# George S Robertson

List of Publications by Year
in descending order



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|---|---|---|---|
| 111 papers | 7,964 citations | 76031 42 h-index | 54771 88 g-index |
| 112 all docs | 112 docs citations | 112 times ranked | 7959 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Mechanism of action and therapeutic route for a muscular dystrophy caused by a genetic defect in lipid metabolism. Nature Communications, 2022, 13, 1559. | 5.8 | 9 |
| 2 | Fingolimod attenuates gait deficits in mice subjected to experimental autoimmune encephalomyelitis. Journal of Neuroimmunology, 2022, 370, 577926. | 1.1 | 2 |
| 3 | Altered circadian activity and sleep/wake rhythms in the stable tubule only polypeptide (STOP) null mouse model of schizophrenia. Sleep, 2021, 44, . | 0.6 | 4 |
| 4 | Neuronal mitochondrial calcium uniporter deficiency exacerbates axonal injury and suppresses remyelination in mice subjected to experimental autoimmune encephalomyelitis. Experimental Neurology, 2020, 333, 113430. | 2.0 | 5 |
| 5 | Homeostatic state of microglia in a rat model of chronic sleep restriction. Sleep, 2020, 43, . | 0.6 | 17 |
| 6 | The cell-permeable mitochondrial calcium uniporter inhibitor Ru265 preserves cortical neuron respiration after lethal oxygen glucose deprivation and reduces hypoxic/ischemic brain injury. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, 1172-1181. | 2.4 | 41 |
| 7 | Experimental autoimmune encephalomyelitis accelerates remyelination after lysophosphatidylcholine-induced demyelination in the corpus callosum. Journal of Neuroimmunology, 2019, 334, 576995. | 1.1 | 2 |
| 8 | Synergistic Benefits of Combined Aerobic and Cognitive Training on Fluid Intelligence and the Role of IGF-1 in Chronic Stroke. Neurorehabilitation and Neural Repair, 2019, 33, 199-212. | 1.4 | 45 |
| 9 | Tamoxifen-induced knockdown of the mitochondrial calcium uniporter in Thy1-expressing neurons protects mice from hypoxic/ischemic brain injury. Cell Death and Disease, 2018, 9, 606. | 2.7 | 42 |
| 10 | Pioglitazone is superior to quetiapine, clozapine and tamoxifen at alleviating experimental autoimmune encephalomyelitis in mice. Journal of Neuroimmunology, 2018, 321, 72-82. | 1.1 | 12 |
| 11 | Global ablation of the mitochondrial calcium uniporter increases glycolysis in cortical neurons subjected to energetic stressors. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 3027-3041. | 2.4 | 36 |
| 12 | Mitochondrial Ca2+ uptake pathways. Journal of Bioenergetics and Biomembranes, 2017, 49, 113-119. | 1.0 | 27 |
| 13 | Kinematic gait parameters are highly sensitive measures of motor deficits and spinal cord injury in mice subjected to experimental autoimmune encephalomyelitis. Behavioural Brain Research, 2017, 317, 95-108. | 1.2 | 19 |
| 14 | Sagittal Plane Kinematic Gait Analysis in C57BL/6 Mice Subjected to MOG35-55 Induced Experimental Autoimmune Encephalomyelitis. Journal of Visualized Experiments, 2017, , . | 0.2 | 5 |
| 15 | Disruptions of Sleep/Wake Patterns in the Stable Tubule Only Polypeptide (STOP) Null Mouse Model of Schizophrenia. Schizophrenia Bulletin, 2016, 42, 1207-1215. | 2.3 | 11 |
| 16 | Cochlear protection against cisplatin by viral transfection of X-linked inhibitor of apoptosis protein across round window membrane. Gene Therapy, 2015, 22, 546-552. | 2.3 | 13 |
