Alan L Hudson

List of Publications by Year
in descending order

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	Imidazoline Receptor System: The Past, the Present, and the Future. Pharmacological Reviews, 2020, 72, 50-79.	16.0	71
2	1â€[(Imidazolidinâ€2â€yl)imino]â€1Hâ€indoles as new hypotensive agents: synthesis and in vitro and in vivo biological studies. Chemical Biology and Drug Design, 2017, 89, 400-410.	3.2	7
3	Combined Interactions with I₁-, I₂-Imidazoline Binding Sites and Î±₂-Adrenoceptors To Manage Opioid Addiction. ACS Medicinal Chemistry Letters, 2016, 7, 956-961.	2.8	6
4	Transfer of SAR information from hypotensive indazole to indole derivatives acting at Î±-adrenergic receptors: InÂvitro and inÂvivo studies. European Journal of Medicinal Chemistry, 2016, 115, 406-415.	5.5	14
5	Borne Identity: Leading Endogenous Suspects at Imidazoline Binding Sites. Journal of Neurology and Neuroscience, 2015, 06, .	0.4	1
6	Harmane: An atypical neurotransmitter?. Neuroscience Letters, 2015, 590, 1-5.	2.1	8
7	The effect of 7-fluoro-marsanidine, a novel Î±2-adrenoceptor agonist, on extracellular noradrenaline in rat frontal cortex: A microdialysis study. Neuroscience Letters, 2015, 590, 47-51.	2.1	2
8	The modulatory action of harmane on serotonergic neurotransmission in rat brain. Brain Research, 2015, 1597, 57-64.	2.2	14
9	Modulation of Resistance Artery Tone by the Trace Amine Î²-Phenylethylamine: Dual Indirect Sympathomimetic and Î±1-Adrenoceptor Blocking Actions. Journal of Pharmacology and Experimental Therapeutics, 2014, 351, 164-171.	2.5	9
10	Fluorinated analogues of marsanidine, a highly Î±2-AR/imidazoline I1 binding site-selective hypotensive agent. Synthesis and biological activities. European Journal of Medicinal Chemistry, 2014, 87, 386-397.	5.5	14
11	Effect of harmane, an endogenous Î²-carboline, on learning and memory in rats. Pharmacology Biochemistry and Behavior, 2013, 103, 666-671.	2.9	17
12	Venlafaxine enhances the effect of bupropion on extracellular dopamine in rat frontal cortex. Canadian Journal of Physiology and Pharmacology, 2012, 90, 803-809.	1.4	18
13	Evaluation and initial in vitro and ex vivo characterization of the potential positron emission tomography ligand, BU99008 (2â€(4,5â€Dihydroâ€1Hâ€imidazolâ€2â€yl)â€1â€methylâ€1Hâ€indole), for the imidazoline₂ binding site. Synapse, 2012, 66, 542-551.	2.2	42
14	Synthesis and biological activities of 2-[(heteroaryl)methyl]imidazolines. Bioorganic and Medicinal Chemistry, 2012, 20, 108-116.	3.0	11
15	Favourable involvement of Î±2A-adrenoreceptor antagonism in the I2-imidazoline binding sites-mediated morphine analgesia enhancement. Bioorganic and Medicinal Chemistry, 2012, 20, 2259-2265.	3.0	39
16	Nâ€(Imidazolidinâ€2â€ylidene)â€1â€arylmethanamine Oxides: Synthesis, Structure and Pharmacological Evaluation. Archiv Der Pharmazie, 2012, 345, 33-42.	4.1	4
17	3-[(Imidazolidin-2-yl)imino]indazole ligands with selectivity for the Î±2-adrenoceptor compared to the imidazoline I1 receptor. Bioorganic and Medicinal Chemistry, 2011, 19, 321-329.	3.0	18
18	New imidazoline/Î±2-adrenoceptors affecting compoundsâ€”4(5)-(2-aminoethyl)imidazoline (dihydrohistamine) derivatives. Synthesis and receptor affinity studies. Bioorganic and Medicinal Chemistry, 2011, 19, 156-167.	3.0	4

