Francesco Di Virgilio

List of Publications by Year
in descending order

321 papers	35,705 citations	2427 97 h-index	4117 175 g-index
358 all docs	358 docs citations	358 times ranked	31066 citing authors

#	Article	IF	Citations
1	Molecular mechanisms of cell death: recommendations of the Nomenclature Committee on Cell Death 2018. Cell Death and Differentiation, 2018, 25, 486-541.	11.2	4,036
2	Autophagy-Dependent Anticancer Immune Responses Induced by Chemotherapeutic Agents in Mice. Science, 2011, 334, 1573-1577.	12.6	1,159
3	The P2X7 Receptor: A Key Player in IL-1 Processing and Release. Journal of Immunology, 2006, 176, 3877-3883.	0.8	949
4	Adenosine 5â€²-triphosphate and adenosine as endogenous signaling molecules in immunity and inflammation. , 2006, 112, 358-404.		870
5	The P2X7 Receptor in Infection and Inflammation. Immunity, 2017, 47, 15-31.	14.3	853
6	Nucleotide receptors: an emerging family of regulatory molecules in blood cells. Blood, 2001, 97, 587-600.	1.4	645
7	Extracellular ATP triggers and maintains asthmatic airway inflammation by activating dendritic cells. Nature Medicine, 2007, 13, 913-919.	30.7	559
8	Increased Level of Extracellular ATP at Tumor Sites: In Vivo Imaging with Plasma Membrane Luciferase. PLoS ONE, 2008, 3, e2599.	2.5	546
9	The Ca2+ concentration of the endoplasmic reticulum is a key determinant of ceramide-induced apoptosis: significance for the molecular mechanism of Bcl-2 action. EMBO Journal, 2001, 20, 2690-2701.	7.8	533
10	Extracellular ATP and P2 purinergic signalling in the tumour microenvironment. Nature Reviews Cancer, 2018, 18, 601-618.	28.4	491
11	Purinergic Modulation of Interleukin-1Î² Release from Microglial Cells Stimulated with Bacterial Endotoxin. Journal of Experimental Medicine, 1997, 185, 579-582.	8.5	457
12	Liaisons dangereuses: P2X7 and the inflammasome. Trends in Pharmacological Sciences, 2007, 28, 465-472.	8.7	446
13	Calcium and apoptosis: facts and hypotheses. Oncogene, 2003, 22, 8619-8627.	5.9	439
14	Reduced Loading of Intracellular Ca2+ Stores and Downregulation of Capacitative Ca2+Influx in Bcl-2â€“Overexpressing Cells. Journal of Cell Biology, 2000, 148, 857-862.	5.2	435
15	Extracellular purines, purinergic receptors and tumor growth. Oncogene, 2017, 36, 293-303.	5.9	428
16	Caloric Restriction Mimetics Enhance Anticancer Immunosurveillance. Cancer Cell, 2016, 30, 147-160.	16.8	410
17	Graft-versus-host disease is enhanced by extracellular ATP activating P2X7R. Nature Medicine, 2010, 16, 1434-1438.	30.7	376
18	The P2Z purinoceptor: an intriguing role in immunity, inflammation and cell death. Trends in Immunology, 1995, 16, 524-528.	7.5	355

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19	Protein kinase C activation of physiological processes in human neutrophils at vanishingly small cytosolic Ca2+ levels. Nature, 1984, 310, 691-693.	27.8	348
20	Expression of P2X7 Receptor IncreasesIn VivoTumor Growth. Cancer Research, 2012, 72, 2957-2969.	0.9	324
21	Inhibition of Fura-2 sequestration and secretion with organic anion transport blockers. Cell Calcium, 1990, 11, 57-62.	2.4	299
22	A Novel Recombinant Plasma Membrane-targeted Luciferase Reveals a New Pathway for ATP Secretion. Molecular Biology of the Cell, 2005, 16, 3659-3665.	2.1	283
23	The P2X7 receptor: A main player in inflammation. Biochemical Pharmacology, 2018, 151, 234-244.	4.4	282
