Geoffrey Burnstock

List of Publications by Year
in descending order

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834	78,774	492	983
papers	citations	129 h-index	237 g-index

874	874	874	24278
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Receptors for purines and pyrimidines. Pharmacological Reviews, 1998, 50, 413-92.	16.0	3,194
2	Purinergic nerves. Pharmacological Reviews, 1972, 24, 509-81.	16.0	1,728
3	Physiology and Pathophysiology of Purinergic Neurotransmission. Physiological Reviews, 2007, 87, 659-797.	28.8	1,396
4	Is there a basis for distinguishing two types of P2-purinoceptor?. General Pharmacology, 1985, 16, 433-440.	0.7	1,266
5	Nomenclature and classification of purinoceptors. Pharmacological Reviews, 1994, 46, 143-56.	16.0	1,243
6	International Union of Pharmacology LVIII: Update on the P2Y G Protein-Coupled Nucleotide Receptors: From Molecular Mechanisms and Pathophysiology to Therapy. Pharmacological Reviews, 2006, 58, 281-341.	16.0	1,147
7	Receptors for Purines and Pyrimidines. , 2012, , 119-244.		1,005
8	Purinoceptors: Are there families of P2X and P2Y purinoceptors?. , 1994, 64, 445-475.		990
9	A P2X purinoceptor expressed by a subset of sensory neurons. Nature, 1995, 377, 428-431.	27.8	985
10	Urinary bladder hyporeflexia and reduced pain-related behaviour in P2X3-deficient mice. Nature, 2000, 407, 1011-1015.	27.8	956
11	Purine and pyrimidine receptors. Cellular and Molecular Life Sciences, 2007, 64, 1471-1483.	5.4	788
12	Roles of P2-purinoceptors in the cardiovascular system.. Circulation, 1991, 84, 1-14.	1.6	755
13	Purinergic signalling in the nervous system: an overview. Trends in Neurosciences, 2009, 32, 19-29.	8.6	733
14	Purinergic signalling in neuronâ€“glia interactions. Nature Reviews Neuroscience, 2006, 7, 423-436.	10.2	722
15	Cellular Distribution and Functions of P2 Receptor Subtypes in Different Systems. International Review of Cytology, 2004, 240, 31-304.	6.2	677
16	Evidence that adenosine triphosphate or a related nucleotide is the transmitter substance released by nonâ€adrenergic inhibitory nerves in the gut. British Journal of Pharmacology, 1970, 40, 668-688.	5.4	644
17	Do some nerve cells release more than one transmitter?. Neuroscience, 1976, 1, 239-248.	2.3	623
18	International union of pharmacology. XXIV. Current status of the nomenclature and properties of P2X receptors and their subunits. Pharmacological Reviews, 2001, 53, 107-18.	16.0	557

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19	Pathophysiology and Therapeutic Potential of Purinergic Signaling. Pharmacological Reviews, 2006, 58, 58-86.	16.0	551
20	The past, present and future of purine nucleotides as signalling molecules. Neuropharmacology, 1997, 36, 1127-1139.	4.1	530
21	Purinergic signalling and disorders of the central nervous system. Nature Reviews Drug Discovery, 2008, 7, 575-590.	46.4	529
22	THE CONCISE GUIDE TO PHARMACOLOGY 2019/20: G proteinâ€coupled receptors. British Journal of Pharmacology, 2019, 176, S21-S141.	5.4	519
23	Cloning and functional expression of a brain G-protein-coupled ATP receptor. FEBS Letters, 1993, 324, 219-225.	2.8	496
24	Purinergic signalling: ATP release. Neurochemical Research, 2001, 26, 959-969.	3.3	456
25	Historical review: ATP as a neurotransmitter. Trends in Pharmacological Sciences, 2006, 27, 166-176.	8.7	454
26	The Expression of P2X3Purinoreceptors in Sensory Neurons: Effects of Axotomy and Glial-Derived Neurotrophic Factor. Molecular and Cellular Neurosciences, 1998, 12, 256-268.	2.2	441
27	P2X₃Knock-Out Mice Reveal a Major Sensory Role for Urothelially Released ATP. Journal of Neuroscience, 2001, 21, 5670-5677.	3.6	439
28	Trophic actions of extracellular nucleotides and nucleosides on glial and neuronal cells. Trends in Neurosciences, 1996, 19, 13-18.	8.6	409
29	Purine-mediated signalling in pain and visceral perception. Trends in Pharmacological Sciences, 2001, 22, 182-188.	8.7	397
30	Purinergic Signalling: Pathophysiological Roles. The Japanese Journal of Pharmacology, 1998, 78, 113-145.	1.2	392
31	Overview: Purinergic Mechanisms. Annals of the New York Academy of Sciences, 1990, 603, 1-17.	3.8	389
32	Atropine resistant excitation of the urinary bladder: the possibility of transmission via nerves releasing a purine nucleotide. British Journal of Pharmacology, 1972, 44, 451-461.	5.4	387
33	Characterization of the UDP-glucose receptor (re-named here the P2Y14 receptor) adds diversity to the P2Y receptor family. Trends in Pharmacological Sciences, 2003, 24, 52-55.	8.7	382
34	Purinergic Signaling and Vascular Cell Proliferation and Death. Arteriosclerosis, Thrombosis, and Vascular Biology, 2002, 22, 364-373.	2.4	369
35	Review lecture. Neurotransmitters and trophic factors in the autonomic nervous system.. Journal of Physiology, 1981, 313, 1-35.	2.9	360
36	Apamin blocks certain neurotransmitter-induced increases in potassium permeability. Nature, 1979, 282, 415-417.	27.8	357

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37	Purinergic signalling: From normal behaviour to pathological brain function. Progress in Neurobiology, 2011, 95, 229-274.	5.7	357
38	P2X receptors in sensory neurones. British Journal of Anaesthesia, 2000, 84, 476-488.	3.4	350
39	P2X receptors in peripheral neurons. Progress in Neurobiology, 2001, 65, 107-134.	5.7	349
40	A dual function for adenosine 5'-triphosphate in the regulation of vascular tone. Excitatory cotransmitter with noradrenaline from perivascular nerves and locally released inhibitory intravascular agent.. Circulation Research, 1986, 58, 319-330.	4.5	338
41	Purinergic receptors: their role in nociception and primary afferent neurotransmission. Current Opinion in Neurobiology, 1996, 6, 526-532.	4.2	338
42	THE CONCISE GUIDE TO PHARMACOLOGY 2021/22: G proteinâ€coupled receptors. British Journal of Pharmacology, 2021, 178, S27-S156.	5.4	337
43	P2X2knockout mice and P2X2/P2X3double knockout mice reveal a role for the P2X2receptor subunit in mediating multiple sensory effects of ATP. Journal of Physiology, 2005, 567, 621-639.	2.9	334
44	Release of vasoactive substances from endothelial cells by shear stress and purinergic mechanosensory transduction. Journal of Anatomy, 1999, 194, 335-342.	1.5	328
45	Purinergic signalling. British Journal of Pharmacology, 2006, 147, S172-S181.	5.4	322
46	The use of the slowly degradable analog, Î±,Î²-methylene ATP, to produce desensitisation of the P2-purinoceptor: Effect on non-adrenergic, non-cholinergic responses of the guinea-pig urinary bladder. European Journal of Pharmacology, 1982, 86, 291-294.	3.5	321
47	Towards a revised nomenclature for P1 and P2 receptors. Trends in Pharmacological Sciences, 1997, 18, 79-82.	8.7	315
48	P2 receptors in cardiovascular regulation and disease. Purinergic Signalling, 2008, 4, 1-20.	2.2	309
49	Suramin antagonizes responses to P₂â€purinoceptor agonists and purinergic nerve stimulation in the guineaâ€pig urinary bladder and taenia coli. British Journal of Pharmacology, 1990, 99, 617-621.	5.4	307
50	PURINERGIC INNERVATION OF THE GUINEAâ€PIG URINARY BLADDER. British Journal of Pharmacology, 1978, 63, 125-138.	5.4	305
51	Purinergic Signalling: Therapeutic Developments. Frontiers in Pharmacology, 2017, 8, 661.	3.5	302
52	Purinergic Signaling in the Cardiovascular System. Circulation Research, 2017, 120, 207-228.	4.5	300
53	ATP as a co-transmitter in rat tail artery. European Journal of Pharmacology, 1984, 106, 149-152.	3.5	292
54	Inhibition of excitatory junction potentials in guinea-pig vas deferens by Î±, Î²-methylene-ATP: Further evidence for ATP and noradrenaline as cotransmitters. European Journal of Pharmacology, 1984, 100, 85-90.	3.5	286

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55	The transmission of excitation from autonomic nerve to smooth muscle. Journal of Physiology, 1961, 155, 115-133.	2.9	284
56	The inhibitory innervation of the taenia of the guineaâ€pig caecum. Journal of Physiology, 1966, 182, 504-526.	2.9	283
57	The changing face of autonomic neurotransmission*. Acta Physiologica Scandinavica, 1986, 126, 67-91.	2.2	272
58	Evidence that ATP acts as a co-transmitter with noradrenaline in sympathetic nerves supplying the guinea-pig vas deferens. European Journal of Pharmacology, 1983, 92, 161-163.	3.5	271
59	Pharmacology of P2X channels. Pflugers Archiv European Journal of Physiology, 2006, 452, 513-537.	2.8	264
60	GABA may be a neurotransmitter in the vertebrate peripheral nervous system. Nature, 1979, 281, 71-74.	27.8	259
61	Purinergic signalling and cancer. Purinergic Signalling, 2013, 9, 491-540.	2.2	258
62	Purinergic signalling and immune cells. Purinergic Signalling, 2014, 10, 529-564.	2.2	254
63	Evolution of the autonomic innervation of visceral and cardiovascular systems in vertebrates. Pharmacological Reviews, 1969, 21, 247-324.	16.0	252
64	A P2X purinoceptor cDNA conferring a novel pharmacological profile. FEBS Letters, 1995, 375, 129-133.	2.8	251
65	Purinergic Signaling and Blood Vessels in Health and Disease. Pharmacological Reviews, 2014, 66, 102-192.	16.0	251
66	Evidence That Release of Adenosine Triphosphate From Endothelial Cells During Increased Shear Stress Is Vesicular. Journal of Cardiovascular Pharmacology, 2001, 38, 900-908.	1.9	246
67	CORRELATION OF FINE STRUCTURE AND PHYSIOLOGY OF THE INNERVATION OF SMOOTH MUSCLE IN THE GUINEA PIG VAS DEFERENS. Journal of Cell Biology, 1963, 19, 529-550.	5.2	243
68	G protein-coupled receptors for ATP and other nucleotides: a new receptor family. Trends in Pharmacological Sciences, 1994, 15, 67-70.	8.7	241
69	Evolutionary origins of the purinergic signalling system. Acta Physiologica, 2009, 195, 415-447.	3.8	236
70	P₂â€purinoceptors of two subtypes in the rabbit mesenteric artery: reactive blue 2 selectively inhibits responses mediated via the P_{2y}â€•but not the P_{2x}â€purinoceptor. British Journal of Pharmacology, 1987, 90, 383-391.	5.4	233
71	A unifying purinergic hypothesis for the initiation of pain. Lancet, The, 1996, 347, 1604-1605.	13.7	231
72	Introduction: P2 Receptors. Current Topics in Medicinal Chemistry, 2004, 4, 793-803.	2.1	229

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73	Increased flowâ€induced ATP release from isolated vascular endothelial cells but not smooth muscle cells. British Journal of Pharmacology, 1991, 103, 1203-1205.	5.4	228
74	P2 receptors and cancer. Trends in Pharmacological Sciences, 2006, 27, 211-217.	8.7	226
75	The effects of purified botulinum neurotoxin type A on cholinergic, adrenergic and non-adrenergic, atropine-resistant autonomic neuromuscular transmission. Neuroscience, 1982, 7, 997-1006.	2.3	218
76	Localization of ATP-gated P2X receptor immunoreactivity in rat sensory and sympathetic ganglia. Neuroscience Letters, 1998, 256, 105-108.	2.1	217
77	P2X7 Receptors: Channels, Pores and More. CNS and Neurological Disorders - Drug Targets, 2012, 11, 705-721.	1.4	216
78	Cotransmission. Current Opinion in Pharmacology, 2004, 4, 47-52.	3.5	214
79	Pivotal Role of Nucleotide P2X₂Receptor Subunit of the ATP-Gated Ion Channel Mediating Ventilatory Responses to Hypoxia. Journal of Neuroscience, 2003, 23, 11315-11321.	3.6	211
80	Purinergic P2 receptors as targets for novel analgesics. , 2006, 110, 433-454.		210
81	Purine and purinergic receptors. Brain and Neuroscience Advances, 2018, 2, 239821281881749.	3.4	207
82	The ultrastructure of Auerbach's plexus in the guinea-pig. I. Neuronal elements. Journal of Neurocytology, 1976, 5, 171-194.	1.5	205
83	Purinoceptors on Neuroglia. Molecular Neurobiology, 2009, 39, 190-208.	4.0	205
84	Rapid release of endothelin and ATP from isolated aortic endothelial cells exposed to increased flow. Biochemical and Biophysical Research Communications, 1990, 170, 649-656.	2.1	204
85	P2 purinergic receptors: modulation of cell function and therapeutic potential. Journal of Pharmacology and Experimental Therapeutics, 2000, 295, 862-9.	2.5	203
86	Direct evidence for ATP release from non-adrenergic, non-cholinergic (â€œpurinergicâ€) nerves in the guinea-pig taenia coli and bladder. European Journal of Pharmacology, 1978, 49, 145-149.	3.5	200
87	Ultrastructural localization of choline acetyltransferase in vascular endothelial cells in rat brain. Nature, 1985, 316, 724-725.	27.8	200
88	Purinergic signalling: from discovery to current developments. Experimental Physiology, 2014, 99, 16-34.	2.0	195
89	DISTRIBUTION OF P2X RECEPTORS IN THE URINARY BLADDER AND THE URETER OF THE RAT. Journal of Urology, 2000, 163, 2002-2007.	0.4	193
90	Purinergic receptors. Journal of Theoretical Biology, 1976, 62, 491-503.	1.7	191

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91	Noradrenaline and ATP as cotransmitters in sympathetic nerves. Neurochemistry International, 1990, 17, 357-368.	3.8	191
92	[3H]Adenosine Triphosphate: Release during Stimulation of Enteric Nerves. Science, 1971, 173, 336-338.	12.6	190
93	A method for studying the effects of ions and drugs on the resting and action potentials in smooth muscle with external electrodes. Journal of Physiology, 1958, 140, 156-167.	2.9	187
94	Activation and sensitisation of low and high threshold afferent fibres mediated by P2X receptors in the mouse urinary bladder. Journal of Physiology, 2002, 541, 591-600.	2.9	186
95	The potential of P2X7 receptors as a therapeutic target, including inflammation and tumour progression. Purinergic Signalling, 2018, 14, 1-18.	2.2	184
96	Long-term (trophic) purinergic signalling: purinoceptors control cell proliferation, differentiation and death. Cell Death and Disease, 2010, 1, e9-e9.	6.3	181
97	Purinergic signalling: Its unpopular beginning, its acceptance and its exciting future. BioEssays, 2012, 34, 218-225.	2.5	180
98	P2X RECEPTORS AND THEIR ROLE IN FEMALE IDIOPATHIC DETRUSOR INSTABILITY. Journal of Urology, 2002, 167, 157-164.	0.4	179
99	The contributions of noradrenaline and ATP to the responses of the rabbit central ear artery to sympathetic nerve stimulation depend on the parameters of stimulation. European Journal of Pharmacology, 1986, 122, 291-300.	3.5	177
100	Purinergic Receptors and Pain. Current Pharmaceutical Design, 2009, 15, 1717-1735.	1.9	176
101	Molecular cloning and characterization of rat P2Y4 nucleotide receptor. British Journal of Pharmacology, 1998, 124, 428-430.	5.4	173
102	P2X₇ Receptors in MÃ¼ller Glial Cells from the Human Retina. Journal of Neuroscience, 2000, 20, 5965-5972.	3.6	173
103	Microglia: Proliferation and activation driven by the P2X7 receptor. International Journal of Biochemistry and Cell Biology, 2010, 42, 1753-1756.	2.8	173
104	Pathophysiology of astroglial purinergic signalling. Purinergic Signalling, 2012, 8, 629-657.	2.2	171
105	P2X ion channel receptors and inflammation. Purinergic Signalling, 2016, 12, 59-67.	2.2	170
106	The journey to establish purinergic signalling in the gut. Neurogastroenterology and Motility, 2008, 20, 8-19.	3.0	169
107	Adenosine and ATP Receptors in the Brain. Current Topics in Medicinal Chemistry, 2011, 11, 973-1011.	2.1	167
108	Endothelial cells cultured from human umbilical vein release ATP, substance P and acetylcholine in response to increased flow. Proceedings of the Royal Society B: Biological Sciences, 1990, 241, 245-248.	2.6	164

