dentate gyrus neurogenesis and functional recovery. <i>Neurological Research</i> , 2019, 41, 429-436.	0.6	13
798	The Influence of Sound-Based Interventions on Motor Behavior After Stroke: A Systematic Review. <i>Frontiers in Neurology</i> , 2019, 10, 1141.	1.1	6
799	Pharmacological Interventions and Rehabilitation Approach for Enhancing Brain Self-repair and Stroke Recovery. <i>Current Neuropharmacology</i> , 2019, 18, 51-64.	1.4	49
800	Sequential Transcriptome Changes in the Penumbra after Ischemic Stroke. <i>International Journal of Molecular Sciences</i> , 2019, 20, 6349.	1.8	16
801	EphA4 receptor regulates outwardly rectifying chloride channel in CA1 hippocampal neurons after ischemia-reperfusion. <i>NeuroReport</i> , 2019, 30, 980-984.	0.6	3
802	Rehabilitation Outcomes of Patients With Severe Disability Poststroke. <i>Archives of Physical Medicine and Rehabilitation</i> , 2019, 100, 520-529.e3.	0.5	9
803	Sleep as a model to understand neuroplasticity and recovery after stroke: Observational, perturbational and interventional approaches. <i>Journal of Neuroscience Methods</i> , 2019, 313, 37-43.	1.3	13
804	Brain state-dependent stimulation boosts functional recovery following stroke. <i>Annals of Neurology</i> , 2019, 85, 84-95.	2.8	41

#	ARTICLE	IF	CITATIONS
805	Comparison of Muscular Activity and Movement Performance in Robot-Assisted and Freely Performed Exercises. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2019, 27, 43-50.	2.7	9
806	Does depression after stroke negatively influence physical disability? A systematic review and meta-analysis of longitudinal studies. <i>Journal of Affective Disorders</i> , 2019, 247, 45-56.	2.0	64
807	Inflammation and neural repair after ischemic brain injury. <i>Neurochemistry International</i> , 2019, 130, 104316.	1.9	40
808	Characterizing Spontaneous Motor Recovery Following Cortical and Subcortical Stroke in the Rat. <i>Neurorehabilitation and Neural Repair</i> , 2019, 33, 27-37.	1.4	25
809	Effects of high- and low-frequency repetitive transcranial magnetic stimulation on motor recovery in early stroke patients: Evidence from a randomized controlled trial with clinical, neurophysiological and functional imaging assessments. <i>NeuroImage: Clinical</i> , 2019, 21, 101620.	1.4	89
810	Feasibility and effectiveness of repetitive gait training early after stroke: A systematic review and meta-analysis. <i>Journal of Rehabilitation Medicine</i> , 2019, 51, 78-88.	0.8	45
811	Behavioral tests that reveal long-term deficits after permanent focal cerebral ischemia in mouse. <i>Behavioural Brain Research</i> , 2019, 360, 69-80.	1.2	20
812	GAT3 selective substrate <scp>l</scp>-isoserine upregulates GAT3 expression and increases functional recovery after a focal ischemic stroke in mice. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019, 39, 74-88.	2.4	20
813	A peptide mimetic of tyrosine phosphatase STEP as a potential therapeutic agent for treatment of cerebral ischemic stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019, 39, 1069-1084.	2.4	7
814	Longitudinal <i>inÂvivo</i> intrinsic optical imaging of cortical blood perfusion and tissue damage in focal photothrombosis stroke model. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019, 39, 1381-1393.	2.4	35
815	Can the physical environment itself influence neurological patient activity?. <i>Disability and Rehabilitation</i> , 2019, 41, 1177-1189.	0.9	30
816	Enriched Environment Elicits Proangiogenic Mechanisms After Focal Cerebral Ischemia. <i>Translational Stroke Research</i> , 2019, 10, 150-159.	2.3	18
817	Transplantation of Directly Reprogrammed Human Neural Precursor Cells Following Stroke Promotes Synaptogenesis and Functional Recovery. <i>Translational Stroke Research</i> , 2020, 11, 93-107.	2.3	36
818	Centre of pressure displacements produced in sitting during virtual reality training in younger and older adults and patients who have had a stroke. <i>Disability and Rehabilitation: Assistive Technology</i> , 2020, 15, 924-932.	1.3	5
819	A novel proposed grading system for cerebellar arteriovenous malformations. <i>Journal of Neurosurgery</i> , 2020, 132, 1105-1115.	0.9	12
820	Thermography assessment of spastic lower limb in patients after cerebral stroke undergoing rehabilitation. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 140, 755-762.	2.0	6
821	Pediatric Stroke: Unique Implications of the Immature Brain on Injury and Recovery. <i>Pediatric Neurology</i> , 2020, 102, 3-9.	1.0	25
822	Phasic GABA signaling mediates the protective effects of cTBS against cerebral ischemia in mice. <i>Neuroscience Letters</i> , 2020, 715, 134611.	1.0	11

#	ARTICLE	IF	CITATIONS
823	Low-intensity contralesional electrical theta burst stimulation modulates ipsilesional excitability and enhances stroke recovery. <i>Experimental Neurology</i> , 2020, 323, 113071.	2.0	7
824	Post-stroke remodeling processes in animal models and humans. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 3-22.	2.4	73
825	Functional interactions in patients with hemianopia: A graph theory-based connectivity study of resting fMRI signal. <i>PLoS ONE</i> , 2020, 15, e0226816.	1.1	13
826	Electrical Stimulation in Lower Limb During Exercise to Improve Gait Speed and Functional Motor Ability 6 Months Poststroke. A Review with Meta-Analysis. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2020, 29, 104565.	0.7	7
827	Short-Chain Fatty Acids Improve Poststroke Recovery via Immunological Mechanisms. <i>Journal of Neuroscience</i> , 2020, 40, 1162-1173.	1.7	199
828	Prognostication accuracy of final destination in poststroke patients requiring transitional care. <i>Australasian Journal on Ageing</i> , 2020, 39, e194-e200.	0.4	2
829	Enhanced functional recovery by levodopa is associated with decreased levels of synaptogyrin following stroke in aged mice. <i>Brain Research Bulletin</i> , 2020, 155, 61-66.	1.4	6
830	Dynamic Lines of Collaboration. <i>Automation, Collaboration, and E-services</i> , 2020, , .	0.5	4
831	Early Mobilization of Mild-Moderate Intracerebral Hemorrhage Patients in a Stroke Center: A Randomized Controlled Trial. <i>Neurorehabilitation and Neural Repair</i> , 2020, 34, 72-81.	1.4	29
832	Damage to the structural connectome reflected in resting-state fMRI functional connectivity. <i>Network Neuroscience</i> , 2020, 4, 1197-1218.	1.4	14
833	Slow Waves Promote Sleep-Dependent Plasticity and Functional Recovery after Stroke. <i>Journal of Neuroscience</i> , 2020, 40, 8637-8651.	1.7	31
834	Therapeutic Effects of Diagonal-Transcranial Direct Current Stimulation on Functional Recovery in Acute Stroke: A Pilot Study. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2020, 29, 105107.	0.7	5
835	Hospital Presentations in Long-Term Survivors of Stroke. <i>Stroke</i> , 2020, 51, 3673-3680.	1.0	6
836	Why we should systematically assess, control and report somatosensory impairments in BCI-based motor rehabilitation after stroke studies. <i>NeuroImage: Clinical</i> , 2020, 28, 102417.	1.4	22
837	Spontaneous Neuronal Plasticity in the Contralateral Motor Cortex and Corticospinal Tract after Focal Cortical Infarction in Hypertensive Rats. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2020, 29, 105235.	0.7	4
838	Advanced non-invasive MRI of neuroplasticity in ischemic stroke: Techniques and applications. <i>Life Sciences</i> , 2020, 261, 118365.	2.0	8
839	Hindlimb motor responses to unilateral brain injury: spinal cord encoding and left-right asymmetry. <i>Brain Communications</i> , 2020, 2, fcaa055.	1.5	15
840	Video-guided exercise after stroke: a feasibility randomised controlled trial. <i>Physiotherapy Theory and Practice</i> , 2022, 38, 609-620.	0.6	5

#	ARTICLE	IF	CITATIONS
841	A Review on Treatment-Related Brain Changes in Aphasia. <i>Neurobiology of Language</i> (Cambridge, Mass), 2020, 1, 402-433.	1.7	18
842	Benchmarking length of stay for inpatient stroke rehabilitation without adversely affecting functional outcomes. <i>Journal of Rehabilitation Medicine</i> , 2020, 52, jrm00113.	0.8	3
843	BDNF rs6265 Polymorphism and Its Methylation in Patients with Stroke Undergoing Rehabilitation. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8438.	1.8	10
844	Deficits in motor and cognitive functions in an adult mouse model of hypoxia-ischemia induced stroke. <i>Scientific Reports</i> , 2020, 10, 20646.	1.6	19
845	Rehabilitation Effects of Fatigue-Controlled Treadmill Training After Stroke: A Rat Model Study. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 590013.	2.0	9
846	Cost and cost-effectiveness of early inpatient rehabilitation after stroke varies with initial disability: the Czech Republic perspective. <i>International Journal of Rehabilitation Research</i> , 2020, 43, 376-382.	0.7	13
847	Pharmacological Targeting of CSF1R Inhibits Microglial Proliferation and Aggravates the Progression of Cerebral Ischemic Pathology. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 267.	1.8	21
848	Drosophila miR-87 promotes dendrite regeneration by targeting the transcriptional repressor Tramtrack69. <i>PLoS Genetics</i> , 2020, 16, e1008942.	1.5	19
849	Spontaneous Recovery of Executive Function, Attention, and Processing Speed in Stroke Patients in Colombia. <i>PM and R</i> , 2021, 13, 674-682.	0.9	2
850	Reperfusion plus Selective Intra-arterial Cooling (SI-AC) Improve Recovery in a Nonhuman Primate Model of Stroke. <i>Neurotherapeutics</i> , 2020, 17, 1931-1939.	2.1	6
851	Contralesional White Matter Alterations in Patients After Hemispherotomy. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 262.	1.0	4
852	Neuronal Network Topology Indicates Distinct Recovery Processes after Stroke. <i>Cerebral Cortex</i> , 2020, 30, 6363-6375.	1.6	20
853	There is No test-retest reliability of brain activation induced by robotic passive hand movement: A functional NIRS study. <i>Brain and Behavior</i> , 2020, 10, e01788.	1.0	5
854	Cholinergic upregulation by optogenetic stimulation of nucleus basalis after photothrombotic stroke in forelimb somatosensory cortex improves endpoint and motor but not sensory control of skilled reaching in mice. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 1608-1622.	2.4	7
855	Sensorimotor cortex beta oscillations reflect motor skill learning ability after stroke. <i>Brain Communications</i> , 2020, 2, fcaa161.	1.5	28
856	Vojta therapy improves postural control in very early stroke rehabilitation: a randomised controlled pilot trial. <i>Neurological Research and Practice</i> , 2020, 2, 23.	1.0	23
857	Feasibility and acceptability of the multicontext approach for individuals with acquired brain injury in acute inpatient rehabilitation: A single case series. <i>Neuropsychological Rehabilitation</i> , 2022, 32, 211-230.	1.0	11
858	Delayed (21 Days) Post Stroke Treatment With RPh201, a Botany-Derived Compound, Improves Neurological Functional Recovery in a Rat Model of Embolic Stroke. <i>Frontiers in Neuroscience</i> , 2020, 14, 813.	1.4	0

