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	Ischemic stroke in COVIDâ€19 patients: Mechanisms, treatment, and outcomes in a consecutive Swiss Stroke Registry analysis. European Journal of Neurology, 2022, 29, 732-743.	3.3	19
2	Association of the COVIDâ€19 outbreak with acute stroke care in Switzerland. European Journal of Neurology, 2022, 29, 724-731.	3.3	10
3	Characterization of stroke-related upper limb motor impairments across various upper limb activities by use of kinematic core set measures. Journal of NeuroEngineering and Rehabilitation, 2022, 19, 2.	4.6	10
4	Flow augmentation STA-MCA bypass evaluation for patients with acute stroke and unilateral large vessel occlusion: a proposal for an urgent bypass flowchart. Journal of Neurosurgery, 2022, 137, 1047-1055.	1.6	10
5	Endovascular Treatment for Acute Ischemic Stroke With or Without General Anesthesia: A Matched Comparison. Stroke, 2022, 53, 1520-1529.	2.0	6
6	No evidence for motor-recovery-related cortical connectivity changes after stroke using resting-state fMRI. Journal of Neurophysiology, 2022, 127, 637-650.	1.8	5
7	Measurement of Midregional Pro-Atrial Natriuretic Peptide to Discover AtrialÂFibrillation in Patients With IschemicÂStroke. Journal of the American College of Cardiology, 2022, 79, 1369-1381.	2.8	17
8	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
9	Using Wearable Inertial Sensors to Estimate Clinical Scores of Upper Limb Movement Quality in Stroke. Frontiers in Physiology, 2022, 13, 877563.	2.8	7
10	Resilience to a Second Stroke: A Novel Concept in Recovery Research. Stroke, 2022, 53, 2048-2049.	2.0	0
11	External Validation of the Early Prediction of Functional Outcome After Stroke Prediction Model for Independent Gait at 3 Months After Stroke. Frontiers in Neurology, 2022, 13, 797791.	2.4	1
12	<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. Annals of Neurology, 2022, 92, 184-194.	5.3	6
13	Etiology, 3-Month Functional Outcome and Recurrent Events in Non-Traumatic Intracerebral Hemorrhage. Journal of Stroke, 2022, 24, 266-277.	3.2	12
14	Thrombolysis in stroke patients with elevated inflammatory markers. Journal of Neurology, 2022, 269, 5405-5419.	3.6	4
15	Crossed Cerebellar Diaschisis Indicates Hemodynamic Compromise in Ischemic Stroke Patients. Translational Stroke Research, 2021, 12, 39-48.	4.2	16
16	Machineâ€learningâ€based outcome prediction in stroke patients with middle cerebral arteryâ€M1 occlusions and early thrombectomy. European Journal of Neurology, 2021, 28, 1234-1243.	3.3	23
17	Swiss guidelines for the prehospital phase in suspected acute stroke. Clinical and Translational Neuroscience, 2021, 5, 2514183X2199923.	0.9	0
18	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. European Heart Journal, 2021, 42, 2186-2196.	2.2	40

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19	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
20	Cancer is associated with inferior outcome in patients with ischemic stroke. Journal of Neurology, 2021, 268, 4190-4202.	3.6	9
21	Aspirin versus anticoagulation in cervical artery dissection (TREAT-CAD): an open-label, randomised, non-inferiority trial. Lancet Neurology, The, 2021, 20, 341-350.	10.2	66
22	Mapping Cerebrovascular Reactivity Impairment in Patients With Symptomatic Unilateral Carotid Artery Disease. Journal of the American Heart Association, 2021, 10, e020792.	3.7	9
23	Flow-augmentation bypass in the treatment of acute ischemic stroke. Journal of Neurosurgical Sciences, 2021, 65, 269-276.	0.6	3
24	Endovascular treatment of acute ischemic stroke. Journal of Neurosurgical Sciences, 2021, 65, 259-268.	0.6	1
25	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