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19	Novel imidazoline compounds as partial or full agonists of D2-like dopamine receptors inspired by I2-imidazoline binding sites ligand 2-BFI. Bioorganic and Medicinal Chemistry, 2010, 18, 7085-7091.	3.0	12
20	Identification of an imidazoline binding protein: Creatine kinase and an imidazoline-2 binding site. Brain Research, 2009, 1279, 21-28.	2.2	32
21	New analogues of agmatine with higher affinity to imidazoline receptors. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 1009-1011.	2.2	11
22	Bioactive Contaminants Leach from Disposable Laboratory Plasticware. Science, 2008, 322, 917-917.	12.6	189
23	1-[(Imidazolidin-2-yl)imino]indazole. Highly Î±₂/I₁ Selective Agonist: Synthesis, X-ray Structure, and Biological Activity. Journal of Medicinal Chemistry, 2008, 51, 3599-3608.	6.4	40
24	Novel Ligands Rationally Designed for Characterizing I₂â"Imidazoline Binding Sites Nature and Functions. Journal of Medicinal Chemistry, 2008, 51, 5130-5134.	6.4	19
25	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. Neuropharmacology, 2007, 52, 395-404.	4.1	13
26	The effect of 1-(4,5-dihydro-1H-imidazol-2-yl) isoquinoline on monoamine release and turnover in the rat frontal cortex. Neuroscience Letters, 2007, 422, 109-113.	2.1	2
27	In vitro and ex vivo distribution of [3H]harmane, an endogenous Î²-carboline, in rat brain. Neuropharmacology, 2006, 50, 269-276.	4.1	53
28	Autoradiographical distribution of imidazoline binding sites in monoamine oxidase A deficient mice. Journal of Neurochemistry, 2006, 96, 1551-1559.	3.9	18
29	2-(4,5-Dihydroimidazol-2-yl)benzimidazoles as highly selective imidazoline I2/adrenergic Î±2 receptor ligands. Bioorganic and Medicinal Chemistry, 2006, 14, 6679-6685.	3.0	7
30	The uptake of a fluorescently labelled antisense oligonucleotide in vitro and in vivo. Journal of Neuroscience Methods, 2005, 147, 48-54.	2.5	2
31	Characterisation of imidazoline I2 binding sites in pig brain. European Journal of Pharmacology, 2005, 519, 68-74.	3.5	10
32	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. Il Farmaco, 2005, 60, 127-134.	0.9	5
33	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.. ChemInform, 2005, 36, no.	0.0	0
34	Estimation of endogenous noradrenaline release in rat brain in vivo using [3H]RX 821002. Synapse, 2005, 55, 126-132.	1.2	7
35	Comparison of Alterations in c-fos and Egr-1 (zif268) Expression Throughout the Rat Brain Following Acute Administration of Different Classes of Antidepressant Compounds. Neuropsychopharmacology, 2005, 30, 1278-1287.	5.4	56
36	Imidazoline2 (I2) Receptor- and Î±2- Adrenoceptor-Mediated Modulation of Hypothalamic-Pituitary-Adrenal Axis Activity in Control and Acute Restraint Stressed Rats. Journal of Psychopharmacology, 2004, 18, 47-53.	4.0	14

