

# Gary A Weisman

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/10408162/gary-a-weisman-publications-by-year.pdf>  
**Version:** 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.  
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

114 papers	6,523 citations	47 h-index	78 g-index
117 ext. papers	7,147 ext. citations	5.7 avg, IF	5.27 L-index

#	Paper	IF	Citations
114	P2Y receptor antagonism resolves sialadenitis and improves salivary flow in a Sjögren's syndrome mouse model. <i>Archives of Oral Biology</i> , <b>2021</b> , 124, 105067	2.8	0
113	P2Y receptors for extracellular nucleotides: Contributions to cancer progression and therapeutic implications. <i>Biochemical Pharmacology</i> , <b>2021</b> , 187, 114406	6	9
112	Evolution, correlation, structural impact and dynamics of emerging SARS-CoV-2 variants. <i>Computational and Structural Biotechnology Journal</i> , <b>2021</b> , 19, 3799-3809	6.8	12
111	Indomethacin Treatment Post-irradiation Improves Mouse Parotid Salivary Gland Function via Modulation of Prostaglandin E Signaling. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2021</b> , 9, 697671	5.8	1
110	Cell Sheets Restore Secretory Function in Wounded Mouse Submandibular Glands. <i>Cells</i> , <b>2020</b> , 9,	7.9	2
109	Metallothioneins regulate ATP7A trafficking and control cell viability during copper deficiency and excess. <i>Scientific Reports</i> , <b>2020</b> , 10, 7856	4.9	10
108	P2Y receptors mediate nucleotide-induced EGFR phosphorylation and stimulate proliferation and tumorigenesis of head and neck squamous cell carcinoma cell lines. <i>Oral Oncology</i> , <b>2020</b> , 109, 104808	4.4	6
107	Radiation-Induced Salivary Gland Dysfunction: Mechanisms, Therapeutics and Future Directions. <i>Journal of Clinical Medicine</i> , <b>2020</b> , 9,	5.1	22
106	P2 Receptors as Therapeutic Targets in the Salivary Gland: From Physiology to Dysfunction. <i>Frontiers in Pharmacology</i> , <b>2020</b> , 11, 222	5.6	7
105	ATP7A delivers copper to the lysyl oxidase family of enzymes and promotes tumorigenesis and metastasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 6836-6841	11.5	47
104	P2X7 receptor deletion suppresses radiation-induced hyposalivation. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2019</b> , 316, R687-R696	3.2	13
103	Purinergic signaling in Alzheimer's disease. <i>Brain Research Bulletin</i> , <b>2019</b> , 151, 25-37	3.9	14
102	Requirement for CD40/CD40L Interactions for Development of Autoimmunity Differs Depending on Specific Checkpoint and Costimulatory Pathways. <i>ImmunoHorizons</i> , <b>2018</b> , 2, 54-66	2.7	6
101	P2X7 receptor antagonism prevents IL-1 $\beta$ release from salivary epithelial cells and reduces inflammation in a mouse model of autoimmune exocrinopathy. <i>Journal of Biological Chemistry</i> , <b>2017</b> , 292, 16626-16637	5.4	44
100	Host and Pathogen Copper-Transporting P-Type ATPases Function Antagonistically during Salmonella Infection. <i>Infection and Immunity</i> , <b>2017</b> , 85,	3.7	39
99	P2Y receptor modulates shear stress-induced cell alignment and actin stress fibers in human umbilical vein endothelial cells. <i>Cellular and Molecular Life Sciences</i> , <b>2017</b> , 74, 731-746	10.3	19
98	New Murine Model of Early Onset Autoimmune Thyroid Disease/Hypothyroidism and Autoimmune Exocrinopathy of the Salivary Gland. <i>Journal of Immunology</i> , <b>2016</b> , 197, 2119-30	5.3	10