26	Agreement of novel hemodynamic imaging parameters for the acute and chronic stages of ischemic stroke: a matched-pair cohort study. Neurosurgical Focus, 2021, 51, E12.	2.3	3
27	EndoVAscular treatment and ThRombolysis for Ischemic Stroke Patients (EVA-TRISP) registry: basis and methodology of a pan-European prospective ischaemic stroke revascularisation treatment registry. BMJ Open, 2021, 11, e042211.	1.9	4
28	Quantitative susceptibility mapping in ischemic stroke patients after successful recanalization. Scientific Reports, 2021, 11, 16038.	3.3	3
29	Daily Life Upper Limb Activity for Patients with Match and Mismatch between Observed Function and Perceived Activity in the Chronic Phase Post Stroke. Sensors, 2021, 21, 5917.	3.8	9
30	Economic Impact of Poststroke Delirium and Associated Risk Factors. Stroke, 2021, 52, 3325-3334.	2.0	9
31	Rationale and design of XARENO: XA inhibition in RENal patients with non-valvular atrial fibrillation. Observational registry. Kardiologia Polska, 2021, 79, 1265-1267.	0.6	4
32	Evolution and prediction of mismatch between observed and perceived upper limb function after stroke: a prospective, longitudinal, observational cohort study. BMC Neurology, 2021, 21, 488.	1.8	3
33	Increased Ipsilateral Posterior Cerebral Artery P2-Segment Flow Velocity Predicts Hemodynamic Impairment. Stroke, 2021, 52, 1469-1472.	2.0	7
34	Characterizing ipsilateral thalamic diaschisis in symptomatic cerebrovascular steno-occlusive patients. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, 563-573.	4.3	16
35	Interhemispheric facilitation of gesturing: A combined theta burst stimulation and diffusion tensor imaging study. Brain Stimulation, 2020, 13, 457-463.	1.6	14
36	Technology-aided assessment of functionally relevant sensorimotor impairments in arm and hand of post-stroke individuals. Journal of NeuroEngineering and Rehabilitation, 2020, 17, 128.	4.6	19

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37	Neutrophils Obstructing Brain Capillaries Are a Major Cause of No-Reflow in Ischemic Stroke. Cell Reports, 2020, 33, 108260.	6.4	129
38	Biomarkers and antithrombotic treatment in cervical artery dissection â€“ Design of the TREAT-CAD randomised trial. European Stroke Journal, 2020, 5, 309-319.	5.5	7
39	Assessment of Upper Limb Movement Impairments after Stroke Using Wearable Inertial Sensing. Sensors, 2020, 20, 4770.	3.8	30
40	Consensus-Based Core Set of Outcome Measures for Clinical Motor Rehabilitation After Strokeâ€”A Delphi Study. Frontiers in Neurology, 2020, 11, 875.	2.4	54
41	SAA (Serum Amyloid A). Stroke, 2020, 51, 3523-3530.	2.0	16
42	A Novel Soft Robotic Supernumerary Hand for Severely Affected Stroke Patients. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 1168-1177.	4.9	19
43	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
44	Embolization of tumor cells is rare in patients with systemic cancer and cerebral large vessel occlusion. European Journal of Neurology, 2020, 27, 2041-2046.	3.3	1
45	Prior Stroke in PFO Patients Is Associated With Both PFO-Related and -Unrelated Factors. Frontiers in Neurology, 2020, 11, 503.	2.4	2
46	Independent Prognostic Value of MRproANP (Midregional Proatrial Natriuretic Peptide) Levels in Patients With Stroke Is Unaltered Over Time. Stroke, 2020, 51, 1873-1875.	2.0	5
47	Proenkephalin A Adds No Incremental Prognostic Value After Acute Ischemic Stroke. Clinical and Applied Thrombosis/Hemostasis, 2020, 26, 107602961989531.	1.7	3
48	Association of prestroke metformin use, stroke severity, and thrombolysis outcome. Neurology, 2020, 95, e362-e373.	1.1	29
49	Motor Learning Induces Profound but Delayed Dendritic Plasticity in M1 Layer II/III Pyramidal Neurons. Neuroscience, 2020, 442, 17-28.	2.3	6
