

# Andreas R Luft

## List of Publications by Year in descending order

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207  
papers

11,229  
citations

31976

53  
h-index

37204

96  
g-index

224  
all docs

224  
docs citations

224  
times ranked

12253  
citing authors

#	ARTICLE	IF	CITATIONS
1	Global Burden of Stroke. <i>Seminars in Neurology</i> , 2018, 38, 208-211.	1.4	1,247
2	Repetitive Bilateral Arm Training and Motor Cortex Activation in Chronic Stroke. <i>JAMA - Journal of the American Medical Association</i> , 2004, 292, 1853.	7.4	487
3	Three-dimensional, task-specific robot therapy of the arm after stroke: a multicentre, parallel-group randomised trial. <i>Lancet Neurology</i> , The, 2014, 13, 159-166.	10.2	473
4	Modulation of human corticomotor excitability by somatosensory input. <i>Journal of Physiology</i> , 2002, 540, 623-633.	2.9	357
5	Dopaminergic Projections from Midbrain to Primary Motor Cortex Mediate Motor Skill Learning. <i>Journal of Neuroscience</i> , 2011, 31, 2481-2487.	3.6	332
6	Dopamine in Motor Cortex Is Necessary for Skill Learning and Synaptic Plasticity. <i>PLoS ONE</i> , 2009, 4, e7082.	2.5	300
7	Prevention and Treatment of Thromboembolic and Ischemic Complications Associated with Endovascular Procedures: Part II??Clinical Aspects and Recommendations. <i>Neurosurgery</i> , 2000, 46, 1360-1376.	1.1	258
8	Treadmill Exercise Activates Subcortical Neural Networks and Improves Walking After Stroke. <i>Stroke</i> , 2008, 39, 3341-3350.	2.0	241
9	Frequency and Determinants of Postprocedural Hemodynamic Instability After Carotid Angioplasty and Stenting. <i>Stroke</i> , 1999, 30, 2086-2093.	2.0	229
10	Stages of Motor Skill Learning. <i>Molecular Neurobiology</i> , 2005, 32, 205-216.	4.0	197
11	Prevention and Treatment of Thromboembolic and Ischemic Complications Associated with Endovascular Procedures: Part I??Pathophysiological and Pharmacological Features. <i>Neurosurgery</i> , 2000, 46, 1344-1359.	1.1	184
12	Chronic Stroke Survivors Benefit From High-Intensity Aerobic Treadmill Exercise. <i>Neurorehabilitation and Neural Repair</i> , 2012, 26, 85-95.	2.9	178
13	Comparing brain activation associated with isolated upper and lower limb movement across corresponding joints. <i>Human Brain Mapping</i> , 2002, 17, 131-140.	3.6	176
14	Short and long-term motor skill learning in an accelerated rotarod training paradigm. <i>Neurobiology of Learning and Memory</i> , 2004, 81, 211-216.	1.9	172
15	Systematic Review on Kinematic Assessments of Upper Limb Movements After Stroke. <i>Stroke</i> , 2019, 50, 718-727.	2.0	172
16	Bilateral and Unilateral Arm Training Improve Motor Function Through Differing Neuroplastic Mechanisms. <i>Neurorehabilitation and Neural Repair</i> , 2011, 25, 118-129.	2.9	160
17	Magnetic resonance imaging-based volumetry differentiates progressive supranuclear palsy from corticobasal degeneration. <i>NeuroImage</i> , 2004, 21, 714-724.	4.2	145
18	Motor Skill Learning Depends on Protein Synthesis in Motor Cortex after Training. <i>Journal of Neuroscience</i> , 2004, 24, 6515-6520.	3.6	140