97	The P2Y2 receptor mediates uptake of matrix-retained and aggregated low density lipoprotein in primary vascular smooth muscle cells. <i>Atherosclerosis</i> , <b>2016</b> , 252, 128-135	3.1	12
96	Purinergic receptors as potential therapeutic targets in Alzheimer's disease. <i>Neuropharmacology</i> , <b>2016</b> , 104, 169-79	5.5	61
95	Phytochemicals and botanical extracts regulate NF- $\kappa$ B and Nrf2/ARE reporter activities in DI TNC1 astrocytes. <i>Neurochemistry International</i> , <b>2016</b> , 97, 49-56	4.4	29
94	P2Y receptors in Alzheimer's disease. <i>Biology of the Cell</i> , <b>2015</b> , 107, 1-21	3.5	27
93	Beneficial effects of dietary EGCG and voluntary exercise on behavior in an Alzheimer's disease mouse model. <i>Journal of Alzheimer's Disease</i> , <b>2015</b> , 44, 561-72	4.3	88
92	X-linked spinal muscular atrophy in mice caused by autonomous loss of ATP7A in the motor neuron. <i>Journal of Pathology</i> , <b>2015</b> , 236, 241-50	9.4	23
91	Autonomous requirements of the Menkes disease protein in the nervous system. <i>American Journal of Physiology - Cell Physiology</i> , <b>2015</b> , 309, C660-8	5.4	14
90	Increased Expression of TGF- $\beta$ Signaling Components in a Mouse Model of Fibrosis Induced by Submandibular Gland Duct Ligation. <i>PLoS ONE</i> , <b>2015</b> , 10, e0123641	3.7	27
89	Highly potent and selective ectonucleotide pyrophosphatase/phosphodiesterase I inhibitors based on an adenosine 5'-( $\alpha$ -thio- $\beta$ -methylene)triphosphate scaffold. <i>Journal of Medicinal Chemistry</i> , <b>2014</b> , 57, 4677-91	8.3	29
88	P2Y2 nucleotide receptor activation enhances the aggregation and self-organization of dispersed salivary epithelial cells. <i>American Journal of Physiology - Cell Physiology</i> , <b>2014</b> , 307, C83-96	5.4	11
87	Loss of P2Y $\alpha$ nucleotide receptors enhances early pathology in the TgCRND8 mouse model of Alzheimer's disease. <i>Molecular Neurobiology</i> , <b>2014</b> , 49, 1031-42	6.2	44
86	The P2Y Receptor Interacts with VE-Cadherin and VEGF Receptor-2 to Regulate Rac1 Activity in Endothelial Cells. <i>Journal of Biomedical Science and Engineering</i> , <b>2014</b> , 7, 1105-1121	0.7	9
85	Up-regulation and activation of the P2Y(2) nucleotide receptor mediate neurite extension in IL-1 $\beta$ treated mouse primary cortical neurons. <i>Journal of Neurochemistry</i> , <b>2013</b> , 125, 885-96	6	29
84	The P2Y2 receptor mediates uptake of matrix-retained and aggregated low-density lipoprotein in primary smooth muscle cells. <i>FASEB Journal</i> , <b>2013</b> , 27, 373.6	0.9	
83	Boranophosphate isoster controls P2Y-receptor subtype selectivity and metabolic stability of dinucleoside polyphosphate analogues. <i>Journal of Medicinal Chemistry</i> , <b>2012</b> , 55, 437-48	8.3	22
82	Coupling of P2Y receptors to G proteins and other signaling pathways. <i>Environmental Sciences Europe</i> , <b>2012</b> , 1, 789-803	5	110
81	Identification of a promising drug candidate for the treatment of type 2 diabetes based on a P2Y(1) receptor agonist. <i>Journal of Medicinal Chemistry</i> , <b>2012</b> , 55, 7623-35	8.3	14
80	P2 receptors for extracellular nucleotides in the central nervous system: role of P2X7 and P2Y $\alpha$ receptor interactions in neuroinflammation. <i>Molecular Neurobiology</i> , <b>2012</b> , 46, 96-113	6.2	58

79	Neuroprotective roles of the P2Y(2) receptor. <i>Purinergic Signalling</i> , <b>2012</b> , 8, 559-78	3.8	37
78	Nucleotides released from A $\beta$ -treated microglial cells increase cell migration and A $\beta$ -uptake through P2Y $_1$ -receptor activation. <i>Journal of Neurochemistry</i> , <b>2012</b> , 121, 228-38	6	54