50	C-Terminal-Pro-Endothelin-1 Adds Incremental Prognostic Value for Risk Stratification After Ischemic Stroke. Frontiers in Neurology, 2020, 11, 629151.	2.4	3
51	Measures of Interjoint Coordination Post-stroke Across Different Upper Limb Movement Tasks. Frontiers in Bioengineering and Biotechnology, 2020, 8, 620805.	4.1	23
52	Augmented Realityâ€“Based Rehabilitation of Gait Impairments: Case Report. JMIR MHealth and UHealth, 2020, 8, e17804.	3.7	38
53	Eligibility Screening for an Early Upper Limb Stroke Rehabilitation Study. Frontiers in Neurology, 2019, 10, 683.	2.4	8
54	Reduced striatal activation in response to rewarding motor performance feedback after stroke. NeuroImage: Clinical, 2019, 24, 102036.	2.7	13

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55	Outcome of endovascular therapy in stroke with large vessel occlusion and mild symptoms. Neurology, 2019, 93, e1618-e1626.	1.1	49
56	Automated and Quantitative Assessment of Tactile Mislocalization After Stroke. Frontiers in Neurology, 2019, 10, 593.	2.4	3
57	What the Proportional Recovery Rule Is (and Is Not): Methodological and Statistical Considerations. Neurorehabilitation and Neural Repair, 2019, 33, 876-887.	2.9	34
58	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
59	A novel biomarker-based prognostic score in acute ischemic stroke. Neurology, 2019, 92, e1517-e1525.	1.1	34
60	Rethinking interhemispheric imbalance as a target for stroke neurorehabilitation. Annals of Neurology, 2019, 85, 502-513.	5.3	85
61	Systematic Review on Kinematic Assessments of Upper Limb Movements After Stroke. Stroke, 2019, 50, 718-727.	2.0	172
62	A functional analysis-based approach to quantify upper limb impairment level in chronic stroke patients: a pilot study. , 2019, 2019, 4198-4204.		16
63	Reply: Further evidence for a non-cortical origin of mirror movements after stroke. Brain, 2019, 142, e2-e2.	7.6	0
64	Contraceptive drugs mitigate experimental stroke-induced brain injury. Cardiovascular Research, 2019, 115, 637-646.	3.8	15
65	Effects of an In-home Multicomponent Exergame Training on Physical Functions, Cognition, and Brain Volume of Older Adults: A Randomized Controlled Trial. Frontiers in Medicine, 2019, 6, 321.	2.6	62
66	Management of brainstem haemorrhages. Swiss Medical Weekly, 2019, 149, w20062.	1.6	17
67	Measurement of Upper Limb Function During Daily Life After Stroke. Biosystems and Biorobotics, 2019, , 307-311.	0.3	0
68	Impact of Smoking on Clinical Outcome and Recanalization After Intravenous Thrombolysis for Stroke. Stroke, 2018, 49, 1170-1175.	2.0	25
69	Rivaroxaban plasma levels in acute ischemic stroke and intracerebral hemorrhage. Annals of Neurology, 2018, 83, 451-459.	5.3	45
70	Staging Hemodynamic Failure With Blood Oxygen-Levelâ€“Dependent Functional Magnetic Resonance Imaging Cerebrovascular Reactivity. Stroke, 2018, 49, 621-629.	2.0	58
71	Evidence for a subcortical origin of mirror movements after stroke: a longitudinal study. Brain, 2018, 141, 837-847.	7.6	47
72	Cortical slow wave activity correlates with striatal synaptic strength in normal but not in Parkinsonian rats. Experimental Neurology, 2018, 301, 50-58.	4.1	7

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73	Motor skill learning and reward consumption differentially affect VTA activation. Scientific Reports, 2018, 8, 687.	3.3	28
74	Midregional proatrial natriuretic peptide improves risk stratification after ischemic stroke. Neurology, 2018, 90, e455-e465.	1.1	21
75	Endovascular therapy versus intravenous thrombolysis in cervical artery dissection ischemic stroke â€“ Results from the SWISS registry. European Stroke Journal, 2018, 3, 47-56.	5.5	27
76	Emergency Extracranial-Intracranial Bypass to Revascularize Salvageable Brain Tissue in Acute Ischemic Stroke Patients. World Neurosurgery, 2018, 109, e476-e485.	1.3	32