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109	Inhibition of the Smooth Muscle of the Taenia Coli. Nature, 1963, 200, 581-582.	27.8	161
110	P2X Receptors in Health and Disease. Advances in Pharmacology, 2011, 61, 333-372.	2.0	160
111	Increased release of ATP from endothelial cells during acute inflammation. Inflammation Research, 1998, 47, 351-354.	4.0	158
112	An introduction to the roles of purinergic signalling in neurodegeneration, neuroprotection and neuroregeneration. Neuropharmacology, 2016, 104, 4-17.	4.1	157
113	Localization of ATP-gated P2X2 and P2X3 receptor immunoreactive nerves in rat taste buds. NeuroReport, 1999, 10, 1107-1111.	1.2	156
114	ATP is released from guinea pig ureter epithelium on distension. American Journal of Physiology - Renal Physiology, 2002, 282, F281-F288.	2.7	150
115	Effect of shear stress on the release of soluble ecto-enzymes ATPase and 5â€²-nucleotidase along with endogenous ATP from vascular endothelial cells. British Journal of Pharmacology, 2000, 129, 921-926.	5.4	149
116	Alterations in P2X and P2Y purinergic receptor expression in urinary bladder from normal cats and cats with interstitial cystitis. American Journal of Physiology - Renal Physiology, 2004, 287, F1084-F1091.	2.7	149
117	Ultrastructural localisation of substance P and choline acetyltransferase in endothelial cells of rat coronary artery and release of substance P and acetylcholine during hypoxia. Experientia, 1989, 45, 121-125.	1.2	148
118	Numbering of cloned P2 purinoceptors. Drug Development Research, 1996, 38, 67-71.	2.9	146
119	Coexpression of Rat P2X₂and P2X₆Subunits inXenopusOocytes. Journal of Neuroscience, 2000, 20, 4871-4877.	3.6	143
120	Metabotropic receptors for ATP and UTP: exploring the correspondence between native and recombinant nucleotide receptors. Trends in Pharmacological Sciences, 1998, 19, 506-514.	8.7	142
121	Localisation of P2Y 1 and P2Y 4 receptors in dorsal root, nodose and trigeminal ganglia of the rat. Histochemistry and Cell Biology, 2003, 120, 415-426.	1.7	139
122	Evidence that prostaglandin is responsible for the â€˜rebound contractionâ€™ following stimulation of non-adrenergic, non-cholinergic (â€˜purinergicâ€™) inhibitory nerves. European Journal of Pharmacology, 1975, 31, 360-362.	3.5	138
123	Purinergic Signaling in the Airways. Pharmacological Reviews, 2012, 64, 834-868.	16.0	138
124	Purinergic Mechanisms and Pain. Advances in Pharmacology, 2016, 75, 91-137.	2.0	138
125	Modulation of astroglial cell proliferation by analogues of adenosine and ATP in primary cultures of rat striatum. Neuroscience, 1994, 59, 67-76.	2.3	137
126	Purinergic signalling in the urinary tract in health and disease. Purinergic Signalling, 2014, 10, 103-155.	2.2	137

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127	Spontaneous potentials at sympathetic nerve endings in smooth muscle. Journal of Physiology, 1962, 160, 446-460.	2.9	136
128	New insights into the local regulation of blood flow by perivascular nerves and endothelium. Journal of Plastic, Reconstructive and Aesthetic Surgery, 1994, 47, 527-543.	1.1	136
129	Expression of P2 receptors in bone and cultured bone cells. Bone, 2000, 27, 503-510.	2.9	136
130	Innervation of the guinea-pig taenia coli: Are there intrinsic inhibitory nerves which are distinct from sympathetic nerves?. International Journal of Neuropharmacology, 1964, 3, 163-166.	1.2	135
131	Biology of purinergic signalling: Its ancient evolutionary roots, its omnipresence and its multiple functional significance. BioEssays, 2014, 36, 697-705.	2.5	135
132	Physiological and pathological roles of purines: An update. Drug Development Research, 1993, 28, 195-206.	2.9	134
133	Effects of extracellular pH on agonism and antagonism at a recombinant P2X2 receptor. British Journal of Pharmacology, 1997, 121, 1445-1453.	5.4	131
134	P2 receptor modulation and cytotoxic function in cultured CNS neurons. Neuropharmacology, 2002, 42, 489-501.	4.1	131
135	8-Phenyltheophylline: A potent P1-purinoceptor antagonist. European Journal of Pharmacology, 1981, 75, 61-64.	3.5	129
136	Ultrastructural localization of P2X3receptors in rat sensory neurons. NeuroReport, 1998, 9, 2545-2550.	1.2	129
137	Induction of proliferation and apoptotic cell death via P2Y and P2X receptors, respectively, in rat glomerular mesangial cells. Kidney International, 2000, 57, 949-958.	5.2	129
138	Comparative studies of purinergic nerves. The Journal of Experimental Zoology, 1975, 194, 103-133.	1.4	127
139	A₂â€purinoceptorâ€mediated relaxation in the guineaâ€pig coronary vasculature: a role for nitric oxide. British Journal of Pharmacology, 1993, 109, 424-429.	5.4	127
140	PPADS selectively antagonizes P_{2X}â€purinoceptorâ€mediated responses in the rabbit urinary bladder. British Journal of Pharmacology, 1993, 110, 1491-1495.	5.4	127
141	Full sensitivity of P_{2times2} purinoceptor to ATP revealed by changing extracellular pH. British Journal of Pharmacology, 1996, 117, 1371-1373.	5.4	127
142	Purinergic signalling: past, present and future. Brazilian Journal of Medical and Biological Research, 2009, 42, 3-8.	1.5	127
143	The Pattern of Distribution of Selected ATP-Sensitive P2 Receptor Subtypes in Normal Rat Kidney: An Immunohistological Study. Cells Tissues Organs, 2003, 175, 105-117.	2.3	126
144	A comparison of the excitatory and inhibitory effects of nonâ€adrenergic, nonâ€cholinergic nerve stimulation and exogenously applied ATP on a variety of smooth muscle preparations from different vertebrate species. British Journal of Pharmacology, 1972, 46, 234-242.	5.4	125

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145	ATP is a potent stimulator of the activation and formation of rodent osteoclasts. Journal of Physiology, 1998, 511, 495-500.	2.9	125
146	Hypoxia stimulates vesicular ATP release from rat osteoblasts. Journal of Cellular Physiology, 2009, 220, 155-162.	4.1	125
147	Potential therapeutic targets in the rapidly expanding field of purinergic signalling. Clinical Medicine, 2002, 2, 45-53.	1.9	123
148	A pharmacological study of the rabbit saphenous artery in vitro: a vessel with a large purinergic contractile response to sympathetic nerve stimulation. British Journal of Pharmacology, 1987, 90, 111-120.	5.4	122
149	Regulation of bone resorption and formation by purines and pyrimidines. Trends in Pharmacological Sciences, 2003, 24, 290-297.	8.7	122
150	ATP-Stimulated Release of ATP by Human Endothelial Cells. Journal of Cardiovascular Pharmacology, 1996, 27, 872-875.	1.9	122
151	Purinergic signalling and bone remodellingâ˜†. Current Opinion in Pharmacology, 2010, 10, 322-330.	3.5	121
152	Neural Nomenclature. Nature, 1971, 229, 282-283.	27.8	120
153	Purinergic cotransmission. Experimental Physiology, 2009, 94, 20-24.	2.0	120
154	Sympathetic nerve-mediated release of ATP from the guinea-pig vas deferens is unaffected by reserpine. European Journal of Pharmacology, 1987, 138, 207-214.	3.5	119
155	Extracellular Nucleotides Block Bone Mineralization in Vitro: Evidence for Dual Inhibitory Mechanisms Involving Both P2Y2 Receptors and Pyrophosphate. Endocrinology, 2007, 148, 4208-4216.	2.8	119
156	Expression of Purinergic Receptors in Non-melanoma Skin Cancers and Their Functional Roles in A431 Cells. Journal of Investigative Dermatology, 2003, 121, 315-327.	0.7	118
157	Pharmacological and Biophysical Properties of the Human P2X₅Receptor. Molecular Pharmacology, 2003, 63, 1407-1416.	2.3	118
158	ATP regulates the differentiation of mammalian skeletal muscle by activation of a P2X5 receptor on satellite cells. Journal of Cell Biology, 2002, 158, 345-355.	5.2	117
159	Glomerular expression of the ATP-sensitive P2X7 receptor in diabetic and hypertensive rat models. Kidney International, 2004, 66, 157-166.	5.2	116
160	Osteoblast responses to nucleotides increase during differentiation. Bone, 2006, 39, 300-309.	2.9	116
161	Cardiac purinergic signalling in health and disease. Purinergic Signalling, 2015, 11, 1-46.	2.2	115
162	Evidence for the presence of P1-purinoceptors on cholinergic nerve terminals in the guinea-pig ileum. European Journal of Pharmacology, 1982, 77, 1-9.	3.5	114

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163	Direct evidence for concomitant release of noradrenaline, adenosine 5â€²-triphosphate and neuropeptide Y from sympathetic nerve supplying the guinea-pig vas deferens. Journal of the Autonomic Nervous System, 1988, 22, 75-82.	1.9	114
164	The birth and postnatal development of purinergic signalling. Acta Physiologica, 2010, 199, 93-147.	3.8	114
165	Modulation of the evoked release of noradrenaline in canine saphenous vein via presynaptic receptors for adenosine but not ATP. European Journal of Pharmacology, 1979, 55, 401-405.	3.5	113
166	Purinergic Receptors Are Part of a Functional Signaling System for Proliferation and Differentiation of Human Epidermal Keratinocytes. Journal of Investigative Dermatology, 2003, 120, 1007-1015.	0.7	113
167	Purinergic Signaling in Healthy and Diseased Skin. Journal of Investigative Dermatology, 2012, 132, 526-546.	0.7	113
168	Nitric oxide synthase immunoreactivity and NADPH-diaphorase activity in a subpopulation of intrinsic neurones of the guinea-pig heart. Neuroscience Letters, 1992, 143, 65-68.	2.1	112
169	The ultrastructure of Auerbach's plexus in the guinea-pig. II. Non-neuronal elements. Journal of Neurocytology, 1976, 5, 195-206.	1.5	111
170	Purinoceptors: Ontogeny and phylogeny. Drug Development Research, 1996, 39, 204-242.	2.9	111
171	Noradrenaline and ATP: cotransmitters and neuromodulators. Journal of Physiology and Pharmacology, 1995, 46, 365-84.	1.1	111
172	Sympathetic purinergic transmission in small blood vessels. Trends in Pharmacological Sciences, 1988, 9, 116-117.	8.7	109
173	Early Expression of a Novel Nucleotide Receptor in the Neural Plate of Xenopus Embryos. Journal of Biological Chemistry, 1997, 272, 12583-12590.	3.4	109
174	Purinergic Mechanosensory Transduction and Visceral Pain. Molecular Pain, 2009, 5, 1744-8069-5-69.	2.1	109
175	AFâ€353, a novel, potent and orally bioavailable P2X3/P2X2/3 receptor antagonist. British Journal of Pharmacology, 2010, 160, 1387-1398.	5.4	109
176	Involvement of purinergic signaling in cardiovascular diseases. Drug News and Perspectives, 2003, 16, 133.	1.5	109
177	Evidence for two types of P2-purinoceptor in longitudinal muscle of the rabbit portal vein. European Journal of Pharmacology, 1985, 111, 49-56.	3.5	108
178	Purinergic signaling in embryonic and stem cell development. Cellular and Molecular Life Sciences, 2011, 68, 1369-1394.	5.4	108
179	Introduction to Purinergic Signalling in the Brain. Advances in Experimental Medicine and Biology, 2013, 986, 1-12.	1.6	108
180	FINE STRUCTURE OF SMOOTH MUSCLE CELLS GROWN IN TISSUE CULTURE. Journal of Cell Biology, 1971, 49, 21-34.	5.2	107

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181	Selective antagonism by PPADS at P_{2X}â€purinoceptors in rabbit isolated blood vessels. British Journal of Pharmacology, 1994, 111, 923-929.	5.4	107
182	P2X Receptors and Their Roles in Astroglia in the Central and Peripheral Nervous System. Neuroscientist, 2012, 18, 422-438.	3.5	107
183	Noradrenaline uptake by nonâ€innervated smooth muscle. British Journal of Pharmacology, 1971, 43, 180-189.	5.4	106
184	P2X and P2Y purinergic receptors on human intestinal epithelial carcinoma cells: effects of extracellular nucleotides on apoptosis and cell proliferation. American Journal of Physiology - Renal Physiology, 2005, 288, G1024-G1035.	3.4	105
185	P2X7 Deficiency Attenuates Renal Injury in Experimental Glomerulonephritis. Journal of the American Society of Nephrology: JASN, 2009, 20, 1275-1281.	6.1	105
186	The therapeutic potential of purinergic signalling. Biochemical Pharmacology, 2018, 151, 157-165.	4.4	105
187	EFFECTS OF ADENOSINE 5â€²â€TRIPHOSPHATE (ATP) AND Î²â€²â€³â€METHYLENE ATP ON THE RAT URINARY BLADDER. British Journal of Pharmacology, 1979, 65, 97-102.	5.4	104
188	P2 receptors in the murine gastrointestinal tract. Neuropharmacology, 2002, 43, 1313-1323.	4.1	104
189	Autonomic Neurotransmission: 60 Years Since Sir Henry Dale. Annual Review of Pharmacology and Toxicology, 2009, 49, 1-30.	9.4	104
190	Purinergic signalling in the musculoskeletal system. Purinergic Signalling, 2013, 9, 541-572.	2.2	104
191	Purinergic signalling and diabetes. Purinergic Signalling, 2013, 9, 307-324.	2.2	103
192	Purinergic Signalling and Neurological Diseases: An Update. CNS and Neurological Disorders - Drug Targets, 2017, 16, 257-265.	1.4	102
193	Structure activity relationships for derivatives of adenosine-5?-triphosphate as agonists at P2 purinoceptors: Heterogeneity within P2x and P2y subtypes. Drug Development Research, 1994, 31, 206-219.	2.9	101
194	P2 receptor web: Complexity and fine-tuning. , 2006, 112, 264-280.		101
195	Purinergic mechanisms and painâ€”An update. European Journal of Pharmacology, 2013, 716, 24-40.	3.5	101
196	Purinergic system in psychiatric diseases. Molecular Psychiatry, 2018, 23, 94-106.	7.9	101
197	Localisation of P2X. Cell and Tissue Research, 1999, 296, 599.	2.9	100
198	Purinergic mechanisms contribute to mechanosensory transduction in the rat colorectum. Gastroenterology, 2003, 125, 1398-1409.	1.3	100

#	Article	IF	Citations
199	Peptide-containing neurones connect the two ganglionated plexuses of the enteric nervous system. Nature, 1980, 283, 391-393.	27.8	99
200	Synergistic effect of acute hypoxia on flow-induced release of ATP from cultured endothelial cells. Experientia, 1995, 51, 256-259.	1.2	99
201	Intraepithelial Vagal Sensory Nerve Terminals in Rat Pulmonary Neuroepithelial Bodies Express P2X₃ Receptors. American Journal of Respiratory Cell and Molecular Biology, 2000, 23, 52-61.	2.9	99
202	Purinergic component of mechanosensory transduction is increased in a rat model of colitis. American Journal of Physiology - Renal Physiology, 2004, 287, G647-G657.	3.4	99
203	The fifth Heymans memorial lecture-Ghent, February 17, 1990. Co-transmission. Archives Internationales De Pharmacodynamie Et De ThÃ©rapie, 1990, 304, 7-33.	0.2	99
204	The action of adrenaline on excitability and membrane potential in the taenia coli of the guinea-pig and the effect of DNP on this action and on the action of acetylcholine. Journal of Physiology, 1958, 143, 183-194.	2.9	98
205	Actions mediated by P₂â€purinoceptorsubtypes in the isolated perfused mesenteric bed of the rat. British Journal of Pharmacology, 1988, 95, 637-645.	5.4	98
206	ATP and UTP at low concentrations strongly inhibit bone formation by osteoblasts: A novel role for the P2Y₂ receptor in bone remodeling. Journal of Cellular Biochemistry, 2002, 86, 413-419.	2.6	98
207	A Histochemical and Immunohistochemical Study of the Autonomic Innervation of the Lower Urinary Tract of the Female Pig. Is The Pig a Good Model for the Human Bladder and Urethra?. Journal of Urology, 1989, 141, 414-422.	0.4	97
208	Substance P is released from the endothelium of normal and capsaicin-treated rat hind-limb vasculature, in vivo, by increased flow.. Circulation Research, 1990, 66, 1178-1183.	4.5	97
209	Effects of purines and pyrimidines on the rat mesenteric arterial bed.. Circulation Research, 1991, 69, 1583-1590.	4.5	97
210	Ecto-enzymes and metabolism of extracellular ATP. Drug Development Research, 1994, 32, 134-146.	2.9	97
211	Coexpression of mRNAs for P2X₁, P2X₂ and P2X₄ Receptors in Rat Vascular Smooth Muscle: An in situ Hybridization and RT-PCR Study. Journal of Vascular Research, 1998, 35, 179-185.	1.4	97
212	Spinal P2X7 receptor mediates microglia activation-induced neuropathic pain in the sciatic nerve injury rat model. Behavioural Brain Research, 2012, 226, 163-170.	2.2	96
213	Fine-structural Identification of Autonomic Nerves and their Relation to Smooth Muscle. Progress in Brain Research, 1971, , 389-404.	1.4	95
214	Different P2-purinergic receptor subtypes of endothelium and smooth muscle in canine blood vessels. Journal of Pharmacology and Experimental Therapeutics, 1987, 241, 501-6.	2.5	95
215	Extracellular ADP is a powerful osteolytic agent: evidence for signaling through the P2Y1receptor on bone cells. FASEB Journal, 2001, 15, 1139-1148.	0.5	94
216	Electron-immunocytochemical localization of P2X 1 receptors in the rat cerebellum. Cell and Tissue Research, 1998, 294, 253-260.	2.9	93