77	P2X7 receptor activation induces inflammatory responses in salivary gland epithelium. <i>American Journal of Physiology - Cell Physiology</i> , <b>2012</b> , 303, C790-801	5.4	43
76	P2Y receptors in the mammalian nervous system: pharmacology, ligands and therapeutic potential. <i>CNS and Neurological Disorders - Drug Targets</i> , <b>2012</b> , 11, 722-38	2.6	29
75	Conditional knockout of the Menkes disease copper transporter demonstrates its critical role in embryogenesis. <i>PLoS ONE</i> , <b>2012</b> , 7, e43039	3.7	24
74	Advances in the understanding of mammalian copper transporters. <i>Advances in Nutrition</i> , <b>2011</b> , 2, 129-37	10	115
73	Pro-inflammatory cytokines and lipopolysaccharide induce changes in cell morphology, and upregulation of ERK1/2, iNOS and sPLA $_2$ expression in astrocytes and microglia. <i>Journal of Neuroinflammation</i> , <b>2011</b> , 8, 121	10.1	114
72	Prolonged exposure of cortical neurons to oligomeric amyloid- $\beta$ impairs NMDA receptor function via NADPH oxidase-mediated ROS production: protective effect of green tea (-)-epigallocatechin-3-gallate. <i>ASN Neuro</i> , <b>2011</b> , 3, e00050	5.3	62
71	Altered microglial copper homeostasis in a mouse model of Alzheimer's disease. <i>Journal of Neurochemistry</i> , <b>2010</b> , 114, 1630-8	6	63
70	P2Y2 nucleotide receptors mediate metalloprotease-dependent phosphorylation of epidermal growth factor receptor and ErbB3 in human salivary gland cells. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 7545-55	5.4	40
69	Rat parotid gland cell differentiation in three-dimensional culture. <i>Tissue Engineering - Part C: Methods</i> , <b>2010</b> , 16, 1135-44	2.9	30
68	A novel insulin secretagogue based on a dinucleoside polyphosphate scaffold. <i>Journal of Medicinal Chemistry</i> , <b>2010</b> , 53, 2472-81	8.3	15
67	2-MeS-beta,gamma-CCL2-ATP is a potent agent for reducing intraocular pressure. <i>Journal of Medicinal Chemistry</i> , <b>2010</b> , 53, 3305-19	8.3	14
66	Targeting NADPH oxidase and phospholipases A2 in Alzheimer's disease. <i>Molecular Neurobiology</i> , <b>2010</b> , 41, 73-86	6.2	34
65	P2Y2 nucleotide receptor-mediated responses in brain cells. <i>Molecular Neurobiology</i> , <b>2010</b> , 41, 356-66	6.2	60
64	The P2Y2 Nucleotide Receptor in Vascular Inflammation and Angiogenesis <b>2010</b> , 57-72		2
63	P2Y2 receptor transcription is increased by NF-kappa B and stimulates cyclooxygenase-2 expression and PGE2 released by intestinal epithelial cells. <i>Journal of Immunology</i> , <b>2009</b> , 183, 4521-9	5.3	50
62	Development of a novel transgenic rat overexpressing the P2Y(2) nucleotide receptor using a lentiviral vector. <i>Journal of Vascular Research</i> , <b>2009</b> , 46, 447-58	1.9	9

61	Interleukin-1beta enhances nucleotide-induced and alpha-secretase-dependent amyloid precursor protein processing in rat primary cortical neurons via up-regulation of the P2Y(2) receptor. <i>Journal of Neurochemistry</i> , <b>2009</b> , 109, 1300-10	6	50
60	Identification of hydrolytically stable and selective P2Y(1) receptor agonists. <i>European Journal of Medicinal Chemistry</i> , <b>2009</b> , 44, 1525-36	6.8	24
59	P2Y2 nucleotide receptor activation up-regulates vascular cell adhesion molecule-1 [corrected] expression and enhances lymphocyte adherence to a human submandibular gland cell line. <i>Molecular Immunology</i> , <b>2008</b> , 45, 65-75	4.3	31
