

# Alan L Hudson

## List of Publications by Year in descending order

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67  
papers

2,268  
citations

331670

21  
h-index

214800

47  
g-index

70  
all docs

70  
docs citations

70  
times ranked

1721  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bicuculline-insensitive gaba receptors on peripheral autonomic nerve terminals. <i>European Journal of Pharmacology</i> , 1981, 71, 53-70.	3.5	360
2	'Seeing through a glass darkly': casting light on imidazoline 'I' sites. <i>Trends in Pharmacological Sciences</i> , 1998, 19, 381-390.	8.7	238
3	Bioactive Contaminants Leach from Disposable Laboratory Plasticware. <i>Science</i> , 2008, 322, 917-917.	12.6	189
4	Functional Studies of Specific Imidazoline-2 Receptor Ligands. <i>Annals of the New York Academy of Sciences</i> , 1995, 763, 125-139.	3.8	121
5	$\hat{\alpha}^2$ -carboline binding to imidazoline receptors. <i>Drug and Alcohol Dependence</i> , 2001, 64, 203-208.	3.2	118
6	Characterisation and localisation of [ $\alpha$ ]-2-(2-benzofuranyl)-2-imidazoline binding in rat brain: a selective ligand for imidazoline I2 receptors. <i>European Journal of Pharmacology</i> , 1998, 353, 123-135.	3.5	82
7	Novel Selective Compounds for the Investigation of Imidazoline Receptors. <i>Annals of the New York Academy of Sciences</i> , 1999, 881, 81-91.	3.8	72
8	Imidazoline Receptor System: The Past, the Present, and the Future. <i>Pharmacological Reviews</i> , 2020, 72, 50-79.	16.0	71
9	Comparison of Alterations in c-fos and Egr-1 (zif268) Expression Throughout the Rat Brain Following Acute Administration of Different Classes of Antidepressant Compounds. <i>Neuropsychopharmacology</i> , 2005, 30, 1278-1287.	5.4	56
10	In vitro and ex vivo distribution of [ $\alpha$ ]harmane, an endogenous $\hat{\alpha}^2$ -carboline, in rat brain. <i>Neuropharmacology</i> , 2006, 50, 269-276.	4.1	53
11	[ $\alpha$ ]2-(2-Benzofuranyl)-2-imidazoline: a new selective high affinity radioligand for the study of rabbit brain imidazoline I2 receptors. <i>European Journal of Pharmacology</i> , 1996, 304, 221-229.	3.5	52
12	Effects of the $\hat{\alpha}^2$ -carbolines, harmane and pinoline, on insulin secretion from isolated human islets of Langerhans. <i>European Journal of Pharmacology</i> , 2003, 482, 189-196.	3.5	50
13	Behavioral, neuroendocrine and neurochemical effects of the imidazoline I2 receptor selective ligand BU224 in naive rats and rats exposed to the stress of the forced swim test. <i>Psychopharmacology</i> , 2003, 167, 195-202.	3.1	45
14	Imidazoline binding sites in Huntington's and Parkinson's disease putamen. <i>European Journal of Pharmacology</i> , 1996, 301, R19-R21.	3.5	43
15	Binding of $\hat{\alpha}^2$ -carbolines at imidazoline I2 receptors: a structure-affinity investigation. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2004, 14, 999-1002.	2.2	42
16	Evaluation and initial in vitro and ex vivo characterization of the potential positron emission tomography ligand, BU99008 (2-(4,5-dihydro-1H-imidazol-2-yl)-1-methyl-1H-indole), for the $\alpha^2$ imidazoline binding site. <i>Synapse</i> , 2012, 66, 542-551.		
17	1-[(Imidazolidin-2-yl)imino]indazole. Highly $\hat{\alpha}^2$ /I1 Selective Agonist: Synthesis, X-ray Structure, and Biological Activity. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 3599-3608.	6.4	40
18	Identification of ligands selective for central I2-imidazoline binding sites. <i>Neurochemistry International</i> , 1997, 30, 47-53.	3.8	39

