Gary A Weisman

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/10408162/publications.pdf

Version: 2024-02-01

116 papers	7,792 citations	36303 51 h-index	53230 85 g-index
117 all docs	117 docs citations	117 times ranked	6622 citing authors

#	Article	IF	Citations
1	Early Dry Eye Disease Onset in a NOD.H-2^{h4} Mouse Model of SjÃ¶gren's Syndrome. , 2022, 63, 18.		1
2	Evolution, correlation, structural impact and dynamics of emerging SARS-CoV-2 variants. Computational and Structural Biotechnology Journal, 2021, 19, 3799-3809.	4.1	24
3	P2Y2 receptor antagonism resolves sialadenitis and improves salivary flow in a SjÃ¶grenâ€™s syndrome mouse model. Archives of Oral Biology, 2021, 124, 105067.	1.8	5
4	P2Y receptors for extracellular nucleotides: Contributions to cancer progression and therapeutic implications. Biochemical Pharmacology, 2021, 187, 114406.	4.4	29
5	Indomethacin Treatment Post-irradiation Improves Mouse Parotid Salivary Gland Function via Modulation of Prostaglandin E2 Signaling. Frontiers in Bioengineering and Biotechnology, 2021, 9, 697671.	4.1	9
6	Radiation-Induced Salivary Gland Dysfunction: Mechanisms, Therapeutics and Future Directions. Journal of Clinical Medicine, 2020, 9, 4095.	2.4	76
7	Cell Sheets Restore Secretory Function in Wounded Mouse Submandibular Glands. Cells, 2020, 9, 2645.	4.1	4
8	Metallothioneins regulate ATP7A trafficking and control cell viability during copper deficiency and excess. Scientific Reports, 2020, 10, 7856.	3.3	29
9	P2Y2 receptors mediate nucleotide-induced EGFR phosphorylation and stimulate proliferation and tumorigenesis of head and neck squamous cell carcinoma cell lines. Oral Oncology, 2020, 109, 104808.	1.5	20
10	P2 Receptors as Therapeutic Targets in the Salivary Gland: From Physiology to Dysfunction. Frontiers in Pharmacology, 2020, 11, 222.	3.5	18
11	ATP7A delivers copper to the lysyl oxidase family of enzymes and promotes tumorigenesis and metastasis. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 6836-6841.	7.1	117
12	P2X7 receptor deletion suppresses Î³-radiation-induced hyposalivation. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2019, 316, R687-R696.	1.8	25
13	Purinergic signaling in Alzheimerâ€™s disease. Brain Research Bulletin, 2019, 151, 25-37.	3.0	20
14	Requirement for CD40/CD40L Interactions for Development of Autoimmunity Differs Depending on Specific Checkpoint and Costimulatory Pathways. ImmunoHorizons, 2018, 2, 54-66.	1.8	14
15	P2X7 receptor antagonism prevents IL-1Î² release from salivary epithelial cells and reduces inflammation in a mouse model of autoimmune exocrinopathy. Journal of Biological Chemistry, 2017, 292, 16626-16637.	3.4	67
16	Host and Pathogen Copper-Transporting P-Type ATPases Function Antagonistically during Salmonella Infection. Infection and Immunity, 2017, 85, .	2.2	54
17	P2Y2 receptor modulates shear stress-induced cell alignment and actin stress fibers in human umbilical vein endothelial cells. Cellular and Molecular Life Sciences, 2017, 74, 731-746.	5.4	24
18	Phytochemicals and botanical extracts regulate NF-ÎºB and Nrf2/ARE reporter activities in DI TNC1 astrocytes. Neurochemistry International, 2016, 97, 49-56.	3.8	35