24	Inositol 1,4,5-trisphosphate induces calcium release from sarcoplasmic reticulum of skeletal muscle. Nature, 1985, 316, 347-349.	27.8	273
25	ATP-mediated cytotoxicity in microglial cells. Neuropharmacology, 1997, 36, 1295-1301.	4.1	269
26	Kinetics and Mechanism of ATP-Dependent IL-1Î² Release from Microglial Cells. Journal of Immunology, 2000, 164, 4893-4898.	0.8	258
27	Purines, Purinergic Receptors, and Cancer. Cancer Research, 2012, 72, 5441-5447.	0.9	258
28	Purinergic signalling and cancer. Purinergic Signalling, 2013, 9, 491-540.	2.2	258
29	Activation of Microglia by Amyloid Î² Requires P2X7 Receptor Expression. Journal of Immunology, 2009, 182, 4378-4385.	0.8	256
30	p53 at the endoplasmic reticulum regulates apoptosis in a Ca ²⁺ -dependent manner. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 1779-1784.	7.1	247
31	Cytolytic P2X purinoceptors. Cell Death and Differentiation, 1998, 5, 191-199.	11.2	243
32	Basal Activation of the P2X7 ATP Receptor Elevates Mitochondrial Calcium and Potential, Increases Cellular ATP Levels, and Promotes Serum-independent Growth. Molecular Biology of the Cell, 2005, 16, 3260-3272.	2.1	242
33	THE CONCISE GUIDE TO PHARMACOLOGY 2019/20: Ion channels. British Journal of Pharmacology, 2019, 176, S142-S228.	5.4	242
34	Stimulation of P2 receptors causes release of IL-1Î²â€"loaded microvesicles from human dendritic cells. Blood, 2007, 109, 3856-3864.	1.4	229
35	The purinergic P2Z receptor of human macrophage cells. Characterization and possible physiological role.. Journal of Clinical Investigation, 1995, 95, 1207-1216.	8.2	219
36	Trophic activity of a naturally occurring truncated isoform of the P2X7 receptor. FASEB Journal, 2010, 24, 3393-3404.	0.5	218

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37	Ca2+-dependent and Ca2+-independent phagocytosis in human neutrophils. Nature, 1985, 315, 509-511.	27.8	213
38	Purinergic signalling in inflammation of the central nervous system. Trends in Neurosciences, 2009, 32, 79-87.	8.6	212
39	The Elusive P2X7 Macropore. Trends in Cell Biology, 2018, 28, 392-404.	7.9	205
40	Extracellular ATP Induces a Distorted Maturation of Dendritic Cells and Inhibits Their Capacity to Initiate Th1 Responses. Journal of Immunology, 2001, 166, 1611-1617.	0.8	199
41	Structural and functional aspects of calcium homeostasis in eukaryotic cells. FEBS Journal, 1990, 193, 599-622.	0.2	196
42	The Serotoninergic Receptors of Human Dendritic Cells: Identification and Coupling to Cytokine Release. Journal of Immunology, 2004, 172, 6011-6019.	0.8	190
43	Fc receptor-mediated phagocytosis occurs in macrophages at exceedingly low cytosolic Ca2+ levels.. Journal of Cell Biology, 1988, 106, 657-666.	5.2	189
44	Purinergic signaling in the immune system. Autonomic Neuroscience: Basic and Clinical, 2015, 191, 117-123.	2.8	189
45	Increased Proliferation Rate of Lymphoid Cells Transfected with the P2X7 ATP Receptor. Journal of Biological Chemistry, 1999, 274, 33206-33208.	3.4	187
46	THE CONCISE GUIDE TO PHARMACOLOGY 2021/22: Ion channels. British Journal of Pharmacology, 2021, 178, S157-S245.	5.4	187
47	Alerting and tuning the immune response by extracellular nucleotides. Journal of Leukocyte Biology, 2003, 73, 339-343.	3.3	184
