

# William Winlow

## List of Publications by Year in descending order

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44  
papers

1,622  
citations

393982

19  
h-index

301761

39  
g-index

45  
all docs

45  
docs citations

45  
times ranked

1507  
citing authors

#	ARTICLE	IF	CITATIONS
1	COVID-19 vulnerabilities are intensified by declining human serum albumin levels. <i>Experimental Physiology</i> , 2022, 107, 674-682.	0.9	10
2	Does the Brain Function as a Quantum Phase Computer Using Phase Ternary Computation?. <i>Frontiers in Physiology</i> , 2021, 12, 572041.	1.3	5
3	Nerve Impulses Have Three Interdependent Functions: Communication, Modulation, and Computation. <i>Bioelectricity</i> , 2021, 3, 161-170.	0.6	5
4	The role of non-coding RNAs in neuroprotection and angiogenesis following ischemic stroke. <i>Metabolic Brain Disease</i> , 2020, 35, 31-43.	1.4	26
5	SARS-CoV-2 Bound Human Serum Albumin and Systemic Septic Shock. <i>Frontiers in Cardiovascular Medicine</i> , 2020, 7, 153.	1.1	30
6	A Comparative Study of Cell Specific Effects of Systemic and Volatile Anesthetics on Identified Motor Neurons and Interneurons of <i>Lymnaea stagnalis</i> (L.), Both in the Isolated Brain and in Single Cell Culture. <i>Frontiers in Physiology</i> , 2019, 10, 583.	1.3	1
7	Long non-coding RNAs and cell death following ischemic stroke. <i>Metabolic Brain Disease</i> , 2019, 34, 1243-1251.	1.4	39
8	Editorial: Sentience, Pain, and Anesthesia in Advanced Invertebrates. <i>Frontiers in Physiology</i> , 2019, 10, 1141.	1.3	2
9	Sense and Insensibility – An Appraisal of the Effects of Clinical Anesthetics on Gastropod and Cephalopod Molluscs as a Step to Improved Welfare of Cephalopods. <i>Frontiers in Physiology</i> , 2018, 9, 1147.	1.3	21
10	The Soliton and the Action Potential – Primary Elements Underlying Sentience. <i>Frontiers in Physiology</i> , 2018, 9, 779.	1.3	17
11	Pathogenic mechanisms following ischemic stroke. <i>Neurological Sciences</i> , 2017, 38, 1167-1186.	0.9	449
12	The Interplay of MicroRNAs in the Inflammatory Mechanisms Following Ischemic Stroke. <i>Journal of Neuropathology and Experimental Neurology</i> , 2017, 76, 548-561.	0.9	61
13	Vanillic acid attenuates effects of transient bilateral common carotid occlusion and reperfusion in rats. <i>Biomedicine and Pharmacotherapy</i> , 2017, 96, 667-674.	2.5	32
14	Emerging Roles of microRNAs in Ischemic Stroke: As Possible Therapeutic Agents. <i>Journal of Stroke</i> , 2017, 19, 166-187.	1.4	134
15	Dose-Dependent Effects of the Clinical Anesthetic Isoflurane on <i>Octopus vulgaris</i> : A Contribution to Cephalopod Welfare. <i>Journal of Aquatic Animal Health</i> , 2014, 26, 285-294.	0.6	51
16	GABAA- and AMPA-like receptors modulate the activity of an identified neuron within the central pattern generator of the pond snail <i>Lymnaea stagnalis</i> . <i>Invertebrate Neuroscience</i> , 2009, 9, 29-41.	1.8	9
17	Aripiprazole: the evidence of its therapeutic impact in schizophrenia. <i>Core Evidence</i> , 2006, 1, 251-64.	4.7	1
18	Pramipexole in restless legs syndrome: an evidence-based review of its effectiveness on clinical outcomes. <i>Core Evidence</i> , 2005, 1, 35-42.	4.7	2

