

Charles H V Hoyle

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86
papers

3,474
citations

34
h-index

57
g-index

86
ext. papers

3,583
ext. citations

5.7
avg, IF

4.83
L-index

#	Paper	IF	Citations
86	Suramin antagonizes responses to P2-purinoceptor agonists and purinergic nerve stimulation in the guinea-pig urinary bladder and taenia coli. <i>British Journal of Pharmacology</i> , 1990 , 99, 617-21	8.6	288
85	Neuropeptide families and their receptors: evolutionary perspectives. <i>Brain Research</i> , 1999 , 848, 1-25	3.7	187
84	Colocalization of nitric oxide synthase and NADPH-diaphorase in the myenteric plexus of the rat gut. <i>Neuroscience Letters</i> , 1992 , 143, 60-4	3.3	186
83	Neuropeptide families: evolutionary perspectives. <i>Regulatory Peptides</i> , 1998 , 73, 1-33		137
82	PPADS selectively antagonizes P2X-purinoceptor-mediated responses in the rabbit urinary bladder. <i>British Journal of Pharmacology</i> , 1993 , 110, 1491-5	8.6	118
81	Hereditary internal anal sphincter myopathy causing proctalgia fugax and constipation. A newly identified condition. <i>Gastroenterology</i> , 1991 , 100, 805-10	13.3	112
80	Nitric oxide synthase immunoreactivity and NADPH-diaphorase activity in a subpopulation of intrinsic neurones of the guinea-pig heart. <i>Neuroscience Letters</i> , 1992 , 143, 65-8	3.3	108
79	Identification of potent, selective P2Y-purinoceptor agonists: structure-activity relationships for 2-thioether derivatives of adenosine 5' triphosphate. <i>Journal of Medicinal Chemistry</i> , 1993 , 36, 3937-46	8.3	107
78	Selective antagonism by PPADS at P2X-purinoceptors in rabbit isolated blood vessels. <i>British Journal of Pharmacology</i> , 1994 , 111, 923-9	8.6	97
77	Involvement of melatonin MT(3) receptors in the regulation of intraocular pressure in rabbits. <i>European Journal of Pharmacology</i> , 2001 , 416, 251-4	5.3	96
76	Structure Activity Relationships for Derivatives of Adenosine-5' triphosphate as Agonists at P(2) Purinoceptors: Heterogeneity Within P(2X) and P(2Y) Subtypes. <i>Drug Development Research</i> , 1994 , 31, 206-219	5.1	94
75	Ecto-enzymes and metabolism of extracellular ATP. <i>Drug Development Research</i> , 1994 , 32, 134-146	5.1	92
74	Colocalization of nitric oxide synthase and NADPH-diaphorase in cultured myenteric neurones. <i>NeuroReport</i> , 1992 , 3, 333-6	1.7	92
73	Isolated human bladder: evidence for an adenine dinucleotide acting on P2X-purinoceptors and for purinergic transmission. <i>European Journal of Pharmacology</i> , 1989 , 174, 115-8	5.3	87
72	Ocular hypotensive effects of melatonin receptor agonists in the rabbit: further evidence for an MT3 receptor. <i>British Journal of Pharmacology</i> , 2003 , 138, 831-6	8.6	83
71	Pivotal role of phosphate chain length in vasoconstrictor versus vasodilator actions of adenine dinucleotides in rat mesenteric arteries. <i>Journal of Physiology</i> , 1995 , 483 (Pt 3), 703-13	3.9	80
70	Identification of genes for the ghrelin and motilin receptors and a novel related gene in fish, and stimulation of intestinal motility in zebrafish (<i>Danio rerio</i>) by ghrelin and motilin. <i>General and Comparative Endocrinology</i> , 2008 , 155, 217-26	3	74

