Elena Adinolfi

List of Publications by Citations

70 papers	4,760 citations	32 h-index	68 g-index
80 ext. papers	5,785 ext. citations	5.2 avg, IF	5.73 L-index

#	Paper	IF	Citations
70	The P2X7 receptor: a key player in IL-1 processing and release. *Journal of Immunology*, **2006**, 176, 3877-83	5.3	839
69	Extracellular ATP and P2 purinergic signalling in the tumour microenvironment. *Nature Reviews Cancer*, **2018**, 18, 601-618	31.3	275
68	Extracellular purines, purinergic receptors and tumor growth. *Oncogene*, **2017**, 36, 293-303	9.2	272
67	Expression of P2X7 receptor increases in vivo tumor growth. *Cancer Research*, **2012**, 72, 2957-69	10.1	236
66	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, 3260-72	3.5	204
65	Stimulation of P2 receptors causes release of IL-1beta-loaded microvesicles from human dendritic cells. *Blood*, **2007**, 109, 3856-64	2.2	192
64	Trophic activity of a naturally occurring truncated isoform of the P2X7 receptor. *FASEB Journal*, **2010**, 24, 3393-404	0.9	173
63	P2X7 receptor expression in evolutive and indolent forms of chronic B lymphocytic leukemia. *Blood*, **2002**, 99, 706-8	2.2	161
62	Increased proliferation rate of lymphoid cells transfected with the P2X(7) ATP receptor. *Journal of Biological Chemistry*, **1999**, 274, 33206-8	5.4	160
61	The P2X7 receptor: A main player in inflammation. *Biochemical Pharmacology*, **2018**, 151, 234-244	6	159
60	Overexpression and properties of a new thermophilic and thermostable esterase from Bacillus acidocaldarius with sequence similarity to hormone-sensitive lipase subfamily. *Biochemical Journal*, **1998**, 332 (Pt 1), 203-12	3.8	127
59	Pseudoapoptosis induced by brief activation of ATP-gated P2X7 receptors. *Journal of Biological Chemistry*, **2005**, 280, 33968-76	5.4	123
58	P2X(7): a growth-promoting receptor-implications for cancer. *Purinergic Signalling*, **2009**, 5, 251-6	3.8	109
57	The P2X7 receptor is a key modulator of the PI3K/GSK3β/VEGF signaling network: evidence in experimental neuroblastoma. *Oncogene*, **2015**, 34, 5240-51	9.2	104
56	P2X(7) receptor: Death or life?. *Purinergic Signalling*, **2005**, 1, 219-27	3.8	104
55	Accelerated tumor progression in mice lacking the ATP receptor P2X7. *Cancer Research*, **2015**, 75, 635-44	10.1	96
54	The P2X7 receptor modulates immune cells infiltration, ectonucleotidases expression and extracellular ATP levels in the tumor microenvironment. *Oncogene*, **2019**, 38, 3636-3650	9.2	87