48	P2X7 receptor expression in evolutive and indolent forms of chronic B lymphocytic leukemia. Blood, 2002, 99, 706-708.	1.4	179
49	Sphingosine 1â€phosphate induces Chemotaxis of immature dendritic cells and modulates cytokineâ€release in mature human dendritic cells for emergence of Th2 immune responses. FASEB Journal, 2002, 16, 625-627.	0.5	177
50	Tumor promoter phorbol 12-myristate, 13-acetate inhibits phosphoinositide hydrolysis and cytosolic Ca2+ rise induced by the activation of muscarinic receptors in PC12 cells. Biochemical and Biophysical Research Communications, 1985, 127, 310-317.	2.1	176
51	An ATP-activated channel is involved in mitogenic stimulation of human T lymphocytes. Blood, 1996, 87, 682-690.	1.4	174
52	Extracellular Adenosine Triphosphate and Chronic Obstructive Pulmonary Disease. American Journal of Respiratory and Critical Care Medicine, 2010, 181, 928-934.	5.6	174
53	Ca(2+)-independent F-actin assembly and disassembly during Fc receptor-mediated phagocytosis in mouse macrophages.. Journal of Cell Biology, 1991, 113, 757-767.	5.2	173
54	5-Hydroxytryptamine modulates cytokine and chemokine production in LPS-primed human monocytes via stimulation of different 5-HTR subtypes. International Immunology, 2005, 17, 599-606.	4.0	171

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55	From purines to purinergic signalling: molecular functions and human diseases. Signal Transduction and Targeted Therapy, 2021, 6, 162.	17.1	171
56	The P2X7 receptor directly interacts with the NLRP3 inflammasome scaffold protein. FASEB Journal, 2015, 29, 2450-2461.	0.5	169
57	Update of P2X receptor properties and their pharmacology: IUPHAR Review 30. British Journal of Pharmacology, 2021, 178, 489-514.	5.4	165
58	Inhibitors of membrane transport system for organic anions block fura-2 excretion from PC12 and N2A cells. Biochemical Journal, 1988, 256, 959-963.	3.7	161
59	Spontaneous Cell Fusion in Macrophage Cultures Expressing High Levels of the P2Z/P2X7 Receptor. Journal of Cell Biology, 1997, 138, 697-706.	5.2	160
60	Accelerated Tumor Progression in Mice Lacking the ATP Receptor P2X7. Cancer Research, 2015, 75, 635-644.	0.9	157
61	Extracellular nucleotides and nucleosides as signalling molecules. Immunology Letters, 2019, 205, 16-24.	2.5	154
62	The P2 purinergic receptors of human dendritic cells: identification and coupling to cytokine release. FASEB Journal, 2000, 14, 2466-2476.	0.5	149
63	Use of luciferase probes to measure ATP in living cells and animals. Nature Protocols, 2017, 12, 1542-1562.	12.0	149
64	Nucleotides induce chemotaxis and actin polymerization in immature but not mature human dendritic cells via activation of pertussis toxinâ€“sensitive P2y receptors. Blood, 2002, 100, 925-932.	1.4	144
65	A His-155 to Tyr Polymorphism Confers Gain-of-Function to the Human P2X7 Receptor of Human Leukemic Lymphocytes. Journal of Immunology, 2005, 175, 82-89.	0.8	144
66	The P2X7 receptor modulates immune cells infiltration, ectonucleotidases expression and extracellular ATP levels in the tumor microenvironment. Oncogene, 2019, 38, 3636-3650.	5.9	144
67	The Therapeutic Potential of Modifying Inflammasomes and NOD-Like Receptors. Pharmacological Reviews, 2013, 65, 872-905.	16.0	143
68	The P2X7 Receptor-Interleukin-1 Liaison. Frontiers in Pharmacology, 2017, 8, 123.	3.5	142