69	Pharmacological activity of adenine dinucleotides in the periphery: possible receptor classes and transmitter function. <i>General Pharmacology</i> , 1990 , 21, 827-31		73
68	Inhibitory action of PPADS on relaxant responses to adenine nucleotides or electrical field stimulation in guinea-pig taenia coli and rat duodenum. <i>British Journal of Pharmacology</i> , 1995 , 115, 1509-17	8.6	70
67	Effects of diadenosine polyphosphates on tear secretion in New Zealand white rabbits. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2002 , 300, 291-7	4.7	64
66	Atropine-resistant excitatory junction potentials in rabbit bladder are blocked by alpha,beta-methylene ATP. <i>European Journal of Pharmacology</i> , 1985 , 114, 239-40	5.3	63
65	Presence of diadenosine polyphosphates in the aqueous humor: their effect on intraocular pressure. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2003 , 304, 342-8	4.7	58
64	Diadenosine polyphosphates as extracellular signal molecules. <i>Drug Development Research</i> , 2001 , 52, 260-273	5.1	57
63	An electrophysiological analysis of the effect of reactive blue 2, a putative P2-purinoceptor antagonist, on inhibitory junction potentials of rat caecum. <i>European Journal of Pharmacology</i> , 1986 , 127, 197-204	5.3	51
62	Neuromyogenic properties of the internal anal sphincter: therapeutic rationale for anal fissures. <i>Gut</i> , 2000 , 46, 861-8	19.2	45
61	The activation of P1- and P2-purinoceptors in the guinea-pig left atrium by diadenosine polyphosphates. <i>British Journal of Pharmacology</i> , 1996 , 118, 1294-300	8.6	43
60	Adrenergic control of the internal anal sphincter is abnormal in patients with idiopathic faecal incontinence. <i>British Journal of Surgery</i> , 1990 , 77, 1342-4	5.3	38
59	A modified single sucrose gap. Junction potentials and electrotonic potentials in gastrointestinal smooth muscles. <i>Journal of Pharmacological Methods</i> , 1987 , 18, 219-26		37
58	Dinucleoside polyphosphates in the eye: from physiology to therapeutics. <i>Progress in Retinal and Eye Research</i> , 2007 , 26, 674-87	20.5	36
57	Evidence that the P1-purinoceptor in the guinea-pig taenia coli is an A2-subtype. <i>British Journal of Pharmacology</i> , 1984 , 81, 533-41	8.6	36
56	Evidence that ATP is a neurotransmitter in the frog heart. <i>European Journal of Pharmacology</i> , 1986 , 124, 285-9	5.3	36
55	Effects of testosterone on neuromuscular transmission in rat isolated urinary bladder. <i>European Journal of Pharmacology</i> , 2002 , 449, 301-9	5.3	35
54	Abnormal internal anal sphincter fibrosis and elasticity in fecal incontinence. <i>Diseases of the Colon and Rectum</i> , 1995 , 38, 407-10	3.1	34
53	Enkephalins modulate inhibitory neuromuscular transmission in circular muscle of human colon via delta-opioid receptors. <i>Journal of Physiology</i> , 1990 , 431, 465-78	3.9	34
52	Effects of cyclopiazonic acid on contractility and ecto-ATPase activity in guinea-pig urinary bladder and vas deferens. <i>British Journal of Pharmacology</i> , 1994 , 113, 669-74	8.6	31

