

# Laurie Erb

## List of Publications by Year in descending order

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57  
papers

3,725  
citations

94269

37  
h-index

155451

55  
g-index

58  
all docs

58  
docs citations

58  
times ranked

3064  
citing authors

#	ARTICLE	IF	CITATIONS
1	P2 receptors: intracellular signaling. Pflugers Archiv European Journal of Physiology, 2006, 452, 552-562.	1.3	207
2	Cloning, Expression, and Chromosomal Localization of the Human Uridine Nucleotide Receptor Gene. Journal of Biological Chemistry, 1995, 270, 30845-30848.	1.6	172
3	Coupling of P2Y receptors to G proteins and other signaling pathways. Environmental Sciences Europe, 2012, 1, 789-803.	2.6	163
4	An Rgd Sequence in the P2y2 Receptor Interacts with $\alpha$ <sub>v</sub> $\beta$ <sub>3</sub> Integrins and Is Required for Go-Mediated Signal Transduction. Journal of Cell Biology, 2001, 153, 491-502.	2.3	150
5	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.	1.6	146
6	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.	1.6	133
7	Site-directed Mutagenesis of P2U Purinoceptors. Journal of Biological Chemistry, 1995, 270, 4185-4188.	1.6	131
8	PPADS and suramin as antagonists at cloned P <sub>2Y</sub> and P <sub>2U</sub> purinoceptors. British Journal of Pharmacology, 1996, 118, 704-710.	2.7	131
9	Functional P2Y <sub>2</sub> Nucleotide Receptors Mediate Uridine 5'-Triphosphate-Induced Intimal Hyperplasia in Collared Rabbit Carotid Arteries. Circulation, 2002, 106, 2720-2726.	1.6	112
10	P2Y2 Nucleotide Receptors Enhance $\beta$ -Secretase-dependent Amyloid Precursor Protein Processing. Journal of Biological Chemistry, 2005, 280, 18696-18702.	1.6	110
11	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.	1.6	105
12	Proinflammatory cytokines tumor necrosis factor- $\alpha$ and interferon- $\beta$ 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.	2.1	103
13	The P2Y2 Nucleotide Receptor Interacts with $\alpha$ <sub>v</sub> Integrins to Activate Go and Induce Cell Migration. Journal of Biological Chemistry, 2005, 280, 39050-39057.	1.6	100
14	Modulation of endothelial cell migration by extracellular nucleotides. Thrombosis and Haemostasis, 2005, 93, 735-742.	1.8	95
15	P2Y2 receptors activate neuroprotective mechanisms in astrocytic cells. Journal of Neurochemistry, 2004, 91, 119-132.	2.1	91
16	Purinergic receptors as potential therapeutic targets in Alzheimer's disease. Neuropharmacology, 2016, 104, 169-179.	2.0	91
17	P2Y2 nucleotide receptor interaction with $\alpha$ <sub>v</sub> integrin mediates astrocyte migration. Journal of Neurochemistry, 2005, 95, 630-640.	2.1	90
18	Cloned and transfected P2Y <sub>4</sub> receptors: characterization of a suramin and PPADS-insensitive response to UTP. British Journal of Pharmacology, 1996, 119, 1301-1303.	2.7	85