69	The purinergic receptor P2Y₂ receptor mediates chemotaxis of dendritic cells and eosinophils in allergic lung inflammation. Allergy: European Journal of Allergy and Clinical Immunology, 2010, 65, 1545-1553.	5.7	141
70	The P2X7 Receptor Sustains the Growth of Human Neuroblastoma Cells through a Substance Pâ€“Dependent Mechanism. Cancer Research, 2006, 66, 907-914.	0.9	137
71	5-Hydroxytryptamine Modulates Migration, Cytokine and Chemokine Release and T-Cell Priming Capacity of Dendritic Cells In Vitro and In Vivo. PLoS ONE, 2009, 4, e6453.	2.5	137
72	ATP in the tumour microenvironment drives expression of nfP2X7, a key mediator of cancer cell survival. Oncogene, 2019, 38, 194-208.	5.9	136

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73	Expression and function of histamine receptors in human monocyte-derived dendritic cells. Journal of Allergy and Clinical Immunology, 2002, 109, 839-846.	2.9	135
74	P2X₇ Receptor Signaling in the Pathogenesis of Smoke-Induced Lung Inflammation and Emphysema. American Journal of Respiratory Cell and Molecular Biology, 2011, 44, 423-429.	2.9	130
75	P2 receptors and extracellular ATP: a novel homeostatic pathway in inflammation. Frontiers in Bioscience - Scholar, 2011, S3, 1443.	2.1	130
76	Acute retinal ganglion cell injury caused by intraocular pressure spikes is mediated by endogenous extracellular ATP. European Journal of Neuroscience, 2007, 25, 2741-2754.	2.6	128
77	A role for P2X7in microglial proliferation. Journal of Neurochemistry, 2006, 99, 745-758.	3.9	127
78	Purinergic signaling, DAMPs, and inflammation. American Journal of Physiology - Cell Physiology, 2020, 318, C832-C835.	4.6	127
79	P2X7 receptor: Death or life?. Purinergic Signalling, 2005, 1, 219-227.	2.2	126
80	Extracellular ATP Activates the NLRP3 Inflammasome and Is an Early Danger Signal of Skin Allograft Rejection. Cell Reports, 2017, 21, 3414-3426.	6.4	126
81	Extracellular ATP: A Feasible Target for Cancer Therapy. Cells, 2020, 9, 2496.	4.1	126
82	The adjuvant MF59 induces ATP release from muscle that potentiates response to vaccination. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 21095-21100.	7.1	125
83	Extracellular ATP Causes ROCK I-dependent Bleb Formation in P2X7-transfected HEK293 Cells. Molecular Biology of the Cell, 2003, 14, 2655-2664.	2.1	124
84	P2X7: a growth-promoting receptorâ€"implications for cancer. Purinergic Signalling, 2009, 5, 251-256.	2.2	124
85	Increased P2X7 Receptor Expression and Function in Thyroid Papillary Cancer: A New Potential Marker of the Disease?. Endocrinology, 2008, 149, 389-396.	2.8	123
86	P2X7 receptorâ€stimulation causes fever via PGE2 and ILâ€1Î² release. FASEB Journal, 2012, 26, 2951-2962.	0.5	123
87	The Human Cathelicidin LL-37 Modulates the Activities of the P2X7 Receptor in a Structure-dependent Manner. Journal of Biological Chemistry, 2008, 283, 30471-30481.	3.4	121
88	Extracellular ATP Exerts Opposite Effects on Activated and Regulatory CD4+ T Cells via Purinergic P2 Receptor Activation. Journal of Immunology, 2012, 189, 1303-1310.	0.8	121
89	Proinflammatory Cytokines Inhibit Secretion in Rat Bile Duct Epithelium. Gastroenterology, 2001, 121, 156-169.	1.3	119
90	Purinergic Receptor Inhibition Prevents the Development of Smoke-Induced Lung Injury and Emphysema. Journal of Immunology, 2010, 185, 688-697.	0.8	119