#	Article	IF	Citations
19	New Murine Model of Early Onset Autoimmune Thyroid Disease/Hypothyroidism and Autoimmune Exocrinopathy of the Salivary Gland. Journal of Immunology, 2016, 197, 2119-2130.	0.8	13
20	The P2Y 2 receptor mediates uptake of matrix-retained and aggregated low density lipoprotein in primary vascular smooth muscle cells. Atherosclerosis, 2016, 252, 128-135.	0.8	14
21	Purinergic receptors as potential therapeutic targets in Alzheimer's disease. Neuropharmacology, 2016, 104, 169-179.	4.1	91
22	Beneficial Effects of Dietary EGCG and Voluntary Exercise on Behavior in an Alzheimer's Disease Mouse Model. Journal of Alzheimer's Disease, 2015, 44, 561-572.	2.6	114
23	Xâ€linked spinal muscular atrophy in mice caused by autonomous loss of ATP7A in the motor neuron. Journal of Pathology, 2015, 236, 241-250.	4.5	27
24	Autonomous requirements of the Menkes disease protein in the nervous system. American Journal of Physiology - Cell Physiology, 2015, 309, C660-C668.	4.6	18
25	P2Y receptors in Alzheimer's disease. Biology of the Cell, 2015, 107, 1-21.	2.0	38
26	Increased Expression of TGF-Î² Signaling Components in a Mouse Model of Fibrosis Induced by Submandibular Gland Duct Ligation. PLoS ONE, 2015, 10, e0123641.	2.5	45
27	P2Y₂nucleotide receptor activation enhances the aggregation and self-organization of dispersed salivary epithelial cells. American Journal of Physiology - Cell Physiology, 2014, 307, C83-C96.	4.6	13
28	Why do male mice spit soluble enzymes that hydrolyze extracellular nucleotides? Focus on â€œProstatic acid phosphatase is the main acid phosphatase with 5â€²-ectonucleotidase activity in the male mouse saliva and regulates salivationâ€• American Journal of Physiology - Cell Physiology, 2014, 306, C997-C998.	4.6	1
29	Loss of P2Y2 Nucleotide Receptors Enhances Early Pathology in the TgCRND8 Mouse Model of Alzheimer's Disease. Molecular Neurobiology, 2014, 49, 1031-1042.	4.0	55
30	Highly Potent and Selective Ectonucleotide Pyrophosphatase/Phosphodiesterase I Inhibitors Based on an Adenosine 5â€²-(Î± or Î³)-Thio-(Î±,Î²- or Î²,Î³)-methylenetriphosphate Scaffold. Journal of Medicinal Chemistry, 2014, 57, 4677-4691.	6.4	41
31	The P2Y₂ Receptor Interacts with VE-Cadherin and VEGF Receptor-2 to Regulate Rac1 Activity in Endothelial Cells. Journal of Biomedical Science and Engineering, 2014, 07, 1105-1121.	0.4	13
32	Upâ€regulation and activation of the P2Y₂ nucleotide receptor mediate neurite extension in <scp>IL</scp>â€1Î²â€treated mouse primary cortical neurons. Journal of Neurochemistry, 2013, 125, 885-896.	3.9	37
33	The P2Y2 receptor mediates uptake of matrixâ€retained and aggregated lowâ€density lipoprotein in primary smooth muscle cells. FASEB Journal, 2013, 27, 373.6.	0.5	0
34	P2X7 receptor activation induces inflammatory responses in salivary gland epithelium. American Journal of Physiology - Cell Physiology, 2012, 303, C790-C801.	4.6	53
35	P2Y Receptors in the Mammalian Nervous System: Pharmacology, Ligands and Therapeutic Potential. CNS and Neurological Disorders - Drug Targets, 2012, 11, 722-738.	1.4	40
36	Boranophosphate Isoster Controls P2Y-Receptor Subtype Selectivity and Metabolic Stability of Dinucleoside Polyphosphate Analogues. Journal of Medicinal Chemistry, 2012, 55, 437-448.	6.4	24

