

George S Robertson

List of Publications by Year in descending order

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111
papers

7,964
citations

66343

42
h-index

48315

88
g-index

112
all docs

112
docs citations

112
times ranked

7192
citing authors

#	ARTICLE	IF	CITATIONS
1	Involvement of Caspases in Proteolytic Cleavage of Alzheimer's Amyloid- β Precursor Protein and Amyloidogenic A β Peptide Formation. <i>Cell</i> , 1999, 97, 395-406.	28.9	772
2	Neuroleptics increase C-FOS expression in the forebrain: Contrasting effects of haloperidol and clozapine. <i>Neuroscience</i> , 1992, 46, 315-328.	2.3	465
3	Bax-Dependent Caspase-3 Activation Is a Key Determinant in p53-Induced Apoptosis in Neurons. <i>Journal of Neuroscience</i> , 1999, 19, 7860-7869.	3.6	352
4	D2 dopamine receptor antagonists induce fos and related proteins in rat striatal neurons. <i>Neuroscience</i> , 1990, 37, 287-294.	2.3	346
5	D1 and D2 dopamine receptors differentially regulate c-fos expression in striatonigral and striatopallidal neurons. <i>Neuroscience</i> , 1992, 49, 285-296.	2.3	325
6	D1-dopamine receptor agonists selectively activate striatal c-fos independent of rotational behaviour. <i>Brain Research</i> , 1989, 503, 346-349.	2.2	281
7	Inhibition of Calpains Prevents Neuronal and Behavioral Deficits in an MPTP Mouse Model of Parkinson's Disease. <i>Journal of Neuroscience</i> , 2003, 23, 4081-4091.	3.6	265
8	Suppression of Rho-kinase activity promotes axonal growth on inhibitory CNS substrates. <i>Molecular and Cellular Neurosciences</i> , 2003, 22, 405-416.	2.2	214
9	Neuroprotection by the Inhibition of Apoptosis. <i>Brain Pathology</i> , 2000, 10, 283-292.	4.1	203
10	Attenuation of Ischemia-Induced Cellular and Behavioral Deficits by X Chromosome-Linked Inhibitor of Apoptosis Protein Overexpression in the Rat Hippocampus. <i>Journal of Neuroscience</i> , 1999, 19, 5026-5033.	3.6	199
11	E2F1 Mediates Death of B-amyloid-treated Cortical Neurons in a Manner Independent of p53 and Dependent on Bax and Caspase 3. <i>Journal of Biological Chemistry</i> , 2000, 275, 11553-11560.	3.4	195
12	Synergistic effects of D1 and D2 dopamine agonists on turning behaviour in rats. <i>Brain Research</i> , 1986, 384, 387-390.	2.2	185
13	Evidence that L-dopa-induced rotational behavior is dependent on both striatal and nigral mechanisms. <i>Journal of Neuroscience</i> , 1989, 9, 3326-3331.	3.6	185
14	Chronic Alterations in Dopaminergic Neurotransmission Produce a Persistent Elevation of 35 S-FosB-like Protein(s) in both the Rodent and Primate Striatum. <i>European Journal of Neuroscience</i> , 1996, 8, 365-381.	2.6	178
15	Striatonigral projection neurons contain D1 dopamine receptor-activated c-fos. <i>Brain Research</i> , 1990, 523, 288-290.	2.2	168
16	Selective, Reversible Caspase-3 Inhibitor Is Neuroprotective and Reveals Distinct Pathways of Cell Death after Neonatal Hypoxic-ischemic Brain Injury. <i>Journal of Biological Chemistry</i> , 2002, 277, 30128-30136.	3.4	163
17	Sexual behavior increases c-fos expression in the forebrain of the male rat. <i>Brain Research</i> , 1991, 564, 352-357.	2.2	162
18	Characterization of dopamine release in the substantia nigra by in vivo microdialysis in freely moving rats. <i>Journal of Neuroscience</i> , 1991, 11, 2209-2216.	3.6	144