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37	Binding of an imidazopyridoindole at imidazoline I2 receptors. Bioorganic and Medicinal Chemistry Letters, 2004, 14, 527-529.	2.2	10
38	Binding of Î²-carbolines at imidazoline I 2 receptors: a structureâ€“affinity investigation. Bioorganic and Medicinal Chemistry Letters, 2004, 14, 999-1002.	2.2	42
39	Pyrazino[1,2-a]indoles as Novel High-Affinity and Selective Imidazoline I2 Receptor Ligands.. ChemInform, 2004, 35, no.	0.0	0
40	Pyrazino[1,2- a]indoles as novel high-affinity and selective imidazoline I 2 receptor ligands. Bioorganic and Medicinal Chemistry Letters, 2004, 14, 1003-1005.	2.2	11
41	Pharmacological characterisation of novel Î±2-adrenoceptor antagonists as potential brain imaging agents. Neuropharmacology, 2004, 46, 847-855.	4.1	5
42	Harmane and Harmalan Are Bioactive Components of Classical Clonidine-Displacing Substanceâ€. Biochemistry, 2004, 43, 16385-16392.	2.5	36
43	Comparative Effects of Efaroxan and b-Carbolines on the Secretory Activity of Rodent and Human b Cells. Annals of the New York Academy of Sciences, 2003, 1009, 167-174.	3.8	15
44	Novel Ligands for the Investigation of Imidazoline Receptors and Their Binding Proteins. Annals of the New York Academy of Sciences, 2003, 1009, 302-308.	3.8	18
45	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. Psychopharmacology, 2003, 167, 195-202.	3.1	45
46	Effects of the Î²-carbolines, harmane and pinoline, on insulin secretion from isolated human islets of Langerhans. European Journal of Pharmacology, 2003, 482, 189-196.	3.5	50
47	N1â€²-fluoroethyl-naltrindole (BU97001) and N1â€²-fluoroethyl-(14-formylamino)-naltrindole (BU97018) potential Î´-opioid receptor PET ligands. Nuclear Medicine and Biology, 2002, 29, 455-462.	0.6	12
48	Distribution of [3H]BU224, a selective imidazoline I2 binding site ligand, in rat brain. European Journal of Pharmacology, 2002, 450, 55-60.	3.5	16
49	Î²-carboline binding to imidazoline receptors. Drug and Alcohol Dependence, 2001, 64, 203-208.	3.2	118
50	Selective Î´-opioid receptor ligands: potential PET ligands based on naltrindole. Bioorganic and Medicinal Chemistry Letters, 2001, 11, 939-943.	2.2	19
51	[5] In vitro and in vivo effects of antisense on Î±2-adrenoceptor expression. Methods in Enzymology, 2000, 314, 61-76.	1.0	7
52	Probes for imidazoline binding sites: synthesis and evaluation of a selective, irreversible I 2 ligand. Bioorganic and Medicinal Chemistry Letters, 2000, 10, 605-607.	2.2	15
53	Isolation of RP-HPLC pure clonidine-displacing substance from NG108-15 cells. European Journal of Pharmacology, 2000, 387, 27-30.	3.5	6
54	Novel Selective Compounds for the Investigation of Imidazoline Receptorsa. Annals of the New York Academy of Sciences, 1999, 881, 81-91.	3.8	72

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55	Comparison of Crude Methanolic CDS Extracts from Various Tissues. Annals of the New York Academy of Sciences, 1999, 881, 92-96.	3.8	5
56	Autoradiography of I2 Receptors in Frog Brain. Annals of the New York Academy of Sciences, 1999, 881, 208-211.	3.8	2
57	Extraction of active clonidine-displacing substance from bovine lung and comparison with clonidine-displacing substance extracted from other tissues. European Journal of Pharmacology, 1999, 378, 213-221.	3.5	12
58	Characterisation and localisation of []2-(2-benzofuranyl)-2-imidazoline binding in rat brain: a selective ligand for imidazoline I2 receptors. European Journal of Pharmacology, 1998, 353, 123-135.	3.5	82
59	`Seeing through a glass darkly': casting light on imidazoline `I' sites. Trends in Pharmacological Sciences, 1998, 19, 381-390.	8.7	238
60	Identification of ligands selective for central I2-imidazoline binding sites. Neurochemistry International, 1997, 30, 47-53.	3.8	39
61	A series of novel imidazoline I2-receptor selective Schiff bases of 1-(benzylidenamino)-3,3-dimethylguanidine. Neurochemistry International, 1997, 30, 95-99.	3.8	1
62	[3H]2-(2-Benzofuranyl)-2-imidazoline: a new selective high affinity radioligand for the study of rabbit brain imidazoline I2 receptors. European Journal of Pharmacology, 1996, 304, 221-229.	3.5	52
63	Imidazoline binding sites in Huntington's and Parkinson's disease putamen. European Journal of Pharmacology, 1996, 301, R19-R21.	3.5	43
64	Functional Studies of Specific Imidazoline-2 Receptor Ligands. Annals of the New York Academy of Sciences, 1995, 763, 125-139.	3.8	121
65	Nonadrenergic Imidazoline Binding Sites and Amine Oxidase Activities in Fat Cells. Annals of the New York Academy of Sciences, 1995, 763, 380-397.	3.8	9
66	Thyrotropin-releasing hormone selectively reverses lorazepam-induced sedation but not slowing of saccadic eye movements.. Life Sciences, 1992, 50, PL25-PL30.	4.3	18
67	Bicuculline-insensitive gaba receptors on peripheral autonomic nerve terminals. European Journal of Pharmacology, 1981, 71, 53-70.	3.5	360