Geoffrey Burnstock

List of Publications by Year
in descending order

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835 papers	78,774 citations	490 129 h-index	983 237 g-index
874 all docs	874 docs citations	874 times ranked	24278 citing authors

#	Article	IF	Citations
1	Receptors for purines and pyrimidines. Pharmacological Reviews, 1998, 50, 413-92.	7.1	3,194
2	Purinergic nerves. Pharmacological Reviews, 1972, 24, 509-81.	7.1	1,728
3	Physiology and Pathophysiology of Purinergic Neurotransmission. Physiological Reviews, 2007, 87, 659-797.	13.1	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.	7.1	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.	7.1	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.	13.7	985
10	Urinary bladder hyporeflexia and reduced pain-related behaviour in P2X3-deficient mice. Nature, 2000, 407, 1011-1015.	13.7	956
11	Purine and pyrimidine receptors. Cellular and Molecular Life Sciences, 2007, 64, 1471-1483.	2.4	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.	4.2	733
14	Purinergic signalling in neuronâ€“glia interactions. Nature Reviews Neuroscience, 2006, 7, 423-436.	4.9	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.	2.7	644
17	Do some nerve cells release more than one transmitter?. Neuroscience, 1976, 1, 239-248.	1.1	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.	7.1	557

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19	Pathophysiology and Therapeutic Potential of Purinergic Signaling. Pharmacological Reviews, 2006, 58, 58-86.	7.1	551
20	The past, present and future of purine nucleotides as signalling molecules. Neuropharmacology, 1997, 36, 1127-1139.	2.0	530
21	Purinergic signalling and disorders of the central nervous system. Nature Reviews Drug Discovery, 2008, 7, 575-590.	21.5	529
22	THE CONCISE GUIDE TO PHARMACOLOGY 2019/20: G proteinâ€coupled receptors. British Journal of Pharmacology, 2019, 176, S21-S141.	2.7	519
23	Cloning and functional expression of a brain G-protein-coupled ATP receptor. FEBS Letters, 1993, 324, 219-225.	1.3	496
24	Purinergic signalling: ATP release. Neurochemical Research, 2001, 26, 959-969.	1.6	456
25	Historical review: ATP as a neurotransmitter. Trends in Pharmacological Sciences, 2006, 27, 166-176.	4.0	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.	1.0	441
27	P2X₃Knock-Out Mice Reveal a Major Sensory Role for Urothelially Released ATP. Journal of Neuroscience, 2001, 21, 5670-5677.	1.7	439
28	Trophic actions of extracellular nucleotides and nucleosides on glial and neuronal cells. Trends in Neurosciences, 1996, 19, 13-18.	4.2	409
29	Purine-mediated signalling in pain and visceral perception. Trends in Pharmacological Sciences, 2001, 22, 182-188.	4.0	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.	1.8	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.	2.7	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.	4.0	382
34	Purinergic Signaling and Vascular Cell Proliferation and Death. Arteriosclerosis, Thrombosis, and Vascular Biology, 2002, 22, 364-373.	1.1	369
35	Review lecture. Neurotransmitters and trophic factors in the autonomic nervous system.. Journal of Physiology, 1981, 313, 1-35.	1.3	360
36	Apamin blocks certain neurotransmitter-induced increases in potassium permeability. Nature, 1979, 282, 415-417.	13.7	357