51	Actions of adenine dinucleotides in the guinea-pig taenia coli: NAD acts indirectly on P1-purinoceptors; NADP acts like a P2-purinoceptor agonist. <i>British Journal of Pharmacology</i> , 1985 , 84, 825-31	8.6	28
50	Purinergic cotransmission: parasympathetic and enteric nerves. <i>Seminars in Neuroscience</i> , 1996 , 8, 207-215		27
49	Evolution of neuronal signalling: transmitters and receptors. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2011 , 165, 28-53	2.4	24
48	Diadenosine polyphosphates evoke Ca ²⁺ transients in guinea-pig brain via receptors distinct from those for ATP. <i>Journal of Physiology</i> , 1997 , 504 (Pt 2), 327-35	3.9	23
47	Enkephalins inhibit non-adrenergic, non-cholinergic neuromuscular transmission in the human colon. <i>European Journal of Pharmacology</i> , 1986 , 131, 159-60	5.3	23
46	The effects of cyclophosphamide on neurotransmission in the urinary bladder of <i>Suncus murinus</i> , the house musk shrew. <i>Journal of the Autonomic Nervous System</i> , 2000 , 80, 130-6		22
45	Antagonism of P2X receptors in guinea-pig vas deferens by diinosine pentaphosphate. <i>European Journal of Pharmacology</i> , 1997 , 333, R1-2	5.3	21
44	Enteric innervation in idiopathic megarectum and megacolon. <i>International Journal of Colorectal Disease</i> , 1996 , 11, 264-71	3	21
43	PACPX--a substituted xanthine--antagonizes both the A1 and A2 subclasses of the P1-purinoceptor: antagonism of the A2 subclass is competitive but antagonism of the A1 subclass is not. <i>British Journal of Pharmacology</i> , 1985 , 85, 291-6	8.6	18
42	Diadenosine polyphosphates in the central nervous system. <i>Neuroscience Research Communications</i> , 1997 , 20, 69-78		17
41	Acute paw oedema formation induced by ATP: re-evaluation of the mechanisms involved. <i>Inflammation Research</i> , 1996 , 45, 96-102	7.2	17
40	An electrophysiological study of developmental changes in the innervation of the guinea-pig taenia coli. <i>Pflugers Archiv European Journal of Physiology</i> , 1993 , 423, 427-33	4.6	17
39	Adrenergic, but not cholinergic or purinergic, responses are potentiated in the cecum of diabetic rats. <i>Gastroenterology</i> , 1988 , 94, 1357-67	13.3	17
38	Effects of divalent cations and La ³⁺ on contractility and ecto-ATPase activity in the guinea-pig urinary bladder. <i>British Journal of Pharmacology</i> , 1995 , 114, 632-9	8.6	16
37	Pre- and postjunctional effects of diadenosine polyphosphates in the guinea-pig vas deferens. <i>Journal of Pharmacy and Pharmacology</i> , 1995 , 47, 926-31	4.8	15
36	Nucleotides and dinucleotides in ocular physiology: New possibilities of nucleotides as therapeutic agents in the eye. <i>Drug Development Research</i> , 2003 , 59, 136-145	5.1	15
35	The development of the emetic reflex in the house musk shrew, <i>Suncus murinus</i> . <i>Developmental Brain Research</i> , 2000 , 121, 29-34		15
34	Activation of P1- and P2Y-purinoceptors by ADP-ribose in the guinea-pig taenia coli, but not of P2X-purinoceptors in the vas deferens. <i>British Journal of Pharmacology</i> , 1992 , 107, 367-74	8.6	15

33	An in vitro electrophysiological study of the colon from patients with idiopathic chronic constipation. <i>Clinical Autonomic Research</i> , 1992 , 2, 327-33	4.3	15
32	Heme oxygenase-2 and nitric oxide synthase in guinea-pig intracardiac neurones. <i>NeuroReport</i> , 1997 , 8, 1043-6	1.7	14
31	Neuromuscular transmission and innervation in the urinary bladder of the insectivore <i>Suncus murinus</i> . <i>Journal of the Autonomic Nervous System</i> , 1998 , 69, 31-8		14
30	Melatonin potentiates tear secretion induced by diadenosine tetraphosphate in the rabbit. <i>European Journal of Pharmacology</i> , 2006 , 552, 159-61	5.3	14
29	Analysis of pancreatic polypeptide cDNA from the house musk shrew, <i>Suncus murinus</i> , suggests a phylogenetically closer relationship with humans than for other small laboratory animal species. <i>Regulatory Peptides</i> , 2003 , 114, 137-44		13
28	Degradation of adenosine by extracellular adenosine deaminase in the rat duodenum. <i>General Pharmacology</i> , 1988 , 19, 679-81		13
27	Developmental changes in sympathetic contraction of the circular muscle layer in the guinea-pig vas deferens. <i>European Journal of Pharmacology</i> , 1996 , 318, 411-7	5.3	12
26	Effects of aging on cholinergic neuromuscular transmission in isolated small intestine of ad libitum fed and calorically-restricted rats. <i>Neurogastroenterology and Motility</i> , 2012 , 24, 586-92	4	11
25	Potentialiation of uterine effects of prostaglandin F ₂ {alpha} by adenosine 5-triphosphate. <i>Obstetrics and Gynecology</i> , 2005 , 105, 1429-36	4.9	9
24	Potentialiation of sympathetic neuromuscular transmission mediated by muscarinic receptors in guinea pig isolated vas deferens. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2005 , 371, 212-20	3.4	9
23	Abnormalities of innervation of internal anal sphincter in fecal incontinence. <i>Digestive Diseases and Sciences</i> , 1993 , 38, 1961-9	4	9
22	Pre- and postjunctional actions of purine and xanthine compounds in the guinea-pig caecum circular muscle. <i>British Journal of Pharmacology</i> , 1988 , 95, 653-63	8.6	9
21	Effects of diadenosine tetraphosphate on FGF9-induced chloride flux changes in achondroplastic chondrocytes. <i>Purinergic Signalling</i> , 2011 , 7, 243-9	3.8	8
20	Decreased sensitivity of muscarinic but not 5-hydroxytryptamine receptors of the internal anal sphincter in neurogenic faecal incontinence. <i>British Journal of Surgery</i> , 1992 , 79, 829-32	5.3	8
19	Neuromuscular transmission in the gastrointestinal tract 1989 , 435-464		8
18	Effects of long-term laxative treatment on rat mesenteric resistance vessel responses in vitro. <i>Gastroenterology</i> , 1990 , 99, 1352-7	13.3	7
17	Autoradiographic localization of delta-opioid binding sites in human sigmoid colon. <i>European Journal of Pharmacology</i> , 1987 , 142, 185-6	5.3	7
16	Actions of adenylyl compounds in invertebrates from several phyla: Evidence for internal purinoceptors. <i>Comparative Biochemistry and Physiology Part C: Comparative Pharmacology</i> , 1988 , 90, 113-122		7