| 17 | Synergistic neuroprotection by epicatechin and quercetin: Activation of convergent mitochondrial signaling pathways. Neuroscience, 2015, 308, 75-94. | 1.1 | 77 |
| 18 | Effect of Deletion of cIAP2 on Intestinal Microcirculation in Mouse Endotoxemia and Polybacterial Sepsis. Shock, 2014, 41, 454-457. | 1.0 | 6 |

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|---|---|---|---|
| 19 | Overexpression of X-Linked Inhibitor of Apoptotic Protein (XIAP) reduces age-related neuronal degeneration in the mouse cochlea. Gene Therapy, 2014, 21, 967-974. | 2.3 | 7 |
| 20 | The flavonoid-enriched fraction AF4 suppresses neuroinflammation and promotes restorative gene expression in a mouse model of experimental autoimmune encephalomyelitis. Journal of Neuroimmunology, 2014, 268, 71-83. | 1.1 | 16 |
| 21 | The cytokine and endocannabinoid systems are co-regulated by NF-Î°B p65/RelA in cell culture and transgenic mouse models of Huntington's disease and in striatal tissue from Huntington's disease patients. Journal of Neuroimmunology, 2014, 267, 61-72. | 1.1 | 16 |
| 22 | Over-expression of X-Linked Inhibitor of Apoptosis Protein Modulates Multiple Aspects of Neuronal Ca2+ Signaling. Neurochemical Research, 2013, 38, 847-856. | 1.6 | 0 |
| 23 | Differential effect of lithium on spermidine/spermine N1-acetyltransferase expression in suicidal behaviour. International Journal of Neuropsychopharmacology, 2013, 16, 2209-2218. | 1.0 | 21 |
| 24 | Response to â€˜Nitric Oxide Synthase Mediation of Darbepoetin's Cognitive Benefits: A Paradoxical Effect?â€™. Neuropsychopharmacology, 2012, 37, 1075-1075. | 2.8 | 0 |
| 25 | Efficient cochlear gene transfection in guinea-pigs with adeno-associated viral vectors by partial digestion of round window membrane. Gene Therapy, 2012, 19, 255-263. | 2.3 | 44 |
| 26 | Target-based selection of flavonoids for neurodegenerative disorders. Trends in Pharmacological Sciences, 2012, 33, 602-610. | 4.0 | 93 |
| 27 | Neuroprotective and Anti-Inflammatory Effects of the Flavonoid-Enriched Fraction AF4 in a Mouse Model of Hypoxic-Ischemic Brain Injury. PLoS ONE, 2012, 7, e51324. | 1.1 | 37 |
| 28 | Quantitative analysis of phenolic components and glycoalkaloids from 20 potato clones and in vitro evaluation of antioxidant, cholesterol uptake, and neuroprotective activities. Food Chemistry, 2012, 133, 1177-1187. | 4.2 | 47 |
| 29 | New methods for multiple sclerosis drug discovery. Expert Opinion on Drug Discovery, 2011, 6, 689-699. | 2.5 | 4 |
| 30 | JNK Inhibition Protects Dopamine Neurons and Provides Behavioral Improvement in a Rat 6-Hydroxydopamine Model of Parkinsonâ€™s Disease. ACS Chemical Neuroscience, 2011, 2, 207-212. | 1.7 | 40 |
| 31 | Overexpression of X-linked inhibitor of apoptosis protein protects against noise-induced hearing loss in mice. Gene Therapy, 2011, 18, 560-568. | 2.3 | 34 |
| 32 | Effects of IFN-B on TRAIL and Decoy Receptor Expression in Different Immune Cell Populations from MS Patients with Distinct Disease Subtypes. Autoimmune Diseases, 2011, 2011, 1-8. | 2.7 | 6 |
| 33 | Nitric-Oxide Synthase Mediates the Ability of Darbepoetin Alfa to Attenuate Pre-Existing Spatial Working Memory Deficits in Rats Subjected to Transient Global Ischemia. Journal of Pharmacology and Experimental Therapeutics, 2010, 333, 437-444. | 1.3 | 8 |
