

# Gavin L Woodhall

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7794568/publications.pdf>

Version: 2024-02-01

42  
papers

1,432  
citations

331259

21  
h-index

344852

36  
g-index

44  
all docs

44  
docs citations

44  
times ranked

1992  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dual effects of gabapentin and pregabalin on glutamate release at rat entorhinal synapses in vitro. <i>European Journal of Neuroscience</i> , 2004, 20, 1566-1576.	1.2	129
2	Functional CB2 type cannabinoid receptors at CNS synapses. <i>Neuropharmacology</i> , 2009, 57, 356-368.	2.0	127
3	NR2B-Containing NMDA Autoreceptors at Synapses on Entorhinal Cortical Neurons. <i>Journal of Neurophysiology</i> , 2001, 86, 1644-1651.	0.9	124
4	Tonic Facilitation of Glutamate Release by Presynaptic NR2B-Containing NMDA Receptors Is Increased in the Entorhinal Cortex of Chronically Epileptic Rats. <i>Journal of Neuroscience</i> , 2006, 26, 406-410.	1.7	98
5	GABA(A) alpha-1 subunit mediated desynchronization of elevated low frequency oscillations alleviates specific dysfunction in stroke – A case report. <i>Clinical Neurophysiology</i> , 2010, 121, 549-555.	0.7	65
6	Functional characterization of GABAergic pallidopallidal and striatopallidal synapses in the rat globus pallidus <i>in vitro</i> . <i>European Journal of Neuroscience</i> , 2008, 28, 2401-2408.	1.2	53
7	Oscillatory Beta Activity Mediates Neuroplastic Effects of Motor Cortex Stimulation in Humans. <i>Journal of Neuroscience</i> , 2013, 33, 7919-7927.	1.7	52
8	Membrane Potential and Intracellular Ca <sup>2+</sup> Oscillations Activated by mGluRs in Hippocampal Stratum Oriens/Alveus Interneurons. <i>Journal of Neurophysiology</i> , 1999, 81, 371-382.	0.9	50
9	Human brain slices for epilepsy research: Pitfalls, solutions and future challenges. <i>Journal of Neuroscience Methods</i> , 2016, 260, 221-232.	1.3	50
10	Valproate modifies spontaneous excitation and inhibition at cortical synapses in vitro. <i>Neuropharmacology</i> , 2003, 45, 907-917.	2.0	46
11	Neurokinin-receptor-mediated depolarization of cortical neurons elicits an increase in glutamate release at excitatory synapses. <i>European Journal of Neuroscience</i> , 2002, 16, 1896-1906.	1.2	40
12	Activation of Presynaptic Group III Metabotropic Receptors Enhances Glutamate Release in Rat Entorhinal Cortex. <i>Journal of Neurophysiology</i> , 2000, 83, 2519-2525.	0.9	39
13	Differential Actions of PKA and PKC in the Regulation of Glutamate Release by Group III mGluRs in the Entorhinal Cortex. <i>Journal of Neurophysiology</i> , 2001, 85, 571-579.	0.9	38
14	Phase-amplitude coupled persistent theta and gamma oscillations in rat primary motor cortex <i>in vitro</i> . <i>Neuropharmacology</i> , 2017, 119, 141-156.	2.0	33
15	Spike Firing and IPSPs in Layer V Pyramidal Neurons during Beta Oscillations in Rat Primary Motor Cortex (M1) <i>In Vitro</i> . <i>PLoS ONE</i> , 2014, 9, e85109.	1.1	32
16	Fundamental differences in spontaneous synaptic inhibition between deep and superficial layers of the rat entorhinal cortex. <i>Hippocampus</i> , 2005, 15, 232-245.	0.9	31
17	Depression of Glutamate and GABA Release by Presynaptic GABA <sub>B</sub> Receptors in the Entorhinal Cortex in Normal and Chronically Epileptic Rats. <i>NeuroSignals</i> , 2006, 15, 202-215.	0.5	31
18	SYMPOSIUM REPORT. Background synaptic activity in rat entorhinal cortical neurones: differential control of transmitter release by presynaptic receptors. <i>Journal of Physiology</i> , 2005, 562, 107-120.	1.3	28