#	Article	IF	Citations
217	Acupuncture: A novel hypothesis for the involvement of purinergic signalling. Medical Hypotheses, 2009, 73, 470-472.	1.5	93
218	Pivotal role of phosphate chain length in vasoconstrictor versus vasodilator actions of adenine dinucleotides in rat mesenteric arteries.. Journal of Physiology, 1995, 483, 703-713.	2.9	92
219	Isolated human bladder: evidence for an adenine dinucleotide acting on P2x-purinoceptors and for purinergic transmission. European Journal of Pharmacology, 1989, 174, 115-118.	3.5	91
220	Diinosine pentaphosphate (IP5 I) is a potent antagonist at recombinant rat P2X1 receptors. British Journal of Pharmacology, 1999, 128, 981-988.	5.4	91
221	Abundant and dynamic expression of G protein-coupled P2Y receptors in mammalian development. Developmental Dynamics, 2003, 228, 254-266.	1.8	91
222	Perivascular noradrenergic and peptide-containing nerves show different patterns of changes during development and ageing in the guinea-pig. Journal of the Autonomic Nervous System, 1986, 16, 109-126.	1.9	90
223	Quinacrine staining of marginal cells in the stria vascularis of the guinea-pig cochlea: a possible source of extracellular ATP?. Hearing Research, 1995, 90, 97-105.	2.0	90
224	Purinergic regulation of vascular tone and remodelling. Autonomic and Autacoid Pharmacology, 2009, 29, 63-72.	0.5	90
225	ATP mediates coronary vasoconstriction via P2x-purinoceptors and coronary vasodilatation via P2y-purinoceptors in the isolated perfused rat heart. European Journal of Pharmacology, 1987, 136, 49-54.	3.5	89
226	Dual Control of Local Blood Flow by Purines. Annals of the New York Academy of Sciences, 1990, 603, 31-44.	3.8	89
227	Distribution of [3H]Î±,Î²-methylene ATP binding sites in rat brain and spinal cord. NeuroReport, 1994, 5, 1601-1604.	1.2	89
228	Interaction between ATP and nerve growth factor signalling in the survival and neuritic outgrowth from PC12 cells. Neuroscience, 2001, 108, 527-534.	2.3	89
229	Purinergic signalling in the gastrointestinal tract and related organs in health and disease. Purinergic Signalling, 2014, 10, 3-50.	2.2	89
230	The effects of acetylcholine on membrane potential, spike frequency, conduction velocity and excitability in the taenia coli of the guineaâ€pig. Journal of Physiology, 1958, 143, 165-182.	2.9	88
231	DISTRIBUTION OF P₁ AND P₂â€PURINOCEPTORS IN THE GUINEAâ€PIG AND FROG HEART. British Journal of Pharmacology, 1981, 73, 879-885.	5.4	88
232	Autonomic neuromuscular junctions: current developments and future directions. Journal of Anatomy, 1986, 146, 1-30.	1.5	88
233	Development and ageing of perivascular adrenergic nerves in the rabbit. A quantitative fluorescence histochemical study using image analysis. Journal of the Autonomic Nervous System, 1982, 5, 317-336.	1.9	87
234	A proposal for the role of ecto-enzymes and adenylates in traumatic shock. Journal of Theoretical Biology, 1980, 87, 609-621.	1.7	86

#	Article	IF	Citations
235	Ultrastructural localisation of serotonin and substance P in vascular endothelial cells of rat femoral and mesenteric arteries. Anatomy and Embryology, 1988, 178, 137-142.	1.5	86
236	Structureâ^'Activity Relationships of Pyridoxal Phosphate Derivatives as Potent and Selective Antagonists of P2X1Receptors. Journal of Medicinal Chemistry, 2001, 44, 340-349.	6.4	86
237	Sequential expression of three receptor subtypes for extracellular ATP in developing rat skeletal muscle. Developmental Dynamics, 2001, 221, 331-341.	1.8	86
238	An evolutionary history of P2X receptors. Purinergic Signalling, 2009, 5, 269-272.	2.2	86
239	Evidence for coexistence of ATP and nitric oxide in non-adrenergic, non-cholinergic (NANC) inhibitory neurones in the rat ileum, colon and anococcygeus muscle. Cell and Tissue Research, 1994, 278, 197-200.	2.9	85
240	Neurochemical identification of enteric neurons expressing P2X3 receptors in the guinea-pig ileum. Histochemistry and Cell Biology, 2002, 118, 193-203.	1.7	85
241	Expression of P2X purinoceptors during rat brain development and their inhibitory role on motor axon outgrowth in neural tube explant cultures. Neuroscience, 2005, 133, 937-945.	2.3	85
242	Characterization of the Ca2+ responses evoked by ATP and other nucleotides in mammalian brain astrocytes. British Journal of Pharmacology, 1997, 121, 1700-1706.	5.4	84
243	Purinergic signalling in the kidney in health and disease. Purinergic Signalling, 2014, 10, 71-101.	2.2	84
244	Characterization of the signalling pathways involved in ATP and basic fibroblast growth factor-induced astrogliosis. British Journal of Pharmacology, 1997, 121, 1692-1699.	5.4	83
245	The regulation of osteoblast function and bone mineralisation by extracellular nucleotides: The role of p2x receptors. Bone, 2012, 51, 389-400.	2.9	82
246	A novel non-adrenergic, non-cholinergic nerve-mediated relaxation of the pig bladder neck: An examination of possible neurotransmitter candidates. European Journal of Pharmacology, 1984, 99, 287-293.	3.5	81
247	Zn²⁺ modulation of ATPâ€responses at recombinant P2X₂ receptors and its dependence on extracellular pH. British Journal of Pharmacology, 1998, 123, 1214-1220.	5.4	81
248	Subunit specificity of polyclonal antisera to the carboxy terminal regions of P2X receptors, P2X1 through P2X7. Drug Development Research, 1999, 47, 189-195.	2.9	81
249	Raised endothelin 1 levels in patients with colorectal liver metastases. British Journal of Surgery, 2003, 85, 502-506.	0.3	81
250	Purinergic signalling in the liver in health and disease. Purinergic Signalling, 2014, 10, 51-70.	2.2	81
251	Tissue distribution of P2X 4 receptors studied with an ectodomain antibody. Cell and Tissue Research, 2003, 313, 159-165.	2.9	80
252	General Principles of Neuronal Co-transmission: Insights From Multiple Model Systems. Frontiers in Neural Circuits, 2018, 12, 117.	2.8	80

#	Article	IF	Citations
253	An increase in the expression of neuropeptidergic vasodilator, but not vasoconstrictor, cerebrovascular nerves in aging rats. Brain Research, 1988, 460, 103-113.	2.2	79
254	Immunohistochemical Evidence for ATP Receptors in Human Dental Pulp. Journal of Dental Research, 2001, 80, 476-483.	5.2	79
255	Purinergic Signalling: Pathophysiology and Therapeutic Potential. Keio Journal of Medicine, 2013, 62, 63-73.	1.1	79
256	AUTONOMIC NEUROEFFECTOR JUNCTIONSâ€"REFLEX VASODILATATION OF THE SKIN. Journal of Investigative Dermatology, 1977, 69, 47-57.	0.7	78
257	Evidence against vasoactive intestinal polypeptide being the non-adrenergic, non-cholinergic inhibitory transmitter released from nerves supplying the smooth muscle of the guinea-pig taenia coli. European Journal of Pharmacology, 1980, 67, 255-264.	3.5	78
258	Axial distribution and characterization of basolateral P2Y receptors along the rat renal tubule. Kidney International, 2000, 58, 1893-1901.	5.2	78
259	Heteromultimeric P2X1/2 Receptors Show a Novel Sensitivity to Extracellular pH. Journal of Pharmacology and Experimental Therapeutics, 2002, 300, 673-680.	2.5	78
260	Purines and Sensory Nerves. Handbook of Experimental Pharmacology, 2009, , 333-392.	1.8	78
261	The interstitial cell and its place in the concept of the autonomic ground plexus. Journal of Comparative Neurology, 1966, 126, 255-284.	1.6	77
262	Vasoconstrictor and vasodilator responses to various agonists in the rat perfused mesenteric arterial bed: selective inhibition by PPADS of contractions mediated via P_{2x}â€purinoceptors. British Journal of Pharmacology, 1994, 113, 1015-1021.	5.4	77
263	Localization of P2X1 purinoceptors by autoradiography and immunohistochemistry in rat kidneys. American Journal of Physiology - Renal Physiology, 1998, 274, F799-F804.	2.7	77
264	Expression of P2X receptors on rat microglial cells during early development. Glia, 2005, 52, 119-126.	4.9	77
265	Distribution of P2X receptors in the urinary bladder and the ureter of the rat. Journal of Urology, 2000, 163, 2002-7.	0.4	77
266	Studies on the stereoselectivity of the P₂â€purinoceptor. British Journal of Pharmacology, 1983, 79, 907-913.	5.4	76
267	Inhibitory action of PPADS on relaxant responses to adenine nucleotides or electrical field stimulation in guineaâ€pig taenia coli and rat duodenum. British Journal of Pharmacology, 1995, 115, 1509-1517.	5.4	76
268	An electron microscopic study on the innervation of the trout heart. Journal of Comparative Neurology, 1968, 132, 567-587.	1.6	75
269	PATHOPHYSIOLOGY OF MIGRAINE: A NEW HYPOTHESIS. Lancet, The, 1981, 317, 1397-1399.	13.7	75
270	Vascular control by purines with emphasis on the coronary system. European Heart Journal, 1989, 10, 15-21.	2.2	75

#	Article	IF	Citations
271	Nitric oxide is the mediator of ATPâ€induced dilatation of the rabbit hepatic arterial vascular bed. British Journal of Pharmacology, 1991, 103, 1602-1606.	5.4	75
272	Purinergic Receptors Are Part of a Signaling System for Keratinocyte Proliferation, Differentiation, and Apoptosis in Human Fetal Epidermis. Journal of Investigative Dermatology, 2003, 121, 1145-1149.	0.7	75
273	Introductory overview of purinergic signalling. Frontiers in Bioscience - Elite, 2011, E3, 896-900.	1.8	75
274	Adenosine triphosphate-evoked vascular changes in human skin: Mechanism of action. European Journal of Pharmacology, 1981, 76, 391-401.	3.5	74
275	Lack of release of vasoactive intestinal polypeptide and calcitonin gene-related peptide during electrical stimulation of enteric nerves in streptozotocin-diabetic rats. Gastroenterology, 1987, 93, 1034-1040.	1.3	74
276	Cyclo-oxygenase-2 mediates P2Y receptor-induced reactive astrogliosis. British Journal of Pharmacology, 1999, 126, 563-567.	5.4	74
277	P2X receptor immunoreactivity in the rat cochlea, vestibular ganglion and cochlear nucleus. Hearing Research, 1999, 128, 190-196.	2.0	74
278	Introduction to Purinergic Signaling. Methods in Molecular Biology, 2020, 2041, 1-15.	0.9	74
279	Physiopathological Roles of P2X Receptors in the Central Nervous System. Current Medicinal Chemistry, 2015, 22, 819-844.	2.4	74
280	Vasoactive Intestinal Polypeptide-like Immunoreactive Nerves in Diabetic Penis: A Comparison Between Streptozotocin-treated Rats and Man. Diabetes, 1983, 32, 1075-1077.	0.6	73
281	Distribution and Roles of Purinoceptor Subtypes. Nucleosides & Nucleotides, 1991, 10, 917-930.	0.5	73
282	Modulation of ATP-responses at recombinant rP2X4 receptors by extracellular pH and zinc. British Journal of Pharmacology, 1999, 126, 762-768.	5.4	73
283	Chapter 1 Current status of purinergic signalling in the nervous system. Progress in Brain Research, 1999, 120, 3-10.	1.4	73
284	Increased expression of the pro-apoptotic ATP-sensitive P2X7 receptor in experimental and human glomerulonephritis. Nephrology Dialysis Transplantation, 2006, 22, 386-395.	0.7	73
285	DEMONSTRATION OF "GAP JUNCTIONS" BETWEEN SMOOTH MUSCLE CELLS. Journal of Cell Biology, 1970, 44, 215-217.	5.2	72
286	Purine-mediated relaxation and constriction of isolated rabbit mesenteric artery are not endothelium-dependent. European Journal of Pharmacology, 1985, 118, 221-229.	3.5	72
287	Angiotensin neuromodulation of adrenergic and purinergic coâ€transmission in the guineaâ€pig vas deferens. British Journal of Pharmacology, 1989, 97, 1157-1164.	5.4	72
288	P2X 2 and P2X 3 purinoceptors in the rat enteric nervous system. Histochemistry and Cell Biology, 2004, 121, 169-179.	1.7	72

#	Article	IF	Citations
289	Astroglia-Derived ATP Modulates CNS Neuronal Circuits. Trends in Neurosciences, 2019, 42, 885-898.	8.6	72
290	Intramural neurones of the guinea-pig urinary bladder: histochemical localization of putative neurotransmitters in cultures and newborn animals. Journal of the Autonomic Nervous System, 1986, 15, 319-339.	1.9	71
291	Endotheliumâ€dependent and endotheliumâ€independent vasodilatation of the hepatic artery of the rabbit. British Journal of Pharmacology, 1991, 103, 1206-1212.	5.4	70
292	Localization of ATP-gated P2X2 receptor immunoreactivity in the rat hypothalamus. Brain Research, 1998, 813, 390-397.	2.2	70
293	Bladder and cutaneous sensory neurons of the rat express different functional p2x receptors. Neuroscience, 2003, 120, 667-675.	2.3	70
294	Discovery of purinergic signalling, the initial resistance and current explosion of interest. British Journal of Pharmacology, 2012, 167, 238-255.	5.4	70
295	Comparative pharmacological studies of isolated spiral strips of large arteries from lower vertebrates. Comparative Biochemistry and Physiology, 1969, 28, 307-319.	1.1	69
296	The Smooth Muscle of Rat Bladder in the Early Stages of Streptozotocinâ€induced Diabetes. British Journal of Urology, 1984, 56, 24-30.	0.1	68
297	Non-synaptic transmission at autonomic neuroeffector junctions. Neurochemistry International, 2008, 52, 14-25.	3.8	68
298	Cellular studies of sympathetic denervation produced by 6-hydroxydopamine in the vas deferens. Journal of Pharmacology and Experimental Therapeutics, 1970, 174, 111-22.	2.5	68
299	Release of ATP from Perfused Heart during Coronary Vasodilatation. Journal of Vascular Research, 1974, 11, 110-119.	1.4	67
300	Stimulation of P1-purinoceptors by ATP depends partly on its conversion to AMP and adenosine and partly on direct action. European Journal of Pharmacology, 1984, 97, 47-54.	3.5	67
301	Contribution of P₁ (A_{2b} subtype) and P₂â€purinoceptors to the control of vascular tone in the rat isolated mesenteric arterial bed. British Journal of Pharmacology, 1995, 115, 648-652.	5.4	67
302	Purinergic signalling in the pancreas in health and disease. Journal of Endocrinology, 2012, 213, 123-141.	2.6	67
303	The effect of adenyl compounds on the rat heart. British Journal of Pharmacology, 1983, 79, 211-218.	5.4	66
304	Atropine-resistant excitatory junction potentials in rabbit bladder are blocked by Î±,Î²-methylene ATP. European Journal of Pharmacology, 1985, 114, 239-240.	3.5	66
305	Discrimination by PPADS between endothelial P_{2Y}â€and P_{2U}â€purinoceptors in the rat isolated mesenteric arterial bed. British Journal of Pharmacology, 1996, 118, 428-434.	5.4	66
306	Purinergic cotransmission. Brain Research Bulletin, 1999, 50, 355-357.	3.0	66

#	Article	IF	Citations
307	Extrinsic Purinergic Regulation of Neural Stem/Progenitor Cells: Implications for CNS Development and Repair. Stem Cell Reviews and Reports, 2012, 8, 755-767.	5.6	66
308	EVIDENCE IN SUPPORT OF THE P₁/P₂ PURINOCEPTOR HYPOTHESIS IN THE GUINEAâ€PIG TAENIA COLI. British Journal of Pharmacology, 1981, 73, 617-624.	5.4	65
309	Activity of novel adenine nucleotide derivatives as agonists and antagonists at recombinant rat P2X receptors. Drug Development Research, 2000, 49, 253-259.	2.9	65
310	Changes in P2X receptor responses of sensory neurons from P2X3-deficient mice. European Journal of Neuroscience, 2001, 14, 1784-1792.	2.6	65
311	P2X and P2Y purinoceptor expression in pancreas from streptozotocin-diabetic rats. Molecular and Cellular Endocrinology, 2003, 204, 141-154.	3.2	65
312	Purinergic signalling in endocrine organs. Purinergic Signalling, 2014, 10, 189-231.	2.2	65
313	Blood cells: an historical account of the roles of purinergic signalling. Purinergic Signalling, 2015, 11, 411-434.	2.2	65
314	COMPARATIVE PHARMACOLOGICAL AND HISTOCHEMICAL EVIDENCE FOR PURINERGIC INHIBITORY INNERVATION OF THE PORTAL VEIN OF THE RABBIT, BUT NOT GUINEAâ€PIG. British Journal of Pharmacology, 1979, 65, 377-388.	5.4	64
315	The structural conformation of the polyphosphate chain of the ATP molecule is critical for its promotion of prostaglandin biosynthesis. European Journal of Pharmacology, 1981, 69, 81-86.	3.5	64
316	A Pyridoxine Cyclic Phosphate and Its 6-Azoaryl Derivative Selectively Potentiate and Antagonize Activation of P2X1 Receptors. Journal of Medicinal Chemistry, 1998, 41, 2201-2206.	6.4	64
317	Sensitization by Extracellular Ca2+ of Rat P2X5 Receptor and Its Pharmacological Properties Compared with Rat P2X1.. Molecular Pharmacology, 2002, 62, 957-966.	2.3	64
318	Changes in expression of autonomic nerves in aging and disease. Journal of the Autonomic Nervous System, 1990, 30, S25-S34.	1.9	63
319	Blockade by glibenclamide of the flowâ€evoked endothelial release of ATP that contributes to vasodilatation in the pulmonary vascular bed of the rat. British Journal of Pharmacology, 1993, 109, 466-472.	5.4	63
320	Molecular cloning, functional characterization and possible cooperativity between the murine P2X4 and P2X4a receptors. Molecular Brain Research, 1999, 64, 246-254.	2.3	63
321	Molecular Cloning and Characterization of a Novel ATP P2X Receptor Subtype from Embryonic Chick Skeletal Muscle. Journal of Biological Chemistry, 2000, 275, 14401-14407.	3.4	63
322	P2Y purinergic receptors regulate the growth of human melanomas. Cancer Letters, 2005, 224, 81-91.	7.2	63
323	Purinergic signalling in the reproductive system in health and disease. Purinergic Signalling, 2014, 10, 157-187.	2.2	63
324	The actions of adenosine 5â€²â€triphosphate on guineaâ€pig intracardiac neurones in culture. British Journal of Pharmacology, 1990, 100, 269-276.	5.4	62