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19	Identification of Patients at Risk for Periprocedural Neurological Deficits Associated With Carotid Angioplasty and Stenting. <i>Stroke</i> , 2000, 31, 376-382.	2.0	134
20	Lesion location alters brain activation in chronically impaired stroke survivors. <i>NeuroImage</i> , 2004, 21, 924-935.	4.2	130
21	Neutrophils Obstructing Brain Capillaries Are a Major Cause of No-Reflow in Ischemic Stroke. <i>Cell Reports</i> , 2020, 33, 108260.	6.4	129
22	Accuracy of the ABC/2 Score for Intracerebral Hemorrhage. <i>Stroke</i> , 2015, 46, 2470-2476.	2.0	125
23	Cortical Plasticity during Motor Learning and Recovery after Ischemic Stroke. <i>Neural Plasticity</i> , 2011, 2011, 1-9.	2.2	113
24	Motor learning transiently changes cortical somatotopy. <i>NeuroImage</i> , 2008, 40, 1748-1754.	4.2	109
25	Brain activation of lower extremity movement in chronically impaired stroke survivors. <i>NeuroImage</i> , 2005, 26, 184-194.	4.2	108
26	Self-directed arm therapy at home after stroke with a sensor-based virtual reality training system. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2016, 13, 75.	4.6	105
27	Dopaminergic Meso-Cortical Projections to M1: Role in Motor Learning and Motor Cortex Plasticity. <i>Frontiers in Neurology</i> , 2013, 4, 145.	2.4	100
28	The importance of pial blood supply to the development of peritumoral brain edema in meningiomas. <i>Journal of Neurosurgery</i> , 1997, 87, 368-373.	1.6	95
29	Ischemic Events Associated with Unruptured Intracranial Aneurysms: Multicenter Clinical Study and Review of the Literature. <i>Neurosurgery</i> , 2000, 46, 282-282.	1.1	94
30	Separable systems for recovery of finger strength and control after stroke. <i>Journal of Neurophysiology</i> , 2017, 118, 1151-1163.	1.8	94
31	Comparing motion- and imagery-related activation in the human cerebellum: A functional MRI study. <i>Human Brain Mapping</i> , 1998, 6, 105-113.	3.6	92
32	Neurofeedback-mediated self-regulation of the dopaminergic midbrain. <i>NeuroImage</i> , 2013, 83, 817-825.	4.2	90
33	Transcranial Laser Therapy in Acute Stroke Treatment. <i>Stroke</i> , 2014, 45, 3187-3193.	2.0	89
34	Modulation of rodent cortical motor excitability by somatosensory input. <i>Experimental Brain Research</i> , 2002, 142, 562-569.	1.5	87
35	Recanalization Therapies in Acute Ischemic Stroke Patients. <i>Circulation</i> , 2015, 132, 1261-1269.	1.6	85
36	Rethinking interhemispheric imbalance as a target for stroke neurorehabilitation. <i>Annals of Neurology</i> , 2019, 85, 502-513.	5.3	85

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37	Transcranial magnetic stimulation in the rat. <i>Experimental Brain Research</i> , 2001, 140, 112-121.	1.5	82
38	Neurophysiology of Robot-Mediated Training and Therapy: A Perspective for Future Use in Clinical Populations. <i>Frontiers in Neurology</i> , 2013, 4, 184.	2.4	82
39	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.	2.9	82
40	A new semiautomated, three-dimensional technique allowing precise quantification of total and regional cerebellar volume using MRI. <i>Magnetic Resonance in Medicine</i> , 1998, 40, 143-151.	3.0	77
41	Dopaminergic signals in primary motor cortex. <i>International Journal of Developmental Neuroscience</i> , 2009, 27, 415-421.	1.6	77
42	Risk Factors Associated With Injury Attributable to Falling Among Elderly Population With History of Stroke. <i>Stroke</i> , 2009, 40, 3286-3292.	2.0	74
43	Characterization of motor skill and instrumental learning time scales in a skilled reaching task in rat. <i>Behavioural Brain Research</i> , 2004, 155, 249-256.	2.2	71
44	Neutralization of Nogo-A Enhances Synaptic Plasticity in the Rodent Motor Cortex and Improves Motor Learning in Vivo. <i>Journal of Neuroscience</i> , 2014, 34, 8685-8698.	3.6	71
45	Magnetic resonance imaging in spinocerebellar ataxias. <i>Cerebellum</i> , 2008, 7, 204-214.	2.5	67
46	Aspirin versus anticoagulation in cervical artery dissection (TREAT-CAD): an open-label, randomised, non-inferiority trial. <i>Lancet Neurology</i> , The, 2021, 20, 341-350.	10.2	66
47	Reliability and exactness of MRI-based volumetry: A phantom study. <i>Journal of Magnetic Resonance Imaging</i> , 1996, 6, 700-704.	3.4	64
48	Improving activity recognition using a wearable barometric pressure sensor in mobility-impaired stroke patients. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2015, 12, 72.	4.6	64
49	Cardiac CT and echocardiographic evaluation of pericardial device flow after percutaneous left atrial appendage closure using the <i>AMPLATZER</i> cardiac plug device. <i>Catheterization and Cardiovascular Interventions</i> , 2015, 85, 306-312.	1.7	63
50	A method to qualitatively assess arm use in stroke survivors in the home environment. <i>Medical and Biological Engineering and Computing</i> , 2017, 55, 141-150.	2.8	63
51	Effects of an In-home Multicomponent Exergame Training on Physical Functions, Cognition, and Brain Volume of Older Adults: A Randomized Controlled Trial. <i>Frontiers in Medicine</i> , 2019, 6, 321.	2.6	62
52	Cortical stimulation mapping using epidurally implanted thin-film microelectrode arrays. <i>Journal of Neuroscience Methods</i> , 2007, 161, 118-125.	2.5	60
53	Staging Hemodynamic Failure With Blood Oxygen-Level-Dependent Functional Magnetic Resonance Imaging Cerebrovascular Reactivity. <i>Stroke</i> , 2018, 49, 621-629.	2.0	58
54	Predictors of Response to Treadmill Exercise in Stroke Survivors. <i>Neurorehabilitation and Neural Repair</i> , 2010, 24, 567-574.	2.9	57

