

# William P Gray

## List of Publications by Year in descending order

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Version: 2024-02-01

70  
papers

2,541  
citations

236612

25  
h-index

197535

49  
g-index

74  
all docs

74  
docs citations

74  
times ranked

3108  
citing authors

#	ARTICLE	IF	CITATIONS
1	Kainic acid increases the proliferation of granule cell progenitors in the dentate gyrus of the adult rat. <i>Brain Research</i> , 1998, 790, 52-59.	1.1	331
2	Neuropeptide $\epsilon$ Y stimulates neuronal precursor proliferation in the postnatal and adult dentate gyrus. <i>Journal of Neurochemistry</i> , 2005, 93, 560-570.	2.1	174
3	Seizures preferentially stimulate proliferation of radial glia-like astrocytes in the adult dentate gyrus: functional and immunocytochemical analysis. <i>European Journal of Neuroscience</i> , 2003, 18, 2769-2778.	1.2	173
4	Neuropeptide Y is neuroproliferative for post-natal hippocampal precursor cells. <i>Journal of Neurochemistry</i> , 2003, 86, 646-659.	2.1	166
5	Low protein diet fed exclusively during mouse oocyte maturation leads to behavioural and cardiovascular abnormalities in offspring. <i>Journal of Physiology</i> , 2008, 586, 2231-2244.	1.3	165
6	Neuropeptide Y is important for basal and seizure-induced precursor cell proliferation in the hippocampus. <i>Neurobiology of Disease</i> , 2007, 26, 174-188.	2.1	96
7	Opportunities for improving animal welfare in rodent models of epilepsy and seizures. <i>Journal of Neuroscience Methods</i> , 2016, 260, 2-25.	1.3	93
8	Relevance of Seizure-Induced Neurogenesis in Animal Models of Epilepsy to the Etiology of Temporal Lobe Epilepsy. <i>Epilepsia</i> , 2007, 48, 33-41.	2.6	90
9	Prospective, multicentre study of external ventricular drainage-related infections in the UK and Ireland. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2018, 89, 120-126.	0.9	86
10	Maternal low-protein diet during mouse pre-implantation development induces vascular dysfunction and altered renin-angiotensin-system homeostasis in the offspring. <i>British Journal of Nutrition</i> , 2010, 103, 1762-1770.	1.2	78
11	Very good inter-rater reliability of Engel and ILAE epilepsy surgery outcome classifications in a series of 76 patients. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2011, 20, 809-812.	0.9	73
12	Neuropeptides and hippocampal neurogenesis. <i>Neuropeptides</i> , 2013, 47, 431-438.	0.9	57
13	Cognitive deficits and brain myo-Inositol are early biomarkers of epileptogenesis in a rat model of epilepsy. <i>Neurobiology of Disease</i> , 2016, 93, 146-155.	2.1	54
14	Does Drain Position and Duration Influence Outcomes in Patients Undergoing Burr-Hole Evacuation of Chronic Subdural Hematoma? Lessons from a UK Multicenter Prospective Cohort Study. <i>Neurosurgery</i> , 2019, 85, 486-493.	0.6	45
15	Endogenous GFAP-Positive Neural Stem/Progenitor Cells in the Postnatal Mouse Cortex Are Activated following Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2012, 29, 828-842.	1.7	39
16	The Neurotransmitter VIP Expands the Pool of Symmetrically Dividing Postnatal Dentate Gyrus Precursors via VPAC2 Receptors or Directs Them Toward a Neuronal Fate via VPAC1 Receptors. <i>Stem Cells</i> , 2009, 27, 2539-2551.	1.4	37
17	Seizure induced dentate neurogenesis does not diminish with age in rats. <i>Neuroscience Letters</i> , 2002, 330, 235-238.	1.0	36
18	A Clinical Study of Parenchymal and Subdural Miniature Strain-Gauge Transducers for Monitoring Intracranial Pressure. <i>Neurosurgery</i> , 1996, 39, 927-932.	0.6	35