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91	The P2X7 receptor is a key modulator of aerobic glycolysis. Cell Death and Disease, 2012, 3, e370-e370.	6.3	117
92	Extracellular ATP as a possible mediator of cell-mediated cytotoxicity. Trends in Immunology, 1990, 11, 274-277.	7.5	116
93	Dendritic cells exposed to extracellular adenosine triphosphate acquire the migratory properties of mature cells and show a reduced capacity to attract type 1 T lymphocytes. Blood, 2002, 99, 1715-1722.	1.4	115
94	Detecting adenosine triphosphate in the pericellular space. Interface Focus, 2013, 3, 20120101.	3.0	115
95	P2 receptors: new potential players in atherosclerosis. British Journal of Pharmacology, 2002, 135, 831-842.	5.4	113
96	Extracellular nucleotides are potent stimulators of human hematopoietic stem cells in vitro and in vivo. Blood, 2004, 104, 1662-1670.	1.4	111
97	Extracellular nucleotides as negative modulators of immunity. Current Opinion in Pharmacology, 2009, 9, 507-513.	3.5	107
98	ATP and cancer immunosurveillance. EMBO Journal, 2021, 40, e108130.	7.8	105
99	Ion fluxes through the progesterone-activated channel of the sperm plasma membrane. Biochemical Journal, 1993, 294, 279-283.	3.7	103
100	ATP/P2X7 axis modulates myeloid-derived suppressor cell functions in neuroblastoma microenvironment. Cell Death and Disease, 2014, 5, e1135-e1135.	6.3	102
101	P2X7 in Cancer: From Molecular Mechanisms to Therapeutics. Frontiers in Pharmacology, 2020, 11, 793.	3.5	102
102	Tyrosine Phosphorylation of HSP90 within the P2X7 Receptor Complex Negatively Regulates P2X7 Receptors. Journal of Biological Chemistry, 2003, 278, 37344-37351.	3.4	98
103	Expression of the P2X7 Receptor Increases the Ca2+ Content of the Endoplasmic Reticulum, Activates NFATc1, and Protects from Apoptosis. Journal of Biological Chemistry, 2009, 284, 10120-10128.	3.4	95
104	Characterization of the cytotoxic effect of extracellular ATP in J774 mouse macrophages. Biochemical Journal, 1992, 288, 897-901.	3.7	94
105	Apoptosis Is Dependent on Intracellular Zinc and Independent of Intracellular Calcium in Lymphocytes. Experimental Cell Research, 1994, 211, 339-343.	2.6	93
106	The extracellular nucleotide UTP is a potent inducer of hematopoietic stem cell migration. Blood, 2007, 109, 533-542.	1.4	93
107	Extracellular ATP causes lysis of mouse thymocytes and activates a plasma membrane ion channel. Biochemical Journal, 1991, 274, 139-144.	3.7	92
108	Inositol phosphate formation in fMet-Leu-Phe-stimulated human neutrophils does not require an increase in the cytosolic free Ca2+ concentration. Biochemical Journal, 1985, 229, 361-367.	3.7	90

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109	The P2Y14 Receptor of Airway Epithelial Cells. American Journal of Respiratory Cell and Molecular Biology, 2005, 33, 601-609.	2.9	90
110	Intracellular calcium store depletion and acrosome reaction in human spermatozoa: role of calcium and plasma membrane potential. Molecular Human Reproduction, 2001, 7, 119-128.	2.8	87
111	The Influence of Lysophosphatidic Acid on the Functions of Human Dendritic Cells. Journal of Immunology, 2002, 169, 4129-4135.	0.8	87
112	Stimulation of P2 (P2X 7) receptors in human dendritic cells induces the release of tissue factorâ€bearing microparticles. FASEB Journal, 2007, 21, 1926-1933.	0.5	87