| 34 | Nitric Oxide Synthase Mediates the Ability of Darbepoetin Alfa to Improve the Cognitive Performance of STOP Null Mice. Neuropsychopharmacology, 2010, 35, 1718-1728. | 2.8 | 14 |
| 35 | Developmental expression of the cyclin D2 splice variant in postnatal Purkinje cells of the mouse cerebellum. Neuroscience Letters, 2010, 477, 100-104. | 1.0 | 2 |
| 36 | Over-expression of X-linked inhibitor of apoptosis protein slows presbycusis in C57BL/6J mice. Neurobiology of Aging, 2010, 31, 1238-1249. | 1.5 | 34 |

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|---|---|---|---|
| 37 | Human Kallikrein 6 Cerebrospinal Levels are Elevated in Multiple Sclerosis. Current Drug Discovery Technologies, 2010, 7, 137-140. | 0.6 | 26 |
| 38 | Triptolide: An inhibitor of a disintegrin and metalloproteinase 10 (ADAM10) in cancer cells. Cancer Biology and Therapy, 2009, 8, 2054-2062. | 1.5 | 43 |
| 39 | Elevated ATG5 expression in autoimmune demyelination and multiple sclerosis. Autophagy, 2009, 5, 152-158. | 4.3 | 132 |
| 40 | Programmed Cell Death. , 2009, , 455-473. | | 2 |
| 41 | Lack of TIMP-1 increases severity of experimental autoimmune encephalomyelitis: Effects of darbepoetin alfa on TIMP-1 null and wild-type mice. Journal of Neuroimmunology, 2009, 211, 92-100. | 1.1 | 41 |
| 42 | Expression of the inhibitor of apoptosis protein family in multiple sclerosis reveals a potential immunomodulatory role during autoimmune mediated demyelination. Multiple Sclerosis Journal, 2008, 14, 577-594. | 1.4 | 34 |
| 43 | Inhibitor of apoptosis protein (IAP) profiling in experimental autoimmune encephalomyelitis (EAE) implicates increased XIAP in T lymphocytes. Journal of Neuroimmunology, 2008, 193, 94-105. | 1.1 | 12 |
| 44 | Increased X-linked inhibitor of apoptosis protein (XIAP) expression exacerbates experimental autoimmune encephalomyelitis (EAE). Journal of Neuroimmunology, 2008, 203, 79-93. | 1.1 | 17 |
| 45 | Delayed administration of a potent cyclin dependent kinase and glycogen synthase kinase 3 Î² inhibitor produces long-term neuroprotection in a hypoxia-ischemia model of brain injury. Neuroscience, 2008, 155, 864-875. | 1.1 | 20 |
| 46 | Quercetin 3-Glucoside Protects Neuroblastoma (SH-SY5Y) Cells in Vitro against Oxidative Damage by Inducing Sterol Regulatory Element-binding Protein-2-mediated Cholesterol Biosynthesis. Journal of Biological Chemistry, 2008, 283, 2231-2245. | 1.6 | 56 |
| 47 | Targeting Apoptosis to Treat Multiple Sclerosis. Current Drug Discovery Technologies, 2008, 5, 75-77. | 0.6 | 17 |
| 48 | X-linked Inhibitor of Apoptosis Regulates T Cell Effector Function. Journal of Immunology, 2007, 179, 7553-7560. | 0.4 | 25 |
| 49 | Cognitive impairments in the STOP null mouse model of schizophrenia.. Behavioral Neuroscience, 2007, 121, 826-835. | 0.6 | 46 |
| 50 | Caspase-3 cleaved spectrin colocalizes with neurofilament-immunoreactive neurons in Alzheimerâ€™s disease. Neuroscience, 2006, 141, 863-874. | 1.1 | 27 |
| 51 | Increased expression of the adipokine genes resistin and fasting-induced adipose factor in hypoxic/ischaemic mouse brain. NeuroReport, 2006, 17, 1195-1198. | 0.6 | 36 |
| 52 | Neonatal Ventral Hippocampal Lesions Produce an Elevation of Î”FosB-Like Protein(s) in the Rodent Neocortex. Neuropsychopharmacology, 2006, 31, 700-711. | 2.8 | 19 |
| 53 | Schizophrenia: an integrative approach to modelling a complex disorder. Journal of Psychiatry and Neuroscience, 2006, 31, 157-67. | 1.4 | 22 |