#	Article	IF	Citations
37	Coupling of P2Y receptors to G proteins and other signaling pathways. Environmental Sciences Europe, 2012, 1, 789-803.	5.5	163
38	Identification of a Promising Drug Candidate for the Treatment of Type 2 Diabetes Based on a P2Y₁ Receptor Agonist. Journal of Medicinal Chemistry, 2012, 55, 7623-7635.	6.4	16
39	P2 Receptors for Extracellular Nucleotides in the Central Nervous System: Role of P2X7 and P2Y2 Receptor Interactions in Neuroinflammation. Molecular Neurobiology, 2012, 46, 96-113.	4.0	76
40	Neuroprotective roles of the P2Y2 receptor. Purinergic Signalling, 2012, 8, 559-578.	2.2	45
41	Nucleotides released from AÎ²_{1â€“42}â€treated microglial cells increase cell migration and AÎ²_{1â€“42} uptake through P2Y₂ receptor activation. Journal of Neurochemistry, 2012, 121, 228-238.	3.9	67
42	Conditional Knockout of the Menkes Disease Copper Transporter Demonstrates Its Critical Role in Embryogenesis. PLoS ONE, 2012, 7, e43039.	2.5	24
43	Advances in the Understanding of Mammalian Copper Transporters. Advances in Nutrition, 2011, 2, 129-137.	6.4	136
44	Pro-inflammatory cytokines and lipopolysaccharide induce changes in cell morphology, and upregulation of ERK1/2, iNOS and sPLA2-IIA expression in astrocytes and microglia. Journal of Neuroinflammation, 2011, 8, 121.	7.2	136
45	Targeting NADPH Oxidase and Phospholipases A2 in Alzheimerâ€™s Disease. Molecular Neurobiology, 2010, 41, 73-86.	4.0	38
46	P2Y2 Nucleotide Receptor-Mediated Responses in Brain Cells. Molecular Neurobiology, 2010, 41, 356-366.	4.0	68
47	Altered microglial copper homeostasis in a mouse model of Alzheimerâ€™s disease. Journal of Neurochemistry, 2010, 114, 1630-1638.	3.9	78
48	P2Y2 Nucleotide Receptors Mediate Metalloprotease-dependent Phosphorylation of Epidermal Growth Factor Receptor and ErbB3 in Human Salivary Gland Cells. Journal of Biological Chemistry, 2010, 285, 7545-7555.	3.4	45
49	Rat Parotid Gland Cell Differentiation in Three-Dimensional Culture. Tissue Engineering - Part C: Methods, 2010, 16, 1135-1144.	2.1	51
50	Prolonged Exposure of Cortical Neurons to Oligomeric Amyloid-Î² Impairs NMDA Receptor Function Via NADPH Oxidase-Mediated ROS Production: Protective Effect of Green Tea (-)-Epigallocatechin-3-Gallate. ASN Neuro, 2010, 3, AN20100025.	2.7	81
51	A Novel Insulin Secretagogue Based on a Dinucleoside Polyphosphate Scaffold. Journal of Medicinal Chemistry, 2010, 53, 2472-2481.	6.4	16
52	2-MeS-Î²,Î³-CCl₂-ATP is a Potent Agent for Reducing Intraocular Pressure. Journal of Medicinal Chemistry, 2010, 53, 3305-3319.	6.4	16
53	The P2Y2 Nucleotide Receptor in Vascular Inflammation and Angiogenesis. , 2010, , 57-72.		2
54	P2Y 2 Receptor Transcription Is Increased by NF-ÎºB and Stimulates Cyclooxygenase-2 Expression and PGE2 Released by Intestinal Epithelial Cells. Journal of Immunology, 2009, 183, 4521-4529.	0.8	58

#	Article	IF	Citations
55	Development of a Novel Transgenic Rat Overexpressing the P2Y₂ Nucleotide Receptor Using a Lentiviral Vector. Journal of Vascular Research, 2009, 46, 447-458.	1.4	10
56	Interleukinâ€1Î² enhances nucleotideâ€induced and Î±â€secretaseâ€dependent amyloid precursor protein processing in rat primary cortical neurons via upâ€regulation of the P2Y₂ receptor. Journal of Neurochemistry, 2009, 109, 1300-1310.	3.9	61