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55	Who Should Be Screened for Asymptomatic Carotid Artery Stenosis? Experience From the Western New York Stroke Screening Program. <i>Journal of Neuroimaging</i> , 2001, 11, 105-111.	2.0	56
56	Consensus-Based Core Set of Outcome Measures for Clinical Motor Rehabilitation After Stroke—A Delphi Study. <i>Frontiers in Neurology</i> , 2020, 11, 875.	2.4	54
57	Visualization and quantification of disease progression in multiple system atrophy. <i>Movement Disorders</i> , 2006, 21, 1674-1681.	3.9	53
58	Dopamine Promotes Motor Cortex Plasticity and Motor Skill Learning via PLC Activation. <i>PLoS ONE</i> , 2015, 10, e0124986.	2.5	53
59	Modulation of motor cortex excitability by sustained peripheral stimulation: The interaction between the motor cortex and the cerebellum. <i>Cerebellum</i> , 2005, 4, 90-96.	2.5	52
60	Outcome of endovascular therapy in stroke with large vessel occlusion and mild symptoms. <i>Neurology</i> , 2019, 93, e1618-e1626.	1.1	49
61	Evidence for a subcortical origin of mirror movements after stroke: a longitudinal study. <i>Brain</i> , 2018, 141, 837-847.	7.6	47
62	Assessment-driven arm therapy at home using an IMU-based virtual reality system. , 2015, , .		45
63	Rivaroxaban plasma levels in acute ischemic stroke and intracerebral hemorrhage. <i>Annals of Neurology</i> , 2018, 83, 451-459.	5.3	45
64	Imaging the development of an ischemic core following photochemically induced cortical infarction in rats using Laser Speckle Contrast Analysis (LASCA). <i>NeuroImage</i> , 2006, 29, 38-45.	4.2	44
65	Objective Evaluation of the Quality of Movement in Daily Life after Stroke. <i>Frontiers in Bioengineering and Biotechnology</i> , 2015, 3, 210.	4.1	43
66	Rewarding feedback promotes motor skill consolidation via striatal activity. <i>Progress in Brain Research</i> , 2016, 229, 303-323.	1.4	42
67	Sensorimotor stroke alters hippocampo-thalamic network activity. <i>Scientific Reports</i> , 2018, 8, 15770.	3.3	42
68	Consequences of Stroke in Community-Dwelling Elderly. <i>Stroke</i> , 2011, 42, 1821-1825.	2.0	40
69	Lipoprotein(a) is associated with large artery atherosclerosis stroke aetiology and stroke recurrence among patients below the age of 60 years: results from the BIOSIGNAL study. <i>European Heart Journal</i> , 2021, 42, 2186-2196.	2.2	40
70	Iterative analysis of cerebrovascular reactivity dynamic response by temporal decomposition. <i>Brain and Behavior</i> , 2017, 7, e00705.	2.2	39
71	Autonomous rehabilitation at stroke patients home for balance and gait: safety, usability and compliance of a virtual reality system. <i>European Journal of Physical and Rehabilitation Medicine</i> , 2018, 54, 545-553.	2.2	39
72	Inertial Sensor Measurements of Upper-Limb Kinematics in Stroke Patients in Clinic and Home Environment. <i>Frontiers in Bioengineering and Biotechnology</i> , 2018, 6, 27.	4.1	39