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19	Anesthetic Treatment Blocks Synaptogenesis But Not Neuronal Regeneration of Cultured Lymnaea Neurons. <i>Journal of Neurophysiology</i> , 2003, 90, 2232-2239.	0.9	35
20	Effect of volatile anaesthetics on the electrical activity and the coupling coefficient of weakly electrically coupled neurones. <i>Acta Biologica Hungarica</i> , 1999, 50, 199-213.	0.7	4
21	Serotonergic innervation of the foot of the pond snail <i>Lymnaea stagnalis</i> (L.). <i>Journal of Neurocytology</i> , 1998, 27, 459-470.	1.6	29
22	Modulation of reconstructed peptidergic synapses and electrical synapses by general anaesthetics. <i>Toxicology Letters</i> , 1998, 100-101, 77-84.	0.4	8
23	Low concentrations of caffeine raise intracellular calcium concentration only in the presence of extracellular calcium in cultured molluscan neurons. <i>General Pharmacology</i> , 1997, 28, 245-250.	0.7	11
24	Halothane affects both inhibitory and excitatory synaptic transmission at a single identified molluscan synapse, in vivo and in vitro. <i>Brain Research</i> , 1996, 714, 38-48.	1.1	20
25	Optical monitoring of movements in small animals and in semi-intact preparations. <i>Journal of Neuroscience Methods</i> , 1995, 56, 181-186.	1.3	2
26	5-HT receptors on identified <i>Lymnaea</i> neurones in culture: Pharmacological characterization of 5-HT <sub>3</sub> receptors. <i>General Pharmacology</i> , 1995, 26, 553-561.	0.7	9
27	Halothane-induced synaptic depression at both in vivo and in vitro reconstructed synapses between identified <i>Lymnaea</i> neurons. <i>Journal of Neurophysiology</i> , 1995, 74, 2604-2613.	0.9	26
28	5-HT receptors on identified <i>Lymnaea</i> neurones in culture: Pharmacological characterization of 5-HT <sub>2</sub> receptors. <i>General Pharmacology</i> , 1994, 25, 1079-1092.	0.7	12
29	Nitric oxide synthase-immunoreactive cells in the CNS and periphery of <i>Lymnaea</i> . <i>NeuroReport</i> , 1994, 5, 1277-1280.	0.6	92
30	Nitric oxide activates buccal motor patterns in <i>Lymnaea stagnalis</i> . <i>NeuroReport</i> , 1993, 4, 643-646.	0.6	139
31	Differential effects of general anaesthetics on identified molluscan neurones in situ and in culture. <i>General Pharmacology</i> , 1992, 23, 985-992.	0.7	10
32	Mechanisms of behavioural selection in <i>Lymnaea stagnalis</i> . , 1992, , 52-72.		14
33	Studies on Cellular Mechanisms Underlying General Anesthesia Using Cultured Molluscan Neurons. <i>Annals of the New York Academy of Sciences</i> , 1991, 625, 269-272.	1.8	12
34	Prolonged modification of action potential shape by synaptic inputs in molluscan neurones. <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1985, 82, 971-975.	0.7	1
35	Multiple equilibria and exotic behaviour in excitable membranes. <i>Biological Cybernetics</i> , 1983, 46, 167-172.	0.6	12
36	Neuronal activity as the behavior of a differential system. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 1983, SMC-13, 711-719.	0.9	14

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37	The induction of periodic and chaotic activity in a molluscan neurone. <i>Biological Cybernetics</i> , 1982, 43, 169-173.	0.6	74
38	Bifurcation of periodic activity from periodic activity in a molluscan neurone. <i>Biological Cybernetics</i> , 1982, 42, 189-194.	0.6	15
39	Postsynaptic effects of a multiaction giant interneurone on identified snail neurones. <i>Nature</i> , 1977, 268, 263-265.	13.7	34
40	The morphology of identified neurons in the abdominal ganglion of <i>Aplysia californica</i> . <i>Brain Research</i> , 1976, 112, 221-249.	1.1	68
41	Electrophysiological studies of normal and degenerating mouse neuromuscular junctions. <i>Brain Research</i> , 1976, 110, 447-461.	1.1	13
42	Ultrastructural studies of normal and degenerating mouse neuromuscular junctions. <i>Journal of Neurocytology</i> , 1975, 4, 377-394.	1.6	65
43	The occurrence of an anal proprioceptor in the decapod crustacea ( <i>L.</i> ) ( <i>Syn. M. Ed.</i> ) and ( <i>leach</i> ). <i>Life Sciences</i> , 1970, 9, 93-97.	2.0	8
44	Book Review of the Spike: An Epic Journey Through the Brain in 2.1â€™Seconds by Mark Humphries. <i>Bioelectricity</i> , 0, , .	0.6	0