| 54 | Effects of minocycline and tetracycline on retinal ganglion cell survival after axotomy. Neuroscience, 2005, 134, 575-582. | 1.1 | 56 |

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|---|---|---|---|
| 55 | Neuroprotective effects of M826, a reversible caspase-3 inhibitor, in the rat malonate model of Huntington's disease. British Journal of Pharmacology, 2004, 141, 689-697. | 2.7 | 53 |
| 56 | Clozapine-, but not haloperidol-, induced increases in Î”FosB-like immunoreactivity are completely blocked in the striatum of mice lacking D3 dopamine receptors. European Journal of Neuroscience, 2004, 20, 3189-3194. | 1.2 | 24 |
| 57 | Effects of fimbria-fornix transection on calpain and choline acetyl transferase activities in the septohippocampal pathway. Neuroscience, 2004, 126, 927-940. | 1.1 | 8 |
| 58 | Kainic acid-induced naip expression in the hippocampus is blocked in mice lacking TNF receptors. Molecular Brain Research, 2004, 123, 126-131. | 2.5 | 13 |
| 59 | Endogenous expression of inhibitor of apoptosis proteins in facial motoneurons of neonatal and adult rats following axotomy. Neuroscience, 2003, 117, 567-575. | 1.1 | 11 |
| 60 | Suppression of Rho-kinase activity promotes axonal growth on inhibitory CNS substrates. Molecular and Cellular Neurosciences, 2003, 22, 405-416. | 1.0 | 214 |
| 61 | Inhibition of Calpains Prevents Neuronal and Behavioral Deficits in an MPTP Mouse Model of Parkinson's Disease. Journal of Neuroscience, 2003, 23, 4081-4091. | 1.7 | 265 |
| 62 | Selective, Reversible Caspase-3 Inhibitor Is Neuroprotective and Reveals Distinct Pathways of Cell Death after Neonatal Hypoxic-ischemic Brain Injury. Journal of Biological Chemistry, 2002, 277, 30128-30136. | 1.6 | 163 |
| 63 | Immunohistochemical and biochemical assessment of caspase-3 activation and DNA fragmentation following transient focal ischemia in the rat. Neuroscience, 2002, 115, 125-136. | 1.1 | 110 |
| 64 | Automated analysis of global ischemia-induced CA1 neuronal death using terminal UTP nick end labeling (TUNEL). Journal of Neuroscience Methods, 2002, 115, 55-61. | 1.3 | 3 |
| 65 | Repeated ventral tegmental area amphetamine administration alters dopamine D1 receptor signaling in the nucleus accumbens. Synapse, 2002, 45, 159-170. | 0.6 | 40 |
| 66 | Caspaseâ€cleaved Amyloid Precursor Protein in Alzheimer's Disease. Brain Pathology, 2002, 12, 430-441. | 2.1 | 37 |
| 67 | Neuronal Apoptosis Inhibitory Protein Expression after Traumatic Brain Injury in the Mouse. Journal of Neurotrauma, 2001, 18, 1333-1347. | 1.7 | 39 |
| 68 | Caspase 3 Deficiency Rescues Peripheral Nervous System Defect in Retinoblastoma Nullizygous Mice. Journal of Neuroscience, 2001, 21, 7089-7098. | 1.7 | 34 |
| 69 | NAIP protects the nigrostriatal dopamine pathway in an intrastriatal 6-OHDA rat model of Parkinson's disease. European Journal of Neuroscience, 2001, 14, 391-400. | 1.2 | 72 |
| 70 | Localization of phosphodiesterase-4 isoforms in the medulla and nodose ganglion of the squirrel monkey. Brain Research, 2001, 920, 84-96. | 1.1 | 67 |
| 71 | Caspase-3 is activated following axotomy of neonatal facial motoneurons and caspase-3 gene deletion delays axotomy-induced cell death in rodents. European Journal of Neuroscience, 2000, 12, 3469-3480. | 1.2 | 45 |
| 72 | Neuroprotection by the Inhibition of Apoptosis. Brain Pathology, 2000, 10, 283-292. | 2.1 | 203 |