58	Proinflammatory cytokines tumor necrosis factor-alpha and interferon-gamma alter tight junction structure and function in the rat parotid gland Par-C10 cell line. <i>American Journal of Physiology - Cell Physiology</i> , <b>2008</b> , 295, C1191-201	5.4	91
57	Binding of the P2Y2 nucleotide receptor to filamin A regulates migration of vascular smooth muscle cells. <i>Circulation Research</i> , <b>2008</b> , 102, 581-8	15.7	50
56	P2 receptors in atherosclerosis and postangioplasty restenosis. <i>Purinergic Signalling</i> , <b>2007</b> , 3, 153-62	3.8	11
55	The P2Y2 nucleotide receptor requires interaction with alpha v integrins to access and activate G12. <i>Journal of Cell Science</i> , <b>2007</b> , 120, 1654-62	5.3	62
54	Differential coupling of the P2Y1 receptor to Galpha14 and Galphaq/11 proteins during the development of the rat salivary gland. <i>Archives of Oral Biology</i> , <b>2006</b> , 51, 359-70	2.8	15
53	International Union of Pharmacology LVIII: update on the P2Y G protein-coupled nucleotide receptors: from molecular mechanisms and pathophysiology to therapy. <i>Pharmacological Reviews</i> , <b>2006</b> , 58, 281-341	22.5	996
52	P2 receptors in health and disease. <i>Biotechnology and Genetic Engineering Reviews</i> , <b>2006</b> , 22, 171-95	4.1	7
51	P2 receptors in atherosclerosis and postangioplasty restenosis. <i>Purinergic Signalling</i> , <b>2006</b> , 2, 471-80	3.8	11
50	P2 receptors: intracellular signaling. <i>Pflugers Archiv European Journal of Physiology</i> , <b>2006</b> , 452, 552-62	4.6	185
49	The recently orphanized GPR80 (GPR99) proposed to be the P2Y15 receptor is not a genuine P2Y receptor. <i>Trends in Pharmacological Sciences</i> , <b>2005</b> , 26, 8-9	13.2	40
48	Phospholipase A2 in astrocytes: responses to oxidative stress, inflammation, and G protein-coupled receptor agonists. <i>Molecular Neurobiology</i> , <b>2005</b> , 31, 27-41	6.2	85
47	Mechanisms for inhibition of P2 receptors signaling in neural cells. <i>Molecular Neurobiology</i> , <b>2005</b> , 31, 65-79	6.2	19
46	Molecular determinants of P2Y2 nucleotide receptor function: implications for proliferative and inflammatory pathways in astrocytes. <i>Molecular Neurobiology</i> , <b>2005</b> , 31, 169-83	6.2	69
45	P2Y nucleotide receptor interaction with alpha integrin mediates astrocyte migration. <i>Journal of Neurochemistry</i> , <b>2005</b> , 95, 630-40	6	82
44	P2Y2 nucleotide receptor up-regulation in submandibular gland cells from the NOD.B10 mouse model of Sjögren's syndrome. <i>Archives of Oral Biology</i> , <b>2005</b> , 50, 533-40	2.8	44

43	P2X(7) nucleotide receptors mediate caspase-8/9/3-dependent apoptosis in rat primary cortical neurons. <i>Purinergic Signalling</i> , <b>2005</b> , 1, 337-47	3.8	49
42	Agonist-induced phosphorylation and desensitization of the P2Y2 nucleotide receptor. <i>Molecular and Cellular Biochemistry</i> , <b>2005</b> , 280, 35-45	4.2	38
41	Modulation of endothelial cell migration by extracellular nucleotides: involvement of focal adhesion kinase and phosphatidylinositol 3-kinase-mediated pathways. <i>Thrombosis and Haemostasis</i> , <b>2005</b> , 93, 735-42	7	87
40	The P2Y2 nucleotide receptor interacts with alphav integrins to activate Go and induce cell migration. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 39050-7	5.4	88
39	P2Y2 nucleotide receptors enhance alpha-secretase-dependent amyloid precursor protein processing. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 18696-702	5.4	99