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73	Augmented Reality-Based Rehabilitation of Gait Impairments: Case Report. JMIR MHealth and UHealth, 2020, 8, e17804.	3.7	38
74	BOLD cerebrovascular reactivity as a novel marker for crossed cerebellar diaschisis. Neurology, 2018, 91, e1328-e1337.	1.1	37
75	Comparing a Novel Neuroanimation Experience to Conventional Therapy for High-Dose Intensive Upper-Limb Training in Subacute Stroke: The SMARTS2 Randomized Trial. Neurorehabilitation and Neural Repair, 2021, 35, 393-405.	2.9	36
76	What the Proportional Recovery Rule Is (and Is Not): Methodological and Statistical Considerations. Neurorehabilitation and Neural Repair, 2019, 33, 876-887.	2.9	34
77	A novel biomarker-based prognostic score in acute ischemic stroke. Neurology, 2019, 92, e1517-e1525.	1.1	34
78	Modulation of excitability as an early change leading to structural adaptation in the motor cortex. Journal of Neuroscience Research, 2006, 83, 177-180.	2.9	33
79	Sequencing bilateral and unilateral task-oriented training versus task oriented training alone to improve arm function in individuals with chronic stroke. BMC Neurology, 2014, 14, 236.	1.8	33
80	Motor skill learning depends on protein synthesis in the dorsal striatum after training. Experimental Brain Research, 2010, 200, 319-323.	1.5	32
81	Topography and collateralization of dopaminergic projections to primary motor cortex in rats. Experimental Brain Research, 2015, 233, 1365-1375.	1.5	32
82	Emergency Extracranial-Intracranial Bypass to Revascularize Salvageable Brain Tissue in Acute Ischemic Stroke Patients. World Neurosurgery, 2018, 109, e476-e485.	1.3	32
83	Differential Poststroke Motor Recovery in an Arm Versus Hand Muscle in the Absence of Motor Evoked Potentials. Neurorehabilitation and Neural Repair, 2019, 33, 568-580.	2.9	32
84	Postoperative Hypotension after Carotid Angioplasty and Stenting: Report of Three Cases. Neurosurgery, 1999, 44, 1320-1323.	1.1	31
85	MicroRNA 150-5p Improves Risk Classification for Mortality within 90 Days after Acute Ischemic Stroke. Journal of Stroke, 2017, 19, 323-332.	3.2	30
86	Assessment of Upper Limb Movement Impairments after Stroke Using Wearable Inertial Sensing. Sensors, 2020, 20, 4770.	3.8	30
87	A data-driven framework for selecting and validating digital health metrics: use-case in neurological sensorimotor impairments. Npj Digital Medicine, 2020, 3, 80.	10.9	29
88	Association of prestroke metformin use, stroke severity, and thrombolysis outcome. Neurology, 2020, 95, e362-e373.	1.1	29
89	Motor skill learning and reward consumption differentially affect VTA activation. Scientific Reports, 2018, 8, 687.	3.3	28
90	Early Poststroke Rehabilitation Using a Robotic Tilt-Table Stepper and Functional Electrical Stimulation. Stroke Research and Treatment, 2013, 2013, 1-9.	0.8	27