#	Article	IF	Citations
325	Capsaicin-sensitive sensory-motor neurotransmission in the peripheral control of cardiovascular function. Cardiovascular Research, 1996, 31, 467-479.	3.8	62
326	P2X receptor immunoreactivity in the male genital organs of the rat. Cell and Tissue Research, 2000, 300, 321-330.	2.9	62
327	Purinergic signalling in autonomic control. Trends in Neurosciences, 2009, 32, 241-248.	8.6	62
328	Integration of Factors Controlling Vascular Tone. Anesthesiology, 1993, 79, 1368-1380.	2.5	61
329	Uptake and Flow-induced Release of Uridine Nucleotides from Isolated Vascular Endothelial Cells. Endothelium: Journal of Endothelial Cell Research, 1995, 2, 279-285.	1.7	61
330	P2X receptors in the rat duodenal villus. Cell and Tissue Research, 1999, 297, 111-117.	2.9	61
331	Coexpression of P2X(3) and P2X(2) receptor subunits in varying amounts generates heterogeneous populations of P2X receptors that evoke a spectrum of agonist responses comparable to that seen in sensory neurons. Journal of Pharmacology and Experimental Therapeutics, 2001, 296, 1043-50.	2.5	61
332	Purinergic signalling--an overview. Novartis Foundation Symposium, 2006, 276, 26-48; discussion 48-57, 275-81.	1.1	61
333	Long-Lasting Damage to the Internal Male Genital Organs and their Adrenergic Innervation in Rats following Chronic Treatment with the Antihypertensive Drug Guanethidine. Fertility and Sterility, 1972, 23, 657-667.	1.0	60
334	The non-adrenergic, inhibitory innervation of the guinea-pig gallbladder. Pflugers Archiv European Journal of Physiology, 1978, 377, 43-49.	2.8	60
335	Rat bladder in the early stages of streptozotocin-induced diabetes: adrenergic and cholinergic innervation. Diabetologia, 1984, 26, 81-7.	6.3	60
336	Intrinsic neurones and associated cells of the guinea-pig heart in culture. Brain Research, 1986, 364, 102-113.	2.2	60
337	Characterisation of subtypes of the P2X and P2Y families of ATP receptors in the foetal human heart. Life Sciences, 1998, 62, 697-703.	4.3	60
338	Diinosine pentaphosphate: an antagonist which discriminates between recombinant P2X₃ and P2X_{2/3} receptors and between two P2X receptors in rat sensory neurones. British Journal of Pharmacology, 2000, 130, 1378-1384.	5.4	60
339	Interstitial cells of Cajal and purinergic signalling. Autonomic Neuroscience: Basic and Clinical, 2002, 97, 68-72.	2.8	60
340	Localization of P2X3 receptors and coexpression with P2X2 receptors during rat embryonic neurogenesis. Journal of Comparative Neurology, 2002, 443, 368-382.	1.6	60
341	Multiple P2X and P2Y receptor subtypes in mouse J774, spleen and peritoneal macrophages. Biochemical Pharmacology, 2005, 69, 641-655.	4.4	60
342	Purinergic signalling during development and ageing. Purinergic Signalling, 2015, 11, 277-305.	2.2	60

#	Article	IF	Citations
343	Short- and long-term (trophic) purinergic signalling. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150422.	4.0	60
344	P2 Purinoceptors: Historical Perspective and Classification. Novartis Foundation Symposium, 1996, 198, 1-34.	1.1	60
345	Introduction to Purinergic Signalling in the Brain. Advances in Experimental Medicine and Biology, 2020, 1202, 1-12.	1.6	60
346	Comparative studies on the affinities of ATP derivatives for P_{2X}â€purinoceptors in rat urinary bladder. British Journal of Pharmacology, 1994, 112, 1151-1159.	5.4	59
347	Modulatory activity of extracellular H+ and Zn2+ on ATP-responses at rP2X1 and rP2X3 receptors. British Journal of Pharmacology, 1999, 128, 486-492.	5.4	59
348	Functional up-regulation of P2X3 receptors in the chronically compressed dorsal root ganglion. Pain, 2008, 140, 23-34.	4.2	59
349	Purinergic receptor agonists modulate phagocytosis and clearance of apoptotic cells in macrophages. Immunobiology, 2011, 216, 1-11.	1.9	59
350	17Î²-Estradiol Rapidly Attenuates P2X3 Receptor-Mediated Peripheral Pain Signal Transduction via ERÎ± and GPR30. Endocrinology, 2013, 154, 2421-2433.	2.8	59
351	Chronic hypoxia changes the ratio of endothelin to ATP release from rat aortic endothelial cells exposed to high flow. Proceedings of the Royal Society B: Biological Sciences, 1992, 247, 131-135.	2.6	58
352	Purinergic transmitters inhibit bone formation by cultured osteoblasts. Bone, 1997, 21, 393-399.	2.9	58
353	Selective expression of purinoceptor cP2Y1 suggests a role for nucleotide signalling in development of the chick embryo. , 1999, 214, 152-158.		58
354	P2X purinoceptorâ€mediated excitation of trigeminal lingual nerve terminals in an in vitro intraâ€arterially perfused rat tongue preparation. Journal of Physiology, 2000, 524, 891-902.	2.9	58
355	Therapeutic potential of purinergic signalling for diseases of the urinary tract. BJU International, 2011, 107, 192-204.	2.5	58
356	Evidence for ATP and noradrenaline as cotransmitters in sympathetic nerves. Clinical Science, 1985, 68, 89s-92s.	0.0	57
357	Effects of ATP analogues and basic fibroblast growth factor on astroglial cell differentiation in primary cultures of rat striatum. International Journal of Developmental Neuroscience, 1995, 13, 685-693.	1.6	57
358	Changes in expression of P2 receptors in rat and mouse pancreas during development and ageing. Cell and Tissue Research, 2001, 306, 373-383.	2.9	57
359	Purinergic Signaling Along the Renal Tubule: The Current State of Play. Physiology, 2003, 18, 237-241.	3.1	56
360	Human melanomas express functional P2X7 receptors. Cell and Tissue Research, 2005, 321, 411-418.	2.9	56

#	Article	IF	Citations
361	Pathological roles of purinergic signaling in the liver. Journal of Hepatology, 2012, 57, 916-920.	3.7	56
362	Purinergic Signalling and the Nervous System. , 2012, , .		56
363	Neuropeptide Y neuromodulation of sympathetic coâ€transmission in the guineaâ€pig vas deferens. British Journal of Pharmacology, 1990, 100, 457-462.	5.4	55
364	An Increase of Neuropeptide Y But Not Nitric Oxide Synthase-Immunoreactive Nerves in the Bladder Neck from Male Patients with Bladder Neck Dyssynergia. Journal of Urology, 1995, 154, 1231-1236.	0.4	55
365	Pharmacological and molecular characterization of P2X receptors in rat pelvic ganglion neurons. British Journal of Pharmacology, 1998, 125, 771-781.	5.4	55
366	Expression of two ATP-gated ion channels, P2X5 and P2X6, in developing chick skeletal muscle. , 1999, 216, 442-449.		55
367	Activation of ureter nociceptors by exogenous and endogenous ATP in guinea pig. Neuropharmacology, 2004, 47, 1093-1101.	4.1	55
368	An Introduction to Purinergic Receptors. , 1981, , 1-45.		55
369	Potential Functional Roles of Extracellular ATP in Kidney and Urinary Tract. Nephron Experimental Nephrology, 1998, 6, 200-207.	2.2	54
370	Vas deferens â€“ A model used to establish sympathetic cotransmission. Trends in Pharmacological Sciences, 2010, 31, 131-139.	8.7	54
371	Do some sympathetic neurones synthesize and release both noradrenaline and acetylcholine?. Progress in Neurobiology, 1978, 11, 205-222.	5.7	53
372	An electrophysiological analysis of the effect of reactive blue 2, a putative P2-purinoceptor antagonist, on inhibitory junction potential of rat caecum. European Journal of Pharmacology, 1986, 127, 197-204.	3.5	53
373	Serotonin is localized in endothelial cells of coronary arteries and released during hypoxia: A possible new mechanism for hypoxia-induced vasodilatation of the rat heart. Experientia, 1988, 44, 705-707.	1.2	53
374	Purinoceptor expression in regenerating skeletal muscle in the mdx mouse model of muscular dystrophy and in satellite cell cultures. FASEB Journal, 2004, 18, 1404-1406.	0.5	53
375	Development of nerves expressing P2X3 receptors in the myenteric plexus of rat stomach. Histochemistry and Cell Biology, 2004, 122, 111-9.	1.7	53
376	P2 receptors in the thymus: expression of P2X and P2Y receptors in adult rats, an immunohistochemical and in situ hybridisation study. Cell and Tissue Research, 2000, 300, 295-306.	2.9	52
377	Evidence for the involvement of purinergic signalling in the control of respiration. Neuroscience, 2001, 107, 481-490.	2.3	52
378	Changes in P2X3 purinoceptors in sensory ganglia of the mouse during embryonic and postnatal development. Histochemistry and Cell Biology, 2004, 122, 539-551.	1.7	52

#	Article	IF	Citations
379	Purinergic receptorâ€mediated effects of ATP in highâ€grade bladder cancer. BJU International, 2008, 101, 106-112.	2.5	52
380	Sympathetic Innervation of Human Mesenteric Artery and Vein. Journal of Vascular Research, 2008, 45, 323-332.	1.4	52
381	Dual control of vascular tone and remodelling by ATP released from nerves and endothelial cells. Pharmacological Reports, 2008, 60, 12-20.	3.3	52
382	Distribution of P2Y2 receptors in the guinea pig enteric nervous system and its coexistence with P2X2 and P2X3 receptors, neuropeptide Y, nitric oxide synthase and calretinin. Histochemistry and Cell Biology, 2005, 124, 379-390.	1.7	51
383	Antagonism of the effects of purinergic nerve stimulation and exogenously applied ATP on the guinea-pig taenia coli by 2-substituted imidazolines and related compounds. European Journal of Pharmacology, 1973, 23, 264-269.	3.5	50
384	The activation of P₁â€and P₂â€purinoceptors in the guineaâ€pig left atrium by diadenosine polyphosphates. British Journal of Pharmacology, 1996, 118, 1294-1300.	5.4	50
385	Both the ADP receptors P2Y 1 and P2Y 12 , play a role in controlling shape change in human platelets. Platelets, 2003, 14, 15-20.	2.3	50
386	Immunolocalisation of P2X and P2Y nucleotide receptors in the rat nasal mucosa. Cell and Tissue Research, 2005, 319, 27-36.	2.9	50
387	Dedifferentiation, redifferentiation and bundle formation of smooth muscle cells in tissue culture: the influence of cell number and nerve fibres. Journal of Embryology and Experimental Morphology, 1974, 32, 297-323.	0.5	50
388	Distribution of adrenergic nerves and changes in neuromuscular transmission in the mouse vas deferens during postnatal development. Developmental Biology, 1970, 21, 491-505.	2.0	49
389	Intracellular studies of the electrophysiological properties of cultured intracardiac neurones of the guinea-pig.. Journal of Physiology, 1987, 388, 349-366.	2.9	49
390	Distribution and colocalization of nitric oxide synthase and NADPH-diaphorase in adrenal gland of developing, adult and aging Sprague-Dawley rats. Cell and Tissue Research, 1994, 276, 133-141.	2.9	49
391	P2Y Receptors Present in the Native and Isolated Rat Glomerulus. Nephron Physiology, 2004, 96, p79-p90.	1.2	49
392	The distribution of P2X5 purinergic receptors in the enteric nervous system of mouse. Cell and Tissue Research, 2005, 319, 191-200.	2.9	49
393	Effect of extracellular ATP on the growth of hormone-refractory prostate cancer in vivo. BJU International, 2008, 102, 108-112.	2.5	49
394	An in vivo model of melanoma: treatment with ATP. Purinergic Signalling, 2009, 5, 327-333.	2.2	49
395	A comparative study of electrical field stimulation of the guinea-pig, ferret and marmoset urinary bladder. European Journal of Pharmacology, 1985, 114, 311-316.	3.5	48
396	Immunohistochemical identification of cells expressing ATP-gated cation channels (P2X receptors) in the adult rat thyroid. Journal of Anatomy, 2001, 198, 569-579.	1.5	48

#	Article	IF	Citations
397	P2 receptors in human heart: upregulation of P2X6 in patients undergoing heart transplantation, interaction with TNFÎ± and potential role in myocardial cell death. Journal of Molecular and Cellular Cardiology, 2005, 39, 929-939.	1.9	48
398	Unresolved issues and controversies in purinergic signalling. Journal of Physiology, 2008, 586, 3307-3312.	2.9	48
399	Purinergic Signalling in Gut. Handbook of Experimental Pharmacology, 2001, , 141-238.	1.8	48
400	An assessment of the antagonistic activity of reactive blue 2 at P1- and P2-purinoceptors: supporting evidence fro purinergic innervation of the rabbit portal vein. European Journal of Pharmacology, 1987, 140, 47-53.	3.5	47
401	P2 purinoceptorâ€activated inward currents in follicular oocytes of Xenopus laevis.. Journal of Physiology, 1996, 494, 17-28.	2.9	47
402	Ultrastructural localisation of ATP-gated P2X2 receptor immunoreactivity in the rat hypothalamo-neurohypophysial system. Journal of Neurocytology, 1999, 28, 495-504.	1.5	47
403	Characterization of P2 receptors modulating neural activity in rat rostral ventrolateral medulla. Neuroscience, 1999, 94, 867-878.	2.3	47
404	ALTERATIONS IN CHOLINERGIC AND PURINERGIC SIGNALING IN A MODEL OF THE OBSTRUCTED BLADDER. Journal of Urology, 2001, 166, 1530-1533.	0.4	47
405	Region-specific distribution of the P2Y4 receptor in enteric glial cells and interstitial cells of Cajal within the guinea-pig gastrointestinal tract. Autonomic Neuroscience: Basic and Clinical, 2006, 126-127, 299-306.	2.8	47
406	ATP signalling in epilepsy. Purinergic Signalling, 2008, 4, 339-46.	2.2	47
407	Neuropeptide action on the guinea-pig bladder; a comparison with the effects of field stimulation and ATP. European Journal of Pharmacology, 1984, 105, 85-94.	3.5	46
408	Increased Shear Stress Leads to Differential Release of Endothelin and ATP from Isolated Endothelial Cells from 4- and 12-Month-Old Male Rabbit Aorta. Journal of Vascular Research, 1992, 29, 420-425.	1.4	46
409	Evidence for the involvement of both ATP and nitric oxide in nonâ€adrenergic, nonâ€cholinergic inhibitory neurotransmission in the rabbit portal vein. British Journal of Pharmacology, 1993, 109, 606-608.	5.4	46
410	Analysis of P2-Purinoceptor Subtypes on the Smooth Muscle and Endothelium of Rabbit Coronary Artery. Journal of Cardiovascular Pharmacology, 1994, 23, 709-715.	1.9	46
411	The recently deorphanized GPR80 (GPR99) proposed to be the P2Y15 receptor is not a genuine P2Y receptor. Trends in Pharmacological Sciences, 2005, 26, 8-9.	8.7	46
412	Characterization of calciumâ€independent purinergic receptorâ€mediated apoptosis in hormoneâ€refractory prostate cancer. BJU International, 2008, 101, 352-359.	2.5	46
413	Degeneration of adrenergic neurons following guanethidine treatment: An ultrastructural study. Virchows Archiv B, Cell Pathology Including Molecular Pathology, 1972, 11, 182-197.	0.2	46
414	Autonomic Nerveâ€“Smooth Muscle Transmission. Nature, 1960, 187, 951-952.	27.8	45

