Michael Nilsson

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

207 papers	10,640 citations	46 h-index	99 g-index
220 ext. papers	11,983 ext. citations	4.9 avg, IF	6.22 L-index

#	Paper	IF	Citations
207	Development of the Hearing in Noise Test for the measurement of speech reception thresholds in quiet and in noise. *Journal of the Acoustical Society of America*, **1994**, 95, 1085-99	2.2	1427
206	Astrocyte activation and reactive gliosis. *Glia*, **2005**, 50, 427-34	9	1200
205	Enriched environment increases neurogenesis in the adult rat dentate gyrus and improves spatial memory. *Journal of Neurobiology*, **1999**, 39, 569-78		599
204	Smart Cities and the Future Internet: Towards Cooperation Frameworks for Open Innovation. *Lecture Notes in Computer Science*, **2011**, 431-446	0.9	474
203	Physical Activity for Cognitive and Mental Health in Youth: A Systematic Review of Mechanisms. *Pediatrics*, **2016**, 138,	7.4	423
202	Protective role of reactive astrocytes in brain ischemia. *Journal of Cerebral Blood Flow and Metabolism*, **2008**, 28, 468-81	7.3	387
201	Insulin-like growth factor-I and neurogenesis in the adult mammalian brain. *Developmental Brain Research*, **2002**, 134, 115-22		240
200	Cardiovascular fitness is associated with cognition in young adulthood. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 20906-11	11.5	220
199	Acute and chronic stress-induced disturbances of microglial plasticity, phenotype and function. *Current Drug Targets*, **2013**, 14, 1262-76	3	196
198	Cyclophilin A participates in the nuclear translocation of apoptosis-inducing factor in neurons after cerebral hypoxia-ischemia. *Journal of Experimental Medicine*, **2007**, 204, 1741-8	16.6	176
197	Modulation of neural plasticity as a basis for stroke rehabilitation. *Stroke*, **2012**, 43, 2819-28	6.7	168
196	Astrocytes and stroke: networking for survival?. *Neurochemical Research*, **2003**, 28, 293-305	4.6	141
195	Dynamic structural remodelling of microglia in health and disease: a review of the models, the signals and the mechanisms. *Brain, Behavior, and Immunity*, **2014**, 37, 1-14	16.6	138
194	An enriched environment increases activity in stroke patients undergoing rehabilitation in a mixed rehabilitation unit: a pilot non-randomized controlled trial. *Disability and Rehabilitation*, **2014**, 36, 255-62	2.4	131
193	Chronic stress-induced disruption of the astrocyte network is driven by structural atrophy and not loss of astrocytes. *Acta Neuropathologica*, **2013**, 126, 75-91	14.3	117
192	Astroglia and glutamate in physiology and pathology: aspects on glutamate transport, glutamate-induced cell swelling and gap-junction communication. *Neurochemistry International*, **2000**, 37, 317-29	4.4	114
191	GABA induces Ca2+ transients in astrocytes. *Neuroscience*, **1993**, 54, 605-14	3.9	110

190	Neurotoxicity of cysteine: interaction with glutamate. *Brain Research*, **1995**, 705, 65-70	3.7	97
189	A systematic review and meta-analysis of erythropoietin in experimental stroke. *Journal of Cerebral Blood Flow and Metabolism*, **2010**, 30, 961-8	7.3	92
188	An enriched environment improves sensorimotor function post-ischemic stroke. *Neurorehabilitation and Neural Repair*, **2010**, 24, 802-13	4.7	87
187	Association of Nrf2-encoding NFE2L2 haplotypes with Parkinson's disease. *BMC Medical Genetics*, **2010**, 11, 36	2.1	86
186	Cardiovascular and cognitive fitness at age 18 and risk of early-onset dementia. *Brain*, **2014**, 137, 1514-23	11.2	81
185	Highly selective and prolonged depletion of mitochondrial glutathione in astrocytes markedly increases sensitivity to peroxynitrite. *Journal of Neuroscience*, **2004**, 24, 8019-28	6.6	79