57	Identification of hydrolytically stable and selective P2Y1 receptor agonists. European Journal of Medicinal Chemistry, 2009, 44, 1525-1536.	5.5	25
58	P2Y2 nucleotide receptor activation up-regulates vascular cell adhesion molecular-1 expression and enhances lymphocyte adherence to a human submandibular gland cell line. Molecular Immunology, 2008, 45, 65-75.	2.2	35
59	Proinflammatory cytokines tumor necrosis factor-Î± and interferon-Î³ alter tight junction structure and function in the rat parotid gland Par-C10 cell line. American Journal of Physiology - Cell Physiology, 2008, 295, C1191-C1201.	4.6	103
60	Binding of the P2Y ₂ Nucleotide Receptor to Filamin A Regulates Migration of Vascular Smooth Muscle Cells. Circulation Research, 2008, 102, 581-588.	4.5	61
61	The P2Y2 nucleotide receptor requires interaction with Î±v integrins to access and activate G12. Journal of Cell Science, 2007, 120, 1654-1662.	2.0	73
62	P2 receptors in atherosclerosis and postangioplasty restenosis. Purinergic Signalling, 2007, 3, 153-162.	2.2	17
63	P2 Receptors in Health and Disease. Biotechnology and Genetic Engineering Reviews, 2006, 22, 171-196.	6.2	9
64	P2 receptors in atherosclerosis and postangioplasty restenosis. Purinergic Signalling, 2006, 2, 471-480.	2.2	12
65	P2 receptors: intracellular signaling. Pflugers Archiv European Journal of Physiology, 2006, 452, 552-562.	2.8	207
66	Differential coupling of the P2Y1 receptor to GÎ±14 and GÎ±q/11 proteins during the development of the rat salivary gland. Archives of Oral Biology, 2006, 51, 359-370.	1.8	16
67	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.	16.0	1,147
68	Phospholipase A₂ in Astrocytes: Responses to Oxidative Stress, Inflammation, and G Protein-Coupled Receptor Agonists. Molecular Neurobiology, 2005, 31, 027-042.	4.0	101
69	Mechanisms for Inhibition of P2 Receptors Signaling in Neural Cells. Molecular Neurobiology, 2005, 31, 065-080.	4.0	19
70	Molecular Determinants of P2Y₂ Nucleotide Receptor Function: Implications for Proliferative and Inflammatory Pathways in Astrocytes. Molecular Neurobiology, 2005, 31, 169-184.	4.0	78
71	P2Y2 nucleotide receptor interaction with alphaV integrin mediates astrocyte migration. Journal of Neurochemistry, 2005, 95, 630-640.	3.9	90
72	P2Y2 nucleotide receptor up-regulation in submandibular gland cells from the NOD.B10 mouse model of SjÃ¶gren's syndrome. Archives of Oral Biology, 2005, 50, 533-540.	1.8	50

#	Article	IF	Citations
73	P2X7 nucleotide receptors mediate caspase-8/9/3-dependent apoptosis in rat primary cortical neurons. Purinergic Signalling, 2005, 1, 337-347.	2.2	62
74	Agonist-induced phosphorylation and desensitization of the P2Y2 nucleotide receptor. Molecular and Cellular Biochemistry, 2005, 280, 35-45.	3.1	42
75	Modulation of endothelial cell migration by extracellular nucleotides. Thrombosis and Haemostasis, 2005, 93, 735-742.	3.4	95
76	The P2Y2 Nucleotide Receptor Interacts with Î±v Integrins to Activate Go and Induce Cell Migration. Journal of Biological Chemistry, 2005, 280, 39050-39057.	3.4	100
77	P2Y2 Nucleotide Receptors Enhance Î±-Secretase-dependent Amyloid Precursor Protein Processing. Journal of Biological Chemistry, 2005, 280, 18696-18702.	3.4	110
