

Roland N Auer

List of Publications by Year in descending order

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137
papers

8,047
citations

38660

50
h-index

48187

88
g-index

139
all docs

139
docs citations

139
times ranked

5377
citing authors

#	ARTICLE	IF	CITATIONS
1	Histopathology of Brain Tissue Response to Stroke and Injury. , 2022, , 42-56.e2.		0
2	Stirling Carpenter, MD February 27, 1929â€“February 19, 2021. Journal of Neuropathology and Experimental Neurology, 2022, 81, 236-238.	0.9	0
3	Simultaneous Presentation of Glioblastoma Multiforme in Divorced Spouses. Case Reports in Oncology, 2022, 15, 231-237.	0.3	1
4	Evolving resting head tremor in parkinsonism: Clinicopathological study of a case. Parkinsonism and Related Disorders, 2021, 86, 1-4.	1.1	1
5	The Concept of an Epilepsy Brain Bank. Frontiers in Neurology, 2020, 11, 833.	1.1	2
6	Near-Newtonian Blood Behavior â€“ Is It Good to Be a Camel?. Frontiers in Physiology, 2019, 10, 906.	1.3	8
7	Parkinsonism in essential tremor cases: A clinicopathological study. Movement Disorders, 2019, 34, 1031-1040.	2.2	13
8	Disseminated alveolar echinococcosis in a 74-year-old woman presenting with focal seizure. Cmaj, 2019, 191, E940-E943.	0.9	2
9	Reply to: Parkinsonism in essential tremor cases: A clinicopathological studyâ€”were they really essential tremor?. Movement Disorders, 2019, 34, 1750-1750.	2.2	0
10	Commentary on: Jiang B, Zhu F, Cao L, Presley BR, Shen MS, Yang KH. Computational study of fracture characteristics in infant skulls using a simplified finite element model. J Forensic Sci 2017;62(1):39â€“49. Journal of Forensic Sciences, 2018, 63, 345-348.	0.9	2
11	Response to Jenny et al. (DOI: 10.1089/neu.2016.4687): Biomechanical Response of the Infant Head to Shaking: An Experimental Investigation. Journal of Neurotrauma, 2018, 35, 1045-1048.	1.7	0
12	Temperature dependency of whole blood viscosity and red cell properties in desert ungulates: Studies on scimitar-horned oryx and dromedary camel. Clinical Hemorheology and Microcirculation, 2018, 69, 533-543.	0.9	2
13	Adult-onset leukoencephalopathy with axonal spheroids and pigmented glia (ALSP): Integrating the literature on hereditary diffuse leukoencephalopathy with spheroids (HDLS) and pigmentary orthochromatic leukodystrophy (POLD). Journal of Clinical Neuroscience, 2018, 48, 42-49.	0.8	51
14	Hypoglycemic Brain Damage. , 2018, , 175-188.		3
15	Histological and Elemental Changes in Ischemic Stroke. , 2018, , 153-171.		3
16	Recommendations for harmonization of data collection and analysis of developmental neurotoxicity endpoints in regulatory guideline studies: Proceedings of workshops presented at Society of Toxicology and Joint Teratology Society and Neurobehavioral Teratology Society meetings. Neurotoxicology and Teratology, 2017, 63, 24-45.	1.2	9
17	KCC3 axonopathy: neuropathological features in the central and peripheral nervous system. Modern Pathology, 2016, 29, 962-976.	2.9	8
18	Histopathology of Brain Tissue Response to Stroke and Injury. , 2016, , 47-59.		5