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91	Endovascular therapy versus intravenous thrombolysis in cervical artery dissection ischemic stroke – Results from the SWISS registry. <i>European Stroke Journal</i> , 2018, 3, 47-56.	5.5	27
92	Landmark-referenced voxel-based analysis of diffusion tensor images of the brainstem white matter tracts. <i>NeuroImage</i> , 2009, 44, 906-913.	4.2	26
93	Usability Evaluation of a VibroTactile Feedback System in Stroke Subjects. <i>Frontiers in Bioengineering and Biotechnology</i> , 2016, 4, 98.	4.1	25
94	Impact of Smoking on Clinical Outcome and Recanalization After Intravenous Thrombolysis for Stroke. <i>Stroke</i> , 2018, 49, 1170-1175.	2.0	25
95	The Time of Maximum Post-Ischemic Hyperperfusion Indicates Infarct Growth Following Transient Experimental Ischemia. <i>PLoS ONE</i> , 2013, 8, e65322.	2.5	23
96	3-Nitropropionic Acid-Induced Ischemia Tolerance in the Rat Brain is Mediated by Reduced Metabolic Activity and Cerebral Blood Flow. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014, 34, 1522-1530.	4.3	23
97	No Impact of Body Mass Index on Outcome in Stroke Patients Treated with IV Thrombolysis BMI and IV Thrombolysis Outcome. <i>PLoS ONE</i> , 2016, 11, e0164413.	2.5	23
98	Repeated Intravenous Thrombolysis for Early Recurrent Stroke. <i>Stroke</i> , 2016, 47, 2133-2135.	2.0	23
99	Machine-learning-based outcome prediction in stroke patients with middle cerebral artery M1 occlusions and early thrombectomy. <i>European Journal of Neurology</i> , 2021, 28, 1234-1243.	3.3	23
100	Measures of Interjoint Coordination Post-stroke Across Different Upper Limb Movement Tasks. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 620805.	4.1	23
101	Effects of somatosensory electrical stimulation on neuronal injury after global hypoxia-ischemia. <i>Experimental Brain Research</i> , 2004, 158, 336-44.	1.5	22
102	Mesencephalic Corticospinal Atrophy Predicts Baseline Deficit but Not Response to Unilateral or Bilateral Arm Training in Chronic Stroke. <i>Neurorehabilitation and Neural Repair</i> , 2011, 25, 81-87.	2.9	22
103	Protein Synthesis Inhibition Blocks Consolidation of an Acrobatic Motor Skill. <i>Learning and Memory</i> , 2004, 11, 379-382.	1.3	21
104	A Robotic Platform to Assess, Guide and Perturb Rat Forelimb Movements. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2013, 21, 796-805.	4.9	21
105	Critique of A Very Early Rehabilitation Trial (AVERT). <i>Stroke</i> , 2016, 47, 291-292.	2.0	21
106	Midregional proatrial natriuretic peptide improves risk stratification after ischemic stroke. <i>Neurology</i> , 2018, 90, e455-e465.	1.1	21
107	Thin-film epidural microelectrode arrays for somatosensory and motor cortex mapping in rat. <i>Journal of Neuroscience Methods</i> , 2008, 172, 255-262.	2.5	20
108	A series of patients with subpial hemorrhage: Clinical manifestation, neuroradiological presentation and therapeutic implications. <i>Journal of Neurology</i> , 2008, 255, 1018-1022.	3.6	19

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109	Predictive value and reward in implicit classification learning. <i>Human Brain Mapping</i> , 2013, 34, 176-185.	3.6	19
110	Does motivation matter in upper-limb rehabilitation after stroke? ArmeoSenso-Reward: study protocol for a randomized controlled trial. <i>Trials</i> , 2017, 18, 580.	1.6	19
111	Technology-aided assessment of functionally relevant sensorimotor impairments in arm and hand of post-stroke individuals. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2020, 17, 128.	4.6	19
112	A Novel Soft Robotic Supernumerary Hand for Severely Affected Stroke Patients. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2020, 28, 1168-1177.	4.9	19
113	Ischemic stroke in COVID-19 patients: Mechanisms, treatment, and outcomes in a consecutive Swiss Stroke Registry analysis. <i>European Journal of Neurology</i> , 2022, 29, 732-743.	3.3	19
114	Speed of motor re-learning after experimental stroke depends on prior skill. <i>Experimental Brain Research</i> , 2007, 181, 359-365.	1.5	18
115	Transgenic overexpression of the alpha-synuclein interacting protein synphilin-1 leads to behavioral and neuropathological alterations in mice. <i>Neurogenetics</i> , 2010, 11, 107-120.	1.4	18
116	Dopaminergic modulation of receptive fields in rat sensorimotor cortex. <i>NeuroImage</i> , 2011, 54, 154-160.	4.2	18
117	Biphasic plasticity of dendritic fields in layer V motor neurons in response to motor learning. <i>Neurobiology of Learning and Memory</i> , 2015, 125, 189-194.	1.9	17
118	Management of brainstem haemorrhages. <i>Swiss Medical Weekly</i> , 2019, 149, w20062.	1.6	17
119	Measurement of Midregional Pro-Atrial Natriuretic Peptide to Discover Atrial Fibrillation in Patients With Ischemic Stroke. <i>Journal of the American College of Cardiology</i> , 2022, 79, 1369-1381.	2.8	17
120	Stroke Recovery—Moving in an EXCITE-ing Direction. <i>JAMA - Journal of the American Medical Association</i> , 2006, 296, 2141.	7.4	16
121	Task-Specific Motor Rehabilitation Therapy After Stroke Improves Performance in a Different Motor Task: Translational Evidence. <i>Translational Stroke Research</i> , 2017, 8, 347-350.	4.2	16
122	Encouragement-Induced Real-World Upper Limb Use after Stroke by a Tracking and Feedback Device: A Study Protocol for a Multi-Center, Assessor-Blinded, Randomized Controlled Trial. <i>Frontiers in Neurology</i> , 2018, 9, 13.	2.4	16
123	A functional analysis-based approach to quantify upper limb impairment level in chronic stroke patients: a pilot study. , 2019, 2019, 4198-4204.		16
124	Characterizing ipsilateral thalamic diaschisis in symptomatic cerebrovascular steno-occlusive patients. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 563-573.	4.3	16
125	SAA (Serum Amyloid A). <i>Stroke</i> , 2020, 51, 3523-3530.	2.0	16
126	Crossed Cerebellar Diaschisis Indicates Hemodynamic Compromise in Ischemic Stroke Patients. <i>Translational Stroke Research</i> , 2021, 12, 39-48.	4.2	16