77	Sensorimotor stroke alters hippocampo-thalamic network activity. Scientific Reports, 2018, 8, 15770.	3.3	42
78	BOLD cerebrovascular reactivity as a novel marker for crossed cerebellar diaschisis. Neurology, 2018, 91, e1328-e1337.	1.1	37
79	Global Burden of Stroke. Seminars in Neurology, 2018, 38, 208-211.	1.4	1,247
80	Autonomous rehabilitation at stroke patients home for balance and gait: safety, usability and compliance of a virtual reality system. European Journal of Physical and Rehabilitation Medicine, 2018, 54, 545-553.	2.2	39
81	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. Frontiers in Neurology, 2018, 9, 13.	2.4	16
82	Inertial Sensor Measurements of Upper-Limb Kinematics in Stroke Patients in Clinic and Home Environment. Frontiers in Bioengineering and Biotechnology, 2018, 6, 27.	4.1	39
83	Abstract WP41: Endovascular Therapy versus Intravenous Thrombolysis in Cervical Artery Dissection Ischemic Stroke - A Systematic Review and Meta-analysis and Results From the Swiss Registry. Stroke, 2018, 49, .	2.0	0
84	A method to qualitatively assess arm use in stroke survivors in the home environment. Medical and Biological Engineering and Computing, 2017, 55, 141-150.	2.8	63
85	Task-Specific Motor Rehabilitation Therapy After Stroke Improves Performance in a Different Motor Task: Translational Evidence. Translational Stroke Research, 2017, 8, 347-350.	4.2	16
86	Separable systems for recovery of finger strength and control after stroke. Journal of Neurophysiology, 2017, 118, 1151-1163.	1.8	94
87	A Short and Distinct Time Window for Recovery of Arm Motor Control Early After Stroke Revealed With a Global Measure of Trajectory Kinematics. Neurorehabilitation and Neural Repair, 2017, 31, 552-560.	2.9	82
88	Elderly adults show higher ventral striatal activation in response to motor performance related rewards than young adults. Neuroscience Letters, 2017, 661, 18-22.	2.1	6
89	Investigating Motor Skill Learning Processes with a Robotic Manipulandum. Journal of Visualized Experiments, 2017, , .	0.3	1
90	Iterative analysis of cerebrovascular reactivity dynamic response by temporal decomposition. Brain and Behavior, 2017, 7, e00705.	2.2	39

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91	Substance P signalling in primary motor cortex facilitates motor learning in rats. PLoS ONE, 2017, 12, e0189812.	2.5	7
92	Does motivation matter in upper-limb rehabilitation after stroke? ArmeoSenso-Reward: study protocol for a randomized controlled trial. Trials, 2017, 18, 580.	1.6	19
93	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
94	Rewarding feedback promotes motor skill consolidation via striatal activity. Progress in Brain Research, 2016, 229, 303-323.	1.4	42
95	No Impact of Body Mass Index on Outcome in Stroke Patients Treated with IV Thrombolysis BMI and IV Thrombolysis Outcome. PLoS ONE, 2016, 11, e0164413.	2.5	23
96	Repeated Intravenous Thrombolysis for Early Recurrent Stroke. Stroke, 2016, 47, 2133-2135.	2.0	23
97	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
98	The effect of surgery and intracerebral injections on motor skill learning in rats: results from a database analysis. Behavioural Brain Research, 2016, 313, 310-314.	2.2	2
99	Clinical Application of Robotics and Technology in the Restoration of Walking. , 2016, , 223-248.		8
100	Self-directed arm therapy at home after stroke with a sensor-based virtual reality training system. Journal of NeuroEngineering and Rehabilitation, 2016, 13, 75.	4.6	105
101	Closing PFO closure for migraine?. European Heart Journal, 2016, 37, 2037-2039.	2.2	3
102	Critique of A Very Early Rehabilitation Trial (AVERT). Stroke, 2016, 47, 291-292.	2.0	21