15	Ethylcholine mustard aziridinium ion (AF64A) impairs cholinergic neuromuscular transmission in the guinea-pig ileum and urinary bladder, and cholinergic neuromodulation in the enteric nervous system of the guinea-pig distal colon. <i>General Pharmacology</i> , 1986 , 17, 543-8		7
14	Effects of long-term laxative treatment on neuropeptides in rat mesenteric vessels and caecum. <i>Journal of Pharmacy and Pharmacology</i> , 1992 , 44, 777-9	4.8	6
13	Sodium nitroprusside enhances contractions of the guinea-pig isolated vas deferens. <i>Journal of Pharmacy and Pharmacology</i> , 1998 , 50, 205-9	4.8	5
12	Diadenosine tetraphosphate protects sympathetic terminals from 6-hydroxydopamine-induced degeneration in the eye. <i>Acta Physiologica</i> , 2010 , 199, 205-10	5.6	5
11	Effects of vitamin E deficiency on autonomic neuroeffector mechanisms in the rat caecum, vas deferens and urinary bladder. <i>Journal of Physiology</i> , 1995 , 487 (Pt 3), 773-86	3.9	5
10	Immunohistochemical localisation of neuropeptides and nitric oxide synthase in sural nerves from Egyptian mummies. <i>Journal of the Autonomic Nervous System</i> , 1997 , 67, 105-8		4
9	Effect of chronic vitamin E deficiency on sympathetic and sensorimotor function in rat mesenteric arteries. <i>Journal of Physiology</i> , 1996 , 490 (Pt 1), 181-9	3.9	4
8	Quinacrine-staining of neurones, and activity of purine nucleosides and nucleotides in marine and terrestrial invertebrates from several phyla. <i>Comparative Biochemistry and Physiology Part C: Comparative Pharmacology</i> , 1992 , 102, 305-14		4
7	Novel ATP Agonists Reveal Receptor Heterogeneity Within P2X and P2Y Subtypes 1995 , 149-156		4
6	Effects of alpha,beta-unsaturated sulphones and phosphonium salts on ecto-ATPase activity and contractile responses mediated via P2 chi-purinoceptors. <i>General Pharmacology</i> , 1995 , 26, 527-32		3
5	Neuropeptides in the internal anal sphincter in neurogenic faecal incontinence. <i>International Journal of Colorectal Disease</i> , 1993 , 8, 201-5	3	3
4	Glibenclamide antagonises the responses to ATP, but not adenosine or adrenaline, in the gastric ligament of the starfish <i>Asterias rubens</i> . <i>Comparative Biochemistry and Physiology Part C: Comparative Pharmacology</i> , 1990 , 97, 363-367		3
3	Effects of adenine nucleosides and nucleotides on the isolated heart of the snail <i>Helix aspersa</i> and the slug <i>Arion ater</i> . <i>Comparative Biochemistry and Physiology Part C: Comparative Pharmacology</i> , 1992 , 101, 175-81		2
2	Responses of the rectum and oesophagus of the snail <i>Helix aspersa</i> to purine nucleotides and nucleosides. <i>Comparative Biochemistry and Physiology Part C: Comparative Pharmacology</i> , 1992 , 103, 535-40		1
1	Actions of adenylyl compounds in the pedal disc of the cnidarian <i>Actinia equina</i> . <i>Comparative Biochemistry and Physiology Part C: Comparative Pharmacology</i> , 1989 , 94, 111-114		1