184	Cardiovascular fitness in males at age 18 and risk of serious depression in adulthood: Swedish prospective population-based study. *British Journal of Psychiatry*, **2012**, 201, 352-9	5.4	78
183	Intermediate filaments are important for astrocyte response to oxidative stress induced by oxygen-glucose deprivation and reperfusion. *Histochemistry and Cell Biology*, **2013**, 140, 81-91	2.4	73
182	Activated microglia decrease histone acetylation and Nrf2-inducible anti-oxidant defence in astrocytes: restoring effects of inhibitors of HDACs, p38 MAPK and GSK3 *Neurobiology of Disease*, **2011**, 44, 142-51	7.5	71
181	Amino acid and monoamine transport in primary astroglial cultures from defined brain regions. *Neurochemical Research*, **1985**, 10, 1335-41	4.6	68
180	Mitochondrial glutathione: a modulator of brain cell death. *Journal of Bioenergetics and Biomembranes*, **2004**, 36, 329-33	3.7	66
179	Peripheral immune cells infiltrate into sites of secondary neurodegeneration after ischemic stroke. *Brain, Behavior, and Immunity*, **2018**, 67, 299-307	16.6	65
178	Nrf2-encoding NFE2L2 haplotypes influence disease progression but not risk in Alzheimer's disease and age-related cataract. *Mechanisms of Ageing and Development*, **2010**, 131, 105-10	5.6	65
177	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. *International Journal of Stroke*, **2017**, 12, 462-471	6.3	64
176	Long-term stimulation of neural progenitor cell migration after cortical ischemia in mice. *Stroke*, **2011**, 42, 3559-65	6.7	64
175	Repeated transient sulforaphane stimulation in astrocytes leads to prolonged Nrf2-mediated gene expression and protection from superoxide-induced damage. *Neuropharmacology*, **2011**, 60, 343-53	5.5	63
174	Less neurogenesis and inflammation in the immature than in the juvenile brain after cerebral hypoxia-ischemia. *Journal of Cerebral Blood Flow and Metabolism*, **2007**, 27, 785-94	7.3	62
173	Music structure determines heart rate variability of singers. *Frontiers in Psychology*, **2013**, 4, 334	3.4	61

172	Cost-effectiveness of spinal cord stimulation versus coronary artery bypass grafting in patients with severe angina pectoris--long-term results from the ESBY study. *Cardiology*, **2003**, 99, 20-4	1.6	61
171	Glutathione monoethyl ester provides neuroprotection in a rat model of stroke. *Neuroscience Letters*, **2004**, 354, 163-5	3.3	61
170	Serum IGF-I levels correlate to improvement of functional outcome after ischemic stroke. *Journal of Clinical Endocrinology and Metabolism*, **2011**, 96, E1055-64	5.6	59
169	Kappa-opioid receptors on astrocytes stimulate L-type Ca2+ channels. *Neuroscience*, **1993**, 54, 401-7	3.9	58
168	Physical, cognitive and social activity levels of stroke patients undergoing rehabilitation within a mixed rehabilitation unit. *Clinical Rehabilitation*, **2014**, 28, 91-101	3.3	56
167	Genetic associations of Nrf2-encoding NFE2L2 variants with Parkinson's disease - a multicenter study. *BMC Medical Genetics*, **2014**, 15, 131	2.1	55
166	Fluorocitrate-mediated astroglial dysfunction causes seizures. *Journal of Neuroscience Research*, **2003**, 74, 160-6	4.4	50
165	Combined ampakine and BDNF treatments enhance poststroke functional recovery in aged mice via AKT-CREB signaling. *Journal of Cerebral Blood Flow and Metabolism*, **2015**, 35, 1272-9	7.3	48
164	Extended High-Frequency Bandwidth Improves Speech Reception in the Presence of Spatially Separated Masking Speech. *Ear and Hearing*, **2015**, 36, e214-24	3.4	48
