

# Graeme Henderson

## List of Publications by Year in descending order

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Version: 2024-02-01

57  
papers

4,148  
citations

159358

30  
h-index

161609

54  
g-index

60  
all docs

60  
docs citations

60  
times ranked

4051  
citing authors

#	ARTICLE	IF	CITATIONS
1	Regulation of $\mu$ -Opioid Receptors: Desensitization, Phosphorylation, Internalization, and Tolerance. <i>Pharmacological Reviews</i> , 2013, 65, 223-254.	7.1	673
2	Global patterns of opioid use and dependence: harms to populations, interventions, and future action. <i>Lancet</i> , The, 2019, 394, 1560-1579.	6.3	404
3	75 years of opioid research: the exciting but vain quest for the Holy Grail. <i>British Journal of Pharmacology</i> , 2006, 147, S153-S162.	2.7	294
4	$\delta$ -Opioid Receptors: Correlation of Agonist Efficacy for Signalling with Ability to Activate Internalization. <i>Molecular Pharmacology</i> , 2010, 78, 756-766.	1.0	236
5	The effect of nociceptin on $Ca^{2+}$ channel current and intracellular $Ca^{2+}$ in the SH-SY5Y human neuroblastoma cell line. <i>British Journal of Pharmacology</i> , 1996, 118, 205-207.	2.7	193
6	Morphine-induced respiratory depression is independent of $\beta$ -arrestin2 signalling. <i>British Journal of Pharmacology</i> , 2020, 177, 2923-2931.	2.7	182
7	The novel $\delta$ -opioid receptor agonist PZM21 depresses respiration and induces tolerance to antinociception. <i>British Journal of Pharmacology</i> , 2018, 175, 2653-2661.	2.7	142
8	Agonist-Selective Mechanisms of $\delta$ -Opioid Receptor Desensitization in Human Embryonic Kidney 293 Cells. <i>Molecular Pharmacology</i> , 2006, 70, 676-685.	1.0	140
9	ATP Receptor-Mediated Enhancement of Fast Excitatory Neurotransmitter Release in the Brain. <i>Molecular Pharmacology</i> , 1998, 54, 372-378.	1.0	139
10	Risk to heroin users of polydrug use of pregabalin or gabapentin. <i>Addiction</i> , 2017, 112, 1580-1589.	1.7	126
11	Fentanyl depression of respiration: Comparison with heroin and morphine. <i>British Journal of Pharmacology</i> , 2020, 177, 254-265.	2.7	102
12	How important is protein kinase C in $\delta$ -opioid receptor desensitization and morphine tolerance?. <i>Trends in Pharmacological Sciences</i> , 2006, 27, 558-565.	4.0	93
13	Critical Assessment of G Protein-Biased Agonism at the $\delta$ -Opioid Receptor. <i>Trends in Pharmacological Sciences</i> , 2020, 41, 947-959.	4.0	91
14	Endomorphin-2: A Biased Agonist at the $\delta$ -Opioid Receptor. <i>Molecular Pharmacology</i> , 2012, 82, 178-188.	1.0	88
15	Protein Kinase C Activation Enhances Morphine-Induced Rapid Desensitization of $\delta$ -Opioid Receptors in Mature Rat Locus Ceruleus Neurons. <i>Molecular Pharmacology</i> , 2004, 66, 1592-1598.	1.0	83
16	Role of G Protein-Coupled Receptor Kinases 2 and 3 in $\delta$ -Opioid Receptor Desensitization and Internalization. <i>Molecular Pharmacology</i> , 2015, 88, 347-356.	1.0	81
17	$\delta$ -Opioid Receptor Desensitization in Mature Rat Neurons: Lack of Interaction between DAMGO and Morphine. <i>Journal of Neuroscience</i> , 2003, 23, 10515-10520.	1.7	80
18	Modulation of fast synaptic transmission by presynaptic ligand-gated cation channels. <i>Journal of the Autonomic Nervous System</i> , 2000, 81, 110-121.	1.9	67