103	Impaired implicit learning and feedback processing after stroke. Neuroscience, 2016, 314, 116-124.	2.3	10
104	On the Modulation of Brain Activation During Simulated Weight Bearing in Supine Gait-Like Stepping. Brain Topography, 2016, 29, 193-205.	1.8	13
105	Usability Evaluation of a VibroTactile Feedback System in Stroke Subjects. Frontiers in Bioengineering and Biotechnology, 2016, 4, 98.	4.1	25
106	Protein Synthesis Inhibition in the Peri-Infarct Cortex Slows Motor Recovery in Rats. PLoS ONE, 2016, 11, e0157859.	2.5	3
107	Acquisition of a High-precision Skilled Forelimb Reaching Task in Rats. Journal of Visualized Experiments, 2015, , e53010.	0.3	13
108	Improving activity recognition using a wearable barometric pressure sensor in mobility-impaired stroke patients. Journal of NeuroEngineering and Rehabilitation, 2015, 12, 72.	4.6	64

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109	Cardiac CT and echocardiographic evaluation of periâ€device flow after percutaneous left atrial appendage closure using the <scp>AMPLATZER</scp> cardiac plug device. Catheterization and Cardiovascular Interventions, 2015, 85, 306-312.	1.7	63
110	Dopamine Promotes Motor Cortex Plasticity and Motor Skill Learning via PLC Activation. PLoS ONE, 2015, 10, e0124986.	2.5	53
111	Assessment-driven arm therapy at home using an IMU-based virtual reality system. , 2015, , .		45
112	Intra-arterial Administration of Papaverine during Mechanical Thrombectomy for Acute Ischemic Stroke. Journal of Stroke and Cerebrovascular Diseases, 2015, 24, 41-47.	1.6	9
113	Topography and collateralization of dopaminergic projections to primary motor cortex in rats. Experimental Brain Research, 2015, 233, 1365-1375.	1.5	32
114	Accuracy of the ABC/2 Score for Intracerebral Hemorrhage. Stroke, 2015, 46, 2470-2476.	2.0	125
115	Ultrasound and Clinical Predictors of Recurrent Ischemia in Symptomatic Internal Carotid Artery Occlusion. Stroke, 2015, 46, 3274-3276.	2.0	13
116	Recanalization Therapies in Acute Ischemic Stroke Patients. Circulation, 2015, 132, 1261-1269.	1.6	85
117	Biphasic plasticity of dendritic fields in layer V motor neurons in response to motor learning. Neurobiology of Learning and Memory, 2015, 125, 189-194.	1.9	17
118	Sub-processes of motor learning revealed by a robotic manipulandum for rodents. Behavioural Brain Research, 2015, 278, 569-576.	2.2	13
119	Objective Evaluation of the Quality of Movement in Daily Life after Stroke. Frontiers in Bioengineering and Biotechnology, 2015, 3, 210.	4.1	43
120	A Full Body Sensing System for Monitoring Stroke Patients in a Home Environment. Communications in Computer and Information Science, 2015, , 378-393.	0.5	8
121	A Comprehensive Neurorehabilitation Program Should be an Integral Part of a Comprehensive Stroke Center. Frontiers in Neurology, 2014, 5, 57.	2.4	11
122	Classification of Stair Ascent and Descent in Stroke Patients. , 2014, , .		15
123	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
124	Neutralization of Nogo-A Enhances Synaptic Plasticity in the Rodent Motor Cortex and Improves Motor Learning in Vivo. Journal of Neuroscience, 2014, 34, 8685-8698.	3.6	71
125	Three-dimensional, task-specific robot therapy of the arm after stroke: a multicentre, parallel-group randomised trial. Lancet Neurology, The, 2014, 13, 159-166.	10.2	473
126	Transcranial Laser Therapy in Acute Stroke Treatment. Stroke, 2014, 45, 3187-3193.	2.0	89

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127	3-Nitropropionic Acid-Induced Ischemia Tolerance in the Rat Brain is Mediated by Reduced Metabolic Activity and Cerebral Blood Flow. Journal of Cerebral Blood Flow and Metabolism, 2014, 34, 1522-1530.	4.3	23