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19	D1 and D2 dopamine receptors differentially increase fos-like immunoreactivity in accumbal projections to the ventral pallidum and midbrain. <i>Neuroscience</i> , 1995, 64, 1019-1034.	2.3	133
20	Elevated ATG5 expression in autoimmune demyelination and multiple sclerosis. <i>Autophagy</i> , 2009, 5, 152-158.	9.1	132
21	Effects of Olanzapine on Regional C-Fos Expression in Rat Forebrain. <i>Neuropsychopharmacology</i> , 1996, 14, 105-110.	5.4	126
22	Immunohistochemical and biochemical assessment of caspase-3 activation and DNA fragmentation following transient focal ischemia in the rat. <i>Neuroscience</i> , 2002, 115, 125-136.	2.3	110
23	Dopamine D1 receptor stimulation increases striatal acetylcholine release in the rat. <i>European Journal of Pharmacology</i> , 1990, 186, 335-338.	3.5	97
24	Target-based selection of flavonoids for neurodegenerative disorders. <i>Trends in Pharmacological Sciences</i> , 2012, 33, 602-610.	8.7	93
25	Involvement of Caspase 3 in Apoptotic Death of Cortical Neurons Evoked by DNA Damage. <i>Molecular and Cellular Neurosciences</i> , 2000, 15, 368-379.	2.2	89
26	D1 and D2 dopamine agonist synergism: separate sites of action?. <i>Trends in Pharmacological Sciences</i> , 1987, 8, 295-299.	8.7	88
27	Dopamine-receptor stimulation: biobehavioral and biochemical consequences. <i>Trends in Neurosciences</i> , 2000, 23, S92-S100.	8.6	79
28	Synergistic neuroprotection by epicatechin and quercetin: Activation of convergent mitochondrial signaling pathways. <i>Neuroscience</i> , 2015, 308, 75-94.	2.3	77
29	Local Transcriptional Control of Utrophin Expression at the Neuromuscular Synapse. <i>Journal of Biological Chemistry</i> , 1997, 272, 8117-8120.	3.4	72
30	NAIP protects the nigrostriatal dopamine pathway in an intrastriatal 6-OHDA rat model of Parkinson's disease. <i>European Journal of Neuroscience</i> , 2001, 14, 391-400.	2.6	72
31	Localization of phosphodiesterase-4 isoforms in the medulla and nodose ganglion of the squirrel monkey. <i>Brain Research</i> , 2001, 920, 84-96.	2.2	67
32	Evidence that the substantia nigra is a site of action for L-DOPA. <i>Neuroscience Letters</i> , 1988, 89, 204-208.	2.1	62
33	Effects of minocycline and tetracycline on retinal ganglion cell survival after axotomy. <i>Neuroscience</i> , 2005, 134, 575-582.	2.3	56
34	Quercetin 3-Glucoside Protects Neuroblastoma (SH-SY5Y) Cells in Vitro against Oxidative Damage by Inducing Sterol Regulatory Element-binding Protein-2-mediated Cholesterol Biosynthesis. <i>Journal of Biological Chemistry</i> , 2008, 283, 2231-2245.	3.4	56
35	Neuroprotective effects of M826, a reversible caspase-3 inhibitor, in the rat malonate model of Huntington's disease. <i>British Journal of Pharmacology</i> , 2004, 141, 689-697.	5.4	53
36	c-fos mediates antipsychotic-induced neurotensin gene expression in the rodent striatum. <i>Neuroscience</i> , 1995, 67, 325-344.	2.3	51