78	The recently deorphanized GPR80 (GPR99) proposed to be the P2Y15 receptor is not a genuine P2Y receptor. Trends in Pharmacological Sciences, 2005, 26, 8-9.	8.7	46
79	The P2Y2 Nucleotide Receptor Mediates Vascular Cell Adhesion Molecule-1 Expression through Interaction with VEGF Receptor-2 (KDR/Flk-1). Journal of Biological Chemistry, 2004, 279, 35679-35686.	3.4	133
80	Cloning, Up-Regulation, and Mitogenic Role of Porcine P2Y2 Receptor in Coronary Artery Smooth Muscle Cells. Molecular Pharmacology, 2004, 66, 1265-1274.	2.3	55
81	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. Journal of Biological Chemistry, 2004, 279, 8212-8218.	3.4	146
82	P2Y₂ receptors activate neuroprotective mechanisms in astrocytic cells. Journal of Neurochemistry, 2004, 91, 119-132.	3.9	91
83	P2X₇ receptors stimulate AKT phosphorylation in astrocytes. British Journal of Pharmacology, 2004, 141, 1106-1117.	5.4	112
84	P2X7 nucleotide receptor activation enhances IFNÎ³-induced type II nitric oxide synthase activity in BV-2 microglial cells. Journal of Neurochemistry, 2003, 87, 344-352.	3.9	89
85	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.	8.7	382
86	The P2Y2 Nucleotide Receptor Mediates UTP-induced Vascular Cell Adhesion Molecule-1 Expression in Coronary Artery Endothelial Cells. Journal of Biological Chemistry, 2003, 278, 24960-24965.	3.4	105
87	Mechanisms of P2X₇receptor-mediated ERK1/2 phosphorylation in human astrocytoma cells. American Journal of Physiology - Cell Physiology, 2003, 284, C571-C581.	4.6	99
88	Functional P2Y ₂ Nucleotide Receptors Mediate Uridine 5â€²-Triphosphateâ€“Induced Intimal Hyperplasia in Collared Rabbit Carotid Arteries. Circulation, 2002, 106, 2720-2726.	1.6	112
89	Role of PKC and MAPK in cytosolic PLA₂ phosphorylation and arachadonic acid release in primary murine astrocytes. Journal of Neurochemistry, 2002, 83, 259-270.	3.9	115
90	P2Y2nucleotide receptor signaling in human monocytic cells: Activation, desensitization and coupling to mitogen-activated protein kinases. Journal of Cellular Physiology, 2001, 187, 196-208.	4.1	58

#	Article	IF	Citations
91	An Rgd Sequence in the P2y2 Receptor Interacts with Î±VÎ²3 Integrins and Is Required for Go-Mediated Signal Transduction. Journal of Cell Biology, 2001, 153, 491-502.	5.2	150
92	Mechanisms of agonist-dependent and -independent desensitization of a recombinant P2Y2 nucleotide receptor. Molecular and Cellular Biochemistry, 2000, 205, 115-123.	3.1	46
93	Differential agonist-induced desensitization of P2Y2 nucleotide receptors by ATP and UTP. Molecular and Cellular Biochemistry, 2000, 206, 75-89.	3.1	28
94	Extracellular UTP stimulates electrogenic bicarbonate secretion across CFTR knockout gallbladder epithelium. American Journal of Physiology - Renal Physiology, 2000, 279, G132-G138.	3.4	29
95	Desensitization of P2Y₂receptor-activated transepithelial anion secretion. American Journal of Physiology - Cell Physiology, 1999, 276, C777-C787.	4.6	49
96	Chapter 4 P2Y receptors in the nervous system: Molecular studies of a P2Y2 receptor subtype from NG108â€“15 neuroblastoma x glioma hybrid cells. Progress in Brain Research, 1999, 120, 33-43.	1.4	15