#	ARTICLE	IF	CITATIONS
859	The Efficiency, Efficacy, and Retention of Task Practice in Chronic Stroke. <i>Neurorehabilitation and Neural Repair</i> , 2020, 34, 881-890.	1.4	17
860	Evaluation of a gamified upper-arm bimanual trainer for stroke patients - A healthy cohort study. , 2020, , .		1
861	Synaptic Plasticity After Focal Cerebral Ischemia Was Attenuated by Gap26 but Enhanced by GAP-134. <i>Frontiers in Neurology</i> , 2020, 11, 888.	1.1	11
862	Inhibition of HDAC increases BDNF expression and promotes neuronal rewiring and functional recovery after brain injury. <i>Cell Death and Disease</i> , 2020, 11, 655.	2.7	30
863	Cortical Microinfarcts Associated With Worse Outcomes in Patients With Acute Ischemic Stroke Receiving Endovascular Treatment. <i>Stroke</i> , 2020, 51, 2742-2751.	1.0	16
864	Hand Focused Upper Extremity Rehabilitation in the Subacute Phase Post-stroke Using Interactive Virtual Environments. <i>Frontiers in Neurology</i> , 2020, 11, 573642.	1.1	2
865	Effects of Neurostimulation on Poststroke Dysphagia: A Synthesis of Current Evidence From Randomized Controlled Trials. <i>Neuromodulation</i> , 2021, 24, 1388-1401.	0.4	44
866	Upregulating excitability of corticospinal pathways in stroke patients using TMS neurofeedback; A pilot study. <i>NeuroImage: Clinical</i> , 2020, 28, 102465.	1.4	9
867	Exercise enhances motor skill learning by neurotransmitter switching in the adult midbrain. <i>Nature Communications</i> , 2020, 11, 2195.	5.8	34
868	Shuxuening injection facilitates neurofunctional recovery via down-regulation of G-CSF-mediated granulocyte adhesion and diapedesis pathway in a subacute stroke mouse model. <i>Biomedicine and Pharmacotherapy</i> , 2020, 127, 110213.	2.5	15
869	Light Up the Brain: The Application of Optogenetics in Cell-Type Specific Dissection of Mouse Brain Circuits. <i>Frontiers in Neural Circuits</i> , 2020, 14, 18.	1.4	39
870	Is Recovery of Somatosensory Impairment Conditional for Upper-Limb Motor Recovery Early After Stroke?. <i>Neurorehabilitation and Neural Repair</i> , 2020, 34, 403-416.	1.4	36
871	The CD200/CD200R signaling pathway contributes to spontaneous functional recovery by enhancing synaptic plasticity after stroke. <i>Journal of Neuroinflammation</i> , 2020, 17, 171.	3.1	38
872	Stroke Rehabilitation and Cardiac Rehabilitation: Siblings or Strangers?. <i>CJC Open</i> , 2020, 2, 189-191.	0.7	1
873	Motor improvement estimation and task adaptation for personalized robot-aided therapy: a feasibility study. <i>BioMedical Engineering OnLine</i> , 2020, 19, 33.	1.3	14
874	Early Exercise after Intracerebral Hemorrhage Inhibits Inflammation and Promotes Neuroprotection in the Sensorimotor Cortex in Rats. <i>Neuroscience</i> , 2020, 438, 86-99.	1.1	11
875	HDAC2 (Histone deacetylase 2): A critical factor in environmental enrichmentâ€mediated stroke recovery. <i>Journal of Neurochemistry</i> , 2020, 155, 679-696.	2.1	16
876	Recovery of Sensorimotor Functional Outcomes at Discharge from In-Patient Rehabilitation in Three Stroke Units in the Province of Quebec. <i>Physiotherapy Canada Physiotherapie Canada</i> , 2020, 72, 158-168.	0.3	2

#	ARTICLE	IF	CITATIONS
877	Transcranial Direct Current Stimulation to Facilitate Lower Limb Recovery Following Stroke: Current Evidence and Future Directions. <i>Brain Sciences</i> , 2020, 10, 310.	1.1	14
878	iTRAQ-based proteomic analysis after mesenchymal stem cell line transplantation for ischemic stroke. <i>Brain Research</i> , 2020, 1742, 146900.	1.1	5
879	PS1 FAD mutants decrease ephrinB2-regulated angiogenic functions, ischemia-induced brain neovascularization and neuronal survival. <i>Molecular Psychiatry</i> , 2021, 26, 1996-2012.	4.1	4
880	The Role of Reduced Polyamine Synthesis in Ischemic Stroke. <i>Neurochemical Journal</i> , 2020, 14, 243-250.	0.2	2
881	<sc>GLAST</sc> CreER ^{T2} mediated deletion of <sc>GDNF</sc> increases brain damage and exacerbates long-term stroke outcomes after focal ischemic stroke in mouse model. <i>Glia</i> , 2020, 68, 2395-2414.	2.5	17
882	The medical avatar and its role in neurorehabilitation and neuroplasticity: A review. <i>NeuroRehabilitation</i> , 2020, 46, 467-482.	0.5	4
883	An exploration of aphasia therapy dosage in the first six months of stroke recovery. <i>Neuropsychological Rehabilitation</i> , 2020, 31, 1-35.	1.0	14
884	Plasticity and Spontaneous Activity Pulses in Disused Human Brain Circuits. <i>Neuron</i> , 2020, 107, 580-589.e6.	3.8	114
885	Effects of bone marrow mononuclear cells on induction of axonal sprouting in cortico-cortical and cortico-striatal pathways in an animal model of cortical ablation. <i>BMC Research Notes</i> , 2020, 13, 272.	0.6	0
886	Neurochemical balance and inhibition at the subacute stage after stroke. <i>Journal of Neurophysiology</i> , 2020, 123, 1775-1790.	0.9	16
887	Brain-computer interfaces in neurologic rehabilitation practice. <i>Handbook of Clinical Neurology</i> / Edited By PJ Vinken and G W Bruyn, 2020, 168, 101-116.	1.0	43
888	Selective intra-arterial brain cooling improves long-term outcomes in a non-human primate model of embolic stroke: Efficacy depending on reperfusion status. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 1415-1426.	2.4	28
889	Limited capacity for ipsilateral secondary motor areas to support hand function post-stroke. <i>Journal of Physiology</i> , 2020, 598, 2153-2167.	1.3	16
890	Enriched, Task-Specific Therapy in the Chronic Phase After Stroke: An Exploratory Study. <i>Journal of Neurologic Physical Therapy</i> , 2020, 44, 145-155.	0.7	15
891	Predicting Recovery and Outcome after Pediatric Stroke: Results from the International Pediatric Stroke Study. <i>Annals of Neurology</i> , 2020, 87, 840-852.	2.8	49
892	Experiences of Occupational Performance in Survivors of Stroke Attending Peer Support Groups. <i>Canadian Journal of Occupational Therapy</i> , 2020, 87, 173-181.	0.8	13
893	Early mobilization in neurocritical care patients. <i>Current Opinion in Critical Care</i> , 2020, 26, 147-154.	1.6	15
894	Patterns of motor recovery and structural neuroplasticity after basal ganglia infarcts. <i>Neurology</i> , 2020, 95, e1174-e1187.	1.5	22

#	ARTICLE	IF	CITATIONS
895	Cognitive Reserve as an Emerging Concept in Stroke Recovery. <i>Neurorehabilitation and Neural Repair</i> , 2020, 34, 187-199.	1.4	33
896	Layer-specific sensory processing impairment in the primary somatosensory cortex after motor cortex infarction. <i>Scientific Reports</i> , 2020, 10, 3771.	1.6	12
897	Synergistic Effects of Scalp Acupuncture and Repetitive Transcranial Magnetic Stimulation on Cerebral Infarction: A Randomized Controlled Pilot Trial. <i>Brain Sciences</i> , 2020, 10, 87.	1.1	7
898	Growth Hormone Promotes Motor Function after Experimental Stroke and Enhances Recovery-Promoting Mechanisms within the Peri-Infarct Area. <i>International Journal of Molecular Sciences</i> , 2020, 21, 606.	1.8	24
899	Translating concepts of neural repair after stroke: Structural and functional targets for recovery. <i>Restorative Neurology and Neuroscience</i> , 2020, 38, 67-92.	0.4	44
900	Cocaine- and amphetamine-regulated transcript protects synaptic structures in neurons after ischemic cerebral injury. <i>Neuropeptides</i> , 2020, 81, 102023.	0.9	11
901	Brain Functional Networks Study of Subacute Stroke Patients With Upper Limb Dysfunction After Comprehensive Rehabilitation Including BCI Training. <i>Frontiers in Neurology</i> , 2019, 10, 1419.	1.1	40
902	Exercise Plus Pharmacological Neuromodulation of Synaptic Inhibition Enhance Motor Function Recovery After Ischemic Stroke. <i>Neuroscience</i> , 2020, 430, 12-24.	1.1	7
903	A Practical Guide to Using CV Analysis for Determining the Locus of Synaptic Plasticity. <i>Frontiers in Synaptic Neuroscience</i> , 2020, 12, 11.	1.3	23
904	Mechanisms of action of acute and subacute sphenopalatine ganglion stimulation for ischemic stroke. <i>International Journal of Stroke</i> , 2020, 15, 839-848.	2.9	12
905	Is Resting-State EEG Longitudinally Associated With Recovery of Clinical Neurological Impairments Early Poststroke? A Prospective Cohort Study. <i>Neurorehabilitation and Neural Repair</i> , 2020, 34, 389-402.	1.4	22
906	Temporal expression profiling of DAMPs-related genes revealed the biphasic post-ischemic inflammation in the experimental stroke model. <i>Molecular Brain</i> , 2020, 13, 57.	1.3	18
907	Lesion Size- and Location-Dependent Recruitment of Contralateral Thalamus and Motor Cortex Facilitates Recovery after Stroke in Mice. <i>Translational Stroke Research</i> , 2021, 12, 87-97.	2.3	22
908	Effects of exercise and pharmacological inhibition of histone deacetylases (HDACs) on epigenetic regulations and gene expressions crucial for neuronal plasticity in the motor cortex. <i>Brain Research</i> , 2021, 1751, 147191.	1.1	8
909	Physical activity after ischemic stroke and its association with adverse outcomes: A nationwide population-based cohort study. <i>Topics in Stroke Rehabilitation</i> , 2021, 28, 170-180.	1.0	13
910	Repetitive injury and absence of monocytes promote astrocyte self-renewal and neurological recovery. <i>Glia</i> , 2021, 69, 165-181.	2.5	9
911	Probing rapid network reorganization of motor and language functions via neuromodulation and neuroimaging. <i>NeuroImage</i> , 2021, 224, 117449.	2.1	33
912	Effects of repetitive transcranial magnetic stimulation combined with transcranial direct current stimulation on motor function and cortex excitability in subacute stroke patients: A randomized controlled trial. <i>Clinical Rehabilitation</i> , 2021, 35, 718-727.	1.0	19

#	ARTICLE	IF	CITATIONS
913	Core Stability Exercises in Addition to Usual Care Physiotherapy Improve Stability and Balance After Stroke: A Systematic Review and Meta-analysis. Archives of Physical Medicine and Rehabilitation, 2021, 102, 762-775.	0.5	13
914	Neuroplasticity-driven timing modulations revealed by ultrafast functional magnetic resonance imaging. NeuroImage, 2021, 225, 117446.	2.1	16
915	Stroke core revealed by tissue scattering using spatial frequency domain imaging. NeuroImage: Clinical, 2021, 29, 102539.	1.4	7
916	Neuronal protein-tyrosine phosphatase 1B hinders sensory-motor functional recovery and causes affective disorders in two different focal ischemic stroke models. Neural Regeneration Research, 2021, 16, 129.	1.6	6
917	Environmental enrichment implies GAT-1 as a potential therapeutic target for stroke recovery. Theranostics, 2021, 11, 3760-3780.	4.6	10
918	A BCI-Based Vibrotactile Neurofeedback Training Improves Motor Cortical Excitability During Motor Imagery. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2021, 29, 1583-1592.	2.7	22
919	From adults to pediatrics: A review noninvasive brain stimulation (NIBS) to facilitate recovery from brain injury. Progress in Brain Research, 2021, 264, 287-322.	0.9	9
920	Towards Strong Inference in Research on Embodiment – Possibilities and Limitations of Causal Paradigms. Journal of Cognition, 2021, 4, 5.	1.0	20
921	Effect of Tetramethylpyrazine on Neuroplasticity after Transient Focal Cerebral Ischemia Reperfusion in Rats. Evidence-based Complementary and Alternative Medicine, 2021, 2021, 1-10.	0.5	10
922	Robotic Assessment of Upper Limb Function in a Nonhuman Primate Model of Chronic Stroke. Translational Stroke Research, 2021, 12, 569-580.	2.3	2
923	Delayed Treatment with Human Dental Pulp Stem Cells Accelerates Functional Recovery and Modifies Responses of Peri-Infarct Astrocytes Following Photothrombotic Stroke in Rats. Cell Transplantation, 2021, 30, 096368972098443.	1.2	5
924	Safety, Feasibility, and Acceptability of a New Virtual Rehabilitation Platform: A Supervised Pilot Study. Rehabilitation Process and Outcome, 2021, 10, 117957272110332.	0.8	6
925	Delayed atomoxetine or fluoxetine treatment coupled with limited voluntary running promotes motor recovery in mice after ischemic stroke. Neural Regeneration Research, 2021, 16, 1244.	1.6	16
926	Scrap and Build for Functional Neural Circuits: Spatiotemporal Regulation of Dendrite Degeneration and Regeneration in Neural Development and Disease. Frontiers in Cellular Neuroscience, 2020, 14, 613320.	1.8	11
927	DESIGN, DYNAMIC MODELING AND CONTROL OF WEARABLE FINGER ORTHOSIS. Journal of Mechanics in Medicine and Biology, 2021, 21, 2150006.	0.3	1
928	Dynamic Structural and Astrocyte Reorganizations Following Motor Stroke. Medical Science Monitor, 2021, 27, e929092.	0.5	9
929	Longitudinal fixel-based analysis reveals restoration of white matter alterations following balance training in young brain-injured patients. NeuroImage: Clinical, 2021, 30, 102621.	1.4	12
930	Structural integrity and remodeling underlying functional recovery after stroke. Neural Regeneration Research, 2021, 16, 1423.	1.6	3