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19	Microglial VPAC1R mediates a novel mechanism of neuroimmune-modulation of hippocampal precursor cells via IL-4 release. <i>Glia</i> , 2014, 62, 1313-1327.	2.5	35
20	Selective temporal resections and spatial memory impairment: Cue dependent lateralization effects. <i>Behavioural Brain Research</i> , 2010, 208, 535-544.	1.2	34
21	GalR2/3 mediates proliferative and trophic effects of galanin on postnatal hippocampal precursors. <i>Journal of Neurochemistry</i> , 2011, 117, 425-436.	2.1	30
22	Detecting microstructural deviations in individuals with deep diffusion MRI tractometry. <i>Nature Computational Science</i> , 2021, 1, 598-606.	3.8	30
23	Persistent and intractable ventriculitis due to retained ventricular catheters. <i>British Journal of Neurosurgery</i> , 2005, 19, 496-501.	0.4	29
24	Intracellular Nitric Oxide Mediates Neuroproliferative Effect of Neuropeptide Y on Postnatal Hippocampal Precursor Cells. <i>Journal of Biological Chemistry</i> , 2012, 287, 20187-20196.	1.6	29
25	Fluoxetine restores spatial learning but not accelerated forgetting in mesial temporal lobe epilepsy. <i>Brain</i> , 2012, 135, 2358-2374.	3.7	28
26	Proposal for a prospective multi-centre audit of chronic subdural haematoma management in the United Kingdom and Ireland. <i>British Journal of Neurosurgery</i> , 2014, 28, 199-203.	0.4	26
27	Examination of granule layer cell count, cell density, and single-pulse brdu incorporation in rat organotypic hippocampal slice cultures with respect to culture medium, septotemporal position, and time in vitro. <i>Journal of Comparative Neurology</i> , 2006, 497, 397-415.	0.9	24
28	CAPTURE 2 risk-adjusted stroke outcome benchmarks for carotid artery stenting with distal embolic protection. <i>Journal of Vascular Surgery</i> , 2010, 52, 576-583.e2.	0.6	24
29	Polarized distribution of AMPA, but not GABA <sub>A</sub> , receptors in radial glia-like cells of the adult dentate gyrus. <i>Glia</i> , 2013, 61, 1146-1154.	2.5	24
30	Report of a National Neurosurgical Emergency Teleconsulting System. <i>Neurosurgery</i> , 1998, 42, 103-107.	0.6	22
31	Dentate gyrus progenitor cell proliferation after the onset of spontaneous seizures in the tetanus toxin model of temporal lobe epilepsy. <i>Neurobiology of Disease</i> , 2013, 54, 492-498.	2.1	22
32	The Effectiveness of Virtual Reality Interventions for Improvement of Neurocognitive Performance After Traumatic Brain Injury: A Systematic Review. <i>Journal of Head Trauma Rehabilitation</i> , 2019, 34, E52-E65.	1.0	22
33	NPY augments the proliferative effect of FGF2 and increases the expression of FGFR1 on nestin positive postnatal hippocampal precursor cells, via the Y1 receptor. <i>Journal of Neurochemistry</i> , 2010, 113, 615-627.	2.1	20
34	Plasticity of neuropeptide Y in the dentate gyrus after seizures, and its relevance to seizure-induced neurogenesis. , 2006, , 193-211.		20
35	Neuropeptide Y signalling on hippocampal stem cells in health and disease. <i>Molecular and Cellular Endocrinology</i> , 2008, 288, 52-62.	1.6	19
36	A-Disintegrin and Metalloprotease (ADAM) 10 and 17 promote self-renewal of brain tumor sphere forming cells. <i>Cancer Letters</i> , 2012, 326, 79-87.	3.2	19

