Laurie Erb

List of Publications by Citations

57 papers	3,163 citations	36 h-index	56 g-index
58 ext. papers	3,453 ext. citations	5.7 avg, IF	4.59 L-index

#	Paper	IF	Citations
57	P2 receptors: intracellular signaling. *Pflugers Archiv European Journal of Physiology*, **2006**, 452, 552-62	4.6	185
56	Cloning, expression, and chromosomal localization of the human uridine nucleotide receptor gene. *Journal of Biological Chemistry*, **1995**, 270, 30845-8	5.4	156
55	An RGD sequence in the P2Y(2) receptor interacts with alpha(V)beta(3) integrins and is required for G(o)-mediated signal transduction. *Journal of Cell Biology*, **2001**, 153, 491-501	7.3	137
54	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, 8212-8	5.4	132
53	PPADS and suramin as antagonists at cloned P2Y- and P2U-purinoceptors. *British Journal of Pharmacology*, **1996**, 118, 704-10	8.6	120
52	Site-directed mutagenesis of P2U purinoceptors. Positively charged amino acids in transmembrane helices 6 and 7 affect agonist potency and specificity. *Journal of Biological Chemistry*, **1995**, 270, 4185-8	5.4	116
51	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, 35679-86	5.4	111
50	Coupling of P2Y receptors to G proteins and other signaling pathways. *Environmental Sciences Europe*, **2012**, 1, 789-803	5	110
49	Functional P2Y2 nucleotide receptors mediate uridine 5'-triphosphate-induced intimal hyperplasia in collared rabbit carotid arteries. *Circulation*, **2002**, 106, 2720-6	16.7	100
48	P2Y2 nucleotide receptors enhance alpha-secretase-dependent amyloid precursor protein processing. *Journal of Biological Chemistry*, **2005**, 280, 18696-702	5.4	99
47	Proinflammatory cytokines tumor necrosis factor-alpha and interferon-gamma alter tight junction structure and function in the rat parotid gland Par-C10 cell line. *American Journal of Physiology - Cell Physiology*, **2008**, 295, C1191-201	5.4	91
46	The P2Y2 nucleotide receptor mediates UTP-induced vascular cell adhesion molecule-1 expression in coronary artery endothelial cells. *Journal of Biological Chemistry*, **2003**, 278, 24960-5	5.4	89
45	The P2Y2 nucleotide receptor interacts with alphav integrins to activate Go and induce cell migration. *Journal of Biological Chemistry*, **2005**, 280, 39050-7	5.4	88
44	Modulation of endothelial cell migration by extracellular nucleotides: involvement of focal adhesion kinase and phosphatidylinositol 3-kinase-mediated pathways. *Thrombosis and Haemostasis* , **2005**, 93, 735-42	7	87
43	P2Y receptors activate neuroprotective mechanisms in astrocytic cells. *Journal of Neurochemistry*, **2004**, 91, 119-32	6	86
42	P2Y nucleotide receptor interaction with alpha integrin mediates astrocyte migration. *Journal of Neurochemistry*, **2005**, 95, 630-40	6	82
41	Cloned and transfected P2Y4 receptors: characterization of a suramin and PPADS-insensitive response to UTP. *British Journal of Pharmacology*, **1996**, 119, 1301-3	8.6	79

40	Structural basis of agonist-induced desensitization and sequestration of the P2Y2 nucleotide receptor. Consequences of truncation of the C terminus. *Journal of Biological Chemistry*, **1998**, 273, 29437-44	5.4	70
39	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	4.9	65
38	Regulated catalysis of extracellular nucleotides by vascular CD39/ENTPD1 is required for liver regeneration. *Gastroenterology*, **2008**, 135, 1751-60	13.3	64
37	The P2Y2 nucleotide receptor requires interaction with alpha v integrins to access and activate G12. *Journal of Cell Science*, **2007**, 120, 1654-62	5.3	62
36	Purinergic receptors as potential therapeutic targets in Alzheimer's disease. *Neuropharmacology*, **2016**, 104, 169-79	5.5	61
35	P2Y2 nucleotide receptor-mediated responses in brain cells. *Molecular Neurobiology*, **2010**, 41, 356-66	6.2	60
34	P2 receptors for extracellular nucleotides in the central nervous system: role of P2X7 and P2Y receptor interactions in neuroinflammation. *Molecular Neurobiology*, **2012**, 46, 96-113	6.2	58
33	Nucleotides released from A treated microglial cells increase cell migration and A uptake through P2Y receptor activation. *Journal of Neurochemistry*, **2012**, 121, 228-38	6	54
32	P2Y(2) nucleotide receptor signaling in human monocytic cells: activation, desensitization and coupling to mitogen-activated protein kinases. *Journal of Cellular Physiology*, **2001**, 187, 196-208	7	52
31	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. *Journal of Neurochemistry*, **2009**, 109, 1300-10	6	50
30	Binding of the P2Y2 nucleotide receptor to filamin A regulates migration of vascular smooth muscle cells. *Circulation Research*, **2008**, 102, 581-8	15.7	50
29	P2X(7) nucleotide receptors mediate caspase-8/9/3-dependent apoptosis in rat primary cortical neurons. *Purinergic Signalling*, **2005**, 1, 337-47	3.8	49
28	P2X7 receptor antagonism prevents IL-1 release from salivary epithelial cells and reduces inflammation in a mouse model of autoimmune exocrinopathy. *Journal of Biological Chemistry*, **2017**, 292, 16626-16637	5.4	44
27	Loss of P2Y nucleotide receptors enhances early pathology in the TgCRND8 mouse model of Alzheimer's disease. *Molecular Neurobiology*, **2014**, 49, 1031-42	6.2	44
26	P2X7 receptor activation induces inflammatory responses in salivary gland epithelium. *American Journal of Physiology - Cell Physiology*, **2012**, 303, C790-801	5.4	43
25	Mechanisms of agonist-dependent and -independent desensitization of a recombinant P2Y2 nucleotide receptor. *Molecular and Cellular Biochemistry*, **2000**, 205, 115-23	4.2	43
24	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, 109-15	7	43
23	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, 7545-55	5.4	40