#	ARTICLE	IF	CITATIONS
931	Double viral vector technology for selective manipulation of neural pathways with higher level of efficiency and safety. <i>Gene Therapy</i> , 2021, 28, 339-350.	2.3	10
932	Developmental synaptic regulator, TWEAK/Fn14 signaling, is a determinant of synaptic function in models of stroke and neurodegeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, e2001679118.	3.3	17
933	Study of Neuroprotection by a Combination of the Biological Antioxidant (Eucalyptus Extract) and the Antihypertensive Drug Candesartan against Chronic Cerebral Ischemia in Rats. <i>Molecules</i> , 2021, 26, 839.	1.7	8
935	Neuroprotective Treatment of Postanoxic Encephalopathy: A Review of Clinical Evidence. <i>Frontiers in Neurology</i> , 2021, 12, 614698.	1.1	9
936	Glial Cell Line-Derived Neurotrophic Factor and Focal Ischemic Stroke. <i>Neurochemical Research</i> , 2021, 46, 2638-2650.	1.6	10
937	Out of our skull, in our skin: the Microbiota-Gut-Brain axis and the Extended Cognition Thesis. <i>Biology and Philosophy</i> , 2021, 36, 1.	0.7	13
938	Urokinase-type plasminogen activator promotes N-cadherin-mediated synaptic recovery in the ischemic brain. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 2381-2394.	2.4	4
939	An fMRI, DTI and Neurophysiological Examination of Atypical Organization of Motor Cortex in Ipsilesional Hemisphere Following Post-Stroke Recovery. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2021, 30, 105593.	0.7	5
940	Circumventing neural damage in a <i>C.Âlegans</i> chemosensory circuit using genetically engineered synapses. <i>Cell Systems</i> , 2021, 12, 263-271.e4.	2.9	4
941	Periinfarct rewiring supports recovery after primary motor cortex stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 2174-2184.	2.4	7
942	Targeting GABAC Receptors Improves Post-Stroke Motor Recovery. <i>Brain Sciences</i> , 2021, 11, 315.	1.1	8
943	Dexmedetomidine provides protection to neurons against OGD/R-induced oxidative stress and neuronal apoptosis. <i>Toxicology Mechanisms and Methods</i> , 2021, 31, 374-382.	1.3	7
944	Biomechanical Analysis in Five Bar Linkage Prototype Machine of Gait Training and Rehabilitation by IMU Sensor and Electromyography. <i>Sensors</i> , 2021, 21, 1726.	2.1	6
945	A computational framework for optimal control of a self-adjustive neural system with activity-dependent and homeostatic plasticity. <i>NeuroImage</i> , 2021, 230, 117805.	2.1	2
946	A Computational Framework for Controlling the Self-Restorative Brain Based on the Free Energy and Degeneracy Principles. <i>Frontiers in Computational Neuroscience</i> , 2021, 15, 590019.	1.2	3
947	Improved Functional Outcome After Peripheral Nerve Stimulation of the Impaired Forelimb Post-stroke. <i>Frontiers in Neurology</i> , 2021, 12, 610434.	1.1	5
948	Effects of Transcranial Direct Current Stimulation Combined With Neuromuscular Electrical Stimulation on Upper Extremity Motor Function in Patients With Stroke. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2022, 101, 145-151.	0.7	4
949	Effects of passive and active training modes of upper-limb rehabilitation robot on cortical activation: a functional near-infrared spectroscopy study. <i>NeuroReport</i> , 2021, 32, 479-488.	0.6	12

#	ARTICLE	IF	CITATIONS
950	An Exercise Mimetic Approach to Reduce Poststroke Deconditioning and Enhance Stroke Recovery. <i>Neurorehabilitation and Neural Repair</i> , 2021, 35, 471-485.	1.4	4
951	Central activation deficits contribute to post stroke lingual weakness in a rat model. <i>Journal of Applied Physiology</i> , 2021, 130, 964-975.	1.2	4
952	The Cytoskeletal Elements MAP2 and NF-L Show Substantial Alterations in Different Stroke Models While Elevated Serum Levels Highlight Especially MAP2 as a Sensitive Biomarker in Stroke Patients. <i>Molecular Neurobiology</i> , 2021, 58, 4051-4069.	1.9	21
953	Influence of the Passive Stabilization of the Trunk and Upper Limb on Selected Parameters of the Hand Motor Coordination, Grip Strength and Muscle Tension, in Post-Stroke Patients. <i>Journal of Clinical Medicine</i> , 2021, 10, 2402.	1.0	8
954	Clinical Use of Surface Electromyography to Track Acute Upper Extremity Muscle Recovery after Stroke: A Descriptive Case Study of a Single Patient. <i>Applied System Innovation</i> , 2021, 4, 32.	2.7	3
955	Repetitive Transcranial Magnetic Stimulation on the Affected Hemisphere Enhances Hand Functional Recovery in Subacute Adult Stroke Patients: A Randomized Trial. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 636184.	1.7	18
957	Zebrafish as a Model for In-Depth Mechanistic Study for Stroke. <i>Translational Stroke Research</i> , 2021, 12, 695-710.	2.3	7
958	Delayed Exercise-induced Upregulation of Angiogenic Proteins and Recovery of Motor Function after Photothrombotic Stroke in Mice. <i>Neuroscience</i> , 2021, 461, 57-71.	1.1	12
959	Structural alterations in cortical and thalamocortical white matter tracts after recovery from prefrontal cortex lesions in macaques. <i>NeuroImage</i> , 2021, 232, 117919.	2.1	2
961	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
962	Epigenetics Mechanisms in Ischemic Stroke: A Promising Avenue?. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2021, 30, 105690.	0.7	8
964	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.	2.4	25
965	Vascular Sema3E-Plexin-D1 Signaling Reactivation Promotes Post-stroke Recovery through VEGF Downregulation in Mice. <i>Translational Stroke Research</i> , 2022, 13, 142-159.	2.3	13
966	<i>Hydra vulgaris</i> shows stable responses to thermal stimulation despite large changes in the number of neurons. <i>iScience</i> , 2021, 24, 102490.	1.9	9
967	Barrel cortex plasticity after photothrombotic stroke involves potentiating responses of pre-existing circuits but not functional remapping to new circuits. <i>Nature Communications</i> , 2021, 12, 3972.	5.8	17
969	Recent advances in the role of excitation-inhibition balance in motor recovery post-stroke. <i>Faculty Reviews</i> , 2021, 10, 58.	1.7	12
970	Clarifying the effects of diabetes on the cerebral circulation: Implications for stroke recovery and beyond. <i>Brain Research Bulletin</i> , 2021, 171, 67-74.	1.4	5
971	Prognostic Structural Neural Markers of MRI in Response to Mechanical Thrombectomy for Basilar Artery Occlusion. <i>Frontiers in Neurology</i> , 2021, 12, 593914.	1.1	1

#	ARTICLE	IF	CITATIONS
972	Vocal Music Listening Enhances Poststroke Language Network Reorganization. <i>ENeuro</i> , 2021, 8, ENEURO.0158-21.2021.	0.9	18
973	Proteomic Characterization of the Dynamics of Ischemic Stroke in Mice. <i>Journal of Proteome Research</i> , 2021, 20, 3689-3700.	1.8	9
974	Quantitative and Correlational Analysis of Brain and Spleen Immune Cellular Responses Following Cerebral Ischemia. <i>Frontiers in Immunology</i> , 2021, 12, 617032.	2.2	6
975	Language networks in aphasia and health: A 1000 participant activation likelihood estimation meta-analysis. <i>NeuroImage</i> , 2021, 233, 117960.	2.1	32
976	An Enriched Environment Leads to Increased Synaptic Plasticity-Associated miRNA Levels after Experimental Subarachnoid Hemorrhage. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2021, 30, 105766.	0.7	3
977	Early-Onset Depression in Stroke Patients: Effects on Unfavorable Outcome 5 Years Post-stroke. <i>Frontiers in Psychiatry</i> , 2021, 12, 556981.	1.3	6
978	Cerebrolysin Combined with Rehabilitation Enhances Motor Recovery and Prevents Neural Network Degeneration in Ischemic Stroke Patients with Severe Motor Deficits. <i>Journal of Personalized Medicine</i> , 2021, 11, 545.	1.1	11
979	Cost analysis of early rehabilitation after stroke in comprehensive cerebrovascular centres in the Czech Republic. <i>Central European Journal of Public Health</i> , 2021, 29, 153-158.	0.4	1
980	Bibliometric Review to Explore Emerging High-Intensity Interval Training in Health Promotion: A New Century Picture. <i>Frontiers in Public Health</i> , 2021, 9, 697633.	1.3	51
981	Evaluation of rest-activity cycles in patients with severe acquired brain injury: an observational study. <i>Brain Injury</i> , 2021, 35, 1086-1094.	0.6	0
982	Cellular-resolution monitoring of ischemic stroke pathologies in the rat cortex. <i>Biomedical Optics Express</i> , 2021, 12, 4901.	1.5	7
983	Differential effects of the cell cycle inhibitor, olomoucine, on functional recovery and on responses of peri-infarct microglia and astrocytes following photothrombotic stroke in rats. <i>Journal of Neuroinflammation</i> , 2021, 18, 168.	3.1	2
984	Relation between rich-club organization versus brain functions and functional recovery after acute ischemic stroke. <i>Brain Research</i> , 2021, 1763, 147441.	1.1	4
985	Subthreshold electrical stimulation as a low power electrical treatment for stroke rehabilitation. <i>Scientific Reports</i> , 2021, 11, 14048.	1.6	4
986	The Gliopeptide ODN, a Ligand for the Benzodiazepine Site of GABA _A Receptors, Boosts Functional Recovery after Stroke. <i>Journal of Neuroscience</i> , 2021, 41, 7148-7159.	1.7	6
987	Prolonged deficit of low gamma oscillations in the peri-infarct cortex of mice after stroke. <i>Experimental Neurology</i> , 2021, 341, 113696.	2.0	8
988	Corticospinal Tract Microstructure Predicts Distal Arm Motor Improvements in Chronic Stroke. <i>Journal of Neurologic Physical Therapy</i> , 2021, 45, 273-281.	0.7	8
989	Brain Repair by Cell Replacement via In Situ Neuronal Reprogramming. <i>Annual Review of Genetics</i> , 2021, 55, 45-69.	3.2	8