#	Article	IF	Citations
415	The role of adenosine triphosphate in migraine. Biomedicine and Pharmacotherapy, 1989, 43, 727-736.	5.6	45
416	Highâ€•and lowâ€affinity binding sites for [³H]â€Î±,Î²â€•methylene ATP in rat urinary bladder membranes. British Journal of Pharmacology, 1990, 101, 291-296.	5.4	45
417	Heterogeneous Distribution of [³H]α,β-Methγlene ATP Binding Sites in Blood Vessels. Journal of Vascular Research, 1993, 30, 87-101.	1.4	45
418	Effects of streptozotocin-diabetes on sympathetic nerve, endothelial and smooth muscle function in the rat mesenteric arterial bed. European Journal of Pharmacology, 1995, 286, 193-199.	3.5	45
419	Introduction: Purinergic transmission. Seminars in Neuroscience, 1996, 8, 171-174.	2.2	45
420	Changes in expression of P2X purinoceptors in rat cerebellum during postnatal development. Developmental Brain Research, 2005, 156, 147-157.	1.7	45
421	Inhibition of G Protein-Coupled P2Y₂ Receptor Induced Analgesia in a Rat Model of Trigeminal Neuropathic Pain. Molecular Pain, 2014, 10, 1744-8069-10-21.	2.1	45
422	Interactions between autonomic nerves and smooth and cardiac muscle cells in tissue culture. Developmental Biology, 1973, 32, 194-200.	2.0	44
423	Fluorescent histochemical localisation of quinacrine-positive neurones in the guinea-pig and rabbit atrium. Cardiovascular Research, 1982, 16, 384-390.	3.8	44
424	Effects of phosphorothioate analogues of ATP, ADP and AMP on guineaâ€pig taenia coli and urinary bladder. British Journal of Pharmacology, 1984, 82, 369-374.	5.4	44
425	A Study of Bladder Dysfunction During Streptozotocin-Induced Diabetes in the Rat Using an in Vitro Whole Bladder Preparation. Journal of Urology, 1987, 138, 1279-1284.	0.4	44
426	Motor activity and neurotransmitter release in the gastric fundus of streptozotocin-diabetic rats. European Journal of Pharmacology, 1991, 194, 225-234.	3.5	44
427	Trophic actions of 2-chloroadenosine and bFGF on cultured myenteric neurones. NeuroReport, 1995, 6, 937-941.	1.2	44
428	Distribution of P2X receptor subtypes in the rat female reproductive tract at late pro-oestrus/early oestrus. Cell and Tissue Research, 2000, 299, 105-113.	2.9	44
429	P2X 4 and P2X 6 receptors associate with VE-cadherin in human endothelial cells. Cellular and Molecular Life Sciences, 2002, 59, 870-881.	5.4	44
430	Purinergic receptor expression in the regenerating epidermis in a rat model of normal and delayed wound healing. Experimental Dermatology, 2003, 12, 860-871.	2.9	44
431	Purinergic receptorâ€mediated effects of adenosine 5â€²â€triphosphate in urological malignant diseases. International Journal of Urology, 2009, 16, 143-150.	1.0	44
432	The P2Y6 Receptor Stimulates Bone Resorption by Osteoclasts. Endocrinology, 2011, 152, 3706-3716.	2.8	44

#	Article	IF	Citations
433	P2X receptors and their role in female idiopathic detrusor instability. Journal of Urology, 2002, 167, 157-64.	0.4	44
434	Development and perspectives of the purinoceptor concept. Autonomic and Autacoid Pharmacology, 1996, 16, 295-302.	0.6	43
435	Altered ATP-Sensitive P2 Receptor Subtype Expression in the Han:SPRD cy/+ Rat, a Model of Autosomal Dominant Polycystic Kidney Disease. Cells Tissues Organs, 2004, 178, 168-179.	2.3	43
436	Microglial morphology and its transformation after challenge by extracellular ATP in vitro. Journal of Neuroscience Research, 2006, 83, 91-101.	2.9	43
437	Inhibition of P2X7 receptors improves outcomes after traumatic brain injury in rats. Purinergic Signalling, 2017, 13, 529-544.	2.2	43
438	[3H]-Î±,Î²-Methylene ATP, a radioligand labelling P2-purinoceptors. Journal of the Autonomic Nervous System, 1989, 28, 85-88.	1.9	42
439	Postjunctional synergism of noradrenaline and adenosine 5â€²-triphosphate in the mesenteric arterial bed of the rat. European Journal of Pharmacology, 1990, 175, 291-299.	3.5	42
440	Characterization of P_{2X}â€•and P_{2Y}â€purinoceptors in the rabbit hepatic arterial vasculature. British Journal of Pharmacology, 1991, 103, 1108-1113.	5.4	42
441	Hypoxia, endothelium, and purines. Drug Development Research, 1993, 28, 301-305.	2.9	42
442	Evidence for a P₂â€purinoceptor mediating vasoconstriction by UTP, ATP and related nucleotides in the isolated pulmonary vascular bed of the rat. British Journal of Pharmacology, 1996, 118, 1415-1420.	5.4	42
443	Distribution and colocalization of nitric oxide synthase and calretinin in myenteric neurons of developing, aging, and Crohn's disease human small intestine. Digestive Diseases and Sciences, 1999, 44, 1579-1587.	2.3	42
444	Embryonic expression of a P2X 3 receptor encoding gene in zebrafish. Mechanisms of Development, 2000, 99, 149-152.	1.7	42
445	Expression of Nucleotide P2X Receptor Subtypes during Spermatogenesis in the Adult Rat Testis. Cells Tissues Organs, 2001, 169, 377-387.	2.3	42
446	Localization of P2X and P2Y Receptors in Dorsal Root Ganglia of the Cat. Journal of Histochemistry and Cytochemistry, 2005, 53, 1273-1282.	2.5	42
447	Expression of P2X6 receptors in the enteric nervous system of the rat gastrointestinal tract. Histochemistry and Cell Biology, 2010, 133, 177-188.	1.7	42
448	Enkephalins modulate inhibitory neuromuscular transmission in circular muscle of human colon via delta-opioid receptors.. Journal of Physiology, 1990, 431, 465-478.	2.9	41
449	Contribution of ATP and nitric oxide to NANC inhibitory transmission in rat pyloric sphincter. British Journal of Pharmacology, 1994, 113, 681-686.	5.4	41
450	FITC-labelled antibody staining of tropomyosin-containing fibrils in smooth, cardiac and skeletal muscle cells, prefusion myoblasts, fibroblasts, endothelial cells and 3T3 cells in culture. Cell and Tissue Research, 1977, 183, 153-66.	2.9	40

#	Article	IF	Citations
451	Evidence that the P₁â€purinoceptor in the guineaâ€pig taenia coli is an A₂â€subtype. British Journal of Pharmacology, 1984, 81, 533-541.	5.4	40
452	Evidence that ATP is involved as a co-transmitter in the hypogastric nerve supplying the seminal vesicle of the guinea-pig. European Journal of Pharmacology, 1985, 110, 363-366.	3.5	40
453	The effects of Bay K 8644 and nifedipine on the responses of rat urinary bladder to electrical field stimulation, Î²,Î³â€methylene ATP and acetylcholine. British Journal of Pharmacology, 1990, 101, 494-498.	5.4	40
454	Raynaud's phenomenon. Lancet, The, 1995, 346, 283-290.	13.7	40
455	Investigation of the effects of P2 purinoceptor ligands on the micturition reflex in female urethane-anaesthetized rats. British Journal of Pharmacology, 2004, 142, 519-530.	5.4	40
456	N G-Nitro-l-arginine methyl ester attenuates vasodilator responses to acetylcholine but enhances those to sodium nitroprusside. Journal of Pharmacy and Pharmacology, 2011, 43, 871-874.	2.4	40
457	Cotransmission in the autonomic nervous system. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2013, 117, 23-35.	1.8	40
458	Evidence for Basolateral P2Y6 Receptors along the Rat Proximal Tubule. Journal of the American Society of Nephrology: JASN, 2001, 12, 1640-1647.	6.1	40
459	Modulation of neurotransmission in the guineaâ€pig vas deferens by capsaicin: involvement of calcitonin geneâ€related peptide and substance P. British Journal of Pharmacology, 1989, 98, 707-713.	5.4	39
460	Long-term chemical sympathectomy leads to an increase of neuropeptide Y immunoreactivity in cerebrovascular nerves and iris of the developing rat. Neuroscience, 1990, 34, 369-378.	2.3	39
461	Inhibition of extracellular ATP degradation in endothelial cells. Life Sciences, 1995, 57, 763-771.	4.3	39
462	Mesenteric arterial function in the rat in pregnancy: role of sympathetic and sensoryâ€motor perivascular nerves, endothelium, smooth muscle, nitric oxide and prostaglandins. British Journal of Pharmacology, 1996, 117, 1463-1470.	5.4	39
463	Estrogen modulation of peripheral pain signal transduction: involvement of P2X3 receptors. Purinergic Signalling, 2011, 7, 73-83.	2.2	39
464	Purinergic signalling in the lower urinary tract. Acta Physiologica, 2013, 207, 40-52.	3.8	39
465	Guanethidine sympathectomy of mature rats leads to increases in calcitonin gene-related peptide and vasoactive intestinal polypeptide-containing nerves. Neuroscience, 1992, 47, 453-461.	2.3	38
466	Current state of purinoceptor research. Pharmaceutica Acta Helvetiae, 1995, 69, 231-242.	1.2	38
467	Immunoreactivity to P2X6 receptors in the rat hypothalamo-neurohypophysial system: an ultrastructural study with extravidin and colloidal gold-silver labelling. Neuroscience, 2001, 106, 621-631.	2.3	38
468	Expanding field of purinergic signaling. Drug Development Research, 2001, 52, 1-10.	2.9	38

#	Article	IF	Citations
469	Purinergic Signalling in Lower Urinary Tract. , 2001, , 423-515.		38
470	Evidence that ATP is a neurotransmitter in the frog heart. European Journal of Pharmacology, 1986, 124, 285-289.	3.5	37
471	Vasodilator response of coronary smooth muscle to the sympathetic coâ€transmitters noradrenaline and adenosine 5â€²â€triphosphate. British Journal of Pharmacology, 1991, 104, 337-342.	5.4	37
472	Impaired sensoryâ€motor nerve function in the isolated mesenteric arterial bed of streptozotocinâ€diabetic and ganglioside‐treated streptozotocinâ€diabetic rats. British Journal of Pharmacology, 1993, 110, 1105-1111.	5.4	37
473	Pharmacological comparison of P2X receptors on rat coeliac, mouse coeliac and mouse pelvic ganglion neurons. Neuropharmacology, 2000, 39, 172-180.	4.1	37
474	Vessel tone and remodeling. Nature Medicine, 2006, 12, 16-17.	30.7	37
475	Control of vascular tone by purines and pyrimidines. British Journal of Pharmacology, 2010, 161, 527-529.	5.4	37
476	Effects of reserpine and 6â€hydroxydopamine on the adrenergic and purinergic components of sympathetic nerve responses of the rabbit saphenous artery. British Journal of Pharmacology, 1987, 92, 871-880.	5.4	36
477	Comparative study of the actions of AP₅ A and Î±,Î²â€methylene ATP on nonadrenergic, noncholinergic neurogenic excitation in the guineaâ€pig vas deferens. British Journal of Pharmacology, 1988, 94, 699-706.	5.4	36
478	5-Hydroxytryptamine demonstrated immunohistochemically in rat cerebrovascular nerves largely represents 5-hydroxytryptamine uptake into sympathetic nerve fibres. Neuroscience, 1989, 29, 453-462.	2.3	36
479	Adenosineâ€induced dilatation of the rabbit hepatic arterial bed is mediated by A₂â€purinoceptors. British Journal of Pharmacology, 1991, 103, 1103-1107.	5.4	36
480	The purinergic component of human vas deferens contraction. Fertility and Sterility, 2006, 85, 932-939.	1.0	36
481	Expression of P2X5 receptors in the mouse CNS. Neuroscience, 2008, 156, 673-692.	2.3	36
482	Purinergic receptors as future targets for treatment of functional GI disorders. Gut, 2008, 57, 1193-1194.	12.1	36
483	Myocardial metabolism in heart failure: Purinergic signalling and other metabolic concepts. , 2019, 194, 132-144.		36
484	Purinergic Signaling and Related Biomarkers in Depression. Brain Sciences, 2020, 10, 160.	2.3	36
485	Local Control of Blood Pressure by Purines. Journal of Vascular Research, 1987, 24, 156-160.	1.4	35
486	A pharmacological and histochemical study of hamster urethra and the role of urothelium. British Journal of Pharmacology, 1996, 119, 655-662.	5.4	35

#	Article	IF	Citations
487	Synthesis and structure-activity relationships of pyridoxal-6-arylazo-5?-phosphate and phosphonate derivatives as P2 receptor antagonists. , 1998, 45, 52-66.		35
488	Guineaâ€pig sympathetic neurons express varying proportions of two distinct P2X receptors. Journal of Physiology, 2000, 523, 391-402.	2.9	35
489	Postnatal development of P2 receptors in the murine gastrointestinal tract. Neuropharmacology, 2006, 50, 690-704.	4.1	35
490	Distribution of P2Y6 and P2Y12 receptor: their colocalization with calbindin, calretinin and nitric oxide synthase in the guinea pig enteric nervous system. Histochemistry and Cell Biology, 2006, 125, 327-336.	1.7	35
491	Modulation by prostaglandin E₂ of ATP and noradrenaline coâ€transmission in the guineaâ€pig vas deferens. Autonomic and Autacoid Pharmacology, 1990, 10, 363-372.	0.6	34
492	Smooth Muscle and Purinergic Contraction of the Human, Rabbit, Rat, and Mouse Testicular Capsule1. Biology of Reproduction, 2006, 74, 473-480.	2.7	34
493	The involvement of purinergic signalling in obesity. Purinergic Signalling, 2018, 14, 97-108.	2.2	34
494	Comparative studies of quinacrine-positive neurones in the myenteric plexus of stomach and intestine of guinea-pig, rabbit and rat. Cell and Tissue Research, 1981, 221, 93-107.	2.9	33
495	Effects of cyclopiazonic acid on contractility and ectoâ€ATPase activity in guineaâ€pig urinary bladder and vas deferens. British Journal of Pharmacology, 1994, 113, 669-674.	5.4	33
496	Relative contribution of P_{2U}â€•and P_{2Y}â€purinoceptors to endotheliumâ€dependent vasodilatation in the golden hamster isolated mesenteric arterial bed. British Journal of Pharmacology, 1996, 117, 1797-1802.	5.4	33
497	The absence of autonomic perivascular nerves in human colorectal liver metastases. British Journal of Cancer, 1996, 73, 349-359.	6.4	33
498	ATP and vasoactive intestinal polypeptide relaxant responses in hamster isolated proximal urethra. British Journal of Pharmacology, 1998, 124, 1069-1074.	5.4	33
499	Inhibitory effects of some purinergic agents on ecto-ATPase activity and pattern of stepwise ATP hydrolysis in rat liver plasma membranes. Biochimica Et Biophysica Acta - Biomembranes, 2000, 1466, 234-244.	2.6	33
500	Multiple P2X receptors on guinea-pig pelvic ganglion neurons exhibit novel pharmacological properties. British Journal of Pharmacology, 2001, 132, 221-233.	5.4	33
501	Cell culture: complications due to mechanical release of ATP and activation of purinoceptors. Cell and Tissue Research, 2017, 370, 1-11.	2.9	33
502	Immunocytochemical and pharmacological characterisation of P2-purinoceptor-mediated cell growth and death in PC-3 hormone refractory prostate cancer cells. Anticancer Research, 2004, 24, 2853-9.	1.1	33
503	Actions of tachykinins on the rabbit mesenteric artery: substance P and [Glp⁶,Lâ€Pro⁹]SP_{6â€“11} are potent agonists for endothelial neurokininâ€1 receptors. British Journal of Pharmacology, 1989, 97, 1218-1224.	5.4	32
504	Adrenergic Innervation of the Striated Muscle of the Intrinsic External Urethral Sphincter From Patients with Lower Motor Spinal Cord Lesion. Journal of Urology, 1989, 141, 47-49.	0.4	32

#	Article	IF	Citations
505	Distribution and colocalization of NADPH-diaphorase activity, nitric oxide synthase immunoreactivity, and VIP immunoreactivity in the newly hatched chicken gut. The Anatomical Record, 1995, 243, 10-18.	1.8	32
506	Neurite outgrowth of striatal neurons in vitro: involvement of purines in the growth-promoting effect of myenteric plexus explants. International Journal of Developmental Neuroscience, 1996, 14, 439-451.	1.6	32
507	Single channel properties of P2X ATP receptors in outsideâ€out patches from rat hippocampal granule cells. Journal of Physiology, 2000, 527, 529-547.	2.9	32
508	Gap junction reduction in cardiomyocytes following transforming growth factor-Î² treatment and Trypanosoma cruzi infection. Memorias Do Instituto Oswaldo Cruz, 2009, 104, 1083-1090.	1.6	32
509	Block of P2X7 receptors could partly reverse the delayed neuronal death in area CA1 of the hippocampus after transient global cerebral ischemia. Purinergic Signalling, 2013, 9, 663-675.	2.2	32
510	Introduction and perspective, historical note. Frontiers in Cellular Neuroscience, 2013, 7, 227.	3.7	32
511	Comparative Physiology of the Vertebrate Autonomic Nervous System. I. Innervation of the Urinary Bladder of the Toad (Bufo Marinus). Journal of Experimental Biology, 1963, 40, 403-420.	1.7	32
512	Indirect evidence that purinergic modulation of perivascular adrenergic neurotransmission in the portal vein is a physiological process. British Journal of Pharmacology, 1984, 82, 359-368.	5.4	31
513	P2X₇ Receptors Are Expressed during Mouse Nephrogenesis and in Collecting Duct Cysts of the cpk/cpk Mouse. Nephron Experimental Nephrology, 2002, 10, 34-42.	2.2	31
514	Vasoactive intestinal polypeptide-like immunoreactive nerves in diabetic penis. A comparison between streptozotocin-treated rats and man. Diabetes, 1983, 32, 1075-1077.	0.6	31
515	HISTOCHEMICAL DIAGNOSIS OF HIRSCHSPRUNG'S DISEASE. Lancet, The, 1969, 293, 894-895.	13.7	30
516	Sympathetic and nonsympathetic neuropeptide Y-containing nerves in the rat myocardium and coronary arteries.. Circulation Research, 1990, 66, 1602-1609.	4.5	30
517	P2Y2 receptor-mediated modulation of estrogen-induced proliferation of breast cancer cells. Molecular and Cellular Endocrinology, 2011, 338, 28-37.	3.2	30
518	P2X7 receptors and Fyn kinase mediate ATP-induced oligodendrocyte progenitor cell migration. Purinergic Signalling, 2015, 11, 361-369.	2.2	30
519	Recent Concepts of Chemical Communication between Excitable Cells. , 1983, , 7-35.		30
520	Local mechanisms of blood flow control by perivascular nerves and endothelium. Journal of Hypertension Supplement: Official Journal of the International Society of Hypertension, 1990, 8, S95-106.	0.1	30
521	Actions of adenine dinucleotides in the guineaâ€pig taenia coli: NAD acts indirectly on P₁purinoceptors; NADP acts like a P₂â€purinoceptor agonist. British Journal of Pharmacology, 1985, 84, 825-831.	5.4	29
522	Evidence for noradrenergicâ€purinergic cotransmission in the hepatic artery of the rabbit. British Journal of Pharmacology, 1990, 99, 835-839.	5.4	29