113	Intercellular Calcium Signaling Induced by ATP Potentiates Macrophage Phagocytosis. Cell Reports, 2019, 27, 1-10.e4.	6.4	85
114	Purinergic signalling in the immune system. A brief update. Purinergic Signalling, 2007, 3, 1-3.	2.2	84
115	Dysregulation of P2X7 receptor-inflammasome axis in SAPHO syndrome: successful treatment with anakinra. Rheumatology, 2010, 49, 1416-1418.	1.9	84
116	The sixth sense: hematopoietic stem cells detect danger through purinergic signaling. Blood, 2012, 120, 2365-2375.	1.4	83
117	Macrophage P2X4 receptors augment bacterial killing and protect against sepsis. JCI Insight, 2018, 3, .	5.0	82
118	P2X7 receptor drives osteoclast fusion by increasing the extracellular adenosine concentration. FASEB Journal, 2011, 25, 1264-1274.	0.5	81
119	Agonists and Antagonists Acting at P2X7 Receptor. Current Topics in Medicinal Chemistry, 2004, 4, 1707-1717.	2.1	80
120	Adenosine triphosphateâ€"induced oxygen radical production and CD11b up-regulation: Ca++ mobilization and actin reorganization in human eosinophils. Blood, 2000, 95, 973-978.	1.4	79
121	The Antibiotic Polymyxin B Modulates P2X7 Receptor Function. Journal of Immunology, 2004, 173, 4652-4660.	0.8	79
122	Purinergic mechanism in the immune system: A signal of danger for dendritic cells. Purinergic Signalling, 2005, 1, 205-209.	2.2	79
123	Muscarinic receptor-induced phosphoinositide hydrolysis at resting cytosolic Ca2+ concentration in PC12 cells.. Journal of Cell Biology, 1985, 100, 1330-1333.	5.2	78
124	Trophic Activity of Human P2X7 Receptor Isoforms A and B in Osteosarcoma. PLoS ONE, 2014, 9, e107224.	2.5	78
125	Cyclic AMP inhibition of fMet-Leu-Phe-dependent metabolic responses in human neutrophils is not due to its effects on cytosolic Ca2+. Biochemical Journal, 1984, 224, 629-635.	3.7	77
126	Dysfunctional inflammasome in Schnitzler's syndrome. Rheumatology, 2009, 48, 1304-1308.	1.9	77

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127	Dr. Jekyll/Mr. Hyde: the dual role of extracellular ATP. Journal of the Autonomic Nervous System, 2000, 81, 59-63.	1.9	76
128	P2X7 purinergic receptors and extracellular ATP mediate apoptosis of human monocytes/macrophages infected with Mycobacterium tuberculosis reducing the intracellular bacterial viability. Cellular Immunology, 2006, 244, 10-18.	3.0	75
129	Purinergic P2Y2 Receptors Promote Neutrophil Infiltration and Hepatocyte Death in Mice With Acute Liver Injury. Gastroenterology, 2012, 143, 1620-1629.e4.	1.3	75
130	Purinergic stimulation of human mesenchymal stem cells potentiates their chemotactic response to CXCL12 and increases the homing capacity and production of proinflammatory cytokines. Experimental Hematology, 2011, 39, 360-374.e5.	0.4	73
131	ATP Release from Chemotherapy-Treated Dying Leukemia Cells Elicits an Immune Suppressive Effect by Increasing Regulatory T Cells and Tolerogenic Dendritic Cells. Frontiers in Immunology, 2017, 8, 1918.	4.8	72
132	Non-nucleotide Agonists Triggering P2X7 Receptor Activation and Pore Formation. Frontiers in Pharmacology, 2018, 9, 39.	3.5	70
133	P2X Receptors and Inflammation. Current Medicinal Chemistry, 2015, 22, 866-877.	2.4	70
134	Chapter 29 The P2Z/P2X7 receptor of microglial cells: A novel immunomodulatory receptor. Progress in Brain Research, 1999, 120, 355-368.	1.4	69