#	ARTICLE	IF	CITATIONS
990	Cannabidiol Confers Neuroprotection in Rats in a Model of Transient Global Cerebral Ischemia: Impact of Hippocampal Synaptic Neuroplasticity. <i>Molecular Neurobiology</i> , 2021, 58, 5338-5355.	1.9	12
991	Not All Lesioned Tissue Is Equal: Identifying Pericavitational Areas in Chronic Stroke With Tissue Integrity Gradation via T2w T1w Ratio. <i>Frontiers in Neuroscience</i> , 2021, 15, 665707.	1.4	1
992	Brain-wide neural dynamics of poststroke recovery induced by optogenetic stimulation. <i>Science Advances</i> , 2021, 7, .	4.7	8
993	Neuritin improves the neurological functional recovery after experimental intracerebral hemorrhage in mice. <i>Neurobiology of Disease</i> , 2021, 156, 105407.	2.1	3
996	New Insights Into the Roles of Microglial Regulation in Brain Plasticity-Dependent Stroke Recovery. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 727899.	1.8	32
997	Non-invasive electrical brain stimulation for vision restoration after stroke: An exploratory randomized trial (REVIS). <i>Restorative Neurology and Neuroscience</i> , 2021, 39, 221-235.	0.4	10
998	Effects of Virtual Reality Intervention on Neural Plasticity in Stroke Rehabilitation: A Systematic Review. <i>Archives of Physical Medicine and Rehabilitation</i> , 2022, 103, 523-541.	0.5	42
1000	Neuroplasticity of Acupuncture for Stroke: An Evidence-Based Review of MRI. <i>Neural Plasticity</i> , 2021, 2021, 1-14.	1.0	32
1001	Effect of Anti-inflammatory Treatment with AMD3100 and CX3CR1 Deficiency on GABAA Receptor Subunit and Expression of Glutamate Decarboxylase Isoforms After Stroke. <i>Molecular Neurobiology</i> , 2021, 58, 5876-5889.	1.9	3
1003	Acquired Brain Injury in Adults: A Review of Pathophysiology, Recovery, and Rehabilitation. <i>Perspectives of the ASHA Special Interest Groups</i> , 2021, 6, 714-727.	0.4	6
1004	Adult Neurogenesis and Stroke: A Tale of Two Neurogenic Niches. <i>Frontiers in Neuroscience</i> , 2021, 15, 700297.	1.4	30
1005	Auditory Comprehension Deficits in Post-stroke Aphasia: Neurologic and Demographic Correlates of Outcome and Recovery. <i>Frontiers in Neurology</i> , 2021, 12, 680248.	1.1	8
1006	Cerebral Damage after Stroke: The Role of Neuroplasticity as Key for Recovery. , 0, , .		3
1007	Utilization of ADL performance tests to predict expected functional status in patients after stroke. <i>Kontakt</i> , 2021, 23, 162-169.	0.1	0
1008	Circular RNAs in cardiovascular diseases. , 2022, 232, 107991.		14
1009	Ipsilateral BDNF mRNA expression in the motor cortex positively correlates with motor function of the affected forelimb after intracerebral hemorrhage. <i>Brain Research</i> , 2021, 1767, 147536.	1.1	7
1010	Cyclosporine A Protects Retinal Explants against Hypoxia. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10196.	1.8	7
1011	Melatonin supplementation in the subacute phase after ischemia alleviates postischemic sleep disturbances in rats. <i>Brain and Behavior</i> , 2021, 11, e2366.	1.0	6

#	ARTICLE	IF	CITATIONS
1012	Altered Functional Networks of Alpha and Low-Beta Bands During Upper Limb Movement and Association with Motor Impairment in Chronic Stroke. <i>Brain Connectivity</i> , 2023, 13, 487-497.	0.8	8
1013	From competition to cooperation: Visual neglect across the hemispheres. <i>Revue Neurologique</i> , 2021, 177, 1104-1111.	0.6	15
1014	Remote Corticospinal Tract Degeneration After Cortical Stroke in Rats May Not Preclude Spontaneous Sensorimotor Recovery. <i>Neurorehabilitation and Neural Repair</i> , 2021, 35, 1010-1019.	1.4	2
1015	Factors associated with balance impairments amongst stroke survivors in northern Benin: A cross-sectional study. <i>South African Journal of Physiotherapy</i> , 2021, 77, 1559.	0.3	5
1016	Force Decoding of Caudal Forelimb Area and Rostral Forelimb Area in Chronic Stroke Rats. <i>IEEE Transactions on Biomedical Engineering</i> , 2021, 68, 3078-3086.	2.5	3
1017	Task-relevant and task-irrelevant variability causally shape error-based motor learning. <i>Neural Networks</i> , 2021, 142, 583-596.	3.3	9
1018	The gut microbiota modulates brain network connectivity under physiological conditions and after acute brain ischemia. <i>IScience</i> , 2021, 24, 103095.	1.9	12
1019	Brain plasticity and vagus nerve stimulation. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2021, 236, 102876.	1.4	8
1020	The History of Human Neuropsychology. , 2022, , 14-39.		2
1021	Motor Recovery in Stroke Rehabilitation Supported by Robot-Assisted Therapy. <i>Advances in Medical Technologies and Clinical Practice Book Series</i> , 2022, , 304-321.	0.3	1
1022	Molecular aspects of regeneration and neuroprotection in neurotraumatic diseases. , 2021, , 181-224.		0
1023	Impact of rehabilitation start time on functional outcomes after stroke. <i>Journal of Rehabilitation Medicine</i> , 2021, 53, jrm00145.	0.8	6
1024	Effects of coupling inhibitory and facilitatory repetitive transcranial magnetic stimulation on motor recovery in patients following acute cerebral infarction. <i>NeuroRehabilitation</i> , 2021, 48, 83-96.	0.5	16
1025	Neurobiology of Stroke Recovery. , 2021, , 1-13.		3
1026	Time Window for Ischemic Stroke First Mobilization Effectiveness: Protocol for an Investigator-Initiated Prospective Multicenter Randomized 3-Arm Clinical Trial. <i>Physical Therapy</i> , 2021, 101, .	1.1	2
1027	Time Course of Homeostatic Structural Plasticity in Response to Optogenetic Stimulation in Mouse Anterior Cingulate Cortex. <i>Cerebral Cortex</i> , 2022, 32, 1574-1592.	1.6	8
1028	Very early versus delayed mobilisation after stroke. <i>The Cochrane Library</i> , 2018, 2018, CD006187.	1.5	48
1030	Single-Trial Detection of the Event-Related Desynchronization to Locate with Temporal Precision the Onset of Voluntary Movements in Stroke Patients. <i>IFMBE Proceedings</i> , 2014, , 1651-1654.	0.2	3

#	ARTICLE	IF	CITATIONS
1032	Gait Orthosis Lokomat Combined with Functional Electrical Stimulation for Foot Drop Correction: A Feasibility Study. <i>Biosystems and Biorobotics</i> , 2014, , 751-757.	0.2	6
1033	Resonance: An Interactive Tabletop Artwork for Co-located Group Rehabilitation and Play. <i>Lecture Notes in Computer Science</i> , 2015, , 420-431.	1.0	16
1034	Integrating Molecular, Cellular, and Systems Approaches to Repairing the Brain After Stroke. <i>Springer Series in Translational Stroke Research</i> , 2018, , 365-382.	0.1	1
1035	Modulation of Post-Stroke Plasticity and Regeneration by Stem Cell Therapy and Exogenic Factors. <i>Springer Series in Translational Stroke Research</i> , 2018, , 129-152.	0.1	4
1036	Influence of Isoflurane on Neuronal Death and Outcome in a Rat Model of Traumatic Brain Injury. <i>Acta Neurochirurgica Supplementum</i> , 2012, 114, 383-386.	0.5	13
1037	Cell Therapy and Structural Plasticity Following Cerebral Ischemia. , 2013, , 3-14.		1
1038	Sleep and Stroke. , 2017, , 903-915.e6.		4
1039	Cerebrovascular Disease in Children. , 2012, , 1395-1436.		1
1040	Deficiency of anti-inflammatory cytokine IL-4 leads to neural hyperexcitability and aggravates cerebral ischemiaâ€“reperfusion injury. <i>Acta Pharmaceutica Sinica B</i> , 2020, 10, 1634-1645.	5.7	39
1041	Nanoelectronics enabled chronic multimodal neural platform in a mouse ischemic model. <i>Journal of Neuroscience Methods</i> , 2018, 295, 68-76.	1.3	19
1042	Epothilones Improve Axonal Growth and Motor Outcomes after Stroke in the Adult Mammalian CNS. <i>Cell Reports Medicine</i> , 2020, 1, 100159.	3.3	14
1043	A Taxonomy of Brainâ€“Behavior Relationships After Stroke. <i>Journal of Speech, Language, and Hearing Research</i> , 2019, 62, 3907-3922.	0.7	30
1044	Rehabilitating the neurological patient in the ICU: what is important?. <i>Current Opinion in Critical Care</i> , 2021, 27, 120-130.	1.6	6
1045	Novel synaptic plasticity enhancer drug to augment functional recovery with rehabilitation. <i>Current Opinion in Neurology</i> , 2019, 32, 822-827.	1.8	10
1053	Extracellular Vesicleâ€“Mediated Delivery of Circular RNA SCMH1 Promotes Functional Recovery in Rodent and Nonhuman Primate Ischemic Stroke Models. <i>Circulation</i> , 2020, 142, 556-574.	1.6	198
1054	Functional strengthening through synaptic scaling upon connectivity disruption in neuronal cultures. <i>Network Neuroscience</i> , 2020, 4, 1160-1180.	1.4	5
1055	Mild Sensory Stimulation Completely Protects the Adult Rodent Cortex from Ischemic Stroke. <i>PLoS ONE</i> , 2010, 5, e11270.	1.1	63
1056	Reestablishing Neuronal Networks in the Aged Brain by Stem Cell Factor and Granulocyte-Colony Stimulating Factor in a Mouse Model of Chronic Stroke. <i>PLoS ONE</i> , 2013, 8, e64684.	1.1	32

#	ARTICLE	IF	CITATIONS
1057	Mobilization of Endogenous Bone Marrow Derived Endothelial Progenitor Cells and Therapeutic Potential of Parathyroid Hormone after Ischemic Stroke in Mice. PLoS ONE, 2014, 9, e87284.	1.1	35
1058	Enriched Housing Enhances Recovery of Limb Placement Ability and Reduces Aggrecan-Containing Perineuronal Nets in the Rat Somatosensory Cortex after Experimental Stroke. PLoS ONE, 2014, 9, e93121.	1.1	62
1059	Early and Moderate Sensory Stimulation Exerts a Protective Effect on Perilesion Representations of Somatosensory Cortex after Focal Ischemic Damage. PLoS ONE, 2014, 9, e99767.	1.1	8
1060	Hypothermia Protects and Prolongs the Tolerance Time of Retinal Ganglion Cells against Ischemia. PLoS ONE, 2016, 11, e0148616.	1.1	19
1061	Pulsed Light Stimulation Increases Boundary Preference and Periodicity of Episodic Motor Activity in <i>Drosophila melanogaster</i> . PLoS ONE, 2016, 11, e0163976.	1.1	11
1062	Hemorrhagic versus ischemic stroke: Who can best benefit from blended conventional physiotherapy with robotic-assisted gait therapy?. PLoS ONE, 2017, 12, e0178636.	1.1	16
1063	Minimizing endpoint variability through reinforcement learning during reaching movements involving shoulder, elbow and wrist. PLoS ONE, 2017, 12, e0180803.	1.1	10
1064	Rehabilitative skilled forelimb training enhances axonal remodeling in the corticospinal pathway but not the brainstem-spinal pathways after photothrombotic stroke in the primary motor cortex. PLoS ONE, 2017, 12, e0187413.	1.1	19
1065	Therapeutic Benefits of Mesenchymal Stromal Cells in a Rat Model of Hemoglobin-Induced Hypertensive Intracerebral Hemorrhage. Molecules and Cells, 2017, 40, 133-142.	1.0	26
1066	Role of the intact hemisphere in determining the rehabilitation potential in the acute period of ischemic stroke: a diffusion and perfusion model. Neurologiya, Neiropsikhiatriya, Psikhosomatika, 2019, 11, 28-35.	0.2	2
1067	Spontaneous Functional Recovery after Focal Damage in Neuronal Cultures. ENeuro, 2020, 7, ENEURO.0254-19.2019.	0.9	13
1069	Connectivity as a Predictor of Responsiveness to Transcranial Direct Current Stimulation in People with Stroke: Protocol for a Double-Blind Randomized Controlled Trial. JMIR Research Protocols, 2018, 7, e10848.	0.5	7
1070	Domiciliary VR-Based Therapy for Functional Recovery and Cortical Reorganization: Randomized Controlled Trial in Participants at the Chronic Stage Post Stroke. JMIR Serious Games, 2017, 5, e15.	1.7	44
1071	Navigated transcranial magnetic stimulation following awake craniotomy for resection of glioma: Description of two cases. , 2020, 11, 433.		3
1072	The aging mind: neuroplasticity in response to cognitive training. Dialogues in Clinical Neuroscience, 2013, 15, 109-119.	1.8	266
1073	Regulation of gene expression after combined scalp acupuncture and transcranial magnetic stimulation in middle cerebral artery occlusion mice. Restorative Neurology and Neuroscience, 2020, 38, 253-263.	0.4	2
1074	A Very Early Rehabilitation Trial after stroke (AVERT): a Phase III, multicentre, randomised controlled trial. Health Technology Assessment, 2017, 21, 1-120.	1.3	109
1076	HIF1 α attenuates neuronal apoptosis by upregulating EPO expression following cerebral ischemia-reperfusion injury in a rat MCAO model. International Journal of Molecular Medicine, 2020, 45, 1027-1036.	1.8	26