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37	Scopolamine attenuates haloperidol-induced c-fos expression in the striatum. <i>Brain Research</i> , 1992, 588, 164-167.	2.2	48
38	Contrasting Effects of Chronic Clozapine, Seroquel™(ICI 204,636) and Haloperidol Administration on ¹²⁵ I-FosB-like Immunoreactivity in the Rodent Forebrain. <i>European Journal of Neuroscience</i> , 1996, 8, 927-936.	2.6	47
39	Quantitative analysis of phenolic components and glycoalkaloids from 20 potato clones and in vitro evaluation of antioxidant, cholesterol uptake, and neuroprotective activities. <i>Food Chemistry</i> , 2012, 133, 1177-1187.	8.2	47
40	Cognitive impairments in the STOP null mouse model of schizophrenia.. <i>Behavioral Neuroscience</i> , 2007, 121, 826-835.	1.2	46
41	Caspase-3 is activated following axotomy of neonatal facial motoneurons and caspase-3 gene deletion delays axotomy-induced cell death in rodents. <i>European Journal of Neuroscience</i> , 2000, 12, 3469-3480.	2.6	45
42	Synergistic Benefits of Combined Aerobic and Cognitive Training on Fluid Intelligence and the Role of IGF-1 in Chronic Stroke. <i>Neurorehabilitation and Neural Repair</i> , 2019, 33, 199-212.	2.9	45
43	Efficient cochlear gene transfection in guinea-pigs with adeno-associated viral vectors by partial digestion of round window membrane. <i>Gene Therapy</i> , 2012, 19, 255-263.	4.5	44
44	Triptolide: An inhibitor of a disintegrin and metalloproteinase 10 (ADAM10) in cancer cells. <i>Cancer Biology and Therapy</i> , 2009, 8, 2054-2062.	3.4	43
45	Tamoxifen-induced knockdown of the mitochondrial calcium uniporter in Thy1-expressing neurons protects mice from hypoxic/ischemic brain injury. <i>Cell Death and Disease</i> , 2018, 9, 606.	6.3	42
46	Lack of TIMP-1 increases severity of experimental autoimmune encephalomyelitis: Effects of darbepoetin alfa on TIMP-1 null and wild-type mice. <i>Journal of Neuroimmunology</i> , 2009, 211, 92-100.	2.3	41
47	The cell-permeable mitochondrial calcium uniporter inhibitor Ru265 preserves cortical neuron respiration after lethal oxygen glucose deprivation and reduces hypoxic/ischemic brain injury. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 1172-1181.	4.3	41
48	Destruction of the nigrostriatal pathway increases Fos-like immunoreactivity predominantly in striatopallidal neurons. <i>Molecular Brain Research</i> , 1993, 19, 156-160.	2.3	40
49	Repeated ventral tegmental area amphetamine administration alters dopamine D1 receptor signaling in the nucleus accumbens. <i>Synapse</i> , 2002, 45, 159-170.	1.2	40
50	JNK Inhibition Protects Dopamine Neurons and Provides Behavioral Improvement in a Rat 6-Hydroxydopamine Model of Parkinson's Disease. <i>ACS Chemical Neuroscience</i> , 2011, 2, 207-212.	3.5	40
51	Neuronal Apoptosis Inhibitory Protein Expression after Traumatic Brain Injury in the Mouse. <i>Journal of Neurotrauma</i> , 2001, 18, 1333-1347.	3.4	39
52	Caspase-cleaved Amyloid Precursor Protein in Alzheimer's Disease. <i>Brain Pathology</i> , 2002, 12, 430-441.	4.1	37
53	Neuroprotective and Anti-Inflammatory Effects of the Flavonoid-Enriched Fraction AF4 in a Mouse Model of Hypoxic-Ischemic Brain Injury. <i>PLoS ONE</i> , 2012, 7, e51324.	2.5	37
54	Increased expression of the adipokine genes resistin and fasting-induced adipose factor in hypoxic/ischaemic mouse brain. <i>NeuroReport</i> , 2006, 17, 1195-1198.	1.2	36