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37	Purinergic signalling: From normal behaviour to pathological brain function. Progress in Neurobiology, 2011, 95, 229-274.	2.8	357
38	P2X receptors in sensory neurones. British Journal of Anaesthesia, 2000, 84, 476-488.	1.5	350
39	P2X receptors in peripheral neurons. Progress in Neurobiology, 2001, 65, 107-134.	2.8	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.	2.0	338
41	Purinergic receptors: their role in nociception and primary afferent neurotransmission. Current Opinion in Neurobiology, 1996, 6, 526-532.	2.0	338
42	THE CONCISE GUIDE TO PHARMACOLOGY 2021/22: G proteinâ€coupled receptors. British Journal of Pharmacology, 2021, 178, S27-S156.	2.7	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.	1.3	334
44	Release of vasoactive substances from endothelial cells by shear stress and purinergic mechanosensory transduction. Journal of Anatomy, 1999, 194, 335-342.	0.9	328
45	Purinergic signalling. British Journal of Pharmacology, 2006, 147, S172-S181.	2.7	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.	1.7	321
47	Towards a revised nomenclature for P1 and P2 receptors. Trends in Pharmacological Sciences, 1997, 18, 79-82.	4.0	315
48	P2 receptors in cardiovascular regulation and disease. Purinergic Signalling, 2008, 4, 1-20.	1.1	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.	2.7	307
50	PURINERGIC INNERVATION OF THE GUINEAâ€PIG URINARY BLADDER. British Journal of Pharmacology, 1978, 63, 125-138.	2.7	305
51	Purinergic Signalling: Therapeutic Developments. Frontiers in Pharmacology, 2017, 8, 661.	1.6	302
52	Purinergic Signaling in the Cardiovascular System. Circulation Research, 2017, 120, 207-228.	2.0	300
53	ATP as a co-transmitter in rat tail artery. European Journal of Pharmacology, 1984, 106, 149-152.	1.7	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.	1.7	286

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55	The transmission of excitation from autonomic nerve to smooth muscle. Journal of Physiology, 1961, 155, 115-133.	1.3	284
56	The inhibitory innervation of the taenia of the guineaâ€pig caecum. Journal of Physiology, 1966, 182, 504-526.	1.3	283
57	The changing face of autonomic neurotransmission*. Acta Physiologica Scandinavica, 1986, 126, 67-91.	2.3	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.	1.7	271
59	Pharmacology of P2X channels. Pflugers Archiv European Journal of Physiology, 2006, 452, 513-537.	1.3	264
60	GABA may be a neurotransmitter in the vertebrate peripheral nervous system. Nature, 1979, 281, 71-74.	13.7	259
61	Purinergic signalling and cancer. Purinergic Signalling, 2013, 9, 491-540.	1.1	258
62	Purinergic signalling and immune cells. Purinergic Signalling, 2014, 10, 529-564.	1.1	254
63	Evolution of the autonomic innervation of visceral and cardiovascular systems in vertebrates. Pharmacological Reviews, 1969, 21, 247-324.	7.1	252
64	A P2X purinoceptor cDNA conferring a novel pharmacological profile. FEBS Letters, 1995, 375, 129-133.	1.3	251
65	Purinergic Signaling and Blood Vessels in Health and Disease. Pharmacological Reviews, 2014, 66, 102-192.	7.1	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.	0.8	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.	2.3	243
68	G protein-coupled receptors for ATP and other nucleotides: a new receptor family. Trends in Pharmacological Sciences, 1994, 15, 67-70.	4.0	241
69	Evolutionary origins of the purinergic signalling system. Acta Physiologica, 2009, 195, 415-447.	1.8	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.	2.7	233
71	A unifying purinergic hypothesis for the initiation of pain. Lancet, The, 1996, 347, 1604-1605.	6.3	231
72	Introduction: P2 Receptors. Current Topics in Medicinal Chemistry, 2004, 4, 793-803.	1.0	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.	2.7	228
74	P2 receptors and cancer. Trends in Pharmacological Sciences, 2006, 27, 211-217.	4.0	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.	1.1	218
76	Localization of ATP-gated P2X receptor immunoreactivity in rat sensory and sympathetic ganglia. Neuroscience Letters, 1998, 256, 105-108.	1.0	217
77	P2X7 Receptors: Channels, Pores and More. CNS and Neurological Disorders - Drug Targets, 2012, 11, 705-721.	0.8	216
78	Cotransmission. Current Opinion in Pharmacology, 2004, 4, 47-52.	1.7	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.	1.7	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.	1.8	207
82	The ultrastructure of Auerbach's plexus in the guinea-pig. I. Neuronal elements. Journal of Neurocytology, 1976, 5, 171-194.	1.6	205
83	Purinoceptors on Neuroglia. Molecular Neurobiology, 2009, 39, 190-208.	1.9	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.	1.0	204
85	P2 purinergic receptors: modulation of cell function and therapeutic potential. Journal of Pharmacology and Experimental Therapeutics, 2000, 295, 862-9.	1.3	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.	1.7	200
87	Ultrastructural localization of choline acetyltransferase in vascular endothelial cells in rat brain. Nature, 1985, 316, 724-725.	13.7	200
88	Purinergic signalling: from discovery to current developments. Experimental Physiology, 2014, 99, 16-34.	0.9	195
89	DISTRIBUTION OF P2X RECEPTORS IN THE URINARY BLADDER AND THE URETER OF THE RAT. Journal of Urology, 2000, 163, 2002-2007.	0.2	193
90	Purinergic receptors. Journal of Theoretical Biology, 1976, 62, 491-503.	0.8	191