53	The P2X7 receptor is a key modulator of aerobic glycolysis. *Cell Death and Disease*, **2012**, 3, e370	9.8	86
52	The extracellular nucleotide UTP is a potent inducer of hematopoietic stem cell migration. *Blood*, **2007**, 109, 533-42	2.2	86
51	Tyrosine phosphorylation of HSP90 within the P2X7 receptor complex negatively regulates P2X7 receptors. *Journal of Biological Chemistry*, **2003**, 278, 37344-51	5.4	78
50	Stimulation of P2 (P2X7) receptors in human dendritic cells induces the release of tissue factor-bearing microparticles. *FASEB Journal*, **2007**, 21, 1926-33	0.9	75
49	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, 10120-8	5.4	74
48	The antibiotic polymyxin B modulates P2X7 receptor function. *Journal of Immunology*, **2004**, 173, 4652-60	5.3	65
47	Involvement of the purinergic P2X7 receptor in the formation of multinucleated giant cells. *Journal of Immunology*, **2006**, 177, 7257-65	5.3	64
46	P2X7 Receptor as a Therapeutic Target. *Advances in Protein Chemistry and Structural Biology*, **2016**, 104, 39-79	5.3	62
45	Trophic activity of human P2X7 receptor isoforms A and B in osteosarcoma. *PLoS ONE*, **2014**, 9, e107224	3.7	57
44	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	8.4	55
43	P2X7 Receptor Orchestrates Multiple Signalling Pathways Triggering Inflammation, Autophagy and Metabolic/Trophic Responses. *Current Medicinal Chemistry*, **2017**, 24, 2261-2275	4.3	49
42	Stimulation of purinergic receptors modulates chemokine expression in human keratinocytes. *Journal of Investigative Dermatology*, **2007**, 127, 660-7	4.3	45
41	Enhanced P2X7 activity in human fibroblasts from diabetic patients: a possible pathogenetic mechanism for vascular damage in diabetes. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2004** , 24, 1240-5	9.4	41
40	Emerging roles of P2X receptors in cancer. *Current Medicinal Chemistry*, **2015**, 22, 878-90	4.3	41
39	P2X7 in Cancer: From Molecular Mechanisms to Therapeutics. *Frontiers in Pharmacology*, **2020**, 11, 793	5.6	37
38	Extracellular ATP induces apoptosis through P2X7R activation in acute myeloid leukemia cells but not in normal hematopoietic stem cells. *Oncotarget*, **2017**, 8, 5895-5908	3.3	32
37	P2X7 Receptor Function in Bone-Related Cancer. *Journal of Osteoporosis*, **2012**, 2012, 637863	2.8	30
36	Homology modeling and active-site residues probing of the thermophilic Alicyclobacillus acidocaldarius esterase 2. *Protein Science*, **1999**, 8, 1789-96	6.3	30

35	Amyloid β-dependent mitochondrial toxicity in mouse microglia requires P2X7 receptor expression and is prevented by nimodipine. *Scientific Reports*, **2019**, 9, 6475	4.9	29
34	P2 receptors in cancer progression and metastatic spreading. *Current Opinion in Pharmacology*, **2016**, 29, 17-25	5.1	29
33	Kinin and Purine Signaling Contributes to Neuroblastoma Metastasis. *Frontiers in Pharmacology*, **2018**, 9, 500	5.6	25
32	Detection of Extracellular ATP in the Tumor Microenvironment, Using the pmeLUC Biosensor. *Methods in Molecular Biology*, **2020**, 2041, 183-195	1.4	20
31	Role of the P2X7 receptor in tumor-associated inflammation. *Current Opinion in Pharmacology*, **2019**, 47, 59-64	5.1	19
30	The dominant-negative von Willebrand factor gene deletion p.P1127_C1948delinsR: molecular mechanism and modulation. *Blood*, **2010**, 116, 5371-6	2.2	19
29	Structure, function and techniques of investigation of the P2X7 receptor (P2X7R) in mammalian cells. *Methods in Enzymology*, **2019**, 629, 115-150	1.7	18
28	P2X receptors: New players in cancer pain. *World Journal of Biological Chemistry*, **2014**, 5, 429-36	3.8	18
27	Differential sensitivity of acute myeloid leukemia cells to daunorubicin depends on P2X7A versus P2X7B receptor expression. *Cell Death and Disease*, **2020**, 11, 876	9.8	18
26	P2X7 Variants in Oncogenesis. *Cells*, **2021**, 10,	7.9	15
25	cAMP efflux from human trophoblast cell lines: a role for multidrug resistance protein (MRP)1 transporter. *Molecular Human Reproduction*, **2010**, 16, 481-91	4.4	14
24	Human leukocyte antigen-A, -B, -C and -DR alleles and soluble human leukocyte antigen class I serum level in Meniere's disease. *Acta Oto-Laryngologica*, **2002**, 26-9	1.6	14
23	The P2X7 Receptor 489C>T Gain of Function Polymorphism Favors HHV-6A Infection and Associates With Female Idiopathic Infertility. *Frontiers in Pharmacology*, **2020**, 11, 96	5.6	11
22	Involvement of P2X7 Receptors in the Osteogenic Differentiation of Mesenchymal Stromal/Stem Cells Derived from Human Subcutaneous Adipose Tissue. *Stem Cell Reviews and Reports*, **2019**, 15, 574-589	6.4	9
21	Purinergic signaling in giant cell formation. *Frontiers in Bioscience - Elite*, **2012**, 4, 41-55	1.6	7
20	Emerging Roles of Purinergic Signaling in Diabetes. *Medicinal Chemistry*, **2018**, 14, 428-438	1.8	7
19	P2X7 Receptor in Hematological Malignancies. *Frontiers in Cell and Developmental Biology*, **2021**, 9, 645605	5.7	7
18	Editorial (Thematic Issue: Purinergic P2X Receptors: Physiological and Pathological Roles and Potential as Therapeutic Targets). *Current Medicinal Chemistry*, **2015**, 22, 782-782	4.3	5