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19	Does alcohol increase the risk of overdose death: the need for a translational approach. <i>Addiction</i> , 2008, 103, 1060-1062.	1.7	67
20	Ethanol Reversal of Tolerance to the Respiratory Depressant Effects of Morphine. <i>Neuropsychopharmacology</i> , 2016, 41, 762-773.	2.8	61
21	Î¼ and Î³ opioid receptor mobilization of intracellular calcium in SH-SY5Y human neuroblastoma cells. <i>British Journal of Pharmacology</i> , 1996, 117, 333-340.	2.7	58
22	Hyperpolarization-activated cationic currents (I <sub>h</sub> ) in neurones of the trigeminal mesencephalic nucleus of the rat. <i>Journal of Physiology</i> , 1998, 510, 695-704.	1.3	52
23	Comparison of cannabinoids in hair with self-reported cannabis consumption in heavy, light and non-cannabis users. <i>Drug and Alcohol Review</i> , 2017, 36, 220-226.	1.1	49
24	Oxycodone-induced tolerance to respiratory depression: reversal by ethanol, pregabalin and protein kinase C inhibition. <i>British Journal of Pharmacology</i> , 2018, 175, 2492-2503.	2.7	44
25	A new approach to formulating and appraising drug policy: A multi-criterion decision analysis applied to alcohol and cannabis regulation. <i>International Journal of Drug Policy</i> , 2018, 56, 144-152.	1.6	44
26	Identification of phosphorylation sites in the C-terminal tail of the Î¼ opioid receptor. <i>Journal of Neurochemistry</i> , 2013, 124, 189-199.	2.1	41
27	ELECTROPHYSIOLOGY ANALYSIS OF OPIOID ACTION IN THE CENTRAL NERVOUS SYSTEM. <i>British Medical Bulletin</i> , 1983, 39, 59-64.	2.7	38
28	Pre-treatment with a PKC or PKA inhibitor prevents the development of morphine tolerance but not physical dependence in mice. <i>Brain Research</i> , 2008, 1217, 70-77.	1.1	38
29	A Novel G Protein-Biased Agonist at the Î¼ Opioid Receptor with Analgesic Efficacy in Models of Chronic Pain. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2020, 372, 224-236.	1.3	38
30	The anomalous pharmacology of fentanyl. <i>British Journal of Pharmacology</i> , 2023, 180, 797-812.	2.7	38
31	Opioid elevation of intracellular free calcium: Possible mechanisms and physiological relevance. <i>Cellular Signalling</i> , 2006, 18, 151-161.	1.7	35
32	How the complex pharmacology of the fentanyls contributes to their lethality. <i>Addiction</i> , 2019, 114, 1524-1525.	1.7	32
33	Neuropeptide Y2 receptor and somatostatin sst2 receptor coupling to mobilization of intracellular calcium in SH-SY5Y human neuroblastoma cells. <i>British Journal of Pharmacology</i> , 1997, 120, 455-463.	2.7	29
34	Properties of native P2X receptors in rat trigeminal mesencephalic nucleus neurones: lack of correlation with known, heterologously expressed P2X receptors. <i>Neuropharmacology</i> , 2001, 40, 96-105.	2.0	27
35	Drug Binding Poses Relate Structure with Efficacy in the Î¼ Opioid Receptor. <i>Journal of Molecular Biology</i> , 2017, 429, 1840-1851.	2.0	26
36	Î¼ Opioid receptor desensitization: homologous or heterologous?. <i>European Journal of Neuroscience</i> , 2012, 36, 3636-3642.	1.2	22

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37	C-terminal splice variants of the $\mu$ -opioid receptor: existence, distribution and functional characteristics. <i>Journal of Neurochemistry</i> , 2008, 104, 937-945.	2.1	20
38	The opioid receptor pharmacology of GSK1521498 compared to other ligands with differential effects on compulsive reward-related behaviours. <i>Psychopharmacology</i> , 2015, 232, 305-314.	1.5	20
39	Methadone: does it really have low efficacy at $\mu$ -opioid receptors?. <i>NeuroReport</i> , 2008, 19, 589-593.	0.6	17
40	Ranking the harm of non-medically used prescription opioids in the UK. <i>Regulatory Toxicology and Pharmacology</i> , 2015, 73, 999-1004.	1.3	17
41	Effect of Tamoxifen and Brain-Penetrant Protein Kinase C and c-Jun N-Terminal Kinase Inhibitors on Tolerance to Opioid-Induced Respiratory Depression in Mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2017, 361, 51-59.	1.3	16
42	Ethanol Reversal of Tolerance to the Antinociceptive Effects of Oxycodone and Hydrocodone. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2017, 362, 45-52.	1.3	16
43	Ethanol Reversal of Cellular Tolerance to Morphine in Rat Locus Coeruleus Neurons. <i>Molecular Pharmacology</i> , 2013, 84, 252-260.	1.0	14
44	Synthetic cannabinoids and potential cardiac arrhythmia risk: an important message for drug users. <i>Therapeutic Advances in Drug Safety</i> , 2020, 11, 204209862091341.	1.0	11
45	The $\mu$ -opioid receptor: an electrophysiologist's perspective from the sharp end. <i>British Journal of Pharmacology</i> , 2015, 172, 260-267.	2.7	9
46	Interaction With the Lipid Membrane Influences Fentanyl Pharmacology. <i>Advances in Drug and Alcohol Research</i> , 0, 2, .	2.5	8
47	A novel G protein-biased agonist at the $\mu$ opioid receptor induces substantial receptor desensitisation through G protein-coupled receptor kinase. <i>British Journal of Pharmacology</i> , 2020, , .	2.7	7
48	Reversal of oxycodone and hydrocodone tolerance by diazepam. <i>Brain Research</i> , 2017, 1674, 84-90.	1.1	5
49	Ethanol Reversal of Oxycodone Tolerance in Dorsal Root Ganglia Neurons. <i>Molecular Pharmacology</i> , 2018, 93, 417-426.	1.0	5
50	Trends in hospital presentations following analytically confirmed synthetic cannabinoid receptor agonist exposure before and after implementation of the 2016 UK Psychoactive Substances Act. <i>Addiction</i> , 2022, 117, 2899-2906.	1.7	5
51	Prolonged ethanol administration prevents the development of tolerance to morphine-induced respiratory depression. <i>Drug and Alcohol Dependence</i> , 2019, 205, 107674.	1.6	2
52	Emerging areas of opioid pharmacology. <i>British Journal of Pharmacology</i> , 2018, 175, 2715-2716.	2.7	1
53	The ability of fentanyl and other opioids to increase EMG amplitude in respiratory muscles correlates with their agonist efficacy. <i>FASEB Journal</i> , 2021, 35, .	0.2	1
54	Changes in the development of opioid tolerance on re-exposure among people who use heroin: A qualitative study. <i>PLoS ONE</i> , 2022, 17, e0269379.	1.1	1

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55	Reply to Wang and SadÃ©. Psychopharmacology, 2015, 232, 1495-1496.	1.5	0
56	Commentary on Andersen et al .: Time for drug checking for heroin users?. Addiction, 2021, 116, 3113-3114.	1.7	0
57	Role of Acetaldehyde in Ethanol Reversal of Tolerance to Morphine-Induced Respiratory Depression in Mice. Advances in Drug and Alcohol Research, 0, 1, .	2.5	0