128	The subthalamic nucleus modulates the early phase of probabilistic classification learning. Experimental Brain Research, 2014, 232, 2255-2262.	1.5	2
129	Predictive value and reward in implicit classification learning. Human Brain Mapping, 2013, 34, 176-185.	3.6	19
130	Neurofeedback-mediated self-regulation of the dopaminergic midbrain. NeuroImage, 2013, 83, 817-825.	4.2	90
131	A Robotic Platform to Assess, Guide and Perturb Rat Forelimb Movements. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2013, 21, 796-805.	4.9	21
132	Rehabilitation and Plasticity. Frontiers of Neurology and Neuroscience, 2013, 32, 88-94.	2.8	8
133	Early Poststroke Rehabilitation Using a Robotic Tilt-Table Stepper and Functional Electrical Stimulation. Stroke Research and Treatment, 2013, 2013, 1-9.	0.8	27
134	Neurophysiology of Robot-Mediated Training and Therapy: A Perspective for Future Use in Clinical Populations. Frontiers in Neurology, 2013, 4, 184.	2.4	82
135	The Time of Maximum Post-Ischemic Hyperperfusion Indicates Infarct Growth Following Transient Experimental Ischemia. PLoS ONE, 2013, 8, e65322.	2.5	23
136	Dopaminergic Meso-Cortical Projections to M1: Role in Motor Learning and Motor Cortex Plasticity. Frontiers in Neurology, 2013, 4, 145.	2.4	100
137	Can simple error sonification in combination with music help improve accuracy in upper limb movements?. , 2012, , .		7
138	Different Pattern of Clinical Deficits in Stroke Mimics Treated with Intravenous Thrombolysis. European Neurology, 2012, 68, 344-349.	1.4	14
139	How to gain evidence in neurorehabilitation: a personal view. Biomedizinische Technik, 2012, 57, 427-33.	0.8	0
140	Chronic Stroke Survivors Benefit From High-Intensity Aerobic Treadmill Exercise. Neurorehabilitation and Neural Repair, 2012, 26, 85-95.	2.9	178
141	Direct Diagnosis is Superior to Risk Factor Prediction Tools for Management of Vessel Wall Disease. Frontiers in Neurology, 2012, 3, 36.	2.4	2
142	Bilateral and Unilateral Arm Training Improve Motor Function Through Differing Neuroplastic Mechanisms. Neurorehabilitation and Neural Repair, 2011, 25, 118-129.	2.9	160
143	Dopaminergic modulation of receptive fields in rat sensorimotor cortex. NeuroImage, 2011, 54, 154-160.	4.2	18
144	Sport helps to prevent strokes. Aging Health, 2011, 7, 801-802.	0.3	0

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145	Fluoxetine and motor recovery after ischaemic stroke. Lancet Neurology, The, 2011, 10, 499-500.	10.2	7
146	Mesencephalic Corticospinal Atrophy Predicts Baseline Deficit but Not Response to Unilateral or Bilateral Arm Training in Chronic Stroke. Neurorehabilitation and Neural Repair, 2011, 25, 81-87.	2.9	22
147	Consequences of Stroke in Community-Dwelling Elderly. Stroke, 2011, 42, 1821-1825.	2.0	40
148	Dopaminergic Projections from Midbrain to Primary Motor Cortex Mediate Motor Skill Learning. Journal of Neuroscience, 2011, 31, 2481-2487.	3.6	332
149	Cortical Plasticity during Motor Learning and Recovery after Ischemic Stroke. Neural Plasticity, 2011, 2011, 1-9.	2.2	113
150	Motor skill learning depends on protein synthesis in the dorsal striatum after training. Experimental Brain Research, 2010, 200, 319-323.	1.5	32
151	Transgenic overexpression of the alpha-synuclein interacting protein synphilin-1 leads to behavioral and neuropathological alterations in mice. Neurogenetics, 2010, 11, 107-120.	1.4	18
152	Predictors of Response to Treadmill Exercise in Stroke Survivors. Neurorehabilitation and Neural Repair, 2010, 24, 567-574.	2.9	57
153	Atrial myxoma as a trigger of migraine with aura â€“ pathophysiological considerations. Cephalalgia, 2010, 30, 1149-1150.	3.9	2
154	Dopamine in Motor Cortex Is Necessary for Skill Learning and Synaptic Plasticity. PLoS ONE, 2009, 4, e7082.	2.5	300