163	Adrenergic and 5-HT2 receptors on the same astroglial cell. A microspectrofluorimetric study on cytosolic Ca2+ responses in single cells in primary culture. *Developmental Brain Research*, **1991**, 63, 33-41		48
162	The Impact of Physical Activity on Brain Structure and Function in Youth: A Systematic Review. *Pediatrics*, **2019**, 144,	7.4	47
161	Chronic stress exacerbates neuronal loss associated with secondary neurodegeneration and suppresses microglial-like cells following focal motor cortex ischemia in the mouse. *Brain, Behavior, and Immunity*, **2015**, 48, 57-67	16.6	46
160	The impact of a physical activity intervention program on academic achievement in a Swedish elementary school setting. *Journal of School Health*, **2014**, 84, 473-80	2.1	46
159	Long-Term Improvements After Multimodal Rehabilitation in Late Phase After Stroke: A Randomized Controlled Trial. *Stroke*, **2017**, 48, 1916-1924	6.7	43
158	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. *Neurorehabilitation and Neural Repair*, **2017**, 31, 699-707	4.7	42
157	An approach to measuring and encouraging research translation and research impact. *Health Research Policy and Systems*, **2016**, 14, 60	3.7	41
156	Effects of a Curricular Physical Activity Intervention on Children's School Performance, Wellness, and Brain Development. *Journal of School Health*, **2015**, 85, 704-13	2.1	41
155	Enhanced glutathione efflux from astrocytes in culture by low extracellular Ca2+ and curcumin. *Neurochemical Research*, **2010**, 35, 1231-8	4.6	41

154	Head and neck injuries in professional soccer. *Clinical Journal of Sport Medicine*, **2013**, 23, 255-60	3.2	40
153	Stimulation of 5-HT2A receptors on astrocytes in primary culture opens voltage-independent Ca2+ channels. *Neurochemistry International*, **1998**, 32, 153-62	4.4	39
152	Gap junction blockage limits intercellular spreading of astrocytic apoptosis induced by metabolic depression. *Journal of Neurochemistry*, **2005**, 94, 1111-23	6	39
151	MIDAS (Modafinil in Debilitating Fatigue After Stroke): A Randomized, Double-Blind, Placebo-Controlled, Cross-Over Trial. *Stroke*, **2017**, 48, 1293-1298	6.7	38
150	Translating the use of an enriched environment poststroke from bench to bedside: study design and protocol used to test the feasibility of environmental enrichment on stroke patients in rehabilitation. *International Journal of Stroke*, **2012**, 7, 521-6	6.3	38
149	Age-dependent regenerative responses in the striatum and cortex after hypoxia-ischemia. *Journal of Cerebral Blood Flow and Metabolism*, **2009**, 29, 342-54	7.3	38
148	Mitochondrial glutathione protects against cell death induced by oxidative and nitrative stress in astrocytes. *Journal of Neurochemistry*, **2007**, 102, 1369-82	6	38
147	Photothrombosis-induced infarction of the mouse cerebral cortex is not affected by the Nrf2-activator sulforaphane. *PLoS ONE*, **2012**, 7, e41090	3.7	38
146	Reactive astrogliosis induces astrocytic differentiation of adult neural stem/progenitor cells in vitro. *Journal of Neuroscience Research*, **2006**, 84, 1415-24	4.4	37
145	Glutathione monoethylester prevents mitochondrial glutathione depletion during focal cerebral ischemia. *Neurochemistry International*, **2004**, 44, 153-9	4.4	37
144	Astrocytic function assessed from 1-14C-acetate metabolism after temporary focal cerebral ischemia in rats. *Journal of Cerebral Blood Flow and Metabolism*, **2005**, 25, 440-50	7.3	37
143	Alpha 1-adrenergic modulation of metabotropic glutamate receptor-induced calcium oscillations and glutamate release in astrocytes. *Journal of Biological Chemistry*, **2001**, 276, 46504-14	5.4	37
142	Volume regulation of single astroglial cells in primary culture. *Neuroscience Letters*, **1992**, 143, 195-9	3.3	37
