Davide Ferrari

List of Publications by Year
in descending order

110 papers	15,267 citations	19657 61 h-index	28297 105 g-index
110 all docs	110 docs citations	110 times ranked	15004 citing authors

#	Article	IF	Citations
1	Activation of microglial cells by Î²-amyloid protein and interferon-Î³. Nature, 1995, 374, 647-650.	27.8	1,312
2	The P2X7 Receptor: A Key Player in IL-1 Processing and Release. Journal of Immunology, 2006, 176, 3877-3883.	0.8	949
3	Apoptosis signaling by death receptors. FEBS Journal, 1998, 254, 439-459.	0.2	847
4	Nucleotide signalling during inflammation. Nature, 2014, 509, 310-317.	27.8	750
5	Nucleotide receptors: an emerging family of regulatory molecules in blood cells. Blood, 2001, 97, 587-600.	1.4	645
6	Extracellular ATP triggers and maintains asthmatic airway inflammation by activating dendritic cells. Nature Medicine, 2007, 13, 913-919.	30.7	559
7	Purinergic Modulation of Interleukin-1Î² Release from Microglial Cells Stimulated with Bacterial Endotoxin. Journal of Experimental Medicine, 1997, 185, 579-582.	8.5	457
8	Calcium and apoptosis: facts and hypotheses. Oncogene, 2003, 22, 8619-8627.	5.9	439
9	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
10	Activation and Caspase-mediated Inhibition of PARP: A Molecular Switch between Fibroblast Necrosis and Apoptosis in Death Receptor Signaling. Molecular Biology of the Cell, 2002, 13, 978-988.	2.1	434
11	Graft-versus-host disease is enhanced by extracellular ATP activating P2X7R. Nature Medicine, 2010, 16, 1434-1438.	30.7	376
12	Extracellular ATP Activates Transcription Factor NF-Î°B through the P2Z Purinoreceptor by Selectively Targeting NF-Î°B p65 (RelA). Journal of Cell Biology, 1997, 139, 1635-1643.	5.2	273
13	ATP-mediated cytotoxicity in microglial cells. Neuropharmacology, 1997, 36, 1295-1301.	4.1	269
14	P2Z purinoreceptor ligation induces activation of caspases with distinct roles in apoptotic and necrotic alterations of cell death. FEBS Letters, 1999, 447, 71-75.	2.8	259
15	Activation of Microglia by Amyloid Î² Requires P2X7 Receptor Expression. Journal of Immunology, 2009, 182, 4378-4385.	0.8	256
16	Cytolytic P2X purinoceptors. Cell Death and Differentiation, 1998, 5, 191-199.	11.2	243
17	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
18	Stimulation of P2 receptors causes release of IL-1Î²â€"loaded microvesicles from human dendritic cells. Blood, 2007, 109, 3856-3864.	1.4	229

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19	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
20	Differential Regulation and ATP Requirement for Caspase-8 and Caspase-3 Activation during CD95- and Anticancer Drugâ€“induced Apoptosis. Journal of Experimental Medicine, 1998, 188, 979-984.	8.5	198
21	The Serotoninergic Receptors of Human Dendritic Cells: Identification and Coupling to Cytokine Release. Journal of Immunology, 2004, 172, 6011-6019.	0.8	190
22	Alerting and tuning the immune response by extracellular nucleotides. Journal of Leukocyte Biology, 2003, 73, 339-343.	3.3	184
23	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
24	Extracellular Adenosine Triphosphate and Chronic Obstructive Pulmonary Disease. American Journal of Respiratory and Critical Care Medicine, 2010, 181, 928-934.	5.6	174
25	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
26	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
27	The P2 purinergic receptors of human dendritic cells: identification and coupling to cytokine release. FASEB Journal, 2000, 14, 2466-2476.	0.5	149
28	P2X7/P2Z Purinoreceptor-mediated Activation of Transcription Factor NFAT in Microglial Cells. Journal of Biological Chemistry, 1999, 274, 13205-13210.	3.4	144
29	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
30	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
31	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
32	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
33	A Potential Role for P2X₇R in Allergic Airway Inflammation in Mice and Humans. American Journal of Respiratory Cell and Molecular Biology, 2011, 44, 456-464.	2.9	129
34	A role for P2X7in microglial proliferation. Journal of Neurochemistry, 2006, 99, 745-758.	3.9	127
35	P2X7 receptor: Death or life?. Purinergic Signalling, 2005, 1, 219-227.	2.2	126
36	Oxidative stress and hypoxia/reoxygenation trigger CD95 (APO-1/Fas) ligand expression in microglial cells. FEBS Letters, 1998, 429, 67-72.	2.8	124

