

Laurie Erb

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	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> , 2020 , 109, 104808	4.4	6
56	Purinergic signaling in Alzheimer's disease. <i>Brain Research Bulletin</i> , 2019 , 151, 25-37	3.9	14
55	Low-affinity binding in to P2YR mediates force-dependent integrin activation during hantavirus infection. <i>Molecular Biology of the Cell</i> , 2017 , 28, 2887-2903	3.5	10
54	P2X7 receptor antagonism prevents IL-1 β release from salivary epithelial cells and reduces inflammation in a mouse model of autoimmune exocrinopathy. <i>Journal of Biological Chemistry</i> , 2017 , 292, 16626-16637	5.4	44
53	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> , 2017 , 74, 731-746	10.3	19
52	Purinergic receptors as potential therapeutic targets in Alzheimer's disease. <i>Neuropharmacology</i> , 2016 , 104, 169-79	5.5	61
51	P2Y receptors in Alzheimer's disease. <i>Biology of the Cell</i> , 2015 , 107, 1-21	3.5	27
50	Increased Expression of TGF- β Signaling Components in a Mouse Model of Fibrosis Induced by Submandibular Gland Duct Ligation. <i>PLoS ONE</i> , 2015 , 10, e0123641	3.7	27
49	P2Y2 nucleotide receptor activation enhances the aggregation and self-organization of dispersed salivary epithelial cells. <i>American Journal of Physiology - Cell Physiology</i> , 2014 , 307, C83-96	5.4	11
48	Loss of P2Y β nucleotide receptors enhances early pathology in the TgCRND8 mouse model of Alzheimer's disease. <i>Molecular Neurobiology</i> , 2014 , 49, 1031-42	6.2	44
47	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> , 2014 , 7, 1105-1121	0.7	9
46	Up-regulation and activation of the P2Y(2) nucleotide receptor mediate neurite extension in IL-1 β treated mouse primary cortical neurons. <i>Journal of Neurochemistry</i> , 2013 , 125, 885-96	6	29
45	Coupling of P2Y receptors to G proteins and other signaling pathways. <i>Environmental Sciences Europe</i> , 2012 , 1, 789-803	5	110
44	P2 receptors for extracellular nucleotides in the central nervous system: role of P2X7 and P2Y β receptor interactions in neuroinflammation. <i>Molecular Neurobiology</i> , 2012 , 46, 96-113	6.2	58
43	Neuroprotective roles of the P2Y(2) receptor. <i>Purinergic Signalling</i> , 2012 , 8, 559-78	3.8	37
42	Nucleotides released from A β treated microglial cells increase cell migration and A β uptake through P2Y β receptor activation. <i>Journal of Neurochemistry</i> , 2012 , 121, 228-38	6	54
41	P2X7 receptor activation induces inflammatory responses in salivary gland epithelium. <i>American Journal of Physiology - Cell Physiology</i> , 2012 , 303, C790-801	5.4	43

40	P2Y receptors in the mammalian nervous system: pharmacology, ligands and therapeutic potential. <i>CNS and Neurological Disorders - Drug Targets</i> , 2012 , 11, 722-38	2.6	29
39	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> , 2010 , 285, 7545-55	5.4	40
38	P2Y2 nucleotide receptor-mediated responses in brain cells. <i>Molecular Neurobiology</i> , 2010 , 41, 356-66	6.2	60
37	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> , 2009 , 109, 1300-10	6	50
36	Regulated catalysis of extracellular nucleotides by vascular CD39/ENTPD1 is required for liver regeneration. <i>Gastroenterology</i> , 2008 , 135, 1751-60	13.3	64
35	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> , 2008 , 295, C1191-201	5.4	91
34	Binding of the P2Y2 nucleotide receptor to filamin A regulates migration of vascular smooth muscle cells. <i>Circulation Research</i> , 2008 , 102, 581-8	15.7	50
33	P2Y2 receptors induced cell surface redistribution of alpha(v) integrin is required for activation of ERK 1/2 in U937 cells. <i>Journal of Cellular Physiology</i> , 2007 , 211, 410-22	7	17
32	P2 receptors in atherosclerosis and postangioplasty restenosis. <i>Purinergic Signalling</i> , 2007 , 3, 153-62	3.8	11
31	The P2Y2 nucleotide receptor requires interaction with alpha v integrins to access and activate G12. <i>Journal of Cell Science</i> , 2007 , 120, 1654-62	5.3	62
30	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> , 2006 , 51, 359-70	2.8	15
29	P2 receptors in health and disease. <i>Biotechnology and Genetic Engineering Reviews</i> , 2006 , 22, 171-95	4.1	7
28	P2 receptors in atherosclerosis and postangioplasty restenosis. <i>Purinergic Signalling</i> , 2006 , 2, 471-80	3.8	11
27	P2 receptors: intracellular signaling. <i>Pflugers Archiv European Journal of Physiology</i> , 2006 , 452, 552-62	4.6	185
26	Mechanisms for inhibition of P2 receptors signaling in neural cells. <i>Molecular Neurobiology</i> , 2005 , 31, 65-79	6.2	19
25	P2Y nucleotide receptor interaction with alpha integrin mediates astrocyte migration. <i>Journal of Neurochemistry</i> , 2005 , 95, 630-40	6	82
24	P2X(7) nucleotide receptors mediate caspase-8/9/3-dependent apoptosis in rat primary cortical neurons. <i>Purinergic Signalling</i> , 2005 , 1, 337-47	3.8	49
23	Modulation of endothelial cell migration by extracellular nucleotides: involvement of focal adhesion kinase and phosphatidylinositol 3-kinase-mediated pathways. <i>Thrombosis and Haemostasis</i> , 2005 , 93, 735-42	7	87