#	Article	IF	Citations
523	Species differences in characteristics and distribution of [3H]Î±,Î²-methylene ATP binding sites in urinary bladder and urethra of rat, guinea-pig and rabbit. European Journal of Pharmacology, 1992, 216, 59-66.	3.5	29
524	Characterization and autoradiographic localization of [3H]Î±,Î²â€methylene adenosine 5â€˜â€triphosphate binding sites in human urinary bladder. British Journal of Urology, 1995, 76, 297-302.	0.1	29
525	The involvement of the endothelium in the relaxation of the leopard frog (Rana pipiens) aorta in response to acetylcholine. British Journal of Pharmacology, 1996, 118, 1518-1522.	5.4	29
526	Pharmacological and histochemical evidence for P2X receptors in human umbilical vessels. European Journal of Pharmacology, 1998, 353, 59-65.	3.5	29
527	Regulation of vascular tone by UTP and UDP in isolated rat intrapulmonary arteries. European Journal of Pharmacology, 1999, 370, 139-143.	3.5	29
528	Overview of P2 receptors: Possible functions in immune cells. Drug Development Research, 2001, 53, 53-59.	2.9	29
529	Antagonism of ATP responses at P2X receptor subtypes by the pH indicator dye, Phenol red. British Journal of Pharmacology, 2005, 145, 313-322.	5.4	29
530	Innervation of the lungs of the sleepy lizard (Trachysaurus rugosus)â€”I. Fluorescent histochemistry of catecholamines. Comparative Biochemistry and Physiology, 1967, 22, 809-813.	1.1	28
531	COMPARISON OF THE EFFECTS OF ULTRAVIOLET LIGHT AND PURINERGIC NERVE STIMULATION ON THE GUINEAâ€PIG TAENIA COLI. British Journal of Pharmacology, 1978, 62, 293-302.	5.4	28
532	Evidence for an inhibitory prejunctional P1-purinoceptor in the rat portal vein with characteristics of the A2 rather than of the A1 subtype. European Journal of Pharmacology, 1984, 100, 363-368.	3.5	28
533	Calretinin immunoreactivity in adrenal glands of developing, adult and ageing Sprague-Dawley rats. International Journal of Developmental Neuroscience, 1995, 13, 515-521.	1.6	28
534	Characteristics of ecto-ATPase ofXenopus oocytes and the inhibitory actions of suramin on ATP breakdown. Pflugers Archiv European Journal of Physiology, 1996, 431, 993-996.	2.8	28
535	Prominent sympathetic purinergic vasoconstriction in the rabbit splenic artery: potentiation by 2,2â€²-pyridylisatogen tosylate. British Journal of Pharmacology, 1997, 120, 530-536.	5.4	28
536	Characterization of P2 receptors for purine and pyrimidine nucleotides in human placental cotyledons. British Journal of Pharmacology, 1997, 121, 1121-1126.	5.4	28
537	Blood vessels in liver metastases from both sarcoma and carcinoma lack perivascular innervation and smooth muscle cells. Clinical and Experimental Metastasis, 1997, 15, 484-498.	3.3	28
538	Alterations in purinergic and cholinergic components of contractile responses of isolated detrusor contraction in a rat model of partial bladder outlet obstruction. BJU International, 2006, 97, 372-378.	2.5	28
539	Analysis of innervation of human mesenteric vessels in non-inflamed and inflamed bowel â€“ a confocal and functional study. Neurogastroenterology and Motility, 2008, 20, 660-670.	3.0	28
540	Sensory-motor neuromodulation of sympathetic vasoconstriction in the rabbit central ear artery. European Journal of Pharmacology, 1990, 187, 171-182.	3.5	27

#	Article	IF	Citations
541	Endothelium of Human Umbilical Blood Vessels: Ultrastructural Immunolocalization of Neuropeptides. Journal of Vascular Research, 1993, 30, 348-355.	1.4	27
542	The extracellular ATP receptor, cP2Y1, inhibits cartilage formation in micromass cultures of chick limb mesenchyme. Developmental Dynamics, 2001, 222, 494-505.	1.8	27
543	P2X1 receptors are closely associated with connexin 43 in human ventricular myocardium. International Journal of Cardiology, 2005, 98, 291-297.	1.7	27
544	P2X5 receptors are expressed on neurons containing arginine vasopressin and nitric oxide synthase in the rat hypothalamus. Brain Research, 2006, 1099, 56-63.	2.2	27
545	Targeting the visceral purinergic system for pain control. Current Opinion in Pharmacology, 2012, 12, 80-86.	3.5	27
546	Purinergic drug targets for gastrointestinal disorders. Current Opinion in Pharmacology, 2017, 37, 131-141.	3.5	27
547	An investigation of the identity of the transmitter substance released by non-adrenergic, non-cholinergic excitatory nerves supplying the small intestine of some lower vertebrates. Comparative and General Pharmacology, 1973, 4, 53-60.	0.7	26
548	Interacting roles of nitric oxide and ATP in the pulmonary circulation of the rat. British Journal of Pharmacology, 1995, 114, 846-850.	5.4	26
549	Nitric oxide synthase is co-localized with vasoactive intestinal polypeptide in postganglionic parasympathetic nerves innervating the rat vas deferens. Neuroscience, 1998, 83, 607-616.	2.3	26
550	Distribution of P2X receptors in the rat adrenal gland. Cell and Tissue Research, 1999, 298, 449-456.	2.9	26
551	Ultrastructural Localisation of ATP-Gated P2X₂Receptor Immunoreactivity in Vascular Endothelial Cells in Rat Brain. Endothelium: Journal of Endothelial Cell Research, 2000, 7, 93-98.	1.7	26
552	Effect on urinary bladder function and arterial blood pressure of the activation of putative purine receptors in brainstem areas.. Autonomic Neuroscience: Basic and Clinical, 2001, 88, 6-15.	2.8	26
553	Introduction: ATP and Its Metabolites as Potent Extracellular Agents. Current Topics in Membranes, 2003, 54, 1-27.	0.9	26
554	Purinergic Receptors in the Nervous System. Current Topics in Membranes, 2003, 54, 307-368.	0.9	26
555	Changes in expression of P2X7receptors in NOD mouse pancreas during the development of diabetes. Autoimmunity, 2007, 40, 108-116.	2.6	26
556	ATP release from the human ureter on distension and P2X3 receptor expression on suburothelial sensory nerves. Purinergic Signalling, 2008, 4, 377-381.	2.2	26
557	ATP-gated P2X receptors in health and disease. Frontiers in Cellular Neuroscience, 2014, 8, 204.	3.7	26
558	Reversal of nerve damage in streptozotocin-diabetic rats by acute application of insulin in vitro. Clinical Science, 1988, 75, 629-635.	4.3	25

#	Article	IF	Citations
559	ATP Release from the Isolated Perfused Guinea Pig Heart in Response to Increased Flow. Journal of Vascular Research, 1996, 33, 1-4.	1.4	25
560	Vasodilatation of intrapulmonary arteries to P2-receptor nucleotides in normal and pulmonary hypertensive newborn piglets. British Journal of Pharmacology, 1999, 128, 543-548.	5.4	25
561	Progressive loss of perivascular nerves adjacent tocolorectal cancer. European Journal of Surgical Oncology, 2000, 26, 588-593.	1.0	25
562	Temperature dependency of P2 receptor-mediated responses. European Journal of Pharmacology, 2002, 456, 107-114.	3.5	25
563	Expression of P2X receptors in rat choroid plexus. NeuroReport, 2005, 16, 903-907.	1.2	25
564	Up-regulation of P2X7 receptors mediating proliferation of Schwann cells after sciatic nerve injury. Purinergic Signalling, 2015, 11, 203-213.	2.2	25
565	Unlocking the Potential of Purinergic Signaling in Transplantation. American Journal of Transplantation, 2016, 16, 2781-2794.	4.7	25
566	Comparative Physiology of the Vertebrate Autonomic Nervous System. Journal of Experimental Biology, 1963, 40, 421-436.	1.7	25
567	Ganglia within the Gut, Heart, Urinary Bladder, and Airways: Studies in Tissue Culture. International Review of Cytology, 1992, 136, 93-144.	6.2	24
568	Vasoconstrictor responses via P2X-receptors are selectively antagonized by NF023 in rabbit isolated aorta and saphenous artery. British Journal of Pharmacology, 1997, 120, 954-960.	5.4	24
569	Chapter 10 Molecular recognition in P2 receptors: Ligand development aided by molecular modeling and mutagenesis. Progress in Brain Research, 1999, 120, 119-132.	1.4	24
570	Actions of a series of PPADS analogs at P2X1 and P2X3 receptors. Drug Development Research, 2001, 53, 281-291.	2.9	24
571	Changes in purinergic signalling in developing and ageing rat tail artery: Importance for temperature control. Neuropharmacology, 2006, 50, 191-208.	4.1	24
572	Transcriptional profile of GTP-mediated differentiation of C2C12 skeletal muscle cells. Purinergic Signalling, 2012, 8, 207-221.	2.2	24
573	Effects of nitric oxide synthase inhibitors, <scp>l</scp>â€N^Gâ€nitroarginine and <scp>l</scp>â€N^Gâ€nitroarginine methyl ester, on responses to vasodilators of the guineaâ€pig coronary vasculature. British Journal of Pharmacology, 1992, 107, 604-609.	5.4	23
574	Nitric oxide and human umbilical vessels: Pharmacological and immunohistochemical studies. Placenta, 1995, 16, 277-288.	1.5	23
575	A neuromodulatory role for neuronal nitric oxide in the rabbit renal artery. British Journal of Pharmacology, 1997, 121, 213-220.	5.4	23
576	The effects of cyclophosphamide on neurotransmission in the urinary bladder of Suncus murinus, the house musk shrew. Journal of the Autonomic Nervous System, 2000, 80, 130-136.	1.9	23

#	Article	IF	Citations
577	Role of ATP and related purines in inhibitory neurotransmission to the pig urinary bladder neck. British Journal of Pharmacology, 2009, 157, 1463-1473.	5.4	23
578	DT-0111: a novel drug-candidate for the treatment of COPD and chronic cough. Therapeutic Advances in Respiratory Disease, 2019, 13, 175346661987796.	2.6	23
579	Purinergic Signalling and Endothelium. Current Vascular Pharmacology, 2016, 14, 130-145.	1.7	23
580	Perinatal development of quinacrine-positive neurons in the rabbit gastrointestinal tract. Journal of the Autonomic Nervous System, 1981, 4, 217-230.	1.9	22
581	Urinary bladder intramural neurones: an electrophysiological study utilizing a tissue culture preparation. Brain Research, 1987, 403, 267-278.	2.2	22
582	Transplantation of the Postnatal Rat Myenteric Plexus into the Adult Rat Corpus Striatum: An Electron Microscopic Study. Experimental Neurology, 1994, 129, 120-129.	4.1	22
583	Mechanisms underlying postjunctional synergism between responses of the vas deferens to noradrenaline and ATP. European Journal of Pharmacology, 2004, 498, 241-248.	3.5	22
584	Inhibitory effect of estrogen receptor beta on P2X3 receptors during inflammation in rats. Purinergic Signalling, 2017, 13, 105-117.	2.2	22
585	Ultrastructural Localization of Nitric Oxide Synthase in Intima of Rabbit Aorta. Endothelium: Journal of Endothelial Cell Research, 1993, 1, 23-29.	1.7	21
586	A role for calcineurin in the desensitization of the P2X3 receptor. NeuroReport, 1997, 8, 1099-1102.	1.2	21
587	Rat chromaffin cells lack P2X receptors while those of the guinea-pig express a P2X receptor with novel pharmacology. British Journal of Pharmacology, 1999, 128, 61-68.	5.4	21
588	Ultrastructural Localization of Nitric Oxide Synthase and Endothelin in the Renal and Mesenteric Arteries of the Golden Hamster: Differences during and after Arousal from Hibernation. Endothelium: Journal of Endothelial Cell Research, 1999, 6, 197-207.	1.7	21
589	Impairment of the splenic immune system in P2X2/P2X3 knockout mice. Immunobiology, 2005, 209, 661-668.	1.9	21
590	Expression of P2X receptors on immune cells in the rat liver during postnatal development. Histochemistry and Cell Biology, 2006, 126, 453-463.	1.7	21
591	Abnormalities in neuromuscular junction structure and skeletal muscle function in mice lacking the P2X2 nucleotide receptor. Neuroscience, 2007, 148, 700-711.	2.3	21
592	ATP causes postjunctional potentiation of noradrenergic contractions in the portal vein of guinea-pig and rat*. Journal of Pharmacy and Pharmacology, 2011, 38, 307-309.	2.4	21
593	Electroconvulsive therapy: a novel hypothesis for the involvement of purinergic signalling. Purinergic Signalling, 2011, 7, 447-452.	2.2	21
594	The non-adrenergic non-cholinergic nervous system. Archives Internationales De Pharmacodynamie Et De ThÃ©rapie, 1986, 280, 1-15.	0.2	21

#	Article	IF	Citations
595	Effects of pyrimidines on the guineaâ€pig coronary vasculature. British Journal of Pharmacology, 1993, 110, 1091-1097.	5.4	20
596	Some effects of purines on neurones of guinea-pig superior cervical ganglia. General Pharmacology, 1994, 25, 143-148.	0.7	20
597	Noradrenergicâ€nitrergic interactions in the rat anococcygeus muscle: evidence for postjunctional modulation by nitric oxide. British Journal of Pharmacology, 1994, 112, 403-410.	5.4	20
598	Responses of the aorta of the garter snake (Thamnophis sirtalis parietalis) to purines. British Journal of Pharmacology, 1995, 114, 41-48.	5.4	20
599	The effects of purine compounds on the isolated aorta of the frog Rana temporaria. British Journal of Pharmacology, 1996, 117, 873-878.	5.4	20
600	Purineâ€•and pyrimidineâ€induced responses and P2Y receptor characterization in the hamster proximal urethra. British Journal of Pharmacology, 2005, 144, 510-518.	5.4	20
601	Alterations in Purinoceptor Expression in Human Long Saphenous Vein during Varicose Disease. European Journal of Vascular and Endovascular Surgery, 2007, 33, 239-250.	1.5	20
602	Changing P2X receptor localization on maturing sperm in the epididymides of mice, hamsters, rats, and humans: a preliminary study. Fertility and Sterility, 2010, 93, 1415-1420.	1.0	20
603	ATP derived from astrocytes modulates memory in the chick. Neuron Glia Biology, 2011, 7, 177-186.	1.6	20
604	Sympathetic innervation of the kidney in health and disease: Emphasis on the role of purinergic cotransmission. Autonomic Neuroscience: Basic and Clinical, 2017, 204, 4-16.	2.8	20
605	PACPX â€•a substituted xanthine â€ antagonizes both the A₁ and A₂ subclasses of the P₁â€purinoceptor: antagonism of the A₂ subclass is competitive but antagonism of the A₁ subclass is not. British Journal of Pharmacology, 1985, 85, 291-296.	5.4	19
606	The effect of ATP analogues on the spontaneous electrical and mechanical activity of rat portal vein longitudinal muscle. European Journal of Pharmacology, 1987, 138, 319-325.	3.5	19
607	Use of reserpine and 6-hydroxydopamine supports evidence for purinergic cotransmission in the rabbit ear artery. European Journal of Pharmacology, 1988, 155, 271-277.	3.5	19
608	Unusual absence of endothelium-dependent or -independent vasodilatation to purines or pyrimidines in the rat renal artery. Kidney International, 2003, 64, 1389-1397.	5.2	19
609	Oxytocin is expressed by both intrinsic sensory and secretomotor neurons in the enteric nervous system of guinea pig. Cell and Tissue Research, 2011, 344, 227-237.	2.9	19
610	Purinergic Signalling in the Gut. Advances in Experimental Medicine and Biology, 2016, 891, 91-112.	1.6	19
611	Ultrastructural identification of VIP-containing nerve fibres in the myenteric plexus of the rat ileum. Journal of Neurocytology, 1985, 14, 327-335.	1.5	18
612	Regulation of voltage-dependent excitatory responses to Î±,Î²-methylene ATP, ATP and non-adrenergic nerve stimulation by dihydropyridines in the guinea-pig vas deferens. Neuroscience, 1988, 27, 317-332.	2.3	18