38	The P2Y2 nucleotide receptor mediates vascular cell adhesion molecule-1 expression through interaction with VEGF receptor-2 (KDR/Flk-1). <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 35679-86	5.4	111
37	Cloning, up-regulation, and mitogenic role of porcine P2Y2 receptor in coronary artery smooth muscle cells. <i>Molecular Pharmacology</i> , <b>2004</b> , 66, 1265-74	4.3	49
36	Src homology 3 binding sites in the P2Y2 nucleotide receptor interact with Src and regulate activities of Src, proline-rich tyrosine kinase 2, and growth factor receptors. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 8212-8	5.4	132
35	P2Y receptors activate neuroprotective mechanisms in astrocytic cells. <i>Journal of Neurochemistry</i> , <b>2004</b> , 91, 119-32	6	86
34	P2X7 receptors stimulate AKT phosphorylation in astrocytes. <i>British Journal of Pharmacology</i> , <b>2004</b> , 141, 1106-17	8.6	103
33	P2X7 nucleotide receptor activation enhances IFN gamma-induced type II nitric oxide synthase activity in BV-2 microglial cells. <i>Journal of Neurochemistry</i> , <b>2003</b> , 87, 344-52	6	76
32	Characterization of the UDP-glucose receptor (re-named here the P2Y14 receptor) adds diversity to the P2Y receptor family. <i>Trends in Pharmacological Sciences</i> , <b>2003</b> , 24, 52-5	13.2	351
31	The P2Y2 nucleotide receptor mediates UTP-induced vascular cell adhesion molecule-1 expression in coronary artery endothelial cells. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 24960-5	5.4	89
30	Mechanisms of P2X7 receptor-mediated ERK1/2 phosphorylation in human astrocytoma cells. <i>American Journal of Physiology - Cell Physiology</i> , <b>2003</b> , 284, C571-81	5.4	91
29	Role of PKC and MAPK in cytosolic PLA2 phosphorylation and arachadonic acid release in primary murine astrocytes. <i>Journal of Neurochemistry</i> , <b>2002</b> , 83, 259-70	6	102
28	Functional P2Y2 nucleotide receptors mediate uridine 5'Triphosphate-induced intimal hyperplasia in collared rabbit carotid arteries. <i>Circulation</i> , <b>2002</b> , 106, 2720-6	16.7	100
27	P2Y(2) nucleotide receptor signaling in human monocytic cells: activation, desensitization and coupling to mitogen-activated protein kinases. <i>Journal of Cellular Physiology</i> , <b>2001</b> , 187, 196-208	7	52
26	An RGD sequence in the P2Y(2) receptor interacts with alpha(V)beta(3) integrins and is required for G(o)-mediated signal transduction. <i>Journal of Cell Biology</i> , <b>2001</b> , 153, 491-501	7.3	137



25	Mechanisms of agonist-dependent and -independent desensitization of a recombinant P2Y2 nucleotide receptor. <i>Molecular and Cellular Biochemistry</i> , <b>2000</b> , 205, 115-23	4.2	43
24	Differential agonist-induced desensitization of P2Y2 nucleotide receptors by ATP and UTP. <i>Molecular and Cellular Biochemistry</i> , <b>2000</b> , 206, 75-89	4.2	26
23	Extracellular UTP stimulates electrogenic bicarbonate secretion across CFTR knockout gallbladder epithelium. <i>American Journal of Physiology - Renal Physiology</i> , <b>2000</b> , 279, G132-8	5.1	26
22	Desensitization of P2Y2 receptor-activated transepithelial anion secretion. <i>American Journal of Physiology - Cell Physiology</i> , <b>1999</b> , 276, C777-87	5.4	43
21	P2Y receptors in the nervous system: molecular studies of a P2Y2 receptor subtype from NG108-15 neuroblastoma x glioma hybrid cells. <i>Progress in Brain Research</i> , <b>1999</b> , 120, 33-43	2.9	14