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91	Noradrenaline and ATP as cotransmitters in sympathetic nerves. Neurochemistry International, 1990, 17, 357-368.	1.9	191
92	[3H]Adenosine Triphosphate: Release during Stimulation of Enteric Nerves. Science, 1971, 173, 336-338.	6.0	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.	1.3	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.	1.3	186
95	The potential of P2X7 receptors as a therapeutic target, including inflammation and tumour progression. Purinergic Signalling, 2018, 14, 1-18.	1.1	184
96	Long-term (trophic) purinergic signalling: purinoceptors control cell proliferation, differentiation and death. Cell Death and Disease, 2010, 1, e9-e9.	2.7	181
97	Purinergic signalling: Its unpopular beginning, its acceptance and its exciting future. BioEssays, 2012, 34, 218-225.	1.2	180
98	P2X RECEPTORS AND THEIR ROLE IN FEMALE IDIOPATHIC DETRUSOR INSTABILITY. Journal of Urology, 2002, 167, 157-164.	0.2	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.	1.7	177
100	Purinergic Receptors and Pain. Current Pharmaceutical Design, 2009, 15, 1717-1735.	0.9	176
101	Molecular cloning and characterization of rat P2Y4 nucleotide receptor. British Journal of Pharmacology, 1998, 124, 428-430.	2.7	173
102	P2X₇ Receptors in MÃ¼ller Glial Cells from the Human Retina. Journal of Neuroscience, 2000, 20, 5965-5972.	1.7	173
103	Microglia: Proliferation and activation driven by the P2X7 receptor. International Journal of Biochemistry and Cell Biology, 2010, 42, 1753-1756.	1.2	173
104	Pathophysiology of astroglial purinergic signalling. Purinergic Signalling, 2012, 8, 629-657.	1.1	171
105	P2X ion channel receptors and inflammation. Purinergic Signalling, 2016, 12, 59-67.	1.1	170
106	The journey to establish purinergic signalling in the gut. Neurogastroenterology and Motility, 2008, 20, 8-19.	1.6	169
107	Adenosine and ATP Receptors in the Brain. Current Topics in Medicinal Chemistry, 2011, 11, 973-1011.	1.0	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.	1.2	164

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109	Inhibition of the Smooth Muscle of the Taenia Coli. Nature, 1963, 200, 581-582.	13.7	161
110	P2X Receptors in Health and Disease. Advances in Pharmacology, 2011, 61, 333-372.	1.2	160
111	Increased release of ATP from endothelial cells during acute inflammation. Inflammation Research, 1998, 47, 351-354.	1.6	158
112	An introduction to the roles of purinergic signalling in neurodegeneration, neuroprotection and neuroregeneration. Neuropharmacology, 2016, 104, 4-17.	2.0	157
113	Localization of ATP-gated P2X2 and P2X3 receptor immunoreactive nerves in rat taste buds. NeuroReport, 1999, 10, 1107-1111.	0.6	156
114	ATP is released from guinea pig ureter epithelium on distension. American Journal of Physiology - Renal Physiology, 2002, 282, F281-F288.	1.3	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.	2.7	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.	1.3	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.	1.4	146
119	Coexpression of Rat P2X₂and P2X₆Subunits inXenopusOocytes. Journal of Neuroscience, 2000, 20, 4871-4877.	1.7	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.	4.0	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.	0.8	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.	1.7	138
123	Purinergic Signaling in the Airways. Pharmacological Reviews, 2012, 64, 834-868.	7.1	138
124	Purinergic Mechanisms and Pain. Advances in Pharmacology, 2016, 75, 91-137.	1.2	138
125	Modulation of astroglial cell proliferation by analogues of adenosine and ATP in primary cultures of rat striatum. Neuroscience, 1994, 59, 67-76.	1.1	137
126	Purinergic signalling in the urinary tract in health and disease. Purinergic Signalling, 2014, 10, 103-155.	1.1	137