#	Article	IF	Citations
613	Adrenergic, but not cholinergic or purinergic, responses are potentiated in the cecum of diabetic rats. Gastroenterology, 1988, 94, 1357-1367.	1.3	18
614	Intramural Ganglia in the Human Urethra. Journal of Urology, 1988, 140, 183-187.	0.4	18
615	Implantation of the myenteric plexus into the corpus striatum of adult rats: survival of the neurons and glia and interactions with host brain. Restorative Neurology and Neuroscience, 1992, 4, 311-321.	0.7	18
616	In situ hybridization of atrial natriuretic peptide mRNA in the endothelial cells of human umbilical vessels. Histochemistry, 1993, 100, 277-283.	1.9	18
617	Differential Effects of ATP- and 2-MethylthioATP-Induced Relaxation in Guinea Pig Coronary Vasculature. Journal of Cardiovascular Pharmacology, 1994, 23, 757-764.	1.9	18
618	Recovery after dietary vitamin E supplementation of impaired endothelial function in vitamin Eâ€deficient rats. British Journal of Pharmacology, 1994, 112, 515-518.	5.4	18
619	Effects of divalent cations and La³⁺ on contractility and ectoâ€ATPase activity in the guineaâ€pig urinary bladder. British Journal of Pharmacology, 1995, 114, 632-639.	5.4	18
620	Receptor nomenclature. Drug Development Research, 1996, 39, 461-466.	2.9	18
621	In oculo transplants of myometrium from postpartum guinea pigs fail to support sympathetic reinnervation. Journal of Anatomy, 1998, 193, 509-517.	1.5	18
622	The influence of hypothermia on P2 receptor-mediated responses of frog skeletal muscle. European Journal of Pharmacology, 2005, 509, 187-193.	3.5	18
623	Developmental changes in heteromeric P2X_{2/3} receptor expression in rat sympathetic ganglion neurons. Developmental Dynamics, 2005, 234, 505-511.	1.8	18
624	Differential expression of P2X receptors on neurons from different parasympathetic ganglia. Neuropharmacology, 2005, 48, 766-777.	4.1	18
625	Term-dependency of P2 receptor-mediated contractile responses of isolated human pregnant uterus. European Journal of Obstetrics, Gynecology and Reproductive Biology, 2006, 129, 128-134.	1.1	18
626	Sympathetic Nerve Varicosities in Close Apposition to Basolateral Membranes of Collecting Duct Epithelial Cells of Rat Kidney. Nephron Physiology, 2009, 113, p15-p21.	1.2	18
627	Astroglial P2X7 receptor current density increased following long-term exposure to rotenone. Purinergic Signalling, 2011, 7, 65-72.	2.2	18
628	Purinergic Signalling in Development. , 2001, , 89-127.		18
629	Distribution of P2X receptor subtypes in the rat female reproductive tract at late pro-oestrus/early oestrus. Cell and Tissue Research, 2000, 299, 105-113.	2.9	18
630	Axon retraction following guanethidine treatment. Cell and Tissue Research, 1973, 146, 439-451.	2.9	17

#	Article	IF	Citations
631	Changes in vasoconstrictor and vasodilator responses of the basilar artery during maturation in the Watanabe heritable hyperlipidemic rabbit differ from those in the New Zealand White rabbit.. Arteriosclerosis and Thrombosis: A Journal of Vascular Biology, 1991, 11, 1147-1155.	3.9	17
632	An electrophysiological study of developmental changes in the innervation of the guinea-pig taenia coli. Pflugers Archiv European Journal of Physiology, 1993, 423, 427-433.	2.8	17
633	Purinoceptors in the regulation of cell growth and differentiation. Drug Development Research, 1996, 39, 407-412.	2.9	17
634	Adenosine 5â€²-triphosphate and its relationship with other mediators that activate pelvic nerve afferent neurons in the rat colorectum. Purinergic Signalling, 2006, 2, 517-526.	2.2	17
635	Estrogen altered visceromotor reflex and P2X3 mRNA expression in a rat model of colitis. Steroids, 2009, 74, 956-962.	1.8	17
636	Pre- and Postjunctional Effects of Diadenosine Polyphosphates in the Guinea-pig Vas Deferens. Journal of Pharmacy and Pharmacology, 2011, 47, 926-931.	2.4	17
637	Effect of changes in rate of vascular perfusion on release of substances into the effluent from the brain of the rabbit. Brain Research, 1993, 630, 88-94.	2.2	16
638	Responses of Rabbit Basilar Arteries to Vasoconstrictor and Vasodilator Agents: The Effects of Atherosclerosis, Age and Sex. Journal of Vascular Research, 1994, 31, 106-113.	1.4	16
639	Identification of P1 and P2 purinoceptors in the aorta of the lizard (Agama sp.). Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2001, 128, 413-423.	2.6	16
640	Regional expression of P2Y4 receptors in the rat central nervous system. Purinergic Signalling, 2011, 7, 469-488.	2.2	16
641	Expression of P2X2 and P2X3 receptors in the rat carotid sinus, aortic arch, vena cava, and heart, as well as petrosal and nodose ganglia. Purinergic Signalling, 2012, 8, 15-22.	2.2	16
642	Purinergic and Glutamatergic Receptors on Astroglia. Advances in Neurobiology, 2014, 11, 55-79.	1.8	16
643	Introduction: Changing Face of Autonomic and Sensory Nerves in the Circulation. , 1993, , 1-22.		16
644	The effect of suramin on vasodilator responses to ATP and 2-methylthio-ATP in the Sprague-Dawley rat coronary vasculature. European Journal of Pharmacology, 1994, 251, 299-302.	3.5	15
645	Interactions between Sensory Perivascular Nerves and the Endothelium in Brain Microvessels. International Journal of Microcirculation, Clinical and Experimental, 1995, 15, 1-9.	0.5	15
646	Enhanced sympathetic neurotransmission in the tail artery of 1,3â€dipropylâ€8â€sulphophenylxanthine (DPSPX)â€treated rats. British Journal of Pharmacology, 1995, 116, 1918-1922.	5.4	15
647	Diadenosine polyphosphate-activated inward and outward currents in follicular oocytes of Xenopus laevis. Life Sciences, 1996, 59, PL179-PL184.	4.3	15
648	Different effects of ATP on the contractile activity of mice diaphragmatic and skeletal muscles. Neurochemistry International, 2006, 49, 756-763.	3.8	15

#	Article	IF	Citations
649	A functional study of purinergic signalling in the normal and pathological rabbit corpus cavernosum. BJU International, 2008, 101, 1043-1047.	2.5	15
650	The Concept of Cotransmission: Focus on ATP as a Cotransmitter and its Significance in Health and Disease. European Review, 2014, 22, 1-17.	0.7	15
651	Innervation of Bladder and Bowel. Novartis Foundation Symposium, 1990, 151, 2-26.	1.1	15
652	DISTRIBUTION OF P2X RECEPTORS IN THE URINARY BLADDER AND THE URETER OF THE RAT. Journal of Urology, 2000, , 2002-2007.	0.4	15
653	The Electrophysiologic and Neurochemical Properties of Paratracheal Neurones in situ and in Dissociated Cell Culture. The American Review of Respiratory Disease, 1987, 136, S23-S26.	2.9	14
654	Age-related changes in purinergic and adrenergic components of sympathetic neurotransmission in guinea-pig seminal vesicles. British Journal of Pharmacology, 1997, 122, 1411-1416.	5.4	14
655	Ageâ€related changes in the localization of P2X (nucleotide) receptors in the rat adrenal gland. International Journal of Developmental Neuroscience, 2000, 18, 515-520.	1.6	14
656	Expression of P2X and P2Y receptors in the intramural parasympathetic ganglia of the cat urinary bladder. American Journal of Physiology - Renal Physiology, 2006, 290, F1143-F1152.	2.7	14
657	P2X receptors are expressed on neurons containing luteinizing hormone-releasing hormone in the mouse hypothalamus. Neuroscience Letters, 2009, 458, 32-36.	2.1	14
658	Introduction to the Special Issue on Purinergic Receptors. Advances in Experimental Medicine and Biology, 2017, 1051, 1-6.	1.6	14
659	Purinergic signalling in neuroregeneration. Neural Regeneration Research, 2015, 10, 1919.	3.0	14
660	VASOACTIVE INTESTINAL POLYPEPTIDE (VIP)-IMMUNOREACTIVE NERVE FIBRES ASSOCIATED WITH THE STRIATED MUSCLE OF THE HUMAN EXTERNAL URETHRAL SPHINCTER. Lancet, The, 1985, 325, 47-48.	13.7	13
661	Triphosphate, the key structure of the ATP molecule responsible for interaction with P2X-purinoceptors. General Pharmacology, 1993, 24, 637-640.	0.7	13
662	Enhanced vasoconstrictor responses in renal and femoral arteries of the golden hamster during hibernation. Journal of Physiology, 1998, 512, 927-938.	2.9	13
663	The effects of hibernation on the myenteric plexus of the golden hamster small and large intestine. Cell and Tissue Research, 1999, 296, 479-487.	2.9	13
664	Endothelin in human cerebrovascular nerves. Clinical Science, 2002, 103, 404S-407S.	4.3	13
665	Purinergic Signalling to Rat Ovarian Smooth Muscle: Changes in P2X Receptor Expression during Pregnancy. Cells Tissues Organs, 2004, 178, 33-47.	2.3	13
666	Presence of the P2X7 purinergic receptor on immune cells that invade the rat endometrium during oestrus. Journal of Reproductive Immunology, 2005, 66, 127-140.	1.9	13

#	Article	IF	Citations
667	Potentiation of Uterine Effects of Prostaglandin F2Î± by Adenosine 5â€²-Triphosphate. Obstetrics and Gynecology, 2005, 105, 1429-1436.	2.4	13
668	Expression and localization of P2 nucleotide receptor subtypes during development of the lateral ventricular choroid plexus of the rat. European Journal of Neuroscience, 2007, 25, 3319-3331.	2.6	13
669	Management of Erectile Function by Penile Purinergic P2 Receptors in the Diabetic Rat. Journal of Urology, 2009, 181, 2375-2382.	0.4	13
670	Developmental expression of P2X5 receptors in the mouse prenatal central and peripheral nervous systems. Purinergic Signalling, 2013, 9, 239-248.	2.2	13
671	Purinergic cotransmission. F1000 Biology Reports, 2009, 1, 46.	4.0	13
672	An unusual excitatory action of adenosine on the ventricular muscle of the south african clawed toad (Xenopus laevis). European Journal of Pharmacology, 1983, 89, 251-258.	3.5	12
673	Developmental changes in sympathetic contraction of the circular muscle layer in the guinea-pig vas deferens. European Journal of Pharmacology, 1996, 318, 411-417.	3.5	12
674	Steady-state binding of [3 H]ATP to rat liver plasma membranes and competition by various purinergic agonists and antagonists. Biochimica Et Biophysica Acta - Biomembranes, 1998, 1373, 227-236.	2.6	12
675	Steady-State Binding of Adenine Nucleotides ATP, ADP and AMP to Rat Liver and Adipose Plasma Membranes. Journal of Receptor and Signal Transduction Research, 1999, 19, 437-448.	2.5	12
676	Changes in P2Y2 receptor localization on adrenaline- and noradrenaline-containing chromaffin cells in the rat adrenal gland during development and aging. International Journal of Developmental Neuroscience, 2005, 23, 567-573.	1.6	12
677	Purinoceptor expression on keratinocytes reflects their function on the epidermis during chronic venous insufficiency. Archives of Dermatological Research, 2006, 298, 301-307.	1.9	12
678	Purinergic signaling. Environmental Sciences Europe, 2012, 1, 116-125.	5.5	12
679	Properties of Intramural Neurones Cultured from the Heart and Bladder. , 1987, , 323-328.		12
680	Capsaicin-sensitive sensory-motor neurotransmission in the peripheral control of cardiovascular function. Cardiovascular Research, 1996, 31, 467-79.	3.8	12
681	Distribution of P2X receptors in the rat adrenal gland. Cell and Tissue Research, 1999, 298, 449-456.	2.9	12
682	Mechanisms of Interaction of Peptide and Nonpeptide Vascular Neurotransmitter Systems. Journal of Cardiovascular Pharmacology, 1987, 10, S74-S81.	1.9	11
683	Effects of noradrenaline on rat paratracheal neurones and localization of an endogenous source of noradrenaline. British Journal of Pharmacology, 1992, 107, 471-475.	5.4	11
684	P2Y purinoceptors in gastric gland plasma membranes. European Journal of Pharmacology, 1996, 312, 209-214.	3.5	11

#	Article	IF	Citations
685	Long-Term Guanethidine Sympathectomy Suppresses Flow-Induced Release of ATP and Endothelin from Endothelial Cells Isolated from Adult Rat Aorta. Journal of Vascular Research, 1996, 33, 139-145.	1.4	11
686	Presence of constitutive endothelial nitric oxide synthase immunoreactivity in urothelial cells of hamster proximal urethra. European Journal of Pharmacology, 1999, 367, 85-89.	3.5	11
687	Localization of P2X Receptors in the Guinea Pig Adrenal Gland. Cells Tissues Organs, 2000, 167, 297-302.	2.3	11
688	P2X2, P2X2-2 and P2X5 receptor subunit expression and function in rat thoracolumbar sympathetic neurons. Journal of Neurochemistry, 2008, 79, 997-1003.	3.9	11
689	Endothelium-Derived Vasoconstriction by Purines and Pyrimidines. Circulation Research, 2008, 103, 1056-1057.	4.5	11
690	Blocking P2X receptors can inhibit the injury-induced proliferation of olfactory epithelium progenitor cells in adult mouse. International Journal of Pediatric Otorhinolaryngology, 2010, 74, 747-751.	1.0	11
691	A comparative study of the effect of 17Î²-estradiol and estriol on peripheral pain behavior in rats. Steroids, 2012, 77, 241-249.	1.8	11
692	Mechanisms of ATP Release and Inactivation. , 2012, , 79-118.		11
693	Intracellular expression of purinoceptors. Purinergic Signalling, 2015, 11, 275-276.	2.2	11
694	A special type of small granule-containing cell in the abdominal para aortic region of the frog. Journal of Neurocytology, 1976, 5, 465-478.	1.5	10
695	Abnormalities of Responses to Autonomic Stimulation in the Mouse Urinary Bladder Associated with Semliki Forest Virus-Induced Demyelination. Journal of Urology, 1989, 142, 850-854.	0.4	10
696	Cytokines suppress the shear stress-stimulated release of vasoactive peptides from human endothelial cells. Peptides, 1995, 16, 1433-1438.	2.4	10
697	Contractility of urinary bladder and vas deferens after sensory denervation by capsaicin treatment of newborn rats. British Journal of Pharmacology, 1995, 114, 166-170.	5.4	10
698	Augmented sensoryâ€motor vasodilatation of the rat mesenteric arterial bed after chronic infusion of the P₁â€purinoceptor antagonist, DPSPX. British Journal of Pharmacology, 1996, 118, 1675-1680.	5.4	10
699	Increase in nitric oxide synthase and NADPH-diaphorase in the adrenal gland of streptozotocin-diabetic Wistar rats and its prevention by ganglioside. International Journal of Developmental Neuroscience, 1996, 14, 111-123.	1.6	10
700	Characterization and autoradiographic localization of [3H]Î±,Î²-methylene ATP binding sites in cat urinary bladder. General Pharmacology, 1996, 27, 509-512.	0.7	10
701	Electron-immunocytochemical studies of perivascular nerves of mesenteric and renal arteries of golden hamsters during and after arousal from hibernation. Journal of Anatomy, 1999, 195, 121-130.	1.5	10
702	Interaction of hydrocortisone with ATP and adenosine on nerve-mediated contractions of frog skeletal muscle. European Journal of Pharmacology, 2009, 607, 54-59.	3.5	10

#	Article	IF	Citations
703	Expression of P2Y receptors in the rat anterior pituitary. Purinergic Signalling, 2011, 7, 207-219.	2.2	10
704	Preface to special issue (Commercial Developments in Purinergic Signalling). Purinergic Signalling, 2012, 8, 1-1.	2.2	10
705	Plasticity in Expression of Co-Transmitters and Autonomic Nerves in Aging and Disease. Advances in Experimental Medicine and Biology, 1991, 296, 291-301.	1.6	10
706	Evidence for coexistence of ATP and nitric oxide in non-adrenergic, non-cholinergic (NANC) inhibitory neurones in the rat ileum, colon and anococcygeus muscle. Cell and Tissue Research, 1994, 278, 197-200.	2.9	10
707	Purinergic signaling in the gastrointestinal tract. World Journal of Gastrointestinal Pathophysiology, 2011, 2, 31.	1.0	10
708	Trophic Roles of P2 Purinoceptors in Central Nervous System Astroglial Cells. Novartis Foundation Symposium, 1996, 198, 142-148.	1.1	10
709	Cell Surfaces and Fibre Relationships in Sympathetic Ganglion Cultures: A Scanning Electron-Microscopic Study. Journal of Cell Science, 1974, 14, 657-669.	2.0	10
710	Purinergic receptors in the heart. Circulation Research, 1980, 46, I175-82.	4.5	10
711	Morphological changes produced by drugs acting on the autonomic nervous system. , 1979, 5, 49-53.		9
712	Preâ€and postjunctional actions of purine and xanthine compounds in the guineaâ€pig caecum circular muscle. British Journal of Pharmacology, 1988, 95, 653-663.	5.4	9
713	Vasoconstrictor responsiveness of the rat mesenteric arterial bed in cirrhosis. British Journal of Pharmacology, 1996, 118, 435-441.	5.4	9
714	Electron-microscopic immunolabelling of vasoactive substances in human umbilical endothelial cells and their actions in early and late pregnancy. Cell and Tissue Research, 1996, 284, 167-175.	2.9	9
715	Neurogenic and non-neurogenic responses in the urinary bladder of hibernating hamster. British Journal of Pharmacology, 1998, 123, 1281-1287.	5.4	9
716	Northern ring conformation of methanocarba-adenosine 5?-triphosphate required for activation of P2X receptors. Drug Development Research, 2004, 61, 227-232.	2.9	9
717	Purinergic receptors are part of a signalling system for proliferation and differentiation in distinct cell lineages in human anagen hair follicles. Purinergic Signalling, 2008, 4, 331-338.	2.2	9
718	Purinergic Signalling: What is Missing and Needed Next? The Use of Transgenic Mice, Crystallographic Analysis and MicroRNA. CNS and Neurological Disorders - Drug Targets, 2012, 11, 751-767.	1.4	9
719	Evolution of P2X receptors. Environmental Sciences Europe, 2012, 1, 188-200.	5.5	9
720	P2X receptors in the gut. Environmental Sciences Europe, 2012, 1, 269-279.	5.5	9