22	The P2Y2 nucleotide receptor interacts with alphav integrins to activate Go and induce cell migration. <i>Journal of Biological Chemistry</i> , 2005 , 280, 39050-7	5.4	88
21	P2Y2 nucleotide receptors enhance alpha-secretase-dependent amyloid precursor protein processing. <i>Journal of Biological Chemistry</i> , 2005 , 280, 18696-702	5.4	99
20	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> , 2004 , 279, 35679-86	5.4	111
19	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> , 2004 , 279, 8212-8	5.4	132
18	P2Y receptors activate neuroprotective mechanisms in astrocytic cells. <i>Journal of Neurochemistry</i> , 2004 , 91, 119-32	6	86
17	The P2Y2 nucleotide receptor mediates UTP-induced vascular cell adhesion molecule-1 expression in coronary artery endothelial cells. <i>Journal of Biological Chemistry</i> , 2003 , 278, 24960-5	5.4	89
16	Functional P2Y2 nucleotide receptors mediate uridine 5Utriphosphate-induced intimal hyperplasia in collared rabbit carotid arteries. <i>Circulation</i> , 2002 , 106, 2720-6	16.7	100
15	P2Y(2) nucleotide receptor signaling in human monocytic cells: activation, desensitization and coupling to mitogen-activated protein kinases. <i>Journal of Cellular Physiology</i> , 2001 , 187, 196-208	7	52
14	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> , 2001 , 153, 491-501	7.3	137
13	Mechanisms of agonist-dependent and -independent desensitization of a recombinant P2Y2 nucleotide receptor. <i>Molecular and Cellular Biochemistry</i> , 2000 , 205, 115-23	4.2	43
12	P2Y nucleotide receptors in the immune system: Signaling by a P2Y2 receptor in U937 monocytes. <i>Drug Development Research</i> , 1998 , 45, 222-228	5.1	16
11	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> , 1998 , 273, 29437-44	5.4	70
10	The Cloning and Expression of G Protein-Coupled P2Y Nucleotide Receptors 1998 , 63-79		12
9	P2 Receptor Modeling and Identification of Ligand Binding Sites 1998 , 135-166		7
8	PPADS and suramin as antagonists at cloned P2Y- and P2U-purinoceptors. <i>British Journal of Pharmacology</i> , 1996 , 118, 704-10	8.6	120
7	Cloned and transfected P2Y4 receptors: characterization of a suramin and PPADS-insensitive response to UTP. <i>British Journal of Pharmacology</i> , 1996 , 119, 1301-3	8.6	79
6	P2U purinoceptors: cDNA cloning, signal transduction mechanisms and structure-function analysis. <i>Novartis Foundation Symposium</i> , 1996 , 198, 193-204; discussion 204-7		3
5	Cloning, expression, and chromosomal localization of the human uridine nucleotide receptor gene. <i>Journal of Biological Chemistry</i> , 1995 , 270, 30845-8	5.4	156

- 4 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
- 3 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
- 2 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
- 1 Permeabilization of transformed mouse fibroblasts by 3 β O-(4-benzoyl)benzoyl adenosine 5 β triphosphate and the desensitization of the process. *Journal of Cellular Physiology*, **1989**, 139, 109-15 7 43