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37	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
38	P2X7: a growth-promoting receptorâ€"implications for cancer. Purinergic Signalling, 2009, 5, 251-256.	2.2	124
39	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
40	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
41	Purinergic Receptor Inhibition Prevents the Development of Smoke-Induced Lung Injury and Emphysema. Journal of Immunology, 2010, 185, 688-697.	0.8	119
42	Extracellular nucleotide and nucleoside signaling in vascular and blood disease. Blood, 2014, 124, 1029-1037.	1.4	119
43	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
44	Extracellular nucleotides are potent stimulators of human hematopoietic stem cells in vitro and in vivo. Blood, 2004, 104, 1662-1670.	1.4	111
45	Pharmacological and biochemical characterization of A3 adenosine receptors in Jurkat T cells. British Journal of Pharmacology, 2001, 134, 116-126.	5.4	100
46	Extracellular Purines Promote the Differentiation of Human Bone Marrow-Derived Mesenchymal Stem Cells to the Osteogenic and Adipogenic Lineages. Stem Cells and Development, 2013, 22, 1097-1111.	2.1	95
47	Caspase-dependent Alterations of Ca2+ Signaling in the Induction of Apoptosis by Hepatitis B Virus X Protein. Journal of Biological Chemistry, 2003, 278, 31745-31755.	3.4	94
48	The extracellular nucleotide UTP is a potent inducer of hematopoietic stem cell migration. Blood, 2007, 109, 533-542.	1.4	93
49	The P2Y14 Receptor of Airway Epithelial Cells. American Journal of Respiratory Cell and Molecular Biology, 2005, 33, 601-609.	2.9	90
50	The Influence of Lysophosphatidic Acid on the Functions of Human Dendritic Cells. Journal of Immunology, 2002, 169, 4129-4135.	0.8	87
51	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
52	Purinergic Receptor Type 6 Contributes to Airway Inflammation and Remodeling in Experimental Allergic Airway Inflammation. American Journal of Respiratory and Critical Care Medicine, 2011, 184, 215-223.	5.6	85
53	The sixth sense: hematopoietic stem cells detect danger through purinergic signaling. Blood, 2012, 120, 2365-2375.	1.4	83
54	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

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55	The Antibiotic Polymyxin B Modulates P2X7 Receptor Function. Journal of Immunology, 2004, 173, 4652-4660.	0.8	79
56	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
57	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
58	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
59	P2 purinergic receptors of human eosinophils: characterization and coupling to oxygen radical production. FEBS Letters, 2000, 486, 217-224.	2.8	65
60	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
61	Purinergic signaling in scarring. FASEB Journal, 2016, 30, 3-12.	0.5	65
62	Purinergic Signaling During Immune Cell Trafficking. Trends in Immunology, 2016, 37, 399-411.	6.8	64
63	P2X₇Receptor and Polykarion Formation. Molecular Biology of the Cell, 2000, 11, 3169-3176.	2.1	61
64	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
65	Purinergic signaling inhibits human acute myeloblastic leukemia cell proliferation, migration, and engraftment in immunodeficient mice. Blood, 2012, 119, 217-226.	1.4	52
66	Roles and Modalities of Ectonucleotidases in Remodeling the Multiple Myeloma Niche. Frontiers in Immunology, 2017, 8, 305.	4.8	52
67	Stimulation of Purinergic Receptors Modulates Chemokine Expression in Human Keratinocytes. Journal of Investigative Dermatology, 2007, 127, 660-667.	0.7	51
68	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
69	A role for calcium in Bcl-2 action?. Biochimie, 2002, 84, 195-201.	2.6	46
70	Purinoceptor function in the immune system. Drug Development Research, 1996, 39, 319-329.	2.9	43
71	ATP receptors and giant cell formation. Journal of Leukocyte Biology, 1999, 66, 723-726.	3.3	42
72	Anti-CD73 immunotherapy: A viable way to reprogram the tumor microenvironment. OncoImmunology, 2016, 5, e1216292.	4.6	42

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73	Functional characterization of P2Y and P2X receptors in human eosinophils. Journal of Cellular Physiology, 2001, 188, 329-336.	4.1	35
74	Purinergic signaling in atherosclerosis. Trends in Molecular Medicine, 2015, 21, 184-192.	6.7	35
75	Crystal Structure of an Electron Transfer Complex between Aromatic Amine Dehydrogenase and Azurin from Alcaligenes faecalis,. Biochemistry, 2006, 45, 13500-13510.	2.5	34
76	Extracellular ATP Acting at the P2X7 Receptor Inhibits Secretion of Soluble HLA-G from Human Monocytes. Journal of Immunology, 2009, 183, 4302-4311.	0.8	34
77	MicroRNAs Modulate the Purinergic Signaling Network. Trends in Molecular Medicine, 2016, 22, 905-918.	6.7	29
78	A Purinergic Trail for Metastases. Trends in Pharmacological Sciences, 2017, 38, 277-290.	8.7	28
79	P2 Purinoceptors in the Immune System. Novartis Foundation Symposium, 1996, 198, 290-308.	1.1	28
80	The purinergic receptor subtype P2Y2 mediates chemotaxis of neutrophils and fibroblasts in fibrotic lung disease. Oncotarget, 2017, 8, 35962-35972.	1.8	28
81	Activation of human eosinophils via P2 receptors: novel findings and future perspectives. Journal of Leukocyte Biology, 2006, 79, 7-15.	3.3	27
82	P2Y6 Receptor Activation Promotes Inflammation and Tissue Remodeling in Pulmonary Fibrosis. Frontiers in Immunology, 2017, 8, 1028.	4.8	27
83	Microvascular inflammation in atherosclerosis. IJC Metabolic & Endocrine, 2014, 3, 1-7.	0.5	22
84	Extracellular Adenosine 5â€²-Triphosphate Modulates Interleukin-6 Production by Human Thyrocytes through Functional Purinergic P2 Receptors. Endocrinology, 2005, 146, 3172-3178.	2.8	21
85	Molecular machinery and signaling events in apoptosis. Drug Development Research, 2001, 52, 558-570.	2.9	19
86	Shaping immune responses through the activation of dendritic cellsâ€“P2 receptors. Purinergic Signalling, 2007, 3, 99-107.	2.2	18
87	Purinergic Signaling: A New Pharmacological Target Against Viruses?. Trends in Pharmacological Sciences, 2018, 39, 926-936.	8.7	18
88	Functional and structural alterations in the endoplasmic reticulum and mitochondria during apoptosis triggered by C2-ceramide and CD95/APO-1/FAS receptor stimulation. Biochemical and Biophysical Research Communications, 2010, 391, 575-581.	2.1	17
89	Differential Effects of Angelicin Analogues on NF-<i>Îº</i>B Activity and IL-8 Gene Expression in Cystic Fibrosis IB3-1 Cells. Mediators of Inflammation, 2017, 2017, 1-11.	3.0	16
90	Purinergic Signaling and Inflammasome Activation in Psoriasis Pathogenesis. International Journal of Molecular Sciences, 2021, 22, 9449.	4.1	16