155	Role of walking-exercise therapy after stroke. Expert Review of Cardiovascular Therapy, 2009, 7, 905-910.	1.5	12
156	Risk Factors Associated With Injury Attributable to Falling Among Elderly Population With History of Stroke. Stroke, 2009, 40, 3286-3292.	2.0	74
157	Neurology of the Newborn. JAMA - Journal of the American Medical Association, 2009, 302, 2600.	7.4	0
158	Dopaminergic signals in primary motor cortex. International Journal of Developmental Neuroscience, 2009, 27, 415-421.	1.6	77
159	Landmark-referenced voxel-based analysis of diffusion tensor images of the brainstem white matter tracts. NeuroImage, 2009, 44, 906-913.	4.2	26
160	Magnetic resonance imaging in spinocerebellar ataxias. Cerebellum, 2008, 7, 204-214.	2.5	67
161	A series of patients with subpial hemorrhage: Clinical manifestation, neuroradiological presentation and therapeutic implications. Journal of Neurology, 2008, 255, 1018-1022.	3.6	19
162	Thin-film epidural microelectrode arrays for somatosensory and motor cortex mapping in rat. Journal of Neuroscience Methods, 2008, 172, 255-262.	2.5	20

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163	Motor learning transiently changes cortical somatotopy. NeuroImage, 2008, 40, 1748-1754.	4.2	109
164	Treadmill Exercise Activates Subcortical Neural Networks and Improves Walking After Stroke. Stroke, 2008, 39, 3341-3350.	2.0	241
165	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
166	Magnetic resonance imaging in spinocerebellar ataxias. Cerebellum, 2008, 7, 1-11.	2.5	0
167	Speed of motor re-learning after experimental stroke depends on prior skill. Experimental Brain Research, 2007, 181, 359-365.	1.5	18
168	Cortical stimulation mapping using epidurally implanted thin-film microelectrode arrays. Journal of Neuroscience Methods, 2007, 161, 118-125.	2.5	60
169	Imaging the development of an ischemic core following photochemically induced cortical infarction in rats using Laser Speckle Contrast Analysis (LASCA). NeuroImage, 2006, 29, 38-45.	4.2	44
170	Statistical Mapping of Speckle Autocorrelation for Visualization of Hyperaemic Responses to Cortical Stimulation. Annals of Biomedical Engineering, 2006, 34, 1107-1118.	2.5	4
171	Early adaptations in somatosensory cortex after focal ischemic injury to motor cortex. Experimental Brain Research, 2006, 168, 178-185.	1.5	6
172	Visualization and quantification of disease progression in multiple system atrophy. Movement Disorders, 2006, 21, 1674-1681.	3.9	53
173	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
174	Stroke Recoveryâ€"Moving in an EXCITE-ing Direction. JAMA - Journal of the American Medical Association, 2006, 296, 2141.	7.4	16
175	Stages of Motor Skill Learning. Molecular Neurobiology, 2005, 32, 205-216.	4.0	197
176	Modulation of motor cortex excitability by sustained peripheral stimulation: The interaction between the motor cortex and the cerebellum. Cerebellum, 2005, 4, 90-96.	2.5	52
177	Brain activation of lower extremity movement in chronically impaired stroke survivors. NeuroImage, 2005, 26, 184-194.	4.2	108
178	Repetitive Bilateral Arm Training and Motor Cortex Activation in Chronic Stroke. JAMA - Journal of the American Medical Association, 2004, 292, 1853.	7.4	487
179	Motor Skill Learning Depends on Protein Synthesis in Motor Cortex after Training. Journal of Neuroscience, 2004, 24, 6515-6520.	3.6	140
180	Protein Synthesis Inhibition Blocks Consolidation of an Acrobatic Motor Skill. Learning and Memory, 2004, 11, 379-382.	1.3	21

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181	Biphasic Cerebral Blood Flow Velocity Profile in Patients With Aneurysmal Subarachnoid Hemorrhage. Neurocritical Care, 2004, 1, 455-460.	2.4	4
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