#	ARTICLE	IF	CITATIONS
19	Depolarisation and suppression of burst firing activity in the mouse subthalamic nucleus by dopamine D1/D5 receptor activation of a cyclic-nucleotide gated non-specific cation conductance. <i>Neuropharmacology</i> , 2008, 55, 94-105.	2.0	28
20	A Multimodal Perspective on the Composition of Cortical Oscillations. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 132.	1.0	24
21	Cortical oscillatory dynamics and benzodiazepine-site modulation of tonic inhibition in fast spiking interneurons. <i>Neuropharmacology</i> , 2015, 95, 192-205.	2.0	24
22	A Low Mortality, High Morbidity Reduced Intensity Status Epilepticus (RISE) Model of Epilepsy and Epileptogenesis in the Rat. <i>PLoS ONE</i> , 2016, 11, e0147265.	1.1	23
23	Interneuron-specific Ca <sup>2+</sup> Responses Linked to Metabotropic and Ionotropic Glutamate Receptors in Rat Hippocampal Slices. <i>European Journal of Neuroscience</i> , 1997, 9, 1625-1635.	1.2	21
24	Multimodal electrophysiological analyses reveal that reduced synaptic excitatory neurotransmission underlies seizures in a model of NMDAR antibody-mediated encephalitis. <i>Communications Biology</i> , 2021, 4, 1106.	2.0	20
25	Encephalitis patient-derived monoclonal GABA <sub>A</sub> receptor antibodies cause epileptic seizures. <i>Journal of Experimental Medicine</i> , 2021, 218, .	4.2	19
26	Lamina-specific differences in GABA <sub>B</sub> autoreceptor-mediated regulation of spontaneous GABA release in rat entorhinal cortex. <i>Neuropharmacology</i> , 2004, 46, 31-42.	2.0	18
27	Mobility of NMDA autoreceptors but not postsynaptic receptors at glutamate synapses in the rat entorhinal cortex. <i>Journal of Physiology</i> , 2008, 586, 4905-4924.	1.3	18
28	Dopamine acting at D1-like, D2-like and $\alpha$ 1-adrenergic receptors differentially modulates theta and gamma oscillatory activity in primary motor cortex. <i>PLoS ONE</i> , 2017, 12, e0181633.	1.1	18
29	Modulation of Network Oscillatory Activity and GABAergic Synaptic Transmission by CB1 Cannabinoid Receptors in the Rat Medial Entorhinal Cortex. <i>Neural Plasticity</i> , 2008, 2008, 1-12.	1.0	16
30	Kainate and AMPA receptors in epilepsy: Cell biology, signalling pathways and possible crosstalk. <i>Neuropharmacology</i> , 2021, 195, 108569.	2.0	16
31	Differential control of two forms of glutamate release by group III metabotropic glutamate receptors at rat entorhinal synapses. <i>Neuroscience</i> , 2007, 148, 7-21.	1.1	14
32	Reducing suffering in experimental autoimmune encephalomyelitis (EAE). <i>Journal of Pharmacological and Toxicological Methods</i> , 2013, 67, 169-176.	0.3	14
33	Changes in excitatory and inhibitory receptor expression and network activity during induction and establishment of epilepsy in the rat Reduced Intensity Status Epilepticus (RISE) model. <i>Neuropharmacology</i> , 2019, 158, 107728.	2.0	14
34	Abolishing spontaneous epileptiform activity in human brain tissue through AMPA receptor inhibition. <i>Annals of Clinical and Translational Neurology</i> , 2020, 7, 883-890.	1.7	12
35	Ethosuximide modifies network excitability in the rat entorhinal cortex via an increase in GABA release. <i>Neuropharmacology</i> , 2012, 62, 807-814.	2.0	11
36	Bradykinesia Is Driven by Cumulative Beta Power During Continuous Movement and Alleviated by GABAergic Modulation in Parkinson's Disease. <i>Frontiers in Neurology</i> , 2019, 10, 1298.	1.1	11

#	ARTICLE	IF	CITATIONS
37	Reducing suffering in animal models and procedures involving seizures, convulsions and epilepsy. <i>Journal of Pharmacological and Toxicological Methods</i> , 2013, 67, 9-15.	0.3	10
38	Synaptically Activated Calcium Responses in Dendrites of Hippocampal Oriens-Alveus Interneurons. <i>Journal of Neurophysiology</i> , 2001, 85, 1603-1613.	0.9	9
39	Astroglial d-serine is the endogenous co-agonist at the presynaptic NMDA receptor in rat entorhinal cortex. <i>Neuropharmacology</i> , 2014, 83, 118-127.	2.0	8
40	Background Synaptic Activity in Rat Entorhinal Cortex Shows a Progressively Greater Dominance of Inhibition over Excitation from Deep to Superficial Layers. <i>PLoS ONE</i> , 2014, 9, e85125.	1.1	4
41	The AMPA receptor antagonist perampanel suppresses epileptic activity in human focal cortical dysplasia. <i>Epilepsia Open</i> , 2021, , .	1.3	4
42	Desynchronization of pathological low-frequency brain activity by the hypnotic drug zolpidem.. <i>Nature Precedings</i> , 2008, , .	0.1	2