#	ARTICLE	IF	CITATIONS
1077	Imaging brain plasticity after trauma. <i>Neural Regeneration Research</i> , 2014, 9, 693.	1.6	28
1078	Urokinase-type plasminogen activator is a modulator of synaptic plasticity in the central nervous system: implications for neurorepair in the ischemic brain. <i>Neural Regeneration Research</i> , 2020, 15, 620.	1.6	14
1079	Methylene blue treatment in experimental ischemic stroke: A mini-review. <i>Brain Circulation</i> , 2016, 2, 48.	0.7	18
1080	Hypothermia: Impact on plasticity following brain injury. <i>Brain Circulation</i> , 2019, 5, 169.	0.7	9
1082	Treadmill Exercise Improves Motor Function and Short-term Memory by Enhancing Synaptic Plasticity and Neurogenesis in Photothrombotic Stroke Mice. <i>International Neurology Journal</i> , 2020, 24, S28-38.	0.5	29
1083	Effect of task-specific training on Eph/ephrin expression after stroke. <i>BMB Reports</i> , 2016, 49, 635-640.	1.1	8
1084	Interhemispheric Modulation of Dual-Mode, Noninvasive Brain Stimulation on Motor Function. <i>Annals of Rehabilitation Medicine</i> , 2014, 38, 297.	0.6	15
1085	Family History and Functional Outcome in Korean Stroke Patients: A Preliminary Study. <i>Annals of Rehabilitation Medicine</i> , 2015, 39, 980.	0.6	3
1086	Optimal level activity of matrix metalloproteinases is critical for adult visual plasticity in the healthy and stroke-affected brain. <i>ELife</i> , 2015, 4, e11290.	2.8	14
1087	Developmental 'awakening' of primary motor cortex to the sensory consequences of movement. <i>ELife</i> , 2018, 7, .	2.8	52
1088	EphrinB2 regulates VEGFR2 during dendritogenesis and hippocampal circuitry development. <i>ELife</i> , 2019, 8, .	2.8	17
1089	Interhemispherically dynamic representation of an eye movement-related activity in mouse frontal cortex. <i>ELife</i> , 2019, 8, .	2.8	9
1090	Homeostatic plasticity in the retina is associated with maintenance of night vision during retinal degenerative disease. <i>ELife</i> , 2020, 9, .	2.8	31
1091	Smaller spared subcortical nuclei are associated with worse post-stroke sensorimotor outcomes in 28 cohorts worldwide. <i>Brain Communications</i> , 2021, 3, fcb254.	1.5	7
1092	Phosphoproteomic Analysis Identifies Potassium Voltage-Gated Channel KCNQ2 and Anxa6 Alleviates Syt1-Mediated Ischemic Neuron Injury. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1094	Expression of Slit and Robo during remodeling of corticospinal tract in cervical spinal cord in middle cerebral artery occlusion rats. <i>Molecular Biology Reports</i> , 2021, 48, 7831-7839.	1.0	1
1095	Lesion Area in the Cerebral Cortex Determines the Patterns of Axon Rewiring of Motor and Sensory Corticospinal Tracts After Stroke. <i>Frontiers in Neuroscience</i> , 2021, 15, 737034.	1.4	1
1096	The various forms of sensorimotor plasticity following limb amputation and their link with rehabilitation strategies. <i>Revue Neurologique</i> , 2021, 177, 1112-1120.	0.6	4

#	ARTICLE	IF	CITATIONS
1097	Overview of Acute Ischemic Stroke Evaluation and Management. <i>Biomedicines</i> , 2021, 9, 1486.	1.4	25
1098	Longitudinal functional imaging of VIP interneurons reveals sup-population specific effects of stroke that are rescued with chemogenetic therapy. <i>Nature Communications</i> , 2021, 12, 6112.	5.8	9
1099	Timing and Dose of Upper Limb Motor Intervention After Stroke: A Systematic Review. <i>Stroke</i> , 2021, 52, 3706-3717.	1.0	22
1100	Functional connectome reorganization relates to post-stroke motor recovery and structural and functional disconnection. <i>NeuroImage</i> , 2021, 245, 118642.	2.1	29
1101	Functional electrical stimulation (FES) and neuronal plasticity: a historical review. <i>Acta Fisiológica</i> , 2012, 19, 246-257.	0.0	0
1102	Brain-Computer Interfaces. <i>The Ergonomics Design & Mgmtory & Applications</i> , 2012, , .	0.2	0
1103	Efficacy of Transplant and Endogenous Precursor and Stem Cell Interventions on Stroke Recovery: A Critical Assessment. , 2013, , 47-61.		0
1104	Brain Angiogenesis After Stroke. , 2013, , 239-260.		1
1105	Studies of Brain Strokes Using Laser Techniques - What We Can Do Now, What We Should Do Next -. The Review of Laser Engineering, 2013, 41, 98.	0.0	0
1106	Asynchronous BCIs for the Early Detection and Classification of Voluntary Movements: Applications in Stroke Rehabilitation. <i>Biosystems and Biorobotics</i> , 2013, , 629-633.	0.2	0
1107	Functional Rehabilitation in Patients with Diffuse Low-Grade Glioma (DLGG). , 2013, , 463-473.		0
1108	Modèles animaux de la prématurité: mesures comportementales des effets des lésions cérébrales. <i>Enfance</i> , 2013, 2013, 77-94.	0.1	0
1110	Aplicación de la estimulación magnética transcraneal en la patología cerebrovascular. , 2014, , 101-114.		0
1111	Optimizing the Content and Dose of Rehabilitation in the First 12 Months Following Stroke. <i>Critical Reviews in Physical and Rehabilitation Medicine</i> , 2014, 26, 27-50.	0.1	0
1112	fMRI-Guided Subdural Visual Motion BCI with Minimal Invasiveness. <i>Springer Briefs in Electrical and Computer Engineering</i> , 2014, , 113-123.	0.3	0
1113	Neuronal Patterns in the Cavity Wall of Lesions during Gait Cycle in a Rat Model of Brain Lesion Cavities. , 2015, , .		0
1114	Activity Patterns in Stroke Patients - Is There a Trend in Behaviour During Rehabilitation?. <i>Lecture Notes in Computer Science</i> , 2015, , 146-159.	1.0	1
1115	IMPACT OF EARLY POST STROKE REHABILITATION PROGRAM ON NEUROLOGICAL AND FUNCTIONAL OUTCOME. <i>Mansoura Nursing Journal</i> , 2015, 2, 97-114.	0.0	0

#	ARTICLE	IF	CITATIONS
1116	Endogenous repair mechanisms after human stem cell transplantation following stroke. No Junkan Taisha = Cerebral Blood Flow and Metabolism, 2015, 26, 151-154.	0.1	0
1117	Blood Vessel Remodeling After Stroke. , 2015, , 175-218.		0
1118	Synapse. , 2016, , 1-3.		0
1119	GSK249320, A Monoclonal Antibody Against the Axon Outgrowth Inhibition Molecule Myelin-Associated Glycoprotein, Improves Outcome of Rodents with Experimental Stroke. Journal of Neurology and Experimental Neuroscience, 0, , .	0.2	4
1121	Cortical Plasticity in Response to Injury and Disease. , 2017, , 37-56.		2
1122	Functional Rehabilitation in Patients with DLGG. , 2017, , 595-608.		0
1123	Rehabilitation Robot and Computational Neuro-rehabilitation. Journal of the Robotics Society of Japan, 2017, 35, 518-524.	0.0	0
1124	Carotid Endarterectomy versus Medical Therapy in Stroke Prevention. The Egyptian Journal of Hospital Medicine, 2017, 67, 713-720.	0.0	0
1125	The brain functional activity - bioelectrical marker of the effectiveness of carotid endarterectomy performed in the acute period of ischemic stroke. Regional Blood Circulation and Microcirculation, 2017, 16, 15-20.	0.1	0
1126	The Inflammatory Response and Its Effect on Rehabilitation-Induced Repair Processes After Stroke. Springer Series in Translational Stroke Research, 2018, , 509-520.	0.1	1
1128	Synapse. , 2018, , 3894-3896.		0
1130	Intensive therapeutic treatment in neuro-rehabilitation â€“ a qualitative analysis from the therapistâ€™s perspective. Journal of Neurology & Stroke, 2018, 8, .	0.0	0
1133	Neurorehabilitation for Cerebrovascular Disease: Present and Future. Journal of the Nihon University Medical Association, 2018, 77, 401-402.	0.0	0
1134	Anodal transcranial direct current stimulation with monopolar pulses improves limb use after stroke by enhancing inter-hemispheric coherence. Acta Neurobiologiae Experimentalis, 2019, 79, 291-302.	0.4	2
1135	Influencing the effectiveness of post-stroke motor rehabilitation factors. V M Bekhterev Review of Psychiatry and Medical Psychology, 2019, , 82-92.	0.1	0
1137	The Effect of Memorizing the Al Quran on Quality of Life in Stroke Patients With Aphasia Motoric Disorders. Global Journal of Health Science, 2019, 11, 29.	0.1	5
1138	Parkinsonism and Related Disorders. , 0, , .		0
1141	Neuroplasticity Biomarkers in Experimental Stroke Recovery. Neuromethods, 2020, , 35-59.	0.2	1