141	Influence of Cardiovascular Fitness and Muscle Strength in Early Adulthood on Long-Term Risk of Stroke in Swedish Men. *Stroke*, **2015**, 46, 1769-76	6.7	36
140	X chromosome-linked inhibitor of apoptosis protein reduces oxidative stress after cerebral irradiation or hypoxia-ischemia through up-regulation of mitochondrial antioxidants. *European Journal of Neuroscience*, **2007**, 26, 3402-10	3.5	36
139	Chronic stress exposure following photothrombotic stroke is associated with increased levels of Amyloid beta accumulation and altered oligomerisation at sites of thalamic secondary neurodegeneration in mice. *Journal of Cerebral Blood Flow and Metabolism*, **2017**, 37, 1338-1348	7.3	35
138	Impaired microglia process dynamics post-stroke are specific to sites of secondary neurodegeneration. *Glia*, **2017**, 65, 1885-1899	9	33
137	The Nrf2-inducible antioxidant defense in astrocytes can be both up- and down-regulated by activated microglia:Involvement of p38 MAPK. *Glia*, **2011**, 59, 785-99	9	33

136	Regulation of the glial glutamate transporter GLT-1 by glutamate and delta-opioid receptor stimulation. *FEBS Letters*, **1998**, 425, 453-9	3.8	33
135	Enriched environment and astrocytes in central nervous system regeneration. *Acta Dermato-Venereologica*, **2007**, 39, 345-52	2.2	33
134	Spatiotemporal analysis of impaired microglia process movement at sites of secondary neurodegeneration post-stroke. *Journal of Cerebral Blood Flow and Metabolism*, **2019**, 39, 2456-2470	7.3	32
133	Losses of NG2 and NeuN immunoreactivity but not astrocytic markers during early reperfusion following severe focal cerebral ischemia. *Brain Research*, **2003**, 989, 221-30	3.7	31
132	Cell swelling precedes seizures induced by inhibition of astrocytic metabolism. *Epilepsy Research*, **2008**, 80, 132-41	3	30
131	Interactions between valproate, glutamate, aspartate, and GABA with respect to uptake in astroglial primary cultures. *Neurochemical Research*, **1992**, 17, 327-32	4.6	30
130	Sedentary behaviour and physical activity of people with stroke in rehabilitation hospitals. *Stroke Research and Treatment*, **2014**, 2014, 591897	1.7	29
129	The metabolism of C-glucose by neurons and astrocytes in brain subregions following focal cerebral ischemia in rats. *Journal of Neurochemistry*, **2006**, 97, 968-78	6	29
128	Growth Hormone Improves Cognitive Function After Experimental Stroke. *Stroke*, **2018**, 49, 1257-1266	6.7	28
127	A mapping study on physical activity in stroke rehabilitation: establishing the baseline. *Journal of Rehabilitation Medicine*, **2013**, 45, 997-1003	3.4	28
126	Pituitary function and functional outcome in adults after severe traumatic brain injury: the long-term perspective. *Journal of Neurotrauma*, **2013**, 30, 271-80	5.4	27
125	Feasibility and Preliminary Efficacy of a Teacher-Facilitated High-Intensity Interval Training Intervention for Older Adolescents. *Pediatric Exercise Science*, **2019**, 31, 107-117	2	27
124	Chronic stress induced disruption of the peri-infarct neurovascular unit following experimentally induced photothrombotic stroke. *Journal of Cerebral Blood Flow and Metabolism*, **2017**, 37, 3709-3724	7.3	26
123	Photothrombotic stroke induces persistent ipsilateral and contralateral astrogliosis in key cognitive control nuclei. *Neurochemical Research*, **2015**, 40, 362-71	4.6	26
122	Cardiovascular fitness and later risk of epilepsy: a Swedish population-based cohort study. *Neurology*, **2013**, 81, 1051-7	6.5	26
121	Delay of late-venous phase cortical vein filling in acute ischemic stroke patients: Associations with collateral status. *Journal of Cerebral Blood Flow and Metabolism*, **2017**, 37, 671-682	7.3	25