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19	Favourable involvement of $\alpha_2$ -adrenoreceptor antagonism in the I <sub>2</sub> -imidazoline binding sites-mediated morphine analgesia enhancement. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 2259-2265.	3.0	39
20	Harmine and Harmalan Are Bioactive Components of Classical Clonidine-Displacing Substance $\alpha$ . <i>Biochemistry</i> , 2004, 43, 16385-16392.	2.5	36
21	Identification of an imidazoline binding protein: Creatine kinase and an imidazoline-2 binding site. <i>Brain Research</i> , 2009, 1279, 21-28.	2.2	32
22	Selective $\mu$ -opioid receptor ligands: potential PET ligands based on naltrindole. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2001, 11, 939-943.	2.2	19
23	Novel Ligands Rationally Designed for Characterizing I <sub>2</sub> Imidazoline Binding Sites Nature and Functions. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 5130-5134.	6.4	19
24	Thyrotropin-releasing hormone selectively reverses lorazepam-induced sedation but not slowing of saccadic eye movements.. <i>Life Sciences</i> , 1992, 50, PL25-PL30.	4.3	18
25	Novel Ligands for the Investigation of Imidazoline Receptors and Their Binding Proteins. <i>Annals of the New York Academy of Sciences</i> , 2003, 1009, 302-308.	3.8	18
26	Autoradiographical distribution of imidazoline binding sites in monoamine oxidase A deficient mice. <i>Journal of Neurochemistry</i> , 2006, 96, 1551-1559.	3.9	18
27	3-[(Imidazolidin-2-yl)imino]indazole ligands with selectivity for the $\alpha_2$ -adrenoceptor compared to the imidazoline I <sub>1</sub> receptor. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 321-329.	3.0	18
28	Venlafaxine enhances the effect of bupropion on extracellular dopamine in rat frontal cortex. <i>Canadian Journal of Physiology and Pharmacology</i> , 2012, 90, 803-809.	1.4	18
29	Effect of harmine, an endogenous $\alpha_2$ -carboline, on learning and memory in rats. <i>Pharmacology Biochemistry and Behavior</i> , 2013, 103, 666-671.	2.9	17
30	Distribution of [3H]BU224, a selective imidazoline I <sub>2</sub> binding site ligand, in rat brain. <i>European Journal of Pharmacology</i> , 2002, 450, 55-60.	3.5	16
31	Probes for imidazoline binding sites: synthesis and evaluation of a selective, irreversible I <sub>2</sub> ligand. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2000, 10, 605-607.	2.2	15
32	Comparative Effects of Efaroxan and b-Carbolines on the Secretory Activity of Rodent and Human b Cells. <i>Annals of the New York Academy of Sciences</i> , 2003, 1009, 167-174.	3.8	15
33	Imidazoline <sub>2</sub> (I <sub>2</sub> ) Receptor- and $\alpha_2$ - Adrenoceptor-Mediated Modulation of Hypothalamic-Pituitary-Adrenal Axis Activity in Control and Acute Restraint Stressed Rats. <i>Journal of Psychopharmacology</i> , 2004, 18, 47-53.	4.0	14
34	Fluorinated analogues of marsanidine, a highly $\alpha_2$ -AR/imidazoline I <sub>1</sub> binding site-selective hypotensive agent. Synthesis and biological activities. <i>European Journal of Medicinal Chemistry</i> , 2014, 87, 386-397.	5.5	14
35	The modulatory action of harmine on serotonergic neurotransmission in rat brain. <i>Brain Research</i> , 2015, 1597, 57-64.	2.2	14
36	Transfer of SAR information from hypotensive indazole to indole derivatives acting at $\alpha_2$ -adrenergic receptors: In vitro and in vivo studies. <i>European Journal of Medicinal Chemistry</i> , 2016, 115, 406-415.	5.5	14

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37	In vitro and in vivo effect of BU99006 (5-isothiocyanato-2-benzofuranyl-2-imidazoline) on I2 binding in relation to MAO: Evidence for two distinct I2 binding sites. <i>Neuropharmacology</i> , 2007, 52, 395-404.	4.1	13
38	Extraction of active clonidine-displacing substance from bovine lung and comparison with clonidine-displacing substance extracted from other tissues. <i>European Journal of Pharmacology</i> , 1999, 378, 213-221.	3.5	12
39	N1- <sup>2</sup> -fluoroethyl-naltrindole (BU97001) and N1- <sup>2</sup> -fluoroethyl-(14-formylamino)-naltrindole (BU97018) potential $\hat{1}$ -opioid receptor PET ligands. <i>Nuclear Medicine and Biology</i> , 2002, 29, 455-462.	0.6	12
40	Novel imidazoline compounds as partial or full agonists of D2-like dopamine receptors inspired by I2-imidazoline binding sites ligand 2-BFI. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 7085-7091.	3.0	12
41	Pyrazino[1,2- a ]indoles as novel high-affinity and selective imidazoline I2 receptor ligands. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2004, 14, 1003-1005.	2.2	11
42	New analogues of agmatine with higher affinity to imidazoline receptors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 1009-1011.	2.2	11
43	Synthesis and biological activities of 2-[(heteroaryl)methyl]imidazolines. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 108-116.	3.0	11
44	Binding of an imidazopyridindole at imidazoline I2 receptors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2004, 14, 527-529.	2.2	10
45	Characterisation of imidazoline I2 binding sites in pig brain. <i>European Journal of Pharmacology</i> , 2005, 519, 68-74.	3.5	10
46	Nonadrenergic Imidazoline Binding Sites and Amine Oxidase Activities in Fat Cells. <i>Annals of the New York Academy of Sciences</i> , 1995, 763, 380-397.	3.8	9
47	Modulation of Resistance Artery Tone by the Trace Amine $\hat{2}$ -Phenylethylamine: Dual Indirect Sympathomimetic and $\hat{1}$ -Adrenoceptor Blocking Actions. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2014, 351, 164-171.	2.5	9
48	Harmane: An atypical neurotransmitter?. <i>Neuroscience Letters</i> , 2015, 590, 1-5.	2.1	8
49	[5] In vitro and in vivo effects of antisense on $\hat{1}$ -adrenoceptor expression. <i>Methods in Enzymology</i> , 2000, 314, 61-76.	1.0	7
50	Estimation of endogenous noradrenaline release in rat brain in vivo using [3H]RX 821002. <i>Synapse</i> , 2005, 55, 126-132.	1.2	7
51	2-(4,5-Dihydroimidazol-2-yl)benzimidazoles as highly selective imidazoline I2/adrenergic $\hat{1}$ -2 receptor ligands. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 6679-6685.	3.0	7
52	1-[(Imidazolidin-2-yl)imino]- $\hat{1}$ -indoles as new hypotensive agents: synthesis and in vitro and in vivo biological studies. <i>Chemical Biology and Drug Design</i> , 2017, 89, 400-410.	3.2	7
53	Isolation of RP-HPLC pure clonidine-displacing substance from NG108-15 cells. <i>European Journal of Pharmacology</i> , 2000, 387, 27-30.	3.5	6
54	Combined Interactions with $\hat{1}$ - and $\hat{2}$ -Imidazoline Binding Sites and $\hat{1}$ -Adrenoceptors To Manage Opioid Addiction. <i>ACS Medicinal Chemistry Letters</i> , 2016, 7, 956-961.	2.8	6