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19	Structural Basis of Agonist-induced Desensitization and Sequestration of the P2Y2 Nucleotide Receptor. <i>Journal of Biological Chemistry</i> , 1998, 273, 29437-29444.	1.6	80
20	P2 Receptors for Extracellular Nucleotides in the Central Nervous System: Role of P2X7 and P2Y2 Receptor Interactions in Neuroinflammation. <i>Molecular Neurobiology</i> , 2012, 46, 96-113.	1.9	76
21	The P2Y2 nucleotide receptor requires interaction with $\beta$ integrins to access and activate G12. <i>Journal of Cell Science</i> , 2007, 120, 1654-1662.	1.2	73
22	Regulated Catalysis of Extracellular Nucleotides by Vascular CD39/ENTPD1 Is Required for Liver Regeneration. <i>Gastroenterology</i> , 2008, 135, 1751-1760.	0.6	71
23	P2Y2 Nucleotide Receptor-Mediated Responses in Brain Cells. <i>Molecular Neurobiology</i> , 2010, 41, 356-366.	1.9	68
24	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> , 1992, 1134, 61-72.	1.9	67
25	Nucleotides released from $\text{ATP}^{42}$ -treated microglial cells increase cell migration and $\text{ATP}^{42}$ uptake through P2Y <sub>2</sub> receptor activation. <i>Journal of Neurochemistry</i> , 2012, 121, 228-238.	2.1	67
26	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> , 2017, 292, 16626-16637.	1.6	67
27	P2X7 nucleotide receptors mediate caspase-8/9/3-dependent apoptosis in rat primary cortical neurons. <i>Purinergic Signalling</i> , 2005, 1, 337-347.	1.1	62
28	Binding of the P2Y <sub>2</sub> Nucleotide Receptor to Filamin A Regulates Migration of Vascular Smooth Muscle Cells. <i>Circulation Research</i> , 2008, 102, 581-588.	2.0	61
29	Interleukin-1 $\beta$ enhances nucleotide-induced and $\text{Ca}^{2+}$ -secretase-dependent amyloid precursor protein processing in rat primary cortical neurons via up-regulation of the P2Y <sub>2</sub> receptor. <i>Journal of Neurochemistry</i> , 2009, 109, 1300-1310.	2.1	61
30	P2Y2 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.	2.0	58
31	Loss of P2Y2 Nucleotide Receptors Enhances Early Pathology in the TgCRND8 Mouse Model of Alzheimer's Disease. <i>Molecular Neurobiology</i> , 2014, 49, 1031-1042.	1.9	55
32	P2X7 receptor activation induces inflammatory responses in salivary gland epithelium. <i>American Journal of Physiology - Cell Physiology</i> , 2012, 303, C790-C801.	2.1	53
33	Mechanisms of agonist-dependent and -independent desensitization of a recombinant P2Y2 nucleotide receptor. <i>Molecular and Cellular Biochemistry</i> , 2000, 205, 115-123.	1.4	46
34	Permeabilization of transformed mouse fibroblasts by 3'-O-(4-benzoyl)benzoyl adenosine 5'-triphosphate and the desensitization of the process. <i>Journal of Cellular Physiology</i> , 1989, 139, 109-115.	2.0	45
35	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, 7545-7555.	1.6	45
36	Neuroprotective roles of the P2Y2 receptor. <i>Purinergic Signalling</i> , 2012, 8, 559-578.	1.1	45

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37	Increased Expression of TGF- $\beta$ 2 Signaling Components in a Mouse Model of Fibrosis Induced by Submandibular Gland Duct Ligation. PLoS ONE, 2015, 10, e0123641.	1.1	45
38	P2Y Receptors in the Mammalian Nervous System: Pharmacology, Ligands and Therapeutic Potential. CNS and Neurological Disorders - Drug Targets, 2012, 11, 722-738.	0.8	40
39	P2Y receptors in Alzheimer's disease. Biology of the Cell, 2015, 107, 1-21.	0.7	38
40	Up-regulation and activation of the P2Y <sub>2</sub> nucleotide receptor mediate neurite extension in IL-1 $\beta$ -treated mouse primary cortical neurons. Journal of Neurochemistry, 2013, 125, 885-896.	2.1	37
41	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.	2.4	24
42	Purinergic signaling in Alzheimer's disease. Brain Research Bulletin, 2019, 151, 25-37.	1.4	20
43	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.	0.8	20
44	Mechanisms for Inhibition of P2 Receptors Signaling in Neural Cells. Molecular Neurobiology, 2005, 31, 065-080.	1.9	19
45	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, 410-422.	2.0	19
46	Low-affinity binding in cis to P2Y <sub>2</sub> R mediates force-dependent integrin activation during hantavirus infection. Molecular Biology of the Cell, 2017, 28, 2887-2903.	0.9	18
47	P2 receptors in atherosclerosis and postangioplasty restenosis. Purinergic Signalling, 2007, 3, 153-162.	1.1	17
48	P2Y nucleotide receptors in the immune system: Signaling by a P2Y2 receptor in U937 monocytes. Drug Development Research, 1998, 45, 222-228.	1.4	16
49	Differential coupling of the P2Y1 receptor to G $\beta$ 14 and G $\beta$ q/11 proteins during the development of the rat salivary gland. Archives of Oral Biology, 2006, 51, 359-370.	0.8	16
50	The Cloning and Expression of G Protein-Coupled P2Y Nucleotide Receptors. , 1998, , 63-79.		14
51	P2Y <sub>2</sub> nucleotide receptor activation enhances the aggregation and self-organization of dispersed salivary epithelial cells. American Journal of Physiology - Cell Physiology, 2014, 307, C83-C96.	2.1	13
52	The P2Y <sub>2</sub> 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.	0.2	13
53	P2 receptors in atherosclerosis and postangioplasty restenosis. Purinergic Signalling, 2006, 2, 471-480.	1.1	12
54	P2 Receptors in Health and Disease. Biotechnology and Genetic Engineering Reviews, 2006, 22, 171-196.	2.4	9

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55	Classification of P2 purinoceptors. Trends in Pharmacological Sciences, 1994, 15, 280.	4.0	8
56	P2 Receptor Modeling and Identification of Ligand Binding Sites. , 1998, , 135-166.		8
57	P2U Purinoceptors: cDNA Cloning, Signal Transduction Mechanisms and Structureâ€“Function Analysis. Novartis Foundation Symposium, 1996, 198, 193-207.	1.2	4