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19	Recommended Methods for Brain Processing and Quantitative Analysis in Rodent Developmental Neurotoxicity Studies. <i>Toxicologic Pathology</i> , 2016, 44, 14-42.	0.9	40
20	Fetal microglial phenotype in vitro carries memory of prior in vivo exposure to inflammation. <i>Frontiers in Cellular Neuroscience</i> , 2015, 9, 294.	1.8	43
21	Towards a basic understanding of the properties of camel blood in response to exercise. <i>Emirates Journal of Food and Agriculture</i> , 2015, 27, 302.	1.0	7
22	Influence of Weather on Transport Demand. <i>Transportation Research Record</i> , 2015, 2482, 110-116.	1.0	8
23	Human Parechovirus 3 Meningitis and Fatal Leukoencephalopathy. <i>Journal of Neuropathology and Experimental Neurology</i> , 2015, 74, 767-777.	0.9	49
24	Lactate Storm Marks Cerebral Metabolism following Brain Trauma. <i>Journal of Biological Chemistry</i> , 2014, 289, 20200-20208.	1.6	44
25	Synaptogenesis in the Foetal and Neonatal Cerebellar System. 2. Pontine Nuclei and Cerebellar Cortex. <i>Developmental Neuroscience</i> , 2013, 35, 317-325.	1.0	16
26	Sequence of Synaptogenesis in the Fetal and Neonatal Cerebellar System - Part 1: Guillain-Mollaret Triangle (Dentato-Rubro-Olivo-Cerebellar Circuit). <i>Developmental Neuroscience</i> , 2013, 35, 69-81.	1.0	27
27	Synaptogenesis in the Fetal Corpus Striatum, Globus Pallidus, and Substantia Nigra. <i>Journal of Child Neurology</i> , 2013, 28, 60-69.	0.7	20
28	<scp>J</scp>ohn <scp>K</scp>aufmann (1924â€“2013). <i>Brain Pathology</i> , 2013, 23, 489-491.	2.1	0
29	Multiple Cranial Neuropathies Evolving Over a Decade From Occult Perineural Basal Cell Carcinoma. <i>Archives of Neurology</i> , 2012, 69, 134.	4.9	2
30	Histopathology of Cerebral Ischemia. , 2011, , 68-74.		1
31	Neuronal Intranuclear Inclusion Disease Presenting as Juvenile Parkinsonism. <i>Canadian Journal of Neurological Sciences</i> , 2010, 37, 213-218.	0.3	15
32	Oligodendroglioma cell lines containing t(1;19)(q10;p10). <i>Neuro-Oncology</i> , 2010, 12, 745-755.	0.6	77
33	Long-term dietary restriction influences plasma ghrelin and GOAT mRNA level in rats. <i>Physiology and Behavior</i> , 2010, 99, 605-610.	1.0	28
34	Transient Global Cerebral Ischemia Produces Morphologically Necrotic, Not Apoptotic Neurons. , 2010, , 121-130.		2
35	Hypoglycemic Brain Damage. , 2010, , 203-210.		104
36	Neurologic immune reconstitution inflammatory syndrome in HIV/AIDS. <i>Neurology</i> , 2009, 72, 835-841.	1.5	87