22	Neuroprotective roles of the P2Y(2) receptor. *Purinergic Signalling*, **2012**, 8, 559-78	3.8	37
21	Up-regulation and activation of the P2Y(2) nucleotide receptor mediate neurite extension in IL-1 treated mouse primary cortical neurons. *Journal of Neurochemistry*, **2013**, 125, 885-96	6	29
20	P2Y receptors in the mammalian nervous system: pharmacology, ligands and therapeutic potential. *CNS and Neurological Disorders - Drug Targets*, **2012**, 11, 722-38	2.6	29
19	P2Y receptors in Alzheimer's disease. *Biology of the Cell*, **2015**, 107, 1-21	3.5	27
18	Increased Expression of TGF- Signaling Components in a Mouse Model of Fibrosis Induced by Submandibular Gland Duct Ligation. *PLoS ONE*, **2015**, 10, e0123641	3.7	27
17	P2Y 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	10.3	19
16	Mechanisms for inhibition of P2 receptors signaling in neural cells. *Molecular Neurobiology*, **2005**, 31, 65-79	6.2	19
15	P2Y2 receptors induced cell surface redistribution of alpha(v) integrin is required for activation of ERK 1/2 in U937 cells. *Journal of Cellular Physiology*, **2007**, 211, 410-22	7	17
14	P2Y nucleotide receptors in the immune system: Signaling by a P2Y2 receptor in U937 monocytes. *Drug Development Research*, **1998**, 45, 222-228	5.1	16
13	Differential coupling of the P2Y1 receptor to Galpha14 and Galphaq/11 proteins during the development of the rat salivary gland. *Archives of Oral Biology*, **2006**, 51, 359-70	2.8	15
12	Purinergic signaling in Alzheimer's disease. *Brain Research Bulletin*, **2019**, 151, 25-37	3.9	14
11	The Cloning and Expression of G Protein-Coupled P2Y Nucleotide Receptors **1998**, 63-79		12
10	P2Y2 nucleotide receptor activation enhances the aggregation and self-organization of dispersed salivary epithelial cells. *American Journal of Physiology - Cell Physiology*, **2014**, 307, C83-96	5.4	11
9	P2 receptors in atherosclerosis and postangioplasty restenosis. *Purinergic Signalling*, **2007**, 3, 153-62	3.8	11
8	P2 receptors in atherosclerosis and postangioplasty restenosis. *Purinergic Signalling*, **2006**, 2, 471-80	3.8	11
7	Low-affinity binding in to P2YR mediates force-dependent integrin activation during hantavirus infection. *Molecular Biology of the Cell*, **2017**, 28, 2887-2903	3.5	10
6	The P2Y Receptor Interacts with VE-Cadherin and VEGF Receptor-2 to Regulate Rac1 Activity in Endothelial Cells. *Journal of Biomedical Science and Engineering*, **2014**, 7, 1105-1121	0.7	9
5	P2 receptors in health and disease. *Biotechnology and Genetic Engineering Reviews*, **2006**, 22, 171-95	4.1	7

List of Publications

4	Classification of P2 purinoceptors. Not all G protein-coupled P2 purinoceptors can be classed as P2Y. *Trends in Pharmacological Sciences*, **1994**, 15, 280-1	13.2	7
3	P2 Receptor Modeling and Identification of Ligand Binding Sites **1998**, 135-166		7
2	P2Y 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	4.4	6
1	P2U purinoceptors: cDNA cloning, signal transduction mechanisms and structure-function analysis. *Novartis Foundation Symposium*, **1996**, 198, 193-204; discussion 204-7		3