135	Synthesis and Biological Activity ofN-Arylpiperazine-Modified Analogues of KN-62, a Potent Antagonist of the Purinergic P2X7Receptor. Journal of Medicinal Chemistry, 2003, 46, 1318-1329.	6.4	69
136	Calcium and inositolphosphates in the activation of T cell-mediated cytotoxicity.. Journal of Experimental Medicine, 1987, 166, 33-42.	8.5	68
137	Role of the Purinergic P2Z Receptor in Spontaneous Cell Death in J774 Macrophage Cultures. Biochemical and Biophysical Research Communications, 1996, 218, 176-181.	2.1	68
138	Stimulation of P2 purinergic receptors induces the release of eosinophil cationic protein and interleukin-8 from human eosinophils. British Journal of Pharmacology, 2003, 138, 1244-1250.	5.4	68
139	Activation of muscarinic receptors in PC12 cells. Stimulation of Ca2+ influx and redistribution. Biochemical Journal, 1986, 234, 547-553.	3.7	66
140	Neuronal death induced by endogenous extracellular ATP in retinal cholinergic neuron density control. Development (Cambridge), 2005, 132, 2873-2882.	2.5	66
141	Involvement of the Purinergic P2X7 Receptor in the Formation of Multinucleated Giant Cells. Journal of Immunology, 2006, 177, 7257-7265.	0.8	66
142	P2 purinergic receptors of human eosinophils: characterization and coupling to oxygen radical production. FEBS Letters, 2000, 486, 217-224.	2.8	65
143	ILâ€18 associates to microvesicles shed from human macrophages by a LPS/TLRâ€4 independent mechanism in response to P2X receptor stimulation. European Journal of Immunology, 2012, 42, 3334-3345.	2.9	65
144	Purinergic modulation of mesangial extracellular matrix production: Role in diabetic and other glomerular diseases. Kidney International, 2005, 67, 875-885.	5.2	63

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145	Modulation of innate and adaptive immunity by P2X ion channels. Current Opinion in Immunology, 2018, 52, 51-59.	5.5	63
146	Transient P2X7 Receptor Activation Triggers Macrophage Death Independent of Toll-like Receptors 2 and 4, Caspase-1, and Pannexin-1 Proteins. Journal of Biological Chemistry, 2012, 287, 10650-10663.	3.4	62
147	P2X₇Receptor and Polykarion Formation. Molecular Biology of the Cell, 2000, 11, 3169-3176.	2.1	61
148	A rationale for targeting the P2X7 receptor in Coronavirus disease 19. British Journal of Pharmacology, 2020, 177, 4990-4994.	5.4	60
149	Cell-mediated cytotoxicity: ATP as an effector and the role of target cells. Current Opinion in Immunology, 1991, 3, 71-75.	5.5	59
150	Novel data point to a broader mechanism of action of oxidized ATP: the P2X7 receptor is not the only target. British Journal of Pharmacology, 2003, 140, 441-443.	5.4	59
151	New Pathways for Reactive Oxygen Species Generation in Inflammation and Potential Novel Pharmacological Targets. Current Pharmaceutical Design, 2004, 10, 1647-1652.	1.9	58
152	Effect of cytochalasins on cytosolic-free calcium concentration and phosphoinositide metabolism in leukocytes. Experimental Cell Research, 1987, 168, 285-298.	2.6	57
153	Activation of Human Alveolar Macrophages via P2 Receptors: Coupling to Intracellular Ca2+ Increases and Cytokine Secretion. Journal of Immunology, 2008, 181, 2181-2188.	0.8	57
154	Assignment of ectoâ€nucleoside triphosphate diphosphohydrolaseâ€1/cd39 expression to microglia and vasculature of the brain. European Journal of Neuroscience, 2000, 12, 4357-4366.	2.6	55