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37	Seizure-induced miosis. <i>Epilepsia</i> , 2011, 52, e199-e203.	2.6	17
38	Kainic acid induces rapid cell death followed by transiently reduced cell proliferation in the immature granule cell layer of rat organotypic hippocampal slice cultures. <i>Brain Research</i> , 2005, 1035, 111-119.	1.1	16
39	Interrater reliability of Engel, International League Against Epilepsy, and McHugh seizure outcome classifications following vagus nerve stimulator implantation. <i>Journal of Neurosurgery: Pediatrics</i> , 2012, 10, 226-229.	0.8	14
40	Transylvian selective amygdalohippocampectomy in children with hippocampal sclerosis: Seizure, intellectual and memory outcome. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2012, 21, 699-705.	0.9	14
41	NPY mediates basal and seizure-induced proliferation in the subcallosal zone. <i>NeuroReport</i> , 2007, 18, 1005-1008.	0.6	13
42	Haploinsufficiency of the schizophrenia and autism risk gene <i>Cyfp1</i> causes abnormal postnatal hippocampal neurogenesis through microglial and Arp2/3 mediated actin dependent mechanisms. <i>Translational Psychiatry</i> , 2021, 11, 313.	2.4	13
43	IL-1 $\beta$ and HMGB1 are anti-neurogenic to endogenous neural stem cells in the sclerotic epileptic human hippocampus. <i>Journal of Neuroinflammation</i> , 2021, 18, 218.	3.1	13
44	Protocol for an open label: phase I trial within a cohort of foetal cell transplants in people with Huntington's disease. <i>Brain Communications</i> , 2021, 3, fcaa230.	1.5	12
45	Chopping and changing: long-term results of epilepsy surgery. <i>Lancet, The</i> , 2011, 378, 1360-1362.	6.3	11
46	Complement C3 and C3aR mediate different aspects of emotional behaviours; relevance to risk for psychiatric disorder. <i>Brain, Behavior, and Immunity</i> , 2022, 99, 70-82.	2.0	11
47	Nitric Oxide Regulation of Adult Neurogenesis. <i>Vitamins and Hormones</i> , 2014, 96, 59-77.	0.7	9
48	Toll-like receptor linked cytokine profiles in cerebrospinal fluid discriminate neurological infection from sterile inflammation. <i>Brain Communications</i> , 2020, 2, fcaa218.	1.5	9
49	AMPA receptors and seizures mediate hippocampal radial glia-like stem cell proliferation. <i>Glia</i> , 2018, 66, 2397-2413.	2.5	8
50	Transcriptional programs regulating neuronal differentiation are disrupted in <i>DLG2</i> knockout human embryonic stem cells and enriched for schizophrenia and related disorders risk variants. <i>Nature Communications</i> , 2022, 13, 27.	5.8	8
51	Dissociable effects of complement C3 and C3aR on survival and morphology of adult born hippocampal neurons, pattern separation, and cognitive flexibility in male mice. <i>Brain, Behavior, and Immunity</i> , 2021, 98, 136-150.	2.0	7
52	Translating cell therapies for neurodegenerative diseases: Huntington's disease as a model disorder. <i>Brain</i> , 2022, 145, 1584-1597.	3.7	7
53	External ventricular drainage: Is it time to look at national practice?. <i>British Journal of Neurosurgery</i> , 2015, 29, 9-10.	0.4	5
54	Miniature standoff Raman probe for neurosurgical applications. <i>Journal of Biomedical Optics</i> , 2016, 21, 087002.	1.4	5

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55	GalR3 mediates galanin proliferative effects on postnatal hippocampal precursors. <i>Neuropeptides</i> , 2017, 63, 14-17.	0.9	5
56	Glycyrrhizin Blocks the Detrimental Effects of HMGB1 on Cortical Neurogenesis after Traumatic Neuronal Injury. <i>Brain Sciences</i> , 2020, 10, 760.	1.1	5
57	Motor nerve transplantation. <i>Journal of Neurosurgery</i> , 1997, 87, 615-624.	0.9	4
58	Bilingual aphasia due to spontaneous acute subdural haematoma from a ruptured intracranial infectious aneurysm. <i>Clinical Neurology and Neurosurgery</i> , 2008, 110, 823-827.	0.6	4
59	Stem cells in the adult human brain. <i>British Journal of Neurosurgery</i> , 2011, 25, 28-37.	0.4	4
60	Academic neurosurgery in the UK: present and future directions. <i>Postgraduate Medical Journal</i> , 2019, 95, 524-530.	0.9	4
61	Chronic subdural haematoma: How can we improve patient care and outcomes?. <i>British Journal of Neurosurgery</i> , 2014, 28, 136-137.	0.4	3
62	Improving the Predictions of Computational Models of Convection-Enhanced Drug Delivery by Accounting for Diffusion Non-gaussianity. <i>Frontiers in Neurology</i> , 2018, 9, 1092.	1.1	3
63	Cell Therapy for Huntington's Disease: Learning from Failure. <i>Movement Disorders</i> , 2021, 36, 787-788.	2.2	3
64	Do foetal transplant studies continue to be justified in Huntington's disease?. <i>Neuronal Signaling</i> , 2021, 5, NS20210019.	1.7	2
65	Retinotopic fMRI and tumour resection in a case with occipital lobe epilepsy. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2016, 41, 175-178.	0.9	1
66	A protocol for a randomised controlled, double-blind feasibility trial investigating fluoxetine treatment in improving memory and learning impairments in patients with mesial temporal lobe epilepsy: Fluoxetine, Learning and Memory in Epilepsy (FLAME trial). <i>Pilot and Feasibility Studies</i> , 2019, 5, 87.	0.5	1
67	C-reactive protein kinetics post elective cranial surgery. A prospective observational study. <i>British Journal of Neurosurgery</i> , 2020, 34, 46-50.	0.4	1
68	Long-term outcomes after epilepsy surgery, a retrospective cohort study linking patient-reported outcomes and routine healthcare data. <i>Epilepsy and Behavior</i> , 2020, 111, 107196.	0.9	1
69	NPY and Hippocampal Neurogenesis. , 2005, , 201-222.		0
70	Glia and Hippocampal Neurogenesis in the Normal, Aged and Epileptic Brain. , 2007, , 375-390.		0