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37	Non-toxicity of IV Injected Perfluorocarbon Oxygen Carrier in an Animal Model of Liver Regeneration Following Surgical Injury. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , 2009, 37, 117-124.	0.9	12
38	Proliferation of Human Glioblastoma Stem Cells Occurs Independently of Exogenous Mitogens. <i>Stem Cells</i> , 2009, 27, 1722-1733.	1.4	175
39	Evaluation of the Antiangiogenic Effects of 2-Aryl-3-bromoquinolin-4(1H)-ones and a NCH3-4-oxo Derivative. <i>Biological and Pharmaceutical Bulletin</i> , 2009, 32, 937-940.	0.6	2
40	Hypoglycemic Brain Damage. , 2009, , 31-39.		2
41	Pharmacologic analysis of the mechanism of dark neuron production in cerebral cortex. <i>Acta Neuropathologica</i> , 2008, 116, 447-452.	3.9	65
42	Calcification and endothelialization of thrombi in acute stroke. <i>Annals of Neurology</i> , 2008, 64, 344-347.	2.8	68
43	Hypoxia and related conditions. , 2008, , 63-119.		16
44	Truncation of the Krebs Cycle During Hypoglycemic Coma. <i>Medicinal Chemistry</i> , 2008, 4, 379-385.	0.7	40
45	Primary intracerebral hemorrhage. <i>Journal of Clinical Neuroscience</i> , 2006, 13, 511-517.	0.8	154
46	Subcortical middle cerebral artery ischemia abolishes the digit flexion and closing used for grasping in rat skilled reaching. <i>Neuroscience</i> , 2006, 137, 1107-1118.	1.1	35
47	Re: Can J. Neurol. Sci. 2006;33:1-2 Lost Fundamentals in Neurosciences - A Call for Discussion. <i>Canadian Journal of Neurological Sciences</i> , 2006, 33, 333-333.	0.3	0
48	Rat Neonatal Immune Challenge Alters Adult Responses to Cerebral Ischaemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2006, 26, 456-467.	2.4	43
49	Dietary Restriction Does Not Adversely Affect Bone Geometry and Mechanics in Rapidly Growing Male Wistar Rats. <i>Pediatric Research</i> , 2005, 57, 227-231.	1.1	28
50	Effectively truncated TCA cycle during profound hypoglycemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005, 25, S82-S82.	2.4	0
51	Optimal blood glucose levels while using insulin to minimize the size of infarction in focal cerebral ischemia. <i>Journal of Neurosurgery</i> , 2004, 101, 664-668.	0.9	59
52	Delayed Precursor Cell Markers Expression in Hippocampus following Cold-Induced Cortical Injury in Mice. <i>Journal of Neurotrauma</i> , 2004, 21, 1747-1755.	1.7	13
53	Hypoglycemic Brain Damage. <i>Metabolic Brain Disease</i> , 2004, 19, 169-175.	1.4	186
54	Hypoglycemic brain damage. <i>Forensic Science International</i> , 2004, 146, 105-110.	1.3	78

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55	Localization of Nestin in Amygdaloid Kindled Rat: An Immunoelectron Microscopic Study. Canadian Journal of Neurological Sciences, 2004, 31, 514-519.	0.3	8
56	Histopathology of Cerebral Ischemia. , 2004, , 821-828.		3
57	Recording in awake and freely moving animals. Methods, 2003, 30, 107-108.	1.9	0
58	Longstanding ataxic demyelinating polyneuropathy with a novel autoantibody. Neurology, 2003, 60, 127-129.	1.5	12
59	Diffuse Cerebral Infarction after Cardiac Arrest. New England Journal of Medicine, 2003, 348, 2689-2689.	13.9	0
60	Mefenamate, an Agent that Fails to Attenuate Experimental Cerebral Infarction. Canadian Journal of Neurological Sciences, 2003, 30, 259-262.	0.3	4
61	Whither Neuropathology?. Canadian Journal of Neurological Sciences, 2003, 30, 299-301.	0.3	2
62	Progress in Clinical Neurosciences: Therapeutic Hypothermia in Severe Traumatic Brain Injury. Canadian Journal of Neurological Sciences, 2003, 30, 307-313.	0.3	5
63	Embryonic intermediate filament, nestin, expression following traumatic spinal cord injury in adult rats. Neuroscience, 2002, 114, 905-916.	1.1	107
64	Peri-OVLT E-series prostaglandins and core temperature do not increase after intravenous IL-1 β in pregnant rats. Journal of Applied Physiology, 2002, 93, 531-536.	1.2	15
65	Global democratic consensus on neuropathological disease criteria. Lancet Neurology, The, 2002, 1, 340.	4.9	3
66	Eubalic hyperoxemia and experimental cerebral infarction. Annals of Neurology, 2002, 52, 566-572.	2.8	105
67	Understanding and managing ischemic stroke. Canadian Journal of Physiology and Pharmacology, 2001, 79, 283-296.	0.7	32
68	Encephalopathy with Staphylococcal Endocarditis: Multiple Neuropathological Findings. Canadian Journal of Neurological Sciences, 2001, 28, 260-264.	0.3	11
69	Non-Pharmacologic (Physiologic) Neuroprotection in the Treatment of Brain Ischemia. Annals of the New York Academy of Sciences, 2001, 939, 271-282.	1.8	71
70	Hemicraniectomy for Ischemic Stroke: Temerity or Death Cure?. Canadian Journal of Neurological Sciences, 2000, 27, 269-269.	0.3	2
71	Electron Microscopic Evidence against Apoptosis as the Mechanism of Neuronal Death in Global Ischemia. Journal of Neuroscience, 1999, 19, 4200-4210.	1.7	322
72	The effects of temperature and scopolamine on N-methyl-d-aspartate antagonist-induced neuronal necrosis in the rat. Neuroscience, 1999, 90, 87-94.	1.1	8