20	Salivary gland nucleotide receptors. Changes in expression and activity related to development and tissue damage. <i>Annals of the New York Academy of Sciences</i> , <b>1998</b> , 842, 70-5	6.5	20
19	P2Y nucleotide receptors in the immune system: Signaling by a P2Y2 receptor in U937 monocytes. <i>Drug Development Research</i> , <b>1998</b> , 45, 222-228	5.1	16
18	Structural basis of agonist-induced desensitization and sequestration of the P2Y2 nucleotide receptor. Consequences of truncation of the C terminus. <i>Journal of Biological Chemistry</i> , <b>1998</b> , 273, 29437-44	5.4	70
17	The Cloning and Expression of G Protein-Coupled P2Y Nucleotide Receptors <b>1998</b> , 63-79		12
16	P2 Receptor Modeling and Identification of Ligand Binding Sites <b>1998</b> , 135-166		7
15	PPADS and suramin as antagonists at cloned P2Y- and P2U-purinoceptors. <i>British Journal of Pharmacology</i> , <b>1996</b> , 118, 704-10	8.6	120
14	Cloned and transfected P2Y4 receptors: characterization of a suramin and PPADS-insensitive response to UTP. <i>British Journal of Pharmacology</i> , <b>1996</b> , 119, 1301-3	8.6	79
13	P2U purinoceptors: cDNA cloning, signal transduction mechanisms and structure-function analysis. <i>Novartis Foundation Symposium</i> , <b>1996</b> , 198, 193-204; discussion 204-7		3
12	Cloning, expression, and chromosomal localization of the human uridine nucleotide receptor gene. <i>Journal of Biological Chemistry</i> , <b>1995</b> , 270, 30845-8	5.4	156
11	Site-directed mutagenesis of P2U purinoceptors. Positively charged amino acids in transmembrane helices 6 and 7 affect agonist potency and specificity. <i>Journal of Biological Chemistry</i> , <b>1995</b> , 270, 4185-8	5.4	116
10	Signal transduction pathways coupled to a P2U receptor in neuroblastoma x glioma (NG108-15) cells. <i>Journal of Neurochemistry</i> , <b>1993</b> , 60, 1115-25	6	58
9	Mechanisms by which extracellular ATP and UTP stimulate the release of prostacyclin from bovine pulmonary artery endothelial cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>1992</b> , 1134, 61-72	4.9	65
8	Ionic dependence of the extracellular ATP-induced permeabilization of transformed mouse fibroblasts: role of plasma membrane activities that regulate cell volume. <i>Journal of Cellular Physiology</i> , <b>1989</b> , 138, 375-83	7	16

7	Permeabilization of transformed mouse fibroblasts by 3FO-(4-benzoyl)benzoyl adenosine 5Triphosphate and the desensitization of the process. <i>Journal of Cellular Physiology</i> , <b>1989</b> , 139, 109-15	7	43
6	Permeabilizing mammalian cells to macromolecules. <i>Methods in Enzymology</i> , <b>1989</b> , 171, 857-69	1.7	11
5	Permeability change in transformed mouse fibroblasts caused by ionophores, and its relationship to membrane permeabilization by exogenous ATP. <i>Journal of Membrane Biology</i> , <b>1985</b> , 83, 251-9	2.3	26
4	Permeabilization of transformed cells in culture by external ATP. <i>Journal of Membrane Biology</i> , <b>1985</b> , 86, 189-96	2.3	83
3	On the role of protein phosphorylation in the ATP-dependent permeabilization of transformed cells. <i>Journal of Cellular Physiology</i> , <b>1984</b> , 118, 124-32	7	19
2	Cellular responses to external ATP which precede an increase in nucleotide permeability in transformed cells. <i>Journal of Cellular Physiology</i> , <b>1984</b> , 119, 211-9	7	56
1	The role of calcium ions in the permeability changes produced by external ATP in transformed 3T3 cells. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1984</b> , 775, 381-8	3.8	19