120	Association of NFE2L2 and KEAP1 haplotypes with amyotrophic lateral sclerosis. *Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration*, **2014**, 15, 130-7	3.6	25
119	A combined cumulative threshold spectra and digital reconstruction analysis reveal structural alterations of microglia within the prefrontal cortex following low-dose LPS administration. *Neuroscience*, **2015**, 310, 629-40	3.9	24

118	Preliminary evaluation of a light-based contact hearing device for the hearing impaired. *Otology and Neurotology*, **2013**, 34, 912-21	2.6	24
117	Expression of plasminogen activator inhibitor-1 and protease nexin-1 in human astrocytes: Response to injury-related factors. *Journal of Neuroscience Research*, **2010**, 88, 2441-9	4.4	23
116	Modulation of mechanically induced calcium waves in hippocampal astroglial cells. Inhibitory effects of alpha 1-adrenergic stimulation. *Brain Research*, **1998**, 793, 127-35	3.7	23
115	Heterogeneity among astroglial cells with respect to 5HT-evoked cytosolic Ca2+ responses. A microspectrofluorimetric study on single cells in primary culture. *Life Sciences*, **1991**, 49, 1339-50	6.8	23
114	Spectroscopy of reperfused tissue after stroke reveals heightened metabolism in patients with good clinical outcomes. *Journal of Cerebral Blood Flow and Metabolism*, **2014**, 34, 1944-50	7.3	22
113	ŚBetter wear out sheets than shoesŚ a survey of 202 stroke professionalŚearly mobilisation practices and concerns. *International Journal of Stroke*, **2011**, 6, 10-5	6.3	22
112	Agonist-evoked Ca2+ transients in primary astroglial cultures--modulatory effects of valproic acid. *Glia*, **1992**, 5, 201-9	9	22
111	Is Stroke a Neurodegenerative Condition? A Critical Review of Secondary Neurodegeneration and Amyloid-beta Accumulation after Stroke. *AIMS Medical Science*, **2017**, 4, 1-16	0.4	22
110	The influence of initial stroke severity on mortality, overall functional outcome and in-hospital placement at 90 days following acute ischemic stroke: A tertiary hospital stroke register study. *Neurology India*, **2017**, 65, 1252-1259	0.7	22
109	Baseline collateral status and infarct topography in post-ischaemic perilesional hyperperfusion: An arterial spin labelling study. *Journal of Cerebral Blood Flow and Metabolism*, **2017**, 37, 1148-1162	7.3	21
108	Plasticity response in the contralesional hemisphere after subtle neurotrauma: gene expression profiling after partial deafferentation of the hippocampus. *PLoS ONE*, **2013**, 8, e70699	3.7	21
107	The effects of a rhythm and music-based therapy program and therapeutic riding in late recovery phase following stroke: a study protocol for a three-armed randomized controlled trial. *BMC Neurology*, **2012**, 12, 141	3.1	20
106	Executive function and attention in patients with stress-related exhaustion: perceived fatigue and effect of distraction. *Stress*, **2017**, 20, 333-340	3	19
105	Chronic stress induces prolonged suppression of the P2X7 receptor within multiple regions of the hippocampus: a cumulative threshold spectra analysis. *Brain, Behavior, and Immunity*, **2014**, 42, 69-80	16.6	18
104	Genetic variation at the IGF1 locus shows association with post-stroke outcome and to circulating IGF1. *European Journal of Endocrinology*, **2013**, 169, 759-65	6.5	18
103	Activation of beta-adrenoceptors opens calcium-activated potassium channels in astroglial cells. *Neurochemistry International*, **2001**, 38, 269-76	4.4	18
102	The effect of the prone sleeping position on obstructive sleep apnoea. *Acta Oto-Laryngologica*, **2015**, 135, 79-84	1.6	17