97	Salivary Gland Nucleotide Receptors: Changes in Expression and Activity Related to Development and Tissue Damagea,. Annals of the New York Academy of Sciences, 1998, 842, 70-75.	3.8	21
98	P2Y nucleotide receptors in the immune system: Signaling by a P2Y2 receptor in U937 monocytes. Drug Development Research, 1998, 45, 222-228.	2.9	16
99	Structural Basis of Agonist-induced Desensitization and Sequestration of the P2Y2 Nucleotide Receptor. Journal of Biological Chemistry, 1998, 273, 29437-29444.	3.4	80
100	The Cloning and Expression of G Protein-Coupled P2Y Nucleotide Receptors. , 1998, , 63-79.		14
101	P2 Receptor Modeling and Identification of Ligand Binding Sites. , 1998, , 135-166.		8
102	PPADS and suramin as antagonists at cloned P_{2Y}â€•and P_{2U}â€purinoceptors. British Journal of Pharmacology, 1996, 118, 704-710.	5.4	131
103	Cloned and transfected P2Y₄ receptors: characterization of a suramin and PPADSâ€insensitive response to UTP. British Journal of Pharmacology, 1996, 119, 1301-1303.	5.4	85
104	P2U Purinoceptors: cDNA Cloning, Signal Transduction Mechanisms and Structureâ€“Function Analysis. Novartis Foundation Symposium, 1996, 198, 193-207.	1.1	4
105	Cloning, Expression, and Chromosomal Localization of the Human Uridine Nucleotide Receptor Gene. Journal of Biological Chemistry, 1995, 270, 30845-30848.	3.4	172
106	Site-directed Mutagenesis of P2U Purinoceptors. Journal of Biological Chemistry, 1995, 270, 4185-4188.	3.4	131
107	Signal Transduction Pathways Coupled to a P2UReceptor in Neuroblastoma Ã— Glioma (NG108-15) Cells. Journal of Neurochemistry, 1993, 60, 1115-1125.	3.9	60
108	Mechanisms by which extracellular ATP and UTP stimulate the release of prostacyclin from bovine pulmonary artery endothelial cells. Biochimica Et Biophysica Acta - Molecular Cell Research, 1992, 1134, 61-72.	4.1	67

#	Article	IF	Citations
109	Ionic dependence of the extracellular ATP-induced permeabilization of transformed mouse fibroblasts: Role of plasma membrane activities that regulate cell volume. Journal of Cellular Physiology, 1989, 138, 375-383.	4.1	16
110	Permeabilization of transformed mouse fibroblasts by 3?-O-(4-benzoyl)benzoyl adenosine 5?-triphosphate and the desensitization of the process. Journal of Cellular Physiology, 1989, 139, 109-115.	4.1	45
111	[43] Permeabilizing mammalian cells to macromolecules. Methods in Enzymology, 1989, 171, 857-869.	1.0	15
112	Permeability change in transformed mouse fibroblasts caused by ionophores, and its relationship to membrane permeabilization by exogenous ATP. Journal of Membrane Biology, 1985, 83, 251-259.	2.1	29
113	Permeabilization of transformed cells in culture by external ATP. Journal of Membrane Biology, 1985, 86, 189-196.	2.1	87
114	On the role of protein phosphorylation in the ATP-dependent permeabilization of transformed cells. Journal of Cellular Physiology, 1984, 118, 124-132.	4.1	20
115	Cellular responses to external ATP which precede an increase in nucleotide permeability in transformed cells. Journal of Cellular Physiology, 1984, 119, 211-219.	4.1	60
116	The role of calcium ions in the permeability changes produced by external ATP in transformed 3T3 cells. Biochimica Et Biophysica Acta - Biomembranes, 1984, 775, 381-388.	2.6	21