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|---|---|---|---|
| 73 | E2F1 Mediates Death of B-amyloid-treated Cortical Neurons in a Manner Independent of p53 and Dependent on Bax and Caspase 3. Journal of Biological Chemistry, 2000, 275, 11553-11560. | 1.6 | 195 |
| 74 | Involvement of Caspase 3 in Apoptotic Death of Cortical Neurons Evoked by DNA Damage. Molecular and Cellular Neurosciences, 2000, 15, 368-379. | 1.0 | 89 |
| 75 | Dopamine-receptor stimulation: biobehavioral and biochemical consequences. Trends in Neurosciences, 2000, 23, S92-S100. | 4.2 | 79 |
| 76 | Bax-Dependent Caspase-3 Activation Is a Key Determinant in p53-Induced Apoptosis in Neurons. Journal of Neuroscience, 1999, 19, 7860-7869. | 1.7 | 352 |
| 77 | Attenuation of Ischemia-Induced Cellular and Behavioral Deficits by X Chromosome-Linked Inhibitor of Apoptosis Protein Overexpression in the Rat Hippocampus. Journal of Neuroscience, 1999, 19, 5026-5033. | 1.7 | 199 |
| 78 | Involvement of Caspases in Proteolytic Cleavage of Alzheimerâ€™s Amyloid-Î² Precursor Protein and Amyloidogenic AÎ² Peptide Formation. Cell, 1999, 97, 395-406. | 13.5 | 772 |
| 79 | Increased Mdm2 Expression in Rat Brain after Transient Middle Cerebral Artery Occlusion. Journal of Cerebral Blood Flow and Metabolism, 1998, 18, 658-669. | 2.4 | 32 |
| 80 | Immediate-early gene expression in the brain of the thiamine-deficient rat. Journal of Molecular Neuroscience, 1998, 10, 1-15. | 1.1 | 18 |
| 81 | D1-receptor-related priming is attenuated by antisense-meditated `knockdown' of fosB expression. Molecular Brain Research, 1998, 53, 69-77. | 2.5 | 27 |
| 82 | Ischemia-induced CA1 neuronal death is preceded by elevated FosB and Jun expression and reduced NGFI-A and JunB levels. Molecular Brain Research, 1998, 56, 146-161. | 2.5 | 26 |
| 83 | Local Transcriptional Control of Utrophin Expression at the Neuromuscular Synapse. Journal of Biological Chemistry, 1997, 272, 8117-8120. | 1.6 | 72 |
| 84 | Patterns of Neuronal Activation During Development of Sodium Sensitive Hypertension in SHR. Hypertension, 1997, 30, 1572-1577. | 1.3 | 8 |
| 85 | Effects of Olanzapine on Regional C-Fos Expression in Rat Forebrain. Neuropsychopharmacology, 1996, 14, 105-110. | 2.8 | 126 |
| 86 | Chronic Alterations in Dopaminergic Neurotransmission Produce a Persistent Elevation of Î”FosB-like Protein(s) in both the Rodent and Primate Striatum. European Journal of Neuroscience, 1996, 8, 365-381. | 1.2 | 178 |
| 87 | 7-OH-DPAT Differentially Reverses Clozapine- and Haloperidol-induced Increases in Fos-like Immunoreactivity in the Rodent Forebrain. European Journal of Neuroscience, 1996, 8, 2605-2611. | 1.2 | 23 |
| 88 | Contrasting Effects of Chronic Clozapine, SeroquelTM(ICI 204,636) and Haloperidol Administration on Î”FosB-like Immunoreactivity in the Rodent Forebrain. European Journal of Neuroscience, 1996, 8, 927-936. | 1.2 | 47 |
| 89 | c-fos mediates antipsychotic-induced neurotensin gene expression in the rodent striatum. Neuroscience, 1995, 67, 325-344. | 1.1 | 51 |
| 90 | D1 and D2 dopamine receptors differentially increase fos-like immunoreactivity in accumbal projections to the ventral pallidum and midbrain. Neuroscience, 1995, 64, 1019-1034. | 1.1 | 133 |

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|---|---|---|---|