101	Reconsidering the role of glial cells in chronic stress-induced dopaminergic neurons loss within the substantia nigra? Friend or foe?. *Brain, Behavior, and Immunity*, **2017**, 60, 117-125	16.6	17

100	Dual TNF-induced effects on NRF2 mediated antioxidant defence in astrocyte-rich cultures: role of protein kinase activation. *Neurochemical Research*, **2012**, 37, 2842-55	4.6	17
99	Reloading the retina by modifying the glial matrix. *Trends in Neurosciences*, **2004**, 27, 241-2	13.3	17
98	Sustained administration of corticosterone at stress-like levels after stroke suppressed glial reactivity at sites of thalamic secondary neurodegeneration. *Brain, Behavior, and Immunity*, **2018**, 69, 210-222	16.6	16
97	Ca2+ ion permeability properties of (R,S) alpha-amino-3-hydroxy-5-methyl-4-isoxazolepropionate (AMPA) receptors in isolated interneurons from the olfactory bulb of the rat. *Journal of Neurophysiology*, **1997**, 77, 702-8	3.2	16
96	Transport of valproate and its effects on GABA uptake in astroglial primary culture. *Neurochemical Research*, **1990**, 15, 763-7	4.6	15
95	Low oxygen post conditioning prevents thalamic secondary neuronal loss caused by excitotoxicity after cortical stroke. *Scientific Reports*, **2019**, 9, 4841	4.9	14
94	Alterations in membrane potential in mitochondria isolated from brain subregions during focal cerebral ischemia and early reperfusion: evaluation using flow cytometry. *Neurochemical Research*, **2009**, 34, 1857-66	4.6	14
93	Chronic elevation of cAMP levels induces changes in the adenylate cyclase system, opiate receptor sensitivity and levels of Gs-mRNA in cultured neurons. *Neuroscience Letters*, **1992**, 135, 28-32	3.3	13
92	Finding the Intersection of Neuroplasticity, Stroke Recovery, and Learning: Scope and Contributions to Stroke Rehabilitation. *Neural Plasticity*, **2019**, 2019, 5232374	3.3	12
91	Age-dependent Disturbances of Neuronal and Glial Protein Expression Profiles in Areas of Secondary Neurodegeneration Post-stroke. *Neuroscience*, **2018**, 393, 185-195	3.9	12
90	Measuring research impact in Australia's medical research institutes: a scoping literature review of the objectives for and an assessment of the capabilities of research impact assessment frameworks. *Health Research Policy and Systems*, **2017**, 15, 22	3.7	12
89	Time-efficient intervention to improve older adolescents' cardiorespiratory fitness: findings from the 'Burn 2 Learn' cluster randomised controlled trial. *British Journal of Sports Medicine*, **2020**,	10.3	12
88	Association of Cortical Vein Filling with Clot Location and Clinical Outcomes in Acute Ischaemic Stroke Patients. *Scientific Reports*, **2016**, 6, 38525	4.9	12
87	Oral administration of corticosterone at stress-like levels drives microglial but not vascular disturbances post-stroke. *Neuroscience*, **2017**, 352, 30-38	3.9	11
86	Visual discrimination impairment after experimental stroke is associated with disturbances in the polarization of the astrocytic aquaporin-4 and increased accumulation of neurotoxic proteins. *Experimental Neurology*, **2019**, 318, 232-243	5.7	11
85	School-based physical activity intervention for older adolescents: rationale and study protocol for the Burn 2 Learn cluster randomised controlled trial. *BMJ Open*, **2019**, 9, e026029	3	11
84	Growth Hormone Promotes Motor Function after Experimental Stroke and Enhances Recovery-Promoting Mechanisms within the Peri-Infarct Area. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	11
83	Modafinil In Debilitating fatigue After Stroke (MIDAS): study protocol for a randomised, double-blinded, placebo-controlled, crossover trial. *Trials*, **2016**, 17, 410	2.8	11