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127	Spontaneous potentials at sympathetic nerve endings in smooth muscle. Journal of Physiology, 1962, 160, 446-460.	1.3	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.	1.4	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.	1.2	135
132	Physiological and pathological roles of purines: An update. Drug Development Research, 1993, 28, 195-206.	1.4	134
133	Effects of extracellular pH on agonism and antagonism at a recombinant P2X2 receptor. British Journal of Pharmacology, 1997, 121, 1445-1453.	2.7	131
134	P2 receptor modulation and cytotoxic function in cultured CNS neurons. Neuropharmacology, 2002, 42, 489-501.	2.0	131
135	Purinergic Signalling-An Overview. Novartis Foundation Symposium, 0, , 26-53.	1.2	131
136	8-Phenyltheophylline: A potent P1-purinoceptor antagonist. European Journal of Pharmacology, 1981, 75, 61-64.	1.7	129
137	Ultrastructural localization of P2X3receptors in rat sensory neurons. NeuroReport, 1998, 9, 2545-2550.	0.6	129
138	Induction of proliferation and apoptotic cell death via P2Y and P2X receptors, respectively, in rat glomerular mesangial cells. Kidney International, 2000, 57, 949-958.	2.6	129
139	Comparative studies of purinergic nerves. The Journal of Experimental Zoology, 1975, 194, 103-133.	1.4	127
140	A₂â€purinoceptorâ€mediated relaxation in the guineaâ€pig coronary vasculature: a role for nitric oxide. British Journal of Pharmacology, 1993, 109, 424-429.	2.7	127
141	PPADS selectively antagonizes P_{2X}â€purinoceptorâ€mediated responses in the rabbit urinary bladder. British Journal of Pharmacology, 1993, 110, 1491-1495.	2.7	127
142	Full sensitivity of P_{2times2} purinoceptor to ATP revealed by changing extracellular pH. British Journal of Pharmacology, 1996, 117, 1371-1373.	2.7	127
143	Purinergic signalling: past, present and future. Brazilian Journal of Medical and Biological Research, 2009, 42, 3-8.	0.7	127
144	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.	1.3	126

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145	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.	2.7	125
146	ATP is a potent stimulator of the activation and formation of rodent osteoclasts. Journal of Physiology, 1998, 511, 495-500.	1.3	125
147	Hypoxia stimulates vesicular ATP release from rat osteoblasts. Journal of Cellular Physiology, 2009, 220, 155-162.	2.0	125
148	Potential therapeutic targets in the rapidly expanding field of purinergic signalling. Clinical Medicine, 2002, 2, 45-53.	0.8	123
149	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.	2.7	122
150	Regulation of bone resorption and formation by purines and pyrimidines. Trends in Pharmacological Sciences, 2003, 24, 290-297.	4.0	122
151	ATP-Stimulated Release of ATP by Human Endothelial Cells. Journal of Cardiovascular Pharmacology, 1996, 27, 872-875.	0.8	122
152	Purinergic signalling and bone remodellingâ˜†. Current Opinion in Pharmacology, 2010, 10, 322-330.	1.7	121
153	Neural Nomenclature. Nature, 1971, 229, 282-283.	13.7	120
154	Purinergic cotransmission. Experimental Physiology, 2009, 94, 20-24.	0.9	120
155	Sympathetic nerve-mediated release of ATP from the guinea-pig vas deferens is unaffected by reserpine. European Journal of Pharmacology, 1987, 138, 207-214.	1.7	119
156	Extracellular Nucleotides Block Bone Mineralization in Vitro: Evidence for Dual Inhibitory Mechanisms Involving Both P2Y2 Receptors and Pyrophosphate. Endocrinology, 2007, 148, 4208-4216.	1.4	119
157	Expression of Purinergic Receptors in Non-melanoma Skin Cancers and Their Functional Roles in A431 Cells. Journal of Investigative Dermatology, 2003, 121, 315-327.	0.3	118
158	Pharmacological and Biophysical Properties of the Human P2X5 Receptor. Molecular Pharmacology, 2003, 63, 1407-1416.	1.0	118
159	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.	2.3	117
160	Glomerular expression of the ATP-sensitive P2X7 receptor in diabetic and hypertensive rat models. Kidney International, 2004, 66, 157-166.	2.6	116
161	Osteoblast responses to nucleotides increase during differentiation. Bone, 2006, 39, 300-309.	1.4	116
162	Cardiac purinergic signalling in health and disease. Purinergic Signalling, 2015, 11, 1-46.	1.1	115