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55	Global ablation of the mitochondrial calcium uniporter increases glycolysis in cortical neurons subjected to energetic stressors. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 3027-3041.	4.3	36
56	Caspase 3 Deficiency Rescues Peripheral Nervous System Defect in Retinoblastoma Nullizygous Mice. <i>Journal of Neuroscience</i> , 2001, 21, 7089-7098.	3.6	34
57	Expression of the inhibitor of apoptosis protein family in multiple sclerosis reveals a potential immunomodulatory role during autoimmune mediated demyelination. <i>Multiple Sclerosis Journal</i> , 2008, 14, 577-594.	3.0	34
58	Over-expression of X-linked inhibitor of apoptosis protein slows presbycusis in C57BL/6J mice. <i>Neurobiology of Aging</i> , 2010, 31, 1238-1249.	3.1	34
59	Overexpression of X-linked inhibitor of apoptosis protein protects against noise-induced hearing loss in mice. <i>Gene Therapy</i> , 2011, 18, 560-568.	4.5	34
60	Increased Mdm2 Expression in Rat Brain after Transient Middle Cerebral Artery Occlusion. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1998, 18, 658-669.	4.3	32
61	Dopaminergic grafts in the striatum reduce D1 but not D2 receptor-mediated rotation in 6-OHDA-lesioned rats. <i>Brain Research</i> , 1991, 539, 304-311.	2.2	30
62	Lesions of the mesotelencephalic dopamine system enhance the effects of selective dopamine D1 and D2 receptor agonists on striatal acetylcholine release. <i>European Journal of Pharmacology</i> , 1992, 219, 323-325.	3.5	30
63	D1-receptor-related priming is attenuated by antisense-mediated 'knockdown' of fosB expression. <i>Molecular Brain Research</i> , 1998, 53, 69-77.	2.3	27
64	Caspase-3 cleaved spectrin colocalizes with neurofilament-immunoreactive neurons in Alzheimer's disease. <i>Neuroscience</i> , 2006, 141, 863-874.	2.3	27
65	Mitochondrial Ca ²⁺ uptake pathways. <i>Journal of Bioenergetics and Biomembranes</i> , 2017, 49, 113-119.	2.3	27
66	Ischemia-induced CA1 neuronal death is preceded by elevated FosB and Jun expression and reduced NGFI-A and JunB levels. <i>Molecular Brain Research</i> , 1998, 56, 146-161.	2.3	26
67	Human Kallikrein 6 Cerebrospinal Levels are Elevated in Multiple Sclerosis. <i>Current Drug Discovery Technologies</i> , 2010, 7, 137-140.	1.2	26
68	X-linked Inhibitor of Apoptosis Regulates T Cell Effector Function. <i>Journal of Immunology</i> , 2007, 179, 7553-7560.	0.8	25
69	Clozapine-, but not haloperidol-, induced increases in FosB-like immunoreactivity are completely blocked in the striatum of mice lacking D3 dopamine receptors. <i>European Journal of Neuroscience</i> , 2004, 20, 3189-3194.	2.6	24
70	7-OH-DPAT Differentially Reverses Clozapine- and Haloperidol-induced Increases in Fos-like Immunoreactivity in the Rodent Forebrain. <i>European Journal of Neuroscience</i> , 1996, 8, 2605-2611.	2.6	23
71	Schizophrenia: an integrative approach to modelling a complex disorder. <i>Journal of Psychiatry and Neuroscience</i> , 2006, 31, 157-67.	2.4	22
72	Differential effect of lithium on spermidine/spermine N1-acetyltransferase expression in suicidal behaviour. <i>International Journal of Neuropsychopharmacology</i> , 2013, 16, 2209-2218.	2.1	21