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91	Extracellular ATP, P2 receptors, and inflammation. Drug Development Research, 2003, 59, 171-174.	2.9	15
92	Cytokine-Induced Killer Cells Express CD39, CD38, CD203a, CD73 Ectoenzymes and P1 Adenosinergic Receptors. Frontiers in Pharmacology, 2018, 9, 196.	3.5	15
93	Alzheimer and Purinergic Signaling: Just a Matter of Inflammation?. Cells, 2021, 10, 1267.	4.1	15
94	Catalysis and electron transfer in protein crystals: the binary and ternary complexes of methylamine dehydrogenase with electron acceptors. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2003, 1647, 337-342.	2.3	14
95	Electron transfer in crystals of the binary and ternary complexes of methylamine dehydrogenase with amicyanin and cytochrome c551i as detected by EPR spectroscopy. Journal of Biological Inorganic Chemistry, 2004, 9, 231-237.	2.6	14
96	Purinergic Signaling in Controlling Macrophage and T Cell Functions During Atherosclerosis Development. Frontiers in Immunology, 2020, 11, 617804.	4.8	12
97	Proapoptotic plasma membrane pore: P2X7 receptor. Drug Development Research, 2001, 52, 571-578.	2.9	11
98	Eosinophils and Purinergic Signaling in Health and Disease. Frontiers in Immunology, 2020, 11, 1339.	4.8	11
99	Increased sensitivity to extracellular ATP of fibroblasts from patients affected by systemic sclerosis. Annals of the Rheumatic Diseases, 2007, 66, 1124-1125.	0.9	9
100	AMP Affects Intracellular Ca2+ Signaling, Migration, Cytokine Secretion and T Cell Priming Capacity of Dendritic Cells. PLoS ONE, 2012, 7, e37560.	2.5	9
101	Analytic and Dynamic Secretory Profile of Patient-Derived Cytokine-Induced Killer Cells. Molecular Medicine, 2017, 23, 235-246.	4.4	9
102	Structural Comparison of Crystal and Solution States of the 138 kDa Complex of Methylamine Dehydrogenase and Amicyanin fromParacoccus versutusâ€. Biochemistry, 2008, 47, 6560-6570.	2.5	8
103	Editorial: Purinergic Signaling and Inflammation. Frontiers in Immunology, 2021, 12, 699069.	4.8	4
104	The Potential of Purinergic Signaling to Thwart Viruses Including SARS-CoV-2. Frontiers in Immunology, 0, 13, .	4.8	3
105	Venous Leg Ulcers And Apoptosis: A TIMP-3-Mediated Pathway?. Journal of Investigative Dermatology, 2004, 123, 1210-1212.	0.7	2
106	Extracellular ATP activates transcription factor NFAT in mouse microglial cells. Drug Development Research, 2001, 52, 213-219.	2.9	1
107	ROLE OF PURINERGIC RECEPTORS IN CELL DEATH AND CYTOKINE RELEASE IN THE IMMUNE SYSTEM. Biochemical Society Transactions, 1996, 24, 560S-560S.	3.4	0
108	The Inflammation Signaling Molecule ATP Regulates Human CD4+ T Cell Functions. Blood, 2010, 116, 3901-3901.	1.4	0

#	Article	IF	Citations
109	Purinergic Stimulation of Human Bone Marrow-Derived Mesenchymal Stem Cells Modulate Their Function and Differentiation Potential.. Blood, 2010, 116, 3848-3848.	1.4	0
110	Shaping immune responses through the activation of dendritic cellsâ€™ P2 receptors. Purinergic Signalling, 0, , .	2.2	0