#	Article	IF	Citations
721	Pharmacological and molecular characterization of functional P2 receptors in rat embryonic cardiomyocytes. Purinergic Signalling, 2015, 11, 127-138.	2.2	9
722	Dual Control by Nerves and Endothelial Cells of Arterial Blood Flow in Atherosclerosis. , 1991, , 285-292.		9
723	Mechanisms of interaction of peptide and nonpeptide vascular neurotransmitter systems. Journal of Cardiovascular Pharmacology, 1987, 10 Suppl 12, S74-81.	1.9	9
724	Effects of vitamin E deficiency on vasomotor activity and ultrastructural organisation of rat thoracic aorta. British Journal of Pharmacology, 1995, 115, 415-420.	5.4	8
725	Characterization and expression of ATP P2X4 receptor from embryonic chick skeletal muscle. Drug Development Research, 2001, 53, 22-28.	2.9	8
726	Identification of P2X receptors in cultured mouse and rat parasympathetic otic ganglion neurones including P2X knockout studies. Neuropharmacology, 2004, 46, 1039-1048.	4.1	8
727	Early Expression of Adenosine 5â€²-Triphosphate-Gated P2X7 Receptors in the Developing Rat Pancreas. Pancreas, 2007, 35, 164-168.	1.1	8
728	Progesterone Rapidly Attenuates ATP-Evoked Transient Currents in Cultured Rat Dorsal Root Ganglion Neurons. Pharmacology, 2011, 87, 36-44.	2.2	8
729	Evidence against VIP or substance P being the transmitter in non-cholinergic excitatory nerves supplying the guinea-pig bladder. Journal of Pharmacy and Pharmacology, 2011, 37, 432-434.	2.4	8
730	Co-localization of Pirt protein and P2X2 receptors in the mouse enteric nervous system. Purinergic Signalling, 2016, 12, 489-496.	2.2	8
731	Editorial: Neuronal Co-transmission. Frontiers in Neural Circuits, 2019, 13, 19.	2.8	8
732	Effect of age on NADPH-diaphorase-containing myenteric neurones of rat ileum and proximal colon. Cell and Tissue Research, 1995, 279, 379-383.	2.9	8
733	A dividing granule-containing cell in the pelvic ganglion of the guinea-pig. Cell and Tissue Research, 1978, 192, 187-92.	2.9	7
734	Do we need Î³-receptors?. Trends in Pharmacological Sciences, 1984, 5, 264-265.	8.7	7
735	Augmented Flow-Induced Endothelin Release from the Rat Mesenteric Arterial Bed after Long-Term Sympathectomy. Endothelium: Journal of Endothelial Cell Research, 1995, 3, 67-73.	1.7	7
736	Chronic ethanol consumption affects cholinoceptor- and purinoceptor-mediated contractions of the isolated rat bladder. Alcohol, 1995, 12, 183-188.	1.7	7
737	Neurite outgrowth of striatal neurons in vitro: involvement of purines in the growth-promoting effect of myenteric plexus explants. International Journal of Developmental Neuroscience, 1996, 14, 439-451.	1.6	7
738	Purinergic signalling: Therapeutic potential. Drug Development Research, 1998, 45, 86-92.	2.9	7

#	Article	IF	Citations
739	Varicose disease affects the P2 receptor-mediated responses of human greater saphenous vein. Vascular Pharmacology, 2004, 42, 17-21.	2.1	7
740	P2X2 and P2X3 receptor expression in the gallbladder of the guinea pig. Autonomic Neuroscience: Basic and Clinical, 2004, 111, 89-96.	2.8	7
741	P2X5 and P2X7 receptors in human warts and CIN-612 organotypic raft cultures of human papillomavirus infected keratinocytes. Purinergic Signalling, 2006, 2, 509-515.	2.2	7
742	Changes in expression of P2X1 receptors and connexin 43 in the rat myometrium during pregnancy. Fertility and Sterility, 2007, 88, 1174-1179.	1.0	7
743	Expression of P2Y6receptors in the developing mouse skeletal muscle and after injury and repair. Journal of Anatomy, 2011, 218, 643-651.	1.5	7
744	Expression of P2X5 receptors in the rat, cat, mouse and guinea pig dorsal root ganglion. Histochemistry and Cell Biology, 2013, 139, 549-557.	1.7	7
745	P2X3 receptor: a novel â€˜CASKadeâ€™ of signaling?. Journal of Neurochemistry, 2013, 126, 1-3.	3.9	7
746	Purines in neurodegeneration and neuroregeneration. Neuropharmacology, 2016, 104, 1-3.	4.1	7
747	History of Extracellular Nucleotides and Their Receptors. , 1998, , 3-40.		7
748	Structural and Chemical Organization of the Autonomic Neuroeffector System. , 2002, , 1-53.		7
749	Neurite outgrowth of striatal neurons in vitro: involvement of purines in the growth-promoting effect of myenteric plexus explants. International Journal of Developmental Neuroscience, 1996, 14, 439-51.	1.6	7
750	Perinatal development of adrenergic, cholinergic and non-adrenergic, non-cholinergic nerves and sif cells in the rabbit urinary bladder. International Journal of Developmental Neuroscience, 1985, 3, 89-101.	1.6	6
751	Non-adrenergic neurotransmitters in relation to sympathetic nervous control of the lower urinary tract. Clinical Science, 1986, 70, 15s-20s.	0.0	6
752	Determinants of Signal Transmission in Healthy and Diseased Autonomic Neuromuscular Junctions. Diabetic Medicine, 1993, 10, 64S-69S.	2.3	6
753	Effects of vitamin E deficiency on autonomic neuroeffector mechanisms in the rat caecum, vas deferens and urinary bladder.. Journal of Physiology, 1995, 487, 773-786.	2.9	6
754	Effects of Î±,Î²-unsaturated sulphones and phosphonium salts on ecto-ATPase activity and contractile responses mediated via P2x-purinoceptors. General Pharmacology, 1995, 26, 527-532.	0.7	6
755	Effects of shortâ€•and longâ€‘term sympathectomy on vasoconstrictor responses of the rat mesenteric arterial bed. British Journal of Pharmacology, 1996, 119, 1347-1354.	5.4	6
756	NADPH-diaphorase-containing enteric neurones survive for a year in the adult rat striatum. NeuroReport, 1996, 7, 958-960.	1.2	6

#	Article	IF	Citations
757	Neonatal Sensory Denenration Affects the Expression of Endothelial Peptides in the Adult Rat Pulmonary Artery: More Cells Contain Substance P and Less Contain Endothelin. Endothelium: Journal of Endothelial Cell Research, 1996, 4, 71-76.	1.7	6
758	Reduced sympathetic noradrenergic neurotransmission in the tail artery of Donryu rats fed with high cholesterol-supplemented diet. British Journal of Pharmacology, 1998, 123, 1016-1021.	5.4	6
759	Intrastriatal grafts of rat colonic smooth muscle lacking myenteric ganglia stimulate axonal sprouting and regeneration. Journal of Anatomy, 1998, 192, 25-35.	1.5	6
760	Expression ofÎ²â€ADRENERGIC receptors inthe rat uterus : effects of puberty and oestrogen treatmentduring prepubertal development. International Journal of Developmental Neuroscience, 1998, 16, 29-39.	1.6	6
761	Ultrastructural Identification of P2Y₂ Receptor mRNA in the Rat Thymus. Cells Tissues Organs, 2002, 172, 255-264.	2.3	6
762	Increased 5-HT3-mediated signalling in pelvic afferent neurons from mice deficient in P2X2 and/or P2X3 receptor subunits. Purinergic Signalling, 2006, 2, 481-489.	2.2	6
763	UCB Pharma research dayâ€”25 October 2007 â€˜Glia-neuron interactions and purinergic receptors in neurological disordersâ€™. Purinergic Signalling, 2008, 4, 79-84.	2.2	6
764	Sodium Nitroprusside Enhances Contractions of the Guinea-pig Isolated Vas Deferens. Journal of Pharmacy and Pharmacology, 2011, 50, 205-209.	2.4	6
765	Purinergic signalling and the autonomic nervous system in health and disease. Autonomic Neuroscience: Basic and Clinical, 2015, 191, 1.	2.8	6
766	The Autonomic Neuroeffector Junction. , 2004, , 29-33.		6
767	P2Y receptors (version 2019.4) in the IUPHAR/BPS Guide to Pharmacology Database. IUPHAR/BPS Guide To Pharmacology CITE, 2019, 2019, .	0.2	6
768	P2 receptors: theoretical background for the use in clinical practice. Bulletin of Experimental Biology and Medicine, 2002, 134, 313-317.	0.8	5
769	Pharmacological properties of P2 receptors on rat otic parasympathetic ganglion neurons. Life Sciences, 2008, 83, 185-191.	4.3	5
770	Introductory overview of purinergic signalling. Frontiers in Bioscience - Elite, 2009, E3, 896.	1.8	5
771	Editorial [Pharmacology and Therapeutic Activity of Purinergic Drugs for Disorders of the Nervous System]. CNS and Neurological Disorders - Drug Targets, 2012, 11, 649-651.	1.4	5
772	P2X receptorâ€mediated synaptic transmission. Environmental Sciences Europe, 2012, 1, 297-309.	5.5	5
773	Expression of P2X receptors in the rat anterior pituitary. Purinergic Signalling, 2020, 16, 17-28.	2.2	5
774	Trophic Factors and the Control of Smooth Muscle Development and Innervation. , 1994, , 1-39.		5

#	Article	IF	Citations
775	Purinergic contraction of the rat vas deferens in L-NAME-induced hypertension: effect of sildenafil. Asian Journal of Andrology, 2010, 12, 415-421.	1.6	5
776	Evidence that adenosine triphosphate or a related nucleotide is the transmitter substance released by nonâ€adrenergic inhibitory nerves in the gut. British Journal of Pharmacology, 1997, 120, 334-336.	5.4	4
777	Gene delivery to rat enteric neurons using herpes simplex virus-based vectors. Journal of Molecular Neuroscience, 1997, 9, 65-74.	2.3	4
778	Two distinct P2Y receptors are involved in purine- and pyrimidine-evoked Ca2+ elevation in mammalian brain astrocytic cultures. Drug Development Research, 2001, 52, 122-132.	2.9	4
779	Purinergic Signalling in the Central Nervous System. , 2012, , 433-581.		4
780	Purinergic Neurotransmission and Nucleotide Receptors. , 2012, , 87-93.		4
781	Cotransmission. , 2012, , 27-33.		4
782	Special issue on cell and molecular biology of purinergic signalling: an introduction. Purinergic Signalling, 2012, 8, 341-341.	2.2	4
783	Subunit specificity of polyclonal antisera to the carboxy terminal regions of P2X receptors, P2X1 through P2X7. Drug Development Research, 1999, 47, 189-195.	2.9	4
784	Novel ATP Agonists Reveal Receptor Heterogeneity Within P2X and P2Y Subtypes. , 1995, , 149-156.		4
785	Release of vasoactive substances from endothelial cells by shear stress and purinergic mechanosensory transduction. , 0, .		4
786	P2X RECEPTORS AND THEIR ROLE IN FEMALE IDIOPATHIC DETRUSOR INSTABILITY. Journal of Urology, 2002, , 157-164.	0.4	4
787	Regulation of local blood flow by neurohumoral substances released from perivascular nerves and endothelial cells. Acta Physiologica Scandinavica Supplementum, 1988, 571, 53-9.	1.0	4
788	Cotransmitters of catecholamines. Autonomic and Autacoid Pharmacology, 1994, 14, 5-6.	0.6	3
789	Extracellular ATP signaling in equine digital blood vessels. European Journal of Pharmacology, 2013, 702, 242-249.	3.5	3
790	Purinergic signalling in visceral organs in health and disease: Preface. Purinergic Signalling, 2014, 10, 1-1.	2.2	3
791	Expression of P2X1 receptors in somatostatin-containing cells in mouse gastrointestinal tract and pancreatic islets of both mouse and human. Purinergic Signalling, 2018, 14, 285-298.	2.2	3
792	P2Y receptors in GtoPdb v.2021.3. IUPHAR/BPS Guide To Pharmacology CITE, 2021, 2021, .	0.2	3

#	Article	IF	Citations
793	ALTERATIONS IN CHOLINERGIC AND PURINERGIC SIGNALING IN A MODEL OF THE OBSTRUCTED BLADDER. Journal of Urology, 2001, , 1530-1533.	0.4	3
794	Effects of chronic vitamin E deficiency and a high polyunsaturated fatty acid diet on rat mesenteric arterial function. British Journal of Pharmacology, 1995, 116, 3075-3081.	5.4	2
795	Modulation of Endothelin Release by Vasoactive Peptides Localised in Human Umbilical Vein Endothelial Cells. Endothelium: Journal of Endothelial Cell Research, 1996, 4, 309-317.	1.7	2
796	Identification of a novel P2 receptor associated with cyclooxygenase-2 upregulation and reactive astrogliosis. Drug Development Research, 2001, 53, 148-157.	2.9	2
797	50 years of passionate commitment. Cellular and Molecular Life Sciences, 2004, 61, 1693-6.	5.4	2
798	Cotransmission. , 2009, , 247-254.		2
799	Adenosine Triphosphate (ATP). , 2009, , 105-113.		2
800	The German Research Unit â€œNeuronal and glial P2 receptors; molecular basis and functional significanceâ€• Purinergic Signalling, 2010, 6, 285-287.	2.2	2
801	The history of National Purine Clubs and the International Purine Club. Purinergic Signalling, 2010, 6, 283-284.	2.2	2
802	Purinergic Signalling special issue on â€œPurinergic Signalling in the Inner Earâ€• a commentary by Professor Geoffrey Burnstock, Editor-in-Chief. Purinergic Signalling, 2010, 6, 149-149.	2.2	2
803	Early History of Purinergic Signalling. , 2012, , 7-66.		2
804	Letter to the Editor. Acta Physiologica, 2013, 208, 138-138.	3.8	2
805	Editorial - Purinergic Signalling in Epilepsy. The Open Neuroscience Journal, 2010, 4, 23-23.	0.8	2
806	Autonomic neuroeffector mechanisms: recent developments. Functional Neurology, 1987, 2, 427-36.	1.3	2
807	Purinergic Neurotransmission. , 2004, , 60-65.		1
808	Cotransmissionâ˜†. , 2014, , .		1
809	Evolution of Purinergic Signalling. , 2012, , 245-305.		1
810	Current status of P2X receptors: distribution and pathophysiological roles. Proceedings of the Western Pharmacology Society, 1999, 42, 119-21.	0.1	1

#	Article	IF	Citations
811	Cell Recognition between Mast Cells and Fibroblasts, and between Nerve and Muscle. Biochemical Society Transactions, 1978, 6, 486-486.	3.4	0
812	Solubilisation and Molecular Characterisation of the P2X Purinoceptor. Biochemical Society Transactions, 1993, 21, 200S-200S.	3.4	0
813	Effect of reserpine treatment and hypophysectomy on the nitric oxide synthase immunoreactivity and NADPH-diaphorase staining in the rat adrenal gland. The Anatomical Record, 1996, 246, 545-548.	1.8	0
814	Ludwig Robert MÃ¼ller Memorial Lecture. Clinical Autonomic Research, 2000, 10, 355-355.	2.5	0
815	Localization of ATP P2X Receptors. , 2001, , 57-74.		0
816	Editorial. Purinergic Signalling, 2009, 5, 263-263.	2.2	0
817	Reinnervation of transplanted vas deferens by cholinergic nerves normally supplying skeletal muscle. Experimental Neurology, 2009, 215, 264-270.	4.1	0
818	Editorial. Purinergic Signalling, 2011, 7, 167-168.	2.2	0
819	Peripheral Nervous System. , 2012, , 307-432.		0
820	Ontogeny of Purinergic Neurotransmission. , 2012, , 681-707.		0
821	Purinergic Cotransmission. , 2012, , 67-77.		0
822	Sensory Nerves. , 2012, , 583-625.		0
823	Omnipresent purinergic signaling: an editorial essay. Environmental Sciences Europe, 2012, 1, 113-115.	5.5	0
824	Purines and Purinoceptors: Molecular Biology Overviewâ˜†. , 2014, , .		0
825	Adenosine Triphosphate (ATP) â˜†. , 2017, , .		0
826	Announcement of the resignation of Herbert Zimmerman as an Associate Editor. Purinergic Signalling, 2019, 15, 211-211.	2.2	0
827	Announcement of the resignation of Holger Eltzschig as an Associate Editor. Purinergic Signalling, 2019, 15, 125-125.	2.2	0
828	Purinergic System. , 2021, , 1-7.		0

#	Article	IF	Citations
829	Summing-Up. Novartis Foundation Symposium, 0, , 322-323.	1.1	0
830	Chairman's Concluding Remarks. Novartis Foundation Symposium, 0, , 371-373.	1.1	0
831	Autonomic Neuroeffector Junction. , 2009, , 993-1001.		0
832	Special Senses. , 2012, , 627-679.		0
833	Autonomic Neuroeffector Junctionâ˜†. , 2017, , .		0
834	Purinergic System. , 2021, , 1336-1342.		0