| 91 | D1 dopamine receptor agonist-induced fos-like immunoreactivity occurs in basal forebrain and mesopontine tegmentum cholinergic neurons and striatal neurons immunoreactive for neuropeptide Y. Neuroscience, 1994, 59, 375-387. | 1.1 | 17 |
| 92 | Destruction of the nigrostriatal pathway increases Fos-like immunoreactivity predominantly in striatopallidal neurons. Molecular Brain Research, 1993, 19, 156-160. | 2.5 | 40 |
| 93 | How do atypical antipsychotics work â€" clues from c-fos studies. European Neuropsychopharmacology, 1993, 3, 236-237. | 0.3 | 0 |
| 94 | Neuroleptics increase C-FOS expression in the forebrain: Contrasting effects of haloperidol and clozapine. Neuroscience, 1992, 46, 315-328. | 1.1 | 465 |
| 95 | D1 and D2 dopamine receptors differentially regulate c-fos expression in striatonigral and striatopallidal neurons. Neuroscience, 1992, 49, 285-296. | 1.1 | 325 |
| 96 | Scopolamine attenuates haloperidol-induced c-fos expression in the striatum. Brain Research, 1992, 588, 164-167. | 1.1 | 48 |
| 97 | Lesions of the mesotelencephalic dopamine system enhance the effects of selective dopamine D1 and D2 receptor agonists on striatal acetylcholine release. European Journal of Pharmacology, 1992, 219, 323-325. | 1.7 | 30 |
| 98 | Sexual behavior increases c-fos expression in the forebrain of the male rat. Brain Research, 1991, 564, 352-357. | 1.1 | 162 |
| 99 | Dopaminergic grafts in the striatum reduce D1 but not D2 receptor-mediated rotation in 6-OHDA-lesioned rats. Brain Research, 1991, 539, 304-311. | 1.1 | 30 |
| 100 | Characterization of dopamine release in the substantia nigra by in vivo microdialysis in freely moving rats. Journal of Neuroscience, 1991, 11, 2209-2216. | 1.7 | 144 |
| 101 | D2 dopamine receptor antagonists induce fos and related proteins in rat striatal neurons. Neuroscience, 1990, 37, 287-294. | 1.1 | 346 |
| 102 | Dopamine D1 receptor stimulation increases striatal acetylcholine release in the rat. European Journal of Pharmacology, 1990, 186, 335-338. | 1.7 | 97 |
| 103 | Striatonigral projection neurons contain D1 dopamine receptor-activated c-fos. Brain Research, 1990, 523, 288-290. | 1.1 | 168 |
| 104 | Evidence that L-dopa-induced rotational behavior is dependent on both striatal and nigral mechanisms. Journal of Neuroscience, 1989, 9, 3326-3331. | 1.7 | 185 |
| 105 | D1-dopamine receptor agonists selectively activate striatal c-fos independent of rotational behaviour. Brain Research, 1989, 503, 346-349. | 1.1 | 281 |
| 106 | Evidence that the substantia nigra is a site of action for l-DOPA. Neuroscience Letters, 1988, 89, 204-208. | 1.0 | 62 |
| 107 | Combined L-Dopa and Bromocriptine Therapy for ParkinsonÊ¼s Disease. Clinical Neuropharmacology, 1987, 10, 384-387. | 0.2 | 11 |
| 108 | D1 and D2 dopamine agonist synergism: separate sites of action?. Trends in Pharmacological Sciences, 1987, 8, 295-299. | 4.0 | 88 |

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|---|---|---|---|
| 109 | Synergistic effects of D1 and D2 dopamine agonists on turning behaviour in rats. Brain Research, 1986, 384, 387-390. | 1.1 | 185 |
| 110 | The antiparkinson action of bromocriptine in combination with levodopa. Trends in Pharmacological Sciences, 1986, 7, 224-225. | 4.0 | 5 |
| 111 | Desensitization to substance P following intrathecal injection. Naunyn-Schmiedeberg's Archives of Pharmacology, 1985, 331, 152-158. | 1.4 | 15 |