

Peter Polgar

List of Publications by Year in descending order

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62
papers

1,589
citations

257101

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docs citations

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times ranked

1397
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanisms regulating the expression, self-maintenance, and signaling-function of the bradykinin B2 and B1 receptors. <i>Journal of Cellular Physiology</i> , 