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127	Classification of Stair Ascent and Descent in Stroke Patients. , 2014, , .		15
128	Contraceptive drugs mitigate experimental stroke-induced brain injury. Cardiovascular Research, 2019, 115, 637-646.	3.8	15
129	Early Restitution of Electrocardiogram Predicts Subsequent Behavioral Recovery from Cardiac Arrest. Journal of Clinical Neurophysiology, 2002, 19, 540-546.	1.7	14
130	Different Pattern of Clinical Deficits in Stroke Mimics Treated with Intravenous Thrombolysis. European Neurology, 2012, 68, 344-349.	1.4	14
131	Interhemispheric facilitation of gesturing: A combined theta burst stimulation and diffusion tensor imaging study. Brain Stimulation, 2020, 13, 457-463.	1.6	14
132	Acquisition of a High-precision Skilled Forelimb Reaching Task in Rats. Journal of Visualized Experiments, 2015, , e53010.	0.3	13
133	Ultrasound and Clinical Predictors of Recurrent Ischemia in Symptomatic Internal Carotid Artery Occlusion. Stroke, 2015, 46, 3274-3276.	2.0	13
134	Sub-processes of motor learning revealed by a robotic manipulandum for rodents. Behavioural Brain Research, 2015, 278, 569-576.	2.2	13
135	On the Modulation of Brain Activation During Simulated Weight Bearing in Supine Gait-Like Stepping. Brain Topography, 2016, 29, 193-205.	1.8	13
136	Reduced striatal activation in response to rewarding motor performance feedback after stroke. NeuroImage: Clinical, 2019, 24, 102036.	2.7	13
137	Circle of Willis variants and their association with outcome in patients with middle cerebral arteryâ€M1â€Occlusion stroke. European Journal of Neurology, 2021, 28, 3682-3691.	3.3	13
138	Role of walking-exercise therapy after stroke. Expert Review of Cardiovascular Therapy, 2009, 7, 905-910.	1.5	12
139	Temporal course of gene expression during motor memory formation in primary motor cortex of rats. Neurobiology of Learning and Memory, 2016, 136, 105-115.	1.9	12
140	Reward During Arm Training Improves Impairment and Activity After Stroke: A Randomized Controlled Trial. Neurorehabilitation and Neural Repair, 2022, 36, 140-150.	2.9	12
141	Etiology, 3-Month Functional Outcome and Recurrent Events in Non-Traumatic Intracerebral Hemorrhage. Journal of Stroke, 2022, 24, 266-277.	3.2	12
142	A Comprehensive Neurorehabilitation Program Should be an Integral Part of a Comprehensive Stroke Center. Frontiers in Neurology, 2014, 5, 57.	2.4	11
143	Impaired implicit learning and feedback processing after stroke. Neuroscience, 2016, 314, 116-124.	2.3	10
144	Post-stroke exercise rehabilitation: What we know about retraining the motor system and how it may apply to retraining the heart. Cleveland Clinic Journal of Medicine, 2008, 75, S83-S86.	1.3	10