17	Purinergic signaling in bone. *Journal of Osteoporosis*, **2013**, 2013, 673684	2.8	5
16	Denatonium as a Bitter Taste Receptor Agonist Modifies Transcriptomic Profile and Functions of Acute Myeloid Leukemia Cells. *Frontiers in Oncology*, **2020**, 10, 1225	5.3	5
15	Role of ATP in Extracellular Vesicle Biogenesis and Dynamics. *Frontiers in Pharmacology*, **2021**, 12, 654023	5.6	5
14	Astrocytes-derived extracellular vesicles in motion at the neuron surface: Involvement of the prion protein. *Journal of Extracellular Vesicles*, **2021**, 10, e12114	16.4	5
13	New intriguing roles of ATP and its receptors in promoting tumor metastasis : presented by Maria P. Abbracchio. *Purinergic Signalling*, **2013**, 9, 487-90	3.8	4
12	Somatostatin as a regulator of first-trimester human trophoblast functions. *Placenta*, **2008**, 29, 660-70	3.4	4
11	P2X7 promotes metastatic spreading and triggers release of miRNA-containing exosomes and microvesicles from melanoma cells. *Cell Death and Disease*, **2021**, 12, 1088	9.8	4
10	Cancer Metabostemness and Metabolic Reprogramming via P2X7 Receptor. *Cells*, **2021**, 10,	7.9	3
9	Irradiation causes senescence, ATP release, and P2X7 receptor isoform switch in glioblastoma.. *Cell Death and Disease*, **2022**, 13, 80	9.8	1
8	The P2RX7B splice variant modulates osteosarcoma cell behaviour and metastatic properties.. *Journal of Bone Oncology*, **2021**, 31, 100398	4.5	1
7	The ATP/P2X7 axis is a crucial regulator of leukemic initiating cells proliferation and homing and an emerging therapeutic target in acute myeloid leukemia. *Purinergic Signalling*, **2021**, 17, 319-321	3.8	1
6	Extracellular ATP is increased by release of ATP-loaded microparticles triggered by nutrient deprivation.. *Theranostics*, **2022**, 12, 859-874	12.1	0
5	Mechanisms of Tolerance Induction through T Regulatory Cells during Chemotherapy-Mediated Immunogenic Cell Death in Acute Myeloid Leukemia. *Blood*, **2019**, 134, 2332-2332	2.2	
4	P2X7 Receptor Activation By ATP As Target of Novel Therapies in Acute Myeloid Leukemia. *Blood*, **2015**, 126, 3684-3684	2.2	
3	The Induction of Inhibitory Pathways in Dendritic Cells May Hamper the Efficient Activation of Anti-Leukemia T Cells within Chemotherapy-Induced Immunogenic Cell Death. *Blood*, **2015**, 126, 1019-1019	2.2	
2	Chemotherapy-Dependent ATP Release from Leukemia Dying Cells Induces Indoleamine 2,3-Dioxygenase 1 in Dendritic Cells. *Blood*, **2016**, 128, 3711-3711	2.2	
1	Administration of P2X7 Receptor Blockers in Oncological Experimental Models. *Methods in Molecular Biology*, **2022**, 303-314	1.4	