#	ARTICLE	IF	CITATIONS
1143	Protocols for the Dynamic Lines of Collaboration. Automation, Collaboration, and E-services, 2020, , 51-66.	0.5	0
1144	The Effect of IoT-based Upper and Lower Extremity Rehabilitation Medical Device Training on Gait in Chronic Stroke Survivor: A Case Study. Archives of Orthopedic and Sports Physical Therapy, 2019, 15, 95-100.	0.0	0
1145	Interacción entre el sistema perceptivo y motor en pacientes con lesiones centrales y periféricas: estrategias para la neurorrehabilitación. Duazary, 2020, 17, 3-4.	0.0	0
1146	Randomized Efficacy and Safety Trial with Oral S 44819 after Recent ischemic cerebral Event (RESTORE) Tj ETQq1 1 0,784314 rgBT /Qv	0.7	5
1148	The applicability of motor learning to neurorehabilitation. , 2020, , 71-80.		5
1152	Eficácia de um aplicativo virtual na terapia para afasia motora. Research, Society and Development, 2020, 9, e147973877.	0.0	0
1153	A Massive Right Hemisphere Infarction After Autologous Fat Grafting for Facial Filling. Journal of Craniofacial Surgery, 2021, 32, e215-e217.	0.3	6
1154	Mechanism of Action of Dengzhan Shengmai in Regulating Stroke from an Inflammatory Perspective: A Preliminary Analysis of Network Pharmacology. Evidence-based Complementary and Alternative Medicine, 2021, 2021, 1-10.	0.5	2
1155	Motor Network Reorganization After Repetitive Transcranial Magnetic Stimulation in Early Stroke Patients: A Resting State fMRI Study. Neurorehabilitation and Neural Repair, 2022, 36, 61-68.	1.4	11
1156	Emerging Mechanism of Cell Death Caused by Stroke: A Role of Neurovascular Unit. Stroke Revisited, 2020, , 243-256.	0.2	0
1158	Translational Neuroscience of Aphasia and Adult Language Rehabilitation. Contemporary Clinical Neuroscience, 2020, , 5-20.	0.3	3
1159	Neuroplasticity and post-stroke cognitive impairment (therapeutic possibilities). International Neurological Journal, 2020, 16, 42-49.	0.2	0
1161	Lokaler Schlaf. Springer Reference Medizin, 2020, , 1-6.	0.0	0
1162	Stable Behavioral and Neural Responses to Thermal Stimulation Despite Large Changes in the <i>Hydra vulgaris</i> Nervous System. SSRN Electronic Journal, 0, , .	0.4	0
1163	Longitudinal optical coherence tomography imaging of tissue repair and microvasculature regeneration and function after targeted cerebral ischemia. Journal of Biomedical Optics, 2020, 25, 1.	1.4	1
1165	Spatio-temporal analysis of EEG features during consciousness recovery in patients with disorders of consciousness. Clinical Neurophysiology, 2022, 133, 135-144.	0.7	8
1166	Cortical Thickness of Brain Areas Beyond Stroke Lesions and Sensory-Motor Recovery: A Systematic Review. Frontiers in Neuroscience, 2021, 15, 764671.	1.4	5
1167	Investigation of the implementation of a Communication Enhanced Environment model on an acute/slow stream rehabilitation and a rehabilitation ward: A before-and-after pilot study. Clinical Rehabilitation, 2022, 36, 15-39.	1.0	6

#	ARTICLE	IF	CITATIONS
1170	Technology-assisted stroke rehabilitation. <i>Neurology</i> , 2020, 95, 761-762.	1.5	0
1173	Constraint-induced movement therapy as a paradigm of translational research in neurorehabilitation: Reviews and prospects. <i>American Journal of Translational Research (discontinued)</i> , 2010, 3, 48-60.	0.0	8
1174	Reorganization of Brain Networks in Aging and Age-related Diseases. , 2012, 3, 181-93.		33
1176	GSK249320, A Monoclonal Antibody Against the Axon Outgrowth Inhibition Molecule Myelin-Associated Glycoprotein, Improves Outcome of Rodents with Experimental Stroke. <i>Journal of Neurology and Experimental Neuroscience</i> , 2016, 2, 28-33.	0.2	6
1177	Efficacy of Cerebrolysin in the reduction of spasticity during stroke rehabilitation. <i>Journal of Medicine and Life</i> , 2017, 10, 161-166.	0.4	7
1178	Post-stroke neuronal circuits and mental illnesses. <i>International Journal of Physiology, Pathophysiology and Pharmacology</i> , 2019, 11, 1-11.	0.8	4
1179	TGF β 1 Induces Axonal Outgrowth via ALK5/PKA/SMURF1-Mediated Degradation of RhoA and Stabilization of PAR6. <i>ENeuro</i> , 2020, 7, .	0.9	0
1180	Critical Period After Stroke Study (CPASS): A phase II clinical trial testing an optimal time for motor recovery after stroke in humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	5
1181	Combined treatment with exercise and δ 5GABAAR inhibitor promotes motor function recovery after intracerebral hemorrhage. <i>Neuroscience Letters</i> , 2022, 766, 136344.	1.0	5
1182	Contralateral S1 function is involved in electroacupuncture treatment-mediated recovery after focal unilateral M1 infarction. <i>Neural Regeneration Research</i> , 2022, 17, 1310.	1.6	5
1183	Use of the Leap Motion Controller [®] System in the Rehabilitation of the Upper Limb in Stroke. A Systematic Review. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2022, 31, 106174.	0.7	22
1184	Critical Period After Stroke Study (CPASS): A phase II clinical trial testing an optimal time for motor recovery after stroke in humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	108
1185	Resting α -state language network neuroplasticity in post α -stroke music listening: A randomized controlled trial. <i>European Journal of Neuroscience</i> , 2021, 54, 7886-7898.	1.2	5
1186	Combining Optogenetic Stimulation and Motor Training Improves Functional Recovery and Perilesional Cortical Activity. <i>Neurorehabilitation and Neural Repair</i> , 2022, 36, 107-118.	1.4	12
1187	Agonistic analog of growth hormone α -releasing hormone promotes neurofunctional recovery and neural regeneration in ischemic stroke. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	17
1188	Change in the central control of the bladder function of rats with focal cerebral infarction induced by photochemically-induced thrombosis. <i>PLoS ONE</i> , 2021, 16, e0255200.	1.1	1
1189	Oxidized Albumin and Cartilage Acidic Protein-1 as Blood Biomarkers to Predict Ischemic Stroke Outcomes. <i>Frontiers in Neurology</i> , 2021, 12, 686555.	1.1	1
1190	Clinical and Neural Predictors of Treatment Response to Music Listening Intervention after Stroke. <i>Brain Sciences</i> , 2021, 11, 1576.	1.1	3

#	ARTICLE	IF	CITATIONS
1191	MMP2 and MMP9 Activity Is Crucial for Adult Visual Cortex Plasticity in Healthy and Stroke-Affected Mice. <i>Journal of Neuroscience</i> , 2022, 42, 16-32.	1.7	15
1192	Recovery of Body Awareness After Stroke: An Observational Study. <i>Frontiers in Neurology</i> , 2021, 12, 745964.	1.1	9
1193	Contralesional plasticity following constraint-induced movement therapy benefits outcome: contributions of the intact hemisphere to functional recovery. <i>Reviews in the Neurosciences</i> , 2022, 33, 269-283.	1.4	3
1194	Intensive In-Bed Sensorimotor Rehabilitation of Early Subacute Stroke Survivors With Severe Hemiplegia Using a Wearable Robot. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2021, 29, 2252-2259.	2.7	11
1195	Endogenous Dopamine Transmission is Crucial for Motor Skill Recovery After Stroke. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1196	Percolation in networks with local homeostatic plasticity. <i>Nature Communications</i> , 2022, 13, 122.	5.8	3
1197	Biophoton imaging identification of delayed functional neural circuit injury after cerebral ischemia-reperfusion. <i>Journal of Neuroscience Methods</i> , 2022, 367, 109438.	1.3	1
1198	Correlation Tensor MRI deciphers underlying kurtosis sources in stroke. <i>NeuroImage</i> , 2022, 247, 118833.	2.1	15
1199	Reactive astrocytes prevent maladaptive plasticity after ischemic stroke. <i>Progress in Neurobiology</i> , 2022, 209, 102199.	2.8	18
1200	Rehabilitative training paired with peripheral stimulation promotes motor recovery after ischemic cerebral stroke. <i>Experimental Neurology</i> , 2022, 349, 113960.	2.0	9
1201	Modèles animaux de la pré-maturité: mesures comportementales des effets des lésions cérébrales. <i>Enfance</i> , 2013, N° 1, 77-94.	0.1	0
1202	TGF β 1 Induces Axonal Outgrowth via ALK5/PKA/SMURF1-Mediated Degradation of RhoA and Stabilization of PAR6. <i>ENeuro</i> , 2020, 7, ENEURO.0104-20.2020.	0.9	6
1204	Alternative Strategy for Better Neurorehabilitation after Ischemic Stroke with Remote Ischemic Conditioning and Exercise. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1206	New tools for shaping plasticity to enhance recovery after stroke. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2022, 184, 299-315.	1.0	12
1207	Biomarkers of plasticity for stroke recovery. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2022, 184, 287-298.	1.0	1
1208	Physical exercise promotes integration of grafted cells and functional recovery in an acute stroke rat model. <i>Stem Cell Reports</i> , 2022, 17, 276-288.	2.3	7
1209	Monitoring Neuronal Network Disturbances of Brain Diseases: A Preclinical MRI Approach in the Rodent Brain. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 815552.	1.8	4
1210	Excitatory-Inhibitory Homeostasis and Diaschisis: Tying the Local and Global Scales in the Post-stroke Cortex. <i>Frontiers in Systems Neuroscience</i> , 2021, 15, 806544.	1.2	10

#	ARTICLE	IF	CITATIONS
1211	Does noninvasive brain stimulation combined with other therapies improve upper extremity motor impairment, functional performance, and participation in activities of daily living after stroke? A systematic review and meta-analysis of randomized controlled trial. <i>Topics in Stroke Rehabilitation</i> , 2023, 30, 213-234.	1.0	13
1212	Brain Network Organization Following Post-Stroke Neurorehabilitation. <i>International Journal of Neural Systems</i> , 2022, , 2250009.	3.2	1
1213	The Immediate Effects of a Knee-“Ankle”-Foot Orthosis on Standing Reach in Individuals with Subacute Stroke. <i>Asian Journal of Occupational Therapy</i> , 2022, 18, 47-54.	0.1	0
1214	Harnessing cortical plasticity via gabapentinoid administration promotes recovery after stroke. <i>Brain</i> , 2022, 145, 2378-2393.	3.7	12
1215	Virtual Reality Assisted Motor Imagery for Early Post-Stroke Recovery: A Review. <i>IEEE Reviews in Biomedical Engineering</i> , 2023, 16, 487-498.	13.1	8
1216	Optical Modalities for Research, Diagnosis, and Treatment of Stroke and the Consequent Brain Injuries. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 1891.	1.3	3
1218	The impact of closed-loop intracortical stimulation on neural activity in brain-injured, anesthetized animals. <i>Bioelectronic Medicine</i> , 2022, 8, 4.	1.0	6
1219	Functional standing frame programme early after severe sub-acute stroke (SPIRES): a randomised controlled feasibility trial. <i>Pilot and Feasibility Studies</i> , 2022, 8, 50.	0.5	2
1220	The Prognostic Utility of Electroencephalography in Stroke Recovery: A Systematic Review and Meta-Analysis. <i>Neurorehabilitation and Neural Repair</i> , 2022, 36, 255-268.	1.4	13
1221	Phosphoproteome Analysis Identifies a Synaptotagmin-1-Associated Complex Involved in Ischemic Neuron Injury. <i>Molecular and Cellular Proteomics</i> , 2022, 21, 100222.	2.5	6
1222	Does frequent use of an exoskeletal upper limb robot improve motor function in stroke patients?. <i>Disability and Rehabilitation</i> , 2022, , 1-7.	0.9	0
1223	Post-stroke enriched auditory environment induces structural connectome plasticity: secondary analysis from a randomized controlled trial. <i>Brain Imaging and Behavior</i> , 2022, 16, 1813-1822.	1.1	5
1224	Evidence That Substantia Nigra Pars Compacta Dopaminergic Neurons Are Selectively Vulnerable to Oxidative Stress Because They Are Highly Metabolically Active. <i>Frontiers in Cellular Neuroscience</i> , 2022, 16, 826193.	1.8	23
1225	Astrocytic phagocytosis contributes to demyelination after focal cortical ischemia in mice. <i>Nature Communications</i> , 2022, 13, 1134.	5.8	52
1226	Acrolein, an endogenous aldehyde induces synaptic dysfunction in vitro and in vivo: Involvement of RhoA/ROCK2 pathway. <i>Aging Cell</i> , 2022, 21, e13587.	3.0	7
1227	Astrocyte-secreted chordin-like 1 regulates spine density after ischemic injury. <i>Scientific Reports</i> , 2022, 12, 4176.	1.6	8
1228	Transcranial Direct Current Stimulation Enhances Neuroplasticity and Accelerates Motor Recovery in a Stroke Mouse Model. <i>Stroke</i> , 2022, 53, 1746-1758.	1.0	20
1229	High-Intensity Post-Stroke Rehabilitation Is Associated with Lower Risk of Pressure Ulcer Development in Patients with Stroke: Real-World Evidence from a Nationwide, Population-Based Cohort Study. <i>Medicina (Lithuania)</i> , 2022, 58, 402.	0.8	1