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145	Association of the COVID-19 outbreak with acute stroke care in Switzerland. <i>European Journal of Neurology</i> , 2022, 29, 724-731.	3.3	10
146	Characterization of stroke-related upper limb motor impairments across various upper limb activities by use of kinematic core set measures. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2022, 19, 2.	4.6	10
147	Flow augmentation STA-MCA bypass evaluation for patients with acute stroke and unilateral large vessel occlusion: a proposal for an urgent bypass flowchart. <i>Journal of Neurosurgery</i> , 2022, 137, 1047-1055.	1.6	10
148	Intra-arterial Administration of Papaverine during Mechanical Thrombectomy for Acute Ischemic Stroke. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2015, 24, 41-47.	1.6	9
149	Cancer is associated with inferior outcome in patients with ischemic stroke. <i>Journal of Neurology</i> , 2021, 268, 4190-4202.	3.6	9
150	Mapping Cerebrovascular Reactivity Impairment in Patients With Symptomatic Unilateral Carotid Artery Disease. <i>Journal of the American Heart Association</i> , 2021, 10, e020792.	3.7	9
151	Daily Life Upper Limb Activity for Patients with Match and Mismatch between Observed Function and Perceived Activity in the Chronic Phase Post Stroke. <i>Sensors</i> , 2021, 21, 5917.	3.8	9
152	Economic Impact of Poststroke Delirium and Associated Risk Factors. <i>Stroke</i> , 2021, 52, 3325-3334.	2.0	9
153	Rehabilitation and Plasticity. <i>Frontiers of Neurology and Neuroscience</i> , 2013, 32, 88-94.	2.8	8
154	Clinical Application of Robotics and Technology in the Restoration of Walking. , 2016, , 223-248.		8
155	Eligibility Screening for an Early Upper Limb Stroke Rehabilitation Study. <i>Frontiers in Neurology</i> , 2019, 10, 683.	2.4	8
156	A Full Body Sensing System for Monitoring Stroke Patients in a Home Environment. <i>Communications in Computer and Information Science</i> , 2015, , 378-393.	0.5	8
157	Fluoxetine and motor recovery after ischaemic stroke. <i>Lancet Neurology</i> , The, 2011, 10, 499-500.	10.2	7
158	Can simple error sonification in combination with music help improve accuracy in upper limb movements?., 2012, , .		7
159	Substance P signalling in primary motor cortex facilitates motor learning in rats. <i>PLoS ONE</i> , 2017, 12, e0189812.	2.5	7
160	Cortical slow wave activity correlates with striatal synaptic strength in normal but not in Parkinsonian rats. <i>Experimental Neurology</i> , 2018, 301, 50-58.	4.1	7
161	Biomarkers and antithrombotic treatment in cervical artery dissection – Design of the TREAT-CAD randomised trial. <i>European Stroke Journal</i> , 2020, 5, 309-319.	5.5	7
162	Increased Ipsilateral Posterior Cerebral Artery P2-Segment Flow Velocity Predicts Hemodynamic Impairment. <i>Stroke</i> , 2021, 52, 1469-1472.	2.0	7