155	Activation of muscarinic receptors in PC12 cells. Correlation between cytosolic Ca2+ rise and phosphoinositide hydrolysis. Biochemical Journal, 1986, 234, 555-562.	3.7	53
156	Anti-Tumor Activity of a miR-199-dependent Oncolytic Adenovirus. PLoS ONE, 2013, 8, e73964.	2.5	53
157	Purinergic signaling inhibits human acute myeloblastic leukemia cell proliferation, migration, and engraftment in immunodeficient mice. Blood, 2012, 119, 217-226.	1.4	52
158	Lactate Rewires Lipid Metabolism and Sustains a Metabolicâ€"Epigenetic Axis in Prostate Cancer. Cancer Research, 2022, 82, 1267-1282.	0.9	52
159	Role of inositol 1,4,5-trisphosphate in excitation-contraction coupling in skeletal muscle. FEBS Letters, 1986, 197, 1-4.	2.8	51
160	Chapter 21 Organic-Anion Transport Inhibitors to Facilitate Measurement of Cytosolic Free Ca2+ with Fura-2. Methods in Cell Biology, 1989, 31, 453-462.	1.1	51
161	High glucose modulates P2X 7 receptor-mediated function in human primary fibroblasts. Diabetologia, 2000, 43, 1248-1256.	6.3	51
162	Stimulation of Purinergic Receptors Modulates Chemokine Expression in Human Keratinocytes. Journal of Investigative Dermatology, 2007, 127, 660-667.	0.7	51

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163	Enhanced P2X 7 Activity in Human Fibroblasts From Diabetic Patients. Arteriosclerosis, Thrombosis, and Vascular Biology, 2004, 24, 1240-1245.	2.4	50
164	P2 receptors and immunity. Microbes and Infection, 2012, 14, 1254-1262.	1.9	50
165	Design, synthesis and evaluation in an LPS rodent model of neuroinflammation of a novel 18F-labelled PET tracer targeting P2X7. EJNMMI Research, 2017, 7, 31.	2.5	50
166	ATP secreted by endothelial cells blocks CX3CL1-elicited natural killer cell chemotaxis and cytotoxicity via P2Y11 receptor activation. Blood, 2010, 116, 4492-4500.	1.4	49
167	Is a guanine nucleotide-binding protein involved in excitation-contraction coupling in skeletal muscle?. EMBO Journal, 1986, 5, 259-262.	7.8	48
168	Identification, kinetic properties and intracellular localization of the (Ca2+-Mg2+)-ATPase from the intracellular stores of chicken cerebellum. Biochemical Journal, 1991, 275, 555-561.	3.7	47
169	The P2X7 Receptor and Pannexin-1 Are Both Required for the Promotion of Multinucleated Macrophages by the Inflammatory Cytokine GM-CSF. Journal of Immunology, 2011, 187, 3878-3887.	0.8	47
170	Involvement of the P2X7-NLRP3 axis in leukemic cell proliferation and death. Scientific Reports, 2016, 6, 26280.	3.3	47
171	A role for calcium in Bcl-2 action?. Biochimie, 2002, 84, 195-201.	2.6	46
172	H+/site, charge/site, and ATP/site ratios in mitochondrial electron transport. Proceedings of the National Academy of Sciences of the United States of America, 1979, 76, 2123-2127.	7.1	45
173	Involvement of osmo-sensitive calcium influx in human sperm activation. Molecular Human Reproduction, 1996, 2, 903-909.	2.8	45
174	Nimodipine inhibits ILâ€1Î² release stimulated by amyloid Î² from microglia. British Journal of Pharmacology, 2012, 167, 1702-1711.	5.4	45
175	Amyloid Î²-dependent mitochondrial toxicity in mouse microglia requires P2X7 receptor expression and is prevented by nimodipine. Scientific Reports, 2019, 9, 6475.	3.3	45
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