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163	Evidence for the presence of P1-purinoceptors on cholinergic nerve terminals in the guinea-pig ileum. European Journal of Pharmacology, 1982, 77, 1-9.	1.7	114
164	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
165	The birth and postnatal development of purinergic signalling. Acta Physiologica, 2010, 199, 93-147.	1.8	114
166	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.	1.7	113
167	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.	0.3	113
168	Purinergic Signaling in Healthy and Diseased Skin. Journal of Investigative Dermatology, 2012, 132, 526-546.	0.3	113
169	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.	1.0	112
170	The ultrastructure of Auerbach's plexus in the guinea-pig. II. Non-neuronal elements. Journal of Neurocytology, 1976, 5, 195-206.	1.6	111
171	Purinoceptors: Ontogeny and phylogeny. Drug Development Research, 1996, 39, 204-242.	1.4	111
172	Noradrenaline and ATP: cotransmitters and neuromodulators. Journal of Physiology and Pharmacology, 1995, 46, 365-84.	1.1	111
173	Sympathetic purinergic transmission in small blood vessels. Trends in Pharmacological Sciences, 1988, 9, 116-117.	4.0	109
174	Early Expression of a Novel Nucleotide Receptor in the Neural Plate of Xenopus Embryos. Journal of Biological Chemistry, 1997, 272, 12583-12590.	1.6	109
175	Purinergic Mechanosensory Transduction and Visceral Pain. Molecular Pain, 2009, 5, 1744-8069-5-69.	1.0	109
176	AFâ€353, a novel, potent and orally bioavailable P2X3/P2X2/3 receptor antagonist. British Journal of Pharmacology, 2010, 160, 1387-1398.	2.7	109
177	Involvement of purinergic signaling in cardiovascular diseases. Drug News and Perspectives, 2003, 16, 133.	1.9	109
178	Evidence for two types of P2-purinoceptor in longitudinal muscle of the rabbit portal vein. European Journal of Pharmacology, 1985, 111, 49-56.	1.7	108
179	Purinergic signaling in embryonic and stem cell development. Cellular and Molecular Life Sciences, 2011, 68, 1369-1394.	2.4	108
180	Introduction to Purinergic Signalling in the Brain. Advances in Experimental Medicine and Biology, 2013, 986, 1-12.	0.8	108

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181	FINE STRUCTURE OF SMOOTH MUSCLE CELLS GROWN IN TISSUE CULTURE. Journal of Cell Biology, 1971, 49, 21-34.	2.3	107
182	Selective antagonism by PPADS at P_{2X}â€purinoceptors in rabbit isolated blood vessels. British Journal of Pharmacology, 1994, 111, 923-929.	2.7	107
183	P2X Receptors and Their Roles in Astroglia in the Central and Peripheral Nervous System. Neuroscientist, 2012, 18, 422-438.	2.6	107
184	Noradrenaline uptake by nonâ€innervated smooth muscle. British Journal of Pharmacology, 1971, 43, 180-189.	2.7	106
185	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.	1.6	105
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