82	Can We Use 2,3,5-Triphenyltetrazolium Chloride-Stained Brain Slices for Other Purposes? The Application of Western Blotting. *Frontiers in Molecular Neuroscience*, **2019**, 12, 181	6.1	11
81	Stress as necessary component of realistic recovery in animal models of experimental stroke. *Journal of Cerebral Blood Flow and Metabolism*, **2014**, 34, 208-14	7.3	11
80	Adrenoceptor-induced changes of intracellular K+ and Ca2+ in astrocytes and neurons in rat cortical primary cultures. *Neuroscience Letters*, **1997**, 238, 33-6	3.3	11
79	Chronic stress induced disturbances in Laminin: A significant contributor to modulating microglial pro-inflammatory tone?. *Brain, Behavior, and Immunity*, **2018**, 68, 23-33	16.6	10
78	Decreased oxidative stress during glycolytic inhibition enables maintenance of ATP production and astrocytic survival. *Neurochemistry International*, **2012**, 61, 291-301	4.4	10
77	Signals regulating neurogenesis in the adult olfactory bulb. *Chemical Senses*, **2005**, 30 Suppl 1, i109-10	4.8	10
76	Development of a test environment to evaluate performance of modern hearing aid features. *Journal of the American Academy of Audiology*, **2005**, 16, 27-41	1.3	10
75	Altering the rehabilitation environment to improve stroke survivor activity: A Phase II trial. *International Journal of Stroke*, **2021**, 17474930211006999	6.3	10
74	The Feasibility of a Telehealth Exercise Program Aimed at Increasing Cardiorespiratory Fitness for People After Stroke. *International Journal of Telerehabilitation*, **2019**, 11, 9-28	4.5	10
73	Mattress and pillow for prone positioning for treatment of obstructive sleep apnoea. *Acta Oto-Laryngologica*, **2015**, 135, 271-6	1.6	9
72	Opposing Associations of Stress and Resilience With Functional Outcomes in Stroke Survivors in the Chronic Phase of Stroke: A Cross-Sectional Study. *Frontiers in Neurology*, **2020**, 11, 230	4.1	9
71	Targeting stroke treatment to the individual. *International Journal of Stroke*, **2012**, 7, 480-1	6.3	9
70	Sick leave after traumatic brain injury. The person or the diagnosis--which has greater impact?. *Scandinavian Journal of Public Health*, **2010**, 38, 541-7	3	9
69	Localised astroglial dysfunction disrupts high-frequency EEG rhythms. *Journal of Neural Transmission*, **2005**, 112, 205-13	4.3	9
68	A qualitative exploration of post-acute stroke participantsSexperiences of a multimodal intervention incorporating horseback riding. *PLoS ONE*, **2018**, 13, e0203933	3.7	9
67	Experiences from a multimodal rhythm and music-based rehabilitation program in late phase of stroke recovery - A qualitative study. *PLoS ONE*, **2018**, 13, e0204215	3.7	9
66	Increasing time spent engaging in moderate-to-vigorous physical activity by community-dwelling adults following a transient ischemic attack or non-disabling stroke: a systematic review. *Disability and Rehabilitation*, **2020**, 1-16	2.4	8
65	Lack of association between genetic variations in the KALRN region and ischemic stroke. *Clinical Biochemistry*, **2011**, 44, 1018-20	3.5	8

64	Health care consumption due to atrial fibrillation is markedly reduced by Maze III surgery. *Annals of Thoracic Surgery*, **2007**, 83, 1713-6	2.7	8
63	More than motor impairment: A spatiotemporal analysis of cognitive impairment and associated neuropathological changes following cortical photothrombotic stroke. *Journal of Cerebral Blood Flow and Metabolism*, **2021**, 41, 2439-2455	7.3	8
62	Effects of horse-riding therapy and rhythm and music-based therapy on functional mobility in late phase after stroke. *NeuroRehabilitation*, **2019**, 45, 483-492	2	8