#	ARTICLE	IF	CITATIONS
1230	Trophic factor BDNF inhibits GABAergic signaling by facilitating dendritic enrichment of SUMO E3 ligase PIAS3 and altering gephyrin scaffold. <i>Journal of Biological Chemistry</i> , 2022, 298, 101840.	1.6	4
1231	A framework for quantifying the effects of transcranial magnetic stimulation on motor recovery from hemiparesis: corticomuscular network. <i>Journal of Neural Engineering</i> , 2022, 19, 026053.	1.8	4
1232	The passive properties of dendrites modulate the propagation of slowly-varying firing rate in feedforward networks. <i>Neural Networks</i> , 2022, 150, 377-391.	3.3	0
1234	EFFECT OF ACTION OBSERVATION THERAPY ON IMPROVING UPPER LIMB FUNCTIONS IN ACUTE STROKE PATIENTS: AN EXPERIMENTAL STUDY. , 2021, , 33-36.		0
1235	Optimal Measures for Primary Care Physician Encounters after Stroke and Association with Survival: A Data Linkage Study. <i>Neuroepidemiology</i> , 2022, 56, 90-96.	1.1	3
1236	Poststroke dendritic arbor regrowth requires the actin nucleator Cobl. <i>PLoS Biology</i> , 2021, 19, e3001399.	2.6	3
1237	Effect of Diabetes on Post-stroke Recovery: A Systematic Narrative Review. <i>Frontiers in Neurology</i> , 2021, 12, 747878.	1.1	9
1238	Resting-state Functional Connectivity After Occipital Stroke. <i>Neurorehabilitation and Neural Repair</i> , 2022, 36, 151-163.	1.4	5
1239	Functional connectivity drives stroke recovery: shifting the paradigm from correlation to causation. <i>Brain</i> , 2022, 145, 1211-1228.	3.7	24
1240	A Real-Time Wearable Physiological Monitoring System for Home-Based Healthcare Applications. <i>Sensors</i> , 2022, 22, 104.	2.1	16
1242	Evolution of brain activation after stroke in a constant-effort versus constant-output motor task. <i>Restorative Neurology and Neuroscience</i> , 2015, 33, 845-64.	0.4	12
1244	Growth Hormone Increases BDNF and mTOR Expression in Specific Brain Regions after Photothrombotic Stroke in Mice. <i>Neural Plasticity</i> , 2022, 2022, 1-13.	1.0	2
1245	Urological outcomes in children with congenital Zika syndrome: The experience of a cohort in Campina Grande, Brazil. <i>Tropical Medicine and International Health</i> , 2022, 27, 583-591.	1.0	2
1246	Neurological Music Therapy Rebuilds Structural Connectome after Traumatic Brain Injury: Secondary Analysis from a Randomized Controlled Trial. <i>Journal of Clinical Medicine</i> , 2022, 11, 2184.	1.0	9
1247	The regulatory role of NAAG-mGluR3 signaling on cortical synaptic plasticity after hypoxic ischemia. <i>Cell Communication and Signaling</i> , 2022, 20, 55.	2.7	2
1290	Imaging Synaptic Density: The Next Holy Grail of Neuroscience?. <i>Frontiers in Neuroscience</i> , 2022, 16, 796129.	1.4	24
1292	The scope and potential of music therapy in stroke rehabilitation. <i>Journal of Integrative Medicine</i> , 2022, 20, 284-287.	1.4	2
1293	Changes in Astroglial K ⁺ upon Brief Periods of Energy Deprivation in the Mouse Neocortex. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4836.	1.8	7

#	ARTICLE	IF	CITATIONS
1294	Selective plasticity of callosal neurons in the adult contralesional cortex following murine traumatic brain injury. <i>Nature Communications</i> , 2022, 13, 2659.	5.8	3
1295	Tracking the Effect of Therapy With Single-Trial Based Classification After Stroke. <i>Frontiers in Systems Neuroscience</i> , 2022, 16, .	1.2	1
1296	Efficacy of mechanisms of neuroplasticity after a stroke. <i>Restorative Neurology and Neuroscience</i> , 2022, , 1-12.	0.4	3
1297	Neuroplasticity-Based Pruning Method for Deep Convolutional Neural Networks. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 4945.	1.3	0
1298	Brain's Energy After Stroke: From a Cellular Perspective Toward Behavior. <i>Frontiers in Integrative Neuroscience</i> , 2022, 16, .	1.0	2
1299	Lateralized readiness potentials can identify hemisphere of recovery in stroke patients. <i>Restorative Neurology and Neuroscience</i> , 2022, , 1-9.	0.4	2
1300	Intensity matters: protocol for a randomized controlled trial exercise intervention for individuals with chronic stroke. <i>Trials</i> , 2022, 23, .	0.7	4
1301	Perinatal stroke: modelling and the potential of neurovisualization. <i>Russian Pediatric Journal</i> , 2022, 25, 128-138.	0.0	0
1302	Endogenous dopamine transmission is crucial for motor skill recovery after stroke. <i>IBRO Neuroscience Reports</i> , 2022, 13, 15-21.	0.7	7
1303	Real-time fiber-optic recording of acute ischemic stroke signatures. <i>Journal of Biophotonics</i> , 2022, 15, .	1.1	3
1305	Leveraging Social Networks for the Assessment and Management of Neurological Patients. <i>Seminars in Neurology</i> , 2022, 42, 136-148.	0.5	9
1306	Homotopic contralesional excitation suppresses spontaneous circuit repair and global network reconnections following ischemic stroke. <i>ELife</i> , 0, 11, .	2.8	12
1307	Brain-computer interface-based action observation combined with peripheral electrical stimulation enhances corticospinal excitability in healthy subjects and stroke patients. <i>Journal of Neural Engineering</i> , 2022, 19, 036039.	1.8	2
1308	Transcranial Magnetic Stimulation Versus Transcutaneous Neuromuscular Electrical Stimulation in Post Stroke Dysphagia: A Clinical Randomized Controlled Trial. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2022, 31, 106554.	0.7	4
1309	FUS aggregation following ischemic stroke favors brain astrocyte activation through inducing excessive autophagy. <i>Experimental Neurology</i> , 2022, 355, 114144.	2.0	3
1310	Pregabalin improves axon regeneration and motor outcome in a rodent stroke model. <i>Brain Communications</i> , 2022, 4, .	1.5	4
1311	In Vivo Formation and Tracking of β -Peptide Nanostructures. <i>ACS Applied Materials & Interfaces</i> , 0, , .	4.0	3
1312	Memory rehabilitation: restorative, specific knowledge acquisition, compensatory, and holistic approaches. <i>Cognitive Processing</i> , 2022, 23, 537-557.	0.7	3

#	ARTICLE	IF	CITATIONS
1313	BCI-FES With Multimodal Feedback for Motor Recovery Poststroke. <i>Frontiers in Human Neuroscience</i> , 0, 16, .	1.0	3
1314	Functional electrical stimulation (FES) and neuronal plasticity: a historical review. <i>Acta Fisiológica</i> , 2012, 19, 246-257.	0.0	0
1315	fNIRS-based adaptive visuomotor task improves sensorimotor cortical activation. <i>Journal of Neural Engineering</i> , 2022, 19, 046023.	1.8	3
1316	Tuning brain networks: The emerging role of transcranial direct current stimulation on structural plasticity. <i>Frontiers in Cellular Neuroscience</i> , 0, 16, .	1.8	7
1317	Contralateral synaptic changes following severe unilateral brain injury. <i>Brain Research Bulletin</i> , 2022, 188, 21-29.	1.4	3
1319	Adult neurogenesis of the median eminence contributes to structural reconstruction and recovery of body fluid metabolism in hypothalamic self-repair after pituitary stalk lesion. <i>Cellular and Molecular Life Sciences</i> , 2022, 79, .	2.4	4
1320	Effects of core training on trunk function, balance, and gait in stroke patients: A systematic review and meta-analysis of randomised controlled trials. <i>Clinical Rehabilitation</i> , 0, , 026921552211172.	1.0	3
1321	The role of brain oscillations in post-stroke motor recovery: An overview. <i>Frontiers in Systems Neuroscience</i> , 0, 16, .	1.2	5
1322	Microengineered devices enable long-term imaging of the ventral nerve cord in behaving adult <i>Drosophila</i> . <i>Nature Communications</i> , 2022, 13, .	5.8	9
1323	Time course of right hemisphere recruitment during word production following left hemisphere damage: A single case of young stroke. <i>European Journal of Neuroscience</i> , 2022, 56, 5235-5259.	1.2	1
1324	Humanoid control of lower limb exoskeleton robot based on human gait data with sliding mode neural network. <i>CAAI Transactions on Intelligence Technology</i> , 2022, 7, 606-616.	3.4	11
1325	Effect of right hemispheric damage on structured spoken conversation. <i>PLoS ONE</i> , 2022, 17, e0271727.	1.1	2
1326	Rewiring Cortico-Muscular Control in the Healthy and Poststroke Human Brain with Proprioceptive β -Band Neurofeedback. <i>Journal of Neuroscience</i> , 2022, 42, 6861-6877.	1.7	8
1328	Bored at home? A systematic review on the effect of environmental enrichment on the welfare of laboratory rats and mice. <i>Frontiers in Veterinary Science</i> , 0, 9, .	0.9	10
1329	Mechanisms and Biomarker Potential of Extracellular Vesicles in Stroke. <i>Biology</i> , 2022, 11, 1231.	1.3	7
1330	Enhancing non-invasive brain stimulation with non-invasively delivered nanoparticles for improving stroke recovery. <i>Materials Today Chemistry</i> , 2022, 26, 101104.	1.7	1
1331	Revisiting dose and intensity of training: Opportunities to enhance recovery following stroke. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2022, 31, 106789.	0.7	4
1332	Central and Peripheral Neural Interfaces for Control of Upper Limb Actuators for Motor Rehabilitation After Stroke: Technical and Clinical Considerations. , 2022, , 1-54.		1

#	ARTICLE	IF	CITATIONS
1333	Aerobic Running Exercise Recovered Motor Function by Improvement of Fine Ankle Mobility after Unilateral Brain Injury of Mice Using Three-Dimensional Kinematic Analysis Techniques. SSRN Electronic Journal, 0, , .	0.4	0
1334	A VR-Based Motor Imagery Training System With EMG-Based Real-Time Feedback for Post-Stroke Rehabilitation. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2023, 31, 1-10.	2.7	7
1335	Brazilian practice guidelines for stroke rehabilitation: Part II. Arquivos De Neuro-Psiquiatria, 2022, 80, 741-758.	0.3	6
1336	Administration of intramuscular AAV-BDNF and intranasal AAV-TrkB promotes neurological recovery via enhancing corticospinal synaptic connections in stroke rats. Experimental Neurology, 2023, 359, 114236.	2.0	7
1337	Clinical Factors Contributing to Cognitive Function in the Acute Stage after Treatment of Intracranial Aneurysms: A Cross-Sectional Study. Journal of Clinical Medicine, 2022, 11, 5053.	1.0	0
1338	A cohort study on longitudinal changes in postural balance during the first year after stroke. BMC Neurology, 2022, 22, .	0.8	3
1340	Role of NAD+ and FAD in Ischemic Stroke Pathophysiology: An Epigenetic Nexus and Expanding Therapeutic Repertoire. Cellular and Molecular Neurobiology, 0, , .	1.7	0
1341	An EEG-based asynchronous MI-BCI system to reduce false positives with a small number of channels for neurorehabilitation: A pilot study. Frontiers in Neurorobotics, 0, 16, .	1.6	3
1342	Reorganization in the macaque interoceptive-allostatic network following anterior cingulate cortex damage. Cerebral Cortex, 2023, 33, 4334-4349.	1.6	1
1343	Crossing nerve transfer drives sensory input-dependent plasticity for motor recovery after brain injury. Science Advances, 2022, 8, .	4.7	5
1344	The Role of DNA Methylation in Stroke Recovery. International Journal of Molecular Sciences, 2022, 23, 10373.	1.8	7
1345	High-Definition Transcranial Direct Current with Electrical Theta Burst on Post-Stroke Motor Rehabilitation: A Pilot Randomized Controlled Trial. Neurorehabilitation and Neural Repair, 2022, 36, 645-654.	1.4	2
1346	Circular RNA circPRDX3 mediates neuronal survival apoptosis in ischemic stroke by targeting miR-641 and NPR3. Brain Research, 2022, 1797, 148114.	1.1	1
1347	Deep learning-based behavioral profiling of rodent stroke recovery. BMC Biology, 2022, 20, .	1.7	21
1348	Computational Neurorehabilitation. , 2022, , 345-355.		1
1349	Rhynchophylline ameliorates cerebral ischemia by improving the synaptic plasticity in a middle cerebral artery occlusion induced stroke model. European Journal of Pharmacology, 2023, 940, 175390.	1.7	2
1350	Structural plasticity of motor cortices assessed by voxel-based morphometry and immunohistochemical analysis following internal capsular infarcts in macaque monkeys. Cerebral Cortex Communications, 2022, 3, .	0.7	1
1351	The impact of acupuncture on neuroplasticity after ischemic stroke: a literature review and perspectives. Frontiers in Cellular Neuroscience, 0, 16, .	1.8	10