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73	Delayed administration of a potent cyclin dependent kinase and glycogen synthase kinase 3 \hat{I}^2 inhibitor produces long-term neuroprotection in a hypoxia-ischemia model of brain injury. <i>Neuroscience</i> , 2008, 155, 864-875.	2.3	20
74	Neonatal Ventral Hippocampal Lesions Produce an Elevation of \hat{I}^2 FosB-Like Protein(s) in the Rodent Neocortex. <i>Neuropsychopharmacology</i> , 2006, 31, 700-711.	5.4	19
75	Kinematic gait parameters are highly sensitive measures of motor deficits and spinal cord injury in mice subjected to experimental autoimmune encephalomyelitis. <i>Behavioural Brain Research</i> , 2017, 317, 95-108.	2.2	19
76	Immediate-early gene expression in the brain of the thiamine-deficient rat. <i>Journal of Molecular Neuroscience</i> , 1998, 10, 1-15.	2.3	18
77	D1 dopamine receptor agonist-induced fos-like immunoreactivity occurs in basal forebrain and mesopontine tegmentum cholinergic neurons and striatal neurons immunoreactive for neuropeptide Y. <i>Neuroscience</i> , 1994, 59, 375-387.	2.3	17
78	Increased X-linked inhibitor of apoptosis protein (XIAP) expression exacerbates experimental autoimmune encephalomyelitis (EAE). <i>Journal of Neuroimmunology</i> , 2008, 203, 79-93.	2.3	17
79	Targeting Apoptosis to Treat Multiple Sclerosis. <i>Current Drug Discovery Technologies</i> , 2008, 5, 75-77.	1.2	17
80	Homeostatic state of microglia in a rat model of chronic sleep restriction. <i>Sleep</i> , 2020, 43, .	1.1	17
81	The flavonoid-enriched fraction AF4 suppresses neuroinflammation and promotes restorative gene expression in a mouse model of experimental autoimmune encephalomyelitis. <i>Journal of Neuroimmunology</i> , 2014, 268, 71-83.	2.3	16
82	The cytokine and endocannabinoid systems are co-regulated by NF- \hat{I}^2 B p65/RelA in cell culture and transgenic mouse models of Huntington's disease and in striatal tissue from Huntington's disease patients. <i>Journal of Neuroimmunology</i> , 2014, 267, 61-72.	2.3	16
83	Desensitization to substance P following intrathecal injection. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 1985, 331, 152-158.	3.0	15
84	Nitric Oxide Synthase Mediates the Ability of Darbepoetin Alfa to Improve the Cognitive Performance of STOP Null Mice. <i>Neuropsychopharmacology</i> , 2010, 35, 1718-1728.	5.4	14
85	Kainic acid-induced naip expression in the hippocampus is blocked in mice lacking TNF receptors. <i>Molecular Brain Research</i> , 2004, 123, 126-131.	2.3	13
86	Cochlear protection against cisplatin by viral transfection of X-linked inhibitor of apoptosis protein across round window membrane. <i>Gene Therapy</i> , 2015, 22, 546-552.	4.5	13
87	Inhibitor of apoptosis protein (IAP) profiling in experimental autoimmune encephalomyelitis (EAE) implicates increased XIAP in T lymphocytes. <i>Journal of Neuroimmunology</i> , 2008, 193, 94-105.	2.3	12
88	Pioglitazone is superior to quetiapine, clozapine and tamoxifen at alleviating experimental autoimmune encephalomyelitis in mice. <i>Journal of Neuroimmunology</i> , 2018, 321, 72-82.	2.3	12
89	Combined L-Dopa and Bromocriptine Therapy for Parkinson's Disease. <i>Clinical Neuropharmacology</i> , 1987, 10, 384-387.	0.7	11
90	Endogenous expression of inhibitor of apoptosis proteins in facial motoneurons of neonatal and adult rats following axotomy. <i>Neuroscience</i> , 2003, 117, 567-575.	2.3	11