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73	Characterization of postischemic behavioral deficits in gerbils with and without hypothermic neuroprotection. <i>Brain Research</i> , 1998, 803, 69-78.	1.1	62
74	Can Eliminating Monosodium Glutamate from the Diet Affect Lennox-gastaut Syndrome?. <i>Journal of the American Dietetic Association</i> , 1998, 98, 857.	1.3	2
75	Molecular Cloning of a Novel Potassium-dependent Sodium-Calcium Exchanger from Rat Brain. <i>Journal of Biological Chemistry</i> , 1998, 273, 4155-4162.	1.6	113
76	Behavioral Testing Does Not Exacerbate Ischemic CA1 Damage in Gerbils. <i>Stroke</i> , 1998, 29, 1967-1971.	1.0	26
77	Asymptomatic large pituitary adenomas discovered at autopsy. <i>World Neurosurgery</i> , 1996, 46, 28-31.	1.3	29
78	The Effect of Mannitol on Experimental Cerebral Ischemia, Revisited. <i>Neurosurgery</i> , 1996, 38, 131-139.	0.6	47
79	Early Application of the Results of Animal Experimentation to Human Clinical Trials. <i>Journal of Neurosurgical Anesthesiology</i> , 1996, 8, 73-77.	0.6	2
80	Postischemic therapy with MK-801 (dizocilpine) in a primate model of transient focal brain ischemia. <i>Molecular and Chemical Neuropathology</i> , 1996, 29, 193-210.	1.0	22
81	An automated system for regulating brain temperature in awake and freely moving rodents. <i>Journal of Neuroscience Methods</i> , 1996, 67, 185-190.	1.3	73
82	Hypoglycaemic brain damage: effect of a dihydropyridine calcium channel antagonist in rats. <i>Diabetologia</i> , 1996, 39, 129-134.	2.9	5
83	Effect of Age and Sex on <i>N</i> -Methyl-D-Aspartate Antagonist-Induced Neuronal Necrosis in Rats. <i>Stroke</i> , 1996, 27, 743-746.	1.0	60
84	Effect of Age in Rodent Models of Focal and Forebrain Ischemia. <i>Stroke</i> , 1996, 27, 1663-1668.	1.0	116
85	Graded Hypotension and MCA Occlusion Duration: Effect in Transient Focal Ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1995, 15, 980-988.	2.4	71
86	Combination therapy with U74006F (tirilazad mesylate), MK-801, insulin and diazepam in transient forebrain ischaemia. <i>Neurological Research</i> , 1995, 17, 132-136.	0.6	20
87	Insulin reduction of cerebral infarction due to transient focal ischemia. <i>Journal of Neurosurgery</i> , 1995, 82, 262-268.	0.9	121
88	Delayed symptoms and death after minor head trauma with occult vertebral artery injury.. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 1994, 57, 500-502.	0.9	33
89	Multifocal motor neuropathy. <i>Annals of Neurology</i> , 1994, 35, 246-246.	2.8	2
90	Automated nerve fibre size and myelin sheath measurement using microcomputer-based digital image analysis: theory, method and results. <i>Journal of Neuroscience Methods</i> , 1994, 51, 229-238.	1.3	53