#	ARTICLE	IF	CITATIONS
1352	Mild-intensity running exercise recovered motor function by improvement of ankle mobility after unilateral brain injury of mice using three-dimensional kinematic analysis techniques. <i>Brain Research</i> , 2023, 1798, 148160.	1.1	0
1353	Electroacupuncture Activates Neuroplasticity in the Motor Cortex and Corticospinal Tract via the mTOR Pathway in a Rat P-MCAO Model. <i>BioMed Research International</i> , 2022, 2022, 1-14.	0.9	3
1354	Restoring After Central Nervous System Injuries: Neural Mechanisms and Translational Applications of Motor Recovery. <i>Neuroscience Bulletin</i> , 2022, 38, 1569-1587.	1.5	12
1355	The Key Role of Initiation Timing on Stroke Rehabilitation by Remote Ischemic Conditioning with Exercise (RICE). <i>Neurological Research</i> , 2023, 45, 334-345.	0.6	1
1356	Recommended resources and online material for investigating neurological disorders and the use of animal models. , 2023, , 657-666.		0
1357	Changes in ultrasonic vocalizations after unilateral cerebral ischemia in a rat stroke model. <i>Behavioural Brain Research</i> , 2023, 439, 114252.	1.2	2
1358	Ancient Chinese Herbal Recipe Huanglian Jie Du Decoction for Ischemic Stroke: An Overview of Current Evidence. , 2022, 13, 1733.		5
1359	CaMKII α as a Promising Drug Target for Ischemic Grey Matter. <i>Brain Sciences</i> , 2022, 12, 1639.	1.1	2
1361	Accounting for the valley of recovery during post-stroke rehabilitation training via a model-based analysis of macaque manual dexterity. <i>Frontiers in Rehabilitation Sciences</i> , 0, 3, .	0.5	1
1362	Non-coding RNAs in stroke pathology, diagnostics, and therapeutics. <i>Neurochemistry International</i> , 2023, 162, 105467.	1.9	1
1363	Application of Robotic Recovery Techniques to Stroke Survivorsâ€™ Bibliometric Analysis. <i>Journal of Personalized Medicine</i> , 2022, 12, 2066.	1.1	5
1364	The Effects of Four Weeks of Chiropractic Spinal Adjustments on Blood Biomarkers in Adults with Chronic Stroke: Secondary Outcomes of a Randomized Controlled Trial. <i>Journal of Clinical Medicine</i> , 2022, 11, 7493.	1.0	0
1365	Activation of CREB-BDNF Pathway in Pyramidal Neurons in the Hippocampus Improves the Neurological Outcome of Mice with Ischemic Stroke. <i>Molecular Neurobiology</i> , 2023, 60, 1766-1781.	1.9	3
1366	Spontaneous Behavioural Recovery Following Stroke Relates to the Integrity of Parietal and Temporal Regions. <i>Translational Stroke Research</i> , 2024, 15, 127-139.	2.3	1
1367	Importance of affordances built into gardening tasks to trigger client positive behavior. <i>Acta Horticulturae</i> , 2022, , 375-382.	0.1	0
1368	Longitudinal Synaptic Density $\langle \text{scp} \rangle \text{PET} \langle / \text{scp} \rangle$ with $\langle \text{scp} \rangle \langle \text{sup} \rangle 11 \langle / \text{sup} \rangle \text{Câ€UCBâ€U} \langle / \text{scp} \rangle$ 6 Months After Ischemic Stroke. <i>Annals of Neurology</i> , 2023, 93, 911-921.	2.8	1
1369	The prospects for poststroke neural repair with vagal nerve stimulation. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2023, 94, 255-256.	0.9	1
1370	Neural Interfaces Involving the CNS and PNS Combined with Upper Limb Actuators for Motor Rehabilitation After Stroke: Technical and Clinical Considerations. , 2023, , 1701-1754.		0

#	ARTICLE	IF	CITATIONS
1371	Environmental Enrichment in Stroke Research: an Update. <i>Translational Stroke Research</i> , 2024, 15, 339-351.	2.3	4
1372	Epigenetic modifications in the motor cortex caused by exercise or pharmacological inhibition of histone deacetylases (HDACs) after intracerebral hemorrhage (ICH). <i>Brain Research</i> , 2023, 1806, 148286.	1.1	2
1373	Multifunctional injectable hydrogel promotes functional recovery after stroke by modulating microglial polarization, angiogenesis and neuroplasticity. <i>Chemical Engineering Journal</i> , 2023, 464, 142520.	6.6	4
1374	Cellular, histological, and behavioral pathological alterations associated with the mouse model of photothrombotic ischemic stroke. <i>Journal of Chemical Neuroanatomy</i> , 2023, 130, 102261.	1.0	0
1375	High-intensity training with short and long intervals regulate cortical neurotrophic factors, apoptosis markers and chloride homeostasis in rats with stroke. <i>Physiology and Behavior</i> , 2023, 266, 114190.	1.0	2
1376	Additional therapy promotes a continued pattern of improvement in upper-limb function and independence post-stroke. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2023, 32, 106995.	0.7	0
1377	Enriched environment ameliorates learning and memory deficits in hepatic encephalopathy mice by restoration of the structure of dendrites and dendritic spines. <i>Brain Research</i> , 2023, 1804, 148264.	1.1	2
1378	Effect of cyborg-type robot Hybrid Assistive Limb on patients with severe walking disability in acute stroke: A randomized controlled study. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2023, 32, 107020.	0.7	2
1379	Characteristics and pathogenesis of chemokines in the post-stroke stage. <i>International Immunopharmacology</i> , 2023, 116, 109781.	1.7	1
1380	FTO-dependent m6A modification of Plpp3 in circSCMH1-regulated vascular repair and functional recovery following stroke. <i>Nature Communications</i> , 2023, 14, .	5.8	19
1381	Two-photon microscopy: application advantages and latest progress for <i>in vivo</i> imaging of neurons and blood vessels after ischemic stroke. <i>Reviews in the Neurosciences</i> , 2023, 34, 559-572.	1.4	3
1382	The Place of Botulinum Toxin in Spastic Hemiplegic Shoulder Pain after Stroke: A Scoping Review. <i>International Journal of Environmental Research and Public Health</i> , 2023, 20, 2797.	1.2	0
1383	Alpha-Asarone Ameliorates Neurological Dysfunction of Subarachnoid Hemorrhagic Rats in Both Acute and Recovery Phases via Regulating the CaMKII-Dependent Pathways. <i>Translational Stroke Research</i> , 2024, 15, 476-494.	2.3	2
1384	Cortical activation in robot-assisted dynamic and static resistance training combining VR interaction: An fNIRS based pilot study. <i>NeuroRehabilitation</i> , 2023, 52, 413-423.	0.5	0
1385	Effects of bihemispheric transcranial direct current stimulation on motor recovery in subacute stroke patients: a double-blind, randomized sham-controlled trial. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2023, 20, .	2.4	4
1386	Always Look on the Bright Side: Associations of Optimism With Functional Outcomes After Stroke. <i>Journal of the American Heart Association</i> , 2023, 12, .	1.6	1
1387	Global sphingosine-1-phosphate receptor 2 deficiency attenuates neuroinflammation and ischemic-reperfusion injury after neonatal stroke. <i>IScience</i> , 2023, 26, 106340.	1.9	2
1388	Effects of exercise and bryostatin-1 on functional recovery and posttranslational modification in the perilesional cortex after cerebral infarction. <i>NeuroReport</i> , 2023, 34, 267-272.	0.6	1

#	ARTICLE	IF	CITATIONS
1390	Ketone bodies promote stroke recovery via GAT-1-dependent cortical network remodeling. <i>Cell Reports</i> , 2023, 42, 112294.	2.9	2
1391	The Neuropsychological Assessment of Unilateral Spatial Neglect Through Computerized and Virtual Reality Tools: A Scoping Review. <i>Neuropsychology Review</i> , 0, , .	2.5	5
1392	Neuroimmune mechanisms and therapies mediating post-ischaemic brain injury and repair. <i>Nature Reviews Neuroscience</i> , 2023, 24, 299-312.	4.9	14
1393	Magnetothermal-based non-invasive focused magnetic stimulation for functional recovery in chronic stroke treatment. <i>Scientific Reports</i> , 2023, 13, .	1.6	0
1394	Migratory Response of Cells in Neurogenic Niches to Neuronal Death: The Onset of Harmonic Repair?. <i>International Journal of Molecular Sciences</i> , 2023, 24, 6587.	1.8	3
1395	Association of Brain Age, Lesion Volume, and Functional Outcome in Patients With Stroke. <i>Neurology</i> , 2023, 100, .	1.5	9
1396	Degeneration of nigrostriatal pathway in patients with middle cerebral infarct: A diffusion tensor imaging study. <i>Medicine (United States)</i> , 2023, 102, e33370.	0.4	1
1397	Stroke Rehabilitation and Motor Recovery. <i>CONTINUUM Lifelong Learning in Neurology</i> , 2023, 29, 605-627.	0.4	3
1398	Modulation of neurotrophic factors in the treatment of dementia, stroke and TBI: Effects of Cerebrolysin. <i>Medicinal Research Reviews</i> , 2023, 43, 1668-1700.	5.0	7
1399	The effect and safety of constraint-induced movement therapy for post-stroke motor dysfunction: a meta-analysis and trial sequential analysis. <i>Frontiers in Neurology</i> , 0, 14, .	1.1	0
1400	A novel task to investigate vibrotactile detection in mice. <i>PLoS ONE</i> , 2023, 18, e0284735.	1.1	0
1401	Microglia enable cross-modal plasticity by removing inhibitory synapses. <i>Cell Reports</i> , 2023, 42, 112383.	2.9	8
1409	Efficacy of invasive and non-invasive methods for the treatment of Parkinson's disease: Nanodelivery and enriched environment. <i>International Review of Neurobiology</i> , 2023, , 103-143.	0.9	0
1418	Editorial: Modulating microglia to enhance neuroplasticity for restoring brain function after stroke. <i>Frontiers in Cellular Neuroscience</i> , 0, 17, .	1.8	0
1432	Emerging memristive artificial neuron and synapse devices for the neuromorphic electronics era. <i>Nanoscale Horizons</i> , 2023, 8, 1456-1484.	4.1	4
1435	Advanced robotic rehabilitation. , 2023, , 69-90.		0
1484	Environmental enrichment in cognitive and brain aging. , 2024, , .		0
1486	Measures of Neuroplastic and Functional Rearrangements during Recovery of Motor Function during Post-Stroke Rehabilitation. <i>Neuroscience and Behavioral Physiology</i> , 0, , .	0.2	0

#	ARTICLE	IF	CITATIONS
1504	Challenges in Drug Development for Neurological Disorders. , 2023, , 27-45.		0