#	ARTICLE	IF	CITATIONS
163	Using Wearable Inertial Sensors to Estimate Clinical Scores of Upper Limb Movement Quality in Stroke. <i>Frontiers in Physiology</i> , 2022, 13, 877563.	2.8	7
164	Early adaptations in somatosensory cortex after focal ischemic injury to motor cortex. <i>Experimental Brain Research</i> , 2006, 168, 178-185.	1.5	6
165	Elderly adults show higher ventral striatal activation in response to motor performance related rewards than young adults. <i>Neuroscience Letters</i> , 2017, 661, 18-22.	2.1	6
166	Motor Learning Induces Profound but Delayed Dendritic Plasticity in M1 Layer II/III Pyramidal Neurons. <i>Neuroscience</i> , 2020, 442, 17-28.	2.3	6
167	Endovascular Treatment for Acute Ischemic Stroke With or Without General Anesthesia: A Matched Comparison. <i>Stroke</i> , 2022, 53, 1520-1529.	2.0	6
168	<scp>Magnetic Resonance Imaging</scp> or <scp>Computed Tomography</scp> for Suspected Acute Stroke: Association of Admission Image Modality with Acute Recanalization Therapies, Workflow Metrics, and Outcomes. <i>Annals of Neurology</i> , 2022, 92, 184-194.	5.3	6
169	Independent Prognostic Value of MRproANP (Midregional Proatrial Natriuretic Peptide) Levels in Patients With Stroke Is Unaltered Over Time. <i>Stroke</i> , 2020, 51, 1873-1875.	2.0	5
170	No evidence for motor-recovery-related cortical connectivity changes after stroke using resting-state fMRI. <i>Journal of Neurophysiology</i> , 2022, 127, 637-650.	1.8	5
171	Biphasic Cerebral Blood Flow Velocity Profile in Patients With Aneurysmal Subarachnoid Hemorrhage. <i>Neurocritical Care</i> , 2004, 1, 455-460.	2.4	4
172	Statistical Mapping of Speckle Autocorrelation for Visualization of Hyperaemic Responses to Cortical Stimulation. <i>Annals of Biomedical Engineering</i> , 2006, 34, 1107-1118.	2.5	4
173	EndoVascular treatment and Thrombolysis for Ischemic Stroke Patients (EVA-TRISP) registry: basis and methodology of a pan-European prospective ischaemic stroke revascularisation treatment registry. <i>BMJ Open</i> , 2021, 11, e042211.	1.9	4
174	Rationale and design of XARENO: XA inhibition in RENal patients with non-valvular atrial fibrillation. Observational registry. <i>Kardiologia Polska</i> , 2021, 79, 1265-1267.	0.6	4
175	A novel biomarker panel index improves risk stratification after ischemic stroke. <i>European Stroke Journal</i> , 0, , 239698732210907.	5.5	4
176	Thrombolysis in stroke patients with elevated inflammatory markers. <i>Journal of Neurology</i> , 2022, 269, 5405-5419.	3.6	4
177	Closing PFO closure for migraine?. <i>European Heart Journal</i> , 2016, 37, 2037-2039.	2.2	3
178	Automated and Quantitative Assessment of Tactile Mislocalization After Stroke. <i>Frontiers in Neurology</i> , 2019, 10, 593.	2.4	3
179	Proenkephalin A Adds No Incremental Prognostic Value After Acute Ischemic Stroke. <i>Clinical and Applied Thrombosis/Hemostasis</i> , 2020, 26, 107602961989531.	1.7	3
180	C-Terminal-Pro-Endothelin-1 Adds Incremental Prognostic Value for Risk Stratification After Ischemic Stroke. <i>Frontiers in Neurology</i> , 2020, 11, 629151.	2.4	3

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182	Agreement of novel hemodynamic imaging parameters for the acute and chronic stages of ischemic stroke: a matched-pair cohort study. <i>Neurosurgical Focus</i> , 2021, 51, E12.	2.3	3
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184	Protein Synthesis Inhibition in the Peri-Infarct Cortex Slows Motor Recovery in Rats. <i>PLoS ONE</i> , 2016, 11, e0157859.	2.5	3
185	Evolution and prediction of mismatch between observed and perceived upper limb function after stroke: a prospective, longitudinal, observational cohort study. <i>BMC Neurology</i> , 2021, 21, 488.	1.8	3
186	Atrial myxoma as a trigger of migraine with aura – pathophysiological considerations. <i>Cephalalgia</i> , 2010, 30, 1149-1150.	3.9	2
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188	The subthalamic nucleus modulates the early phase of probabilistic classification learning. <i>Experimental Brain Research</i> , 2014, 232, 2255-2262.	1.5	2
189	The effect of surgery and intracerebral injections on motor skill learning in rats: results from a database analysis. <i>Behavioural Brain Research</i> , 2016, 313, 310-314.	2.2	2
190	Prior Stroke in PFO Patients Is Associated With Both PFO-Related and -Unrelated Factors. <i>Frontiers in Neurology</i> , 2020, 11, 503.	2.4	2
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196	A model for storage and retrieval of theoretical medical knowledge. <i>The Journal of Audiovisual Media in Medicine</i> , 1996, 19, 63-67.	0.1	0
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