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91	Intraventricular Administration of Insulin and IGF-1 in Transient Forebrain Ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1994, 14, 237-242.	2.4	119
92	Behavioral deficits revealed by multiple tests in rats with ischemic damage limited to half of the CA1 sector of the hippocampus. <i>Brain Research Bulletin</i> , 1994, 34, 283-289.	1.4	38
93	Workshop 2: Ischemia. <i>Brain Pathology</i> , 1994, 4, 307-308.	2.1	0
94	Vagal nerve maturation in the fetal lamb: An ultrastructural and morphometric study. <i>The Anatomical Record</i> , 1993, 237, 527-537.	2.3	17
95	Brain protein kinase C assay using MARCKS substrate reveals no translocation due to profound insulin-induced hypoglycemia. <i>Brain Research</i> , 1993, 606, 187-194.	1.1	3
96	Hypoglycaemia: brain neurochemistry and neuropathology. <i>Bailliere's Clinical Endocrinology and Metabolism</i> , 1993, 7, 611-625.	1.0	146
97	Combination therapy with nimodipine and dizocilpine in a rat model of transient forebrain ischemia.. <i>Stroke</i> , 1992, 23, 725-732.	1.0	50
98	Intraventricular infusion of the selective β -agonist 1,3-di-ortho-tolylguanidine (DTG) mitigates ischaemic brain damage in the hippocampus. <i>Neurological Research</i> , 1991, 13, 257-260.	0.6	4
99	Insulin Attenuates Ischemic Brain Damage Independent of its Hypoglycemic Effect. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1991, 11, 1006-1014.	2.4	162
100	Postischemic seizures and necrotizing ischemic brain damage. <i>Neurology</i> , 1991, 41, 423-423.	1.5	69
101	The relationship of structural ischemic brain damage to neurobehavioural deficit: The effect of postischemic MK-801.. <i>Canadian Journal of Psychology</i> , 1990, 44, 196-209.	0.8	51
102	Brain and Plasma Quinolinic Acid in Profound Insulin-Induced Hypoglycemia. <i>Journal of Neurochemistry</i> , 1990, 54, 1027-1033.	2.1	30
103	Regional Neuroprotective Effects of the NMDA Receptor Antagonist MK-801 (Dizocilpine) in Hypoglycemic Brain Damage. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1990, 10, 270-276.	2.4	70
104	Pre- and Post-Ischemic Administration of Dizocilpine (MK-801) Reduces Cerebral Necrosis in the Rat. <i>Canadian Journal of Neurological Sciences</i> , 1989, 16, 340-344.	0.3	72
105	Sensory Neuron Degeneration in Familial Kugelberg-Welander Disease. <i>Canadian Journal of Neurological Sciences</i> , 1989, 16, 67-70.	0.3	7
106	Immediate and long-lasting effects of MK-801 on motor activity, spatial navigation in a swimming pool and EEG in the rat. <i>Psychopharmacology</i> , 1989, 98, 500-507.	1.5	159
107	Postischemic insulin reduces spatial learning deficit following transient forebrain ischemia in rats.. <i>Stroke</i> , 1989, 20, 646-651.	1.0	87
108	Neuropathy with Onion Bulb Formations and Pure Motor Manifestations. <i>Canadian Journal of Neurological Sciences</i> , 1989, 16, 194-197.	0.3	74