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55	Comparison of Crude Methanolic CDS Extracts from Various Tissues. <i>Annals of the New York Academy of Sciences</i> , 1999, 881, 92-96.	3.8	5
56	Pharmacological characterisation of novel $\alpha$ 2-adrenoceptor antagonists as potential brain imaging agents. <i>Neuropharmacology</i> , 2004, 46, 847-855.	4.1	5
57	Synthesis of 2,3,5,6-tetrahydro-3H-imidazo[2,1-b][1,3,5]benzotriazepines and their oxidative ring contraction into 1-(4,5-dihydro-1H-imidazol-2-yl)-1H-benzimidazoles. <i>Il Farmaco</i> , 2005, 60, 127-134.	0.9	5
58	New imidazoline/ $\alpha$ 2-adrenoceptors affecting compounds $\alpha$ 4(5)-(2-aminoethyl)imidazoline (dihydrohistamine) derivatives. Synthesis and receptor affinity studies. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 156-167.	3.0	4
59	<i>N</i> -(Imidazolidin-2-ylidene)- $\alpha$ -arylmethanamine Oxides: Synthesis, Structure and Pharmacological Evaluation. <i>Archiv Der Pharmazie</i> , 2012, 345, 33-42.	4.1	4
60	Autoradiography of I2 Receptors in Frog Brain. <i>Annals of the New York Academy of Sciences</i> , 1999, 881, 208-211.	3.8	2
61	The uptake of a fluorescently labelled antisense oligonucleotide in vitro and in vivo. <i>Journal of Neuroscience Methods</i> , 2005, 147, 48-54.	2.5	2
62	The effect of 1-(4,5-dihydro-1H-imidazol-2-yl) isoquinoline on monoamine release and turnover in the rat frontal cortex. <i>Neuroscience Letters</i> , 2007, 422, 109-113.	2.1	2
63	The effect of 7-fluoro-marsanidine, a novel $\alpha$ 2-adrenoceptor agonist, on extracellular noradrenaline in rat frontal cortex: A microdialysis study. <i>Neuroscience Letters</i> , 2015, 590, 47-51.	2.1	2
64	A series of novel imidazoline I2-receptor selective Schiff bases of 1-(benzylidenamino)-3,3-dimethylguanidine. <i>Neurochemistry International</i> , 1997, 30, 95-99.	3.8	1
65	Borne Identity: Leading Endogenous Suspects at Imidazoline Binding Sites. <i>Journal of Neurology and Neuroscience</i> , 2015, 06, .	0.4	1
66	Pyrazino[1,2-a]indoles as Novel High-Affinity and Selective Imidazoline I2 Receptor Ligands.. <i>ChemInform</i> , 2004, 35, no.	0.0	0
67	Synthesis of 2,3,5,6-Tetrahydro-3H-imidazo[2,1-b][1,3,5]benzotriazepines and Their Oxidative Ring Contraction into 1-(4,5-Dihydro-1H-imidazol-2-yl)-1H-benzimidazoles.. <i>ChemInform</i> , 2005, 36, no.	0.0	0