

A R Gardner-Medwin

List of Publications by Year in Descending Order

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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.

25
papers

2,374
citations

15
h-index

27
g-index

27
ext. papers

2,452
ext. citations

6.1
avg. IF

4.53
L-index

#	Paper	IF	Citations
25	Apparent diffusion coefficient and MR relaxation during osmotic manipulation in isolated turtle cerebellum. <i>Magnetic Resonance in Medicine</i> , 2000 , 44, 427-32	4.4	34
24	Magnetic resonance imaging of propagating waves of spreading depression in the anaesthetised rat. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1994 , 14, 7-11	7.3	66
23	Magnetic and Impedance Measurements for the Detection of Spreading Depression at a Distance 1992 , 63-74		1
22	Magnetic fields associated with spreading depression in anaesthetised rabbits. <i>Brain Research</i> , 1991 , 540, 153-8	3.7	35
21	Magnetic Observation of Spreading Cortical Depression in Anaesthetized Rabbits 1989 , 323-326		1
20	A new framework for assessment of potassium-buffering mechanisms. <i>Annals of the New York Academy of Sciences</i> , 1986 , 481, 287-302	6.5	30
19	The effects of carbon dioxide, oxygen and pH on spreading depression in the isolated chick retina. <i>Brain Research</i> , 1983 , 288, 229-33	3.7	6
18	Changes of extracellular potassium activity induced by electric current through brain tissue in the rat. <i>Journal of Physiology</i> , 1983 , 335, 375-92	3.9	111
17	Analysis of potassium dynamics in mammalian brain tissue. <i>Journal of Physiology</i> , 1983 , 335, 393-426	3.9	235
16	A study of the mechanisms by which potassium moves through brain tissue in the rat. <i>Journal of Physiology</i> , 1983 , 335, 353-74	3.9	122
15	Clearance of extracellular potassium: evidence for spatial buffering by glial cells in the retina of the drone. <i>Brain Research</i> , 1981 , 209, 452-7	3.7	98
14	Possible roles of vertebrate neuroglia in potassium dynamics, spreading depression and migraine. <i>Journal of Experimental Biology</i> , 1981 , 95, 111-27	3	93
13	Possible roles of vertebrate neuroglia in potassium dynamics, spreading depression and migraine. <i>Journal of Experimental Biology</i> , 1981 , 95, 111-127	3	92
12	The Role of Cells in the Dispersal of Brain Extracellular Potassium 1981 , 339-343		2
11	Movement of Potassium into Glial Cells in the Retina of the Drone, <i>Apis mellifera</i> , During Photostimulation 1981 , 345-349		6
10	Diffusion from an iontophoretic point source in the brain: role of tortuosity and volume fraction. <i>Brain Research</i> , 1979 , 169, 580-4	3.7	141
9	The mechanism of potassium dispersal in brain tissue [proceedings]. <i>Journal of Physiology</i> , 1979 , 293, 37P-38P	3.9	7

8	Measurements of extracellular potassium and calcium concentration during passage of current across the surface of the brain [proceedings]. <i>Journal of Physiology</i> , 1978 , 275, 66P-67P	3.9	3
7	The amplitude and time course of extracellular potassium concentration changes during potassium flux through brain tissue [proceedings]. <i>Journal of Physiology</i> , 1978 , 284, 38P-39P	3.9	3
6	The migration of potassium produced by electric current through brain tissue [proceedings]. <i>Journal of Physiology</i> , 1977 , 269, 32P-33P	3.9	9
5	The recall of events through the learning of associations between their parts. <i>Proceedings of the Royal Society of London Series B, Containing Papers of A Biological Character</i> , 1976 , 194, 375-402		83
4	The effect of synaptic activation on the extracellular potassium concentration in the hippocampal dentate area, in vitro. <i>Brain Research</i> , 1976 , 112, 183-7	3.7	37
3	The Initiation of Action Potentials in Hippocampal Granule Cells 1976 , 218-222		
2	Long-lasting potentiation of synaptic transmission in the dentate area of the unanaesthetized rabbit following stimulation of the perforant path. <i>Journal of Physiology</i> , 1973 , 232, 357-74	3.9	1080
1	An extreme supernormal period in cerebellar parallel fibres. <i>Journal of Physiology</i> , 1972 , 222, 357-71	3.9	70