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109	Intraventricular infusion of 2-amino-7-phosphonoheptanoate (APH) mitigates ischaemic brain damage. <i>Neurological Research</i> , 1989, 11, 37-40.	0.6	10
110	The effect of postischemic blood glucose levels on ischemic brain damage in the rat. <i>Annals of Neurology</i> , 1988, 24, 638-646.	2.8	109
111	Biological differences between ischemia, hypoglycemia, and epilepsy. <i>Annals of Neurology</i> , 1988, 24, 699-707.	2.8	335
112	The nature and timing of excitotoxic neuronal necrosis in the cerebral cortex, hippocampus and thalamus due to flurothyl-induced status epilepticus. <i>Acta Neuropathologica</i> , 1988, 75, 362-369.	3.9	108
113	Mechanisms of hypoglycemic brain damage. <i>Experimental Brain Research</i> , 1988, 73, 219-223.	0.7	5
114	KETAMINE FAILS TO PROTECT AGAINST ISCHAEMIC NEURONAL NECROSIS IN THE RAT. <i>British Journal of Anaesthesia</i> , 1988, 61, 206-210.	1.5	44
115	Progress review: hypoglycemic brain damage.. <i>Stroke</i> , 1986, 17, 699-708.	1.0	238
116	Hypotension as a complication of hypoglycemia leads to enhanced energy failure but no increase in neuronal necrosis.. <i>Stroke</i> , 1986, 17, 442-449.	1.0	24
117	Selective lesions of mesostriatal dopamine neurons ameliorate hypoglycemic damage in the caudate-putamen. <i>Experimental Brain Research</i> , 1986, 63, 382-6.	0.7	23
118	Early axonal lesion and preserved microvasculature in epilepsy-induced hypermetabolic necrosis of the substantia nigra. <i>Acta Neuropathologica</i> , 1986, 71, 207-215.	3.9	38
119	Cerebral Protein Synthesis during Long-Term Recovery from Severe Hypoglycemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1986, 6, 42-51.	2.4	33
120	The dentate gyrus in hypoglycemia: Pathology implicating excitotoxin-mediated neuronal necrosis. <i>Acta Neuropathologica</i> , 1985, 67, 279-288.	3.9	104
121	The temporal evolution of hypoglycemic brain damage. <i>Acta Neuropathologica</i> , 1985, 67, 13-24.	3.9	205
122	The temporal evolution of hypoglycemic brain damage. <i>Acta Neuropathologica</i> , 1985, 67, 25-36.	3.9	104
123	The temporal evolution of hypoglycemic brain damage. <i>Acta Neuropathologica</i> , 1985, 67, 37-50.	3.9	62
124	Cerebrovascular lesions in stroke-prone spontaneously hypertensive rats. <i>Acta Neuropathologica</i> , 1985, 68, 284-294.	3.9	73
125	Status epilepticus in well-oxygenated rats causes neuronal necrosis. <i>Annals of Neurology</i> , 1985, 18, 281-290.	2.8	284
126	Lesions of the glutamatergic cortico-striatal projections in the rat ameliorate hypoglycemic brain damage in the striatum. <i>Neuroscience Letters</i> , 1985, 58, 25-30.	1.0	104

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127	Irreversible neuronal damage after short periods of status epilepticus. Acta Physiologica Scandinavica, 1984, 120, 155-157.	2.3	30
128	The distribution of hypoglycemic brain damage. Acta Neuropathologica, 1984, 64, 177-191.	3.9	369
129	The density and distribution of ischemic brain injury in the rat following 2?10 min of forebrain ischemia. Acta Neuropathologica, 1984, 64, 319-332.	3.9	912
130	Hypoglycemic brain injury in the rat. Correlation of density of brain damage with the EEG isoelectric time: a quantitative study. Diabetes, 1984, 33, 1090-1098.	0.3	156
131	Cerebral Medulloepithelioma with Bone, Cartilage, and Striated Muscle Light Microscopic and Immunohistochemical Study. Journal of Neuropathology and Experimental Neurology, 1983, 42, 256-267.	0.9	62
132	The Histologic Effect of Intraventricular Injection of Metrizamide. Archives of Neurology, 1982, 39, 60-61.	4.9	15
133	Frontal lobe perivascular schwannoma. Journal of Neurosurgery, 1982, 56, 154-157.	0.9	57
134	Hemorrhagic encephalitis produced by selective non-occlusive intracarotid BCNU injection in dogs. Journal of Neurosurgery, 1982, 57, 791-796.	0.9	30
135	A Simple and Reproducible Experimental in Vivo Glioma Model. Canadian Journal of Neurological Sciences, 1981, 8, 325-331.	0.3	77
136	Cerebellar astrocytoma with benign histology and malignant clinical course. Journal of Neurosurgery, 1981, 54, 128-132.	0.9	53
137	Cerebral microbleeds in relation to hypertensive arteriopathy. , 0, , 99-108.		0