61	Growth Hormone Deficiency Is Frequent After Recent Stroke. *Frontiers in Neurology*, **2018**, 9, 713	4.1	8
60	Growth Hormone Treatment Promotes Remote Hippocampal Plasticity after Experimental Cortical Stroke. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	7
59	Purinergic modulation of glutamate transmission: An expanding role in stress-linked neuropathology. *Neuroscience and Biobehavioral Reviews*, **2018**, 93, 26-37	9	7
58	Altered levels of circulating insulin-like growth factor I (IGF-I) following ischemic stroke are associated with outcome - a prospective observational study. *BMC Neurology*, **2018**, 18, 106	3.1	7
57	A Microfluidics Workflow for Sample Preparation for Next-Generation DNA Sequencing. *SLAS Technology*, **2019**, 24, 196-208	3	7
56	Ten-year mortality after severe traumatic brain injury in western Sweden: a case control study. *Brain Injury*, **2014**, 28, 1675-81	2.1	7
55	What Is the Dose-Response Relationship Between Exercise and Cardiorespiratory Fitness After Stroke? A Systematic Review. *Physical Therapy*, **2019**, 99, 821-832	3.3	6
54	Species-Specific Regulation of t-PA and PAI-1 Gene Expression in Human and Rat Astrocytes. *Gene Regulation and Systems Biology*, **2014**, 8, 113-8	2	6
53	Preseizure increased gamma electroencephalographic activity has no effect on extracellular potassium or calcium. *Journal of Neuroscience Research*, **2007**, 85, 906-18	4.4	6
52	Receptor-coupled uptake of valproate in rat astroglial primary cultures. *Neuroscience Letters*, **1992**, 136, 83-6	3.3	6
51	Improving Patient Outcomes Following Total Knee Arthroplasty: Identifying Rehabilitation Pathways Based on Modifiable Psychological Risk and Resilience Factors. *Frontiers in Psychology*, **2020**, 11, 1061	3.4	5
50	Cognitive medicine - a new approach in health care science. *BMC Psychiatry*, **2018**, 18, 42	4.2	5
49	Measuring research impact in medical research institutes: a qualitative study of the attitudes and opinions of Australian medical research institutes towards research impact assessment frameworks. *Health Research Policy and Systems*, **2018**, 16, 28	3.7	5
48	Nonpsychotic Mental Disorders in Teenage Males and Risk of Early Stroke: A Population-Based Study. *Stroke*, **2016**, 47, 814-21	6.7	5
47	AExaCTT - Aerobic Exercise and Consecutive Task-specific Training for the upper limb after stroke: Protocol for a randomised controlled pilot study. *Contemporary Clinical Trials Communications*, **2017**, 7, 179-185	1.8	5

46	Trauma-induced reactive gliosis is reduced after treatment with octanol and carbenoxolone. *Neurological Research*, **2011**, 33, 614-24	2.7	5
45	Low Oxygen Post Conditioning as an Efficient Non-pharmacological Strategy to Promote Motor Function After Stroke. *Translational Stroke Research*, **2019**, 10, 402-412	7.8	5
44	A history of unemployment or sick leave influences long-term functioning and health-related quality-of-life after severe traumatic brain injury. *Brain Injury*, **2014**, 28, 328-35	2.1	4
43	Distribution and development of G alpha i-2 mRNA in the rat cerebral cortex investigated with in situ hybridization and RNAse protection assay. *Developmental Brain Research*, **1995**, 84, 208-14		4
42	Effects of 2-guanidinoethane sulfonate on glutamate uptake in primary astroglial cultures from the rat cerebral cortex. *Neuropharmacology*, **1989**, 28, 1415-8	5.5	4
41	Similar cognitive deficits in mice and humans in the chronic phase post-stroke identified using the touchscreen-based paired-associate learning task. *Scientific Reports*, **2020**, 10, 19545	4.9	4
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