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91	Disruptions of Sleep/Wake Patterns in the Stable Tubule Only Polypeptide (STOP) Null Mouse Model of Schizophrenia. <i>Schizophrenia Bulletin</i> , 2016, 42, 1207-1215.	4.3	11
92	Mechanism of action and therapeutic route for a muscular dystrophy caused by a genetic defect in lipid metabolism. <i>Nature Communications</i> , 2022, 13, 1559.	12.8	9
93	Effects of fimbria-fornix transection on calpain and choline acetyl transferase activities in the septohippocampal pathway. <i>Neuroscience</i> , 2004, 126, 927-940.	2.3	8
94	Nitric-Oxide Synthase Mediates the Ability of Darbepoetin Alfa to Attenuate Pre-Existing Spatial Working Memory Deficits in Rats Subjected to Transient Global Ischemia. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2010, 333, 437-444.	2.5	8
95	Patterns of Neuronal Activation During Development of Sodium Sensitive Hypertension in SHR. <i>Hypertension</i> , 1997, 30, 1572-1577.	2.7	8
96	Overexpression of X-Linked Inhibitor of Apoptotic Protein (XIAP) reduces age-related neuronal degeneration in the mouse cochlea. <i>Gene Therapy</i> , 2014, 21, 967-974.	4.5	7
97	Effects of IFN- β on TRAIL and Decoy Receptor Expression in Different Immune Cell Populations from MS Patients with Distinct Disease Subtypes. <i>Autoimmune Diseases</i> , 2011, 2011, 1-8.	0.6	6
98	Effect of Deletion of cIAP2 on Intestinal Microcirculation in Mouse Endotoxemia and Polybacterial Sepsis. <i>Shock</i> , 2014, 41, 454-457.	2.1	6
99	The antiparkinson action of bromocriptine in combination with levodopa. <i>Trends in Pharmacological Sciences</i> , 1986, 7, 224-225.	8.7	5
100	Sagittal Plane Kinematic Gait Analysis in C57BL/6 Mice Subjected to MOG35-55 Induced Experimental Autoimmune Encephalomyelitis. <i>Journal of Visualized Experiments</i> , 2017, , .	0.3	5
101	Neuronal mitochondrial calcium uniporter deficiency exacerbates axonal injury and suppresses remyelination in mice subjected to experimental autoimmune encephalomyelitis. <i>Experimental Neurology</i> , 2020, 333, 113430.	4.1	5
102	New methods for multiple sclerosis drug discovery. <i>Expert Opinion on Drug Discovery</i> , 2011, 6, 689-699.	5.0	4
103	Altered circadian activity and sleep/wake rhythms in the stable tubule only polypeptide (STOP) null mouse model of schizophrenia. <i>Sleep</i> , 2021, 44, .	1.1	4
104	Automated analysis of global ischemia-induced CA1 neuronal death using terminal UTP nick end labeling (TUNEL). <i>Journal of Neuroscience Methods</i> , 2002, 115, 55-61.	2.5	3
105	Programmed Cell Death. , 2009, , 455-473.		2
106	Developmental expression of the cyclin D2 splice variant in postnatal Purkinje cells of the mouse cerebellum. <i>Neuroscience Letters</i> , 2010, 477, 100-104.	2.1	2
107	Experimental autoimmune encephalomyelitis accelerates remyelination after lysophosphatidylcholine-induced demyelination in the corpus callosum. <i>Journal of Neuroimmunology</i> , 2019, 334, 576995.	2.3	2
108	Fingolimod attenuates gait deficits in mice subjected to experimental autoimmune encephalomyelitis. <i>Journal of Neuroimmunology</i> , 2022, 370, 577926.	2.3	2

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109	How do atypical antipsychotics work â€” clues from c-fos studies. <i>European Neuropsychopharmacology</i> , 1993, 3, 236-237.	0.7	0
110	Response to â€”Nitric Oxide Synthase Mediation of Darbepoetin's Cognitive Benefits: A Paradoxical Effect?â€™. <i>Neuropsychopharmacology</i> , 2012, 37, 1075-1075.	5.4	0
111	Over-expression of X-Linked Inhibitor of Apoptosis Protein Modulates Multiple Aspects of Neuronal Ca ²⁺ Signaling. <i>Neurochemical Research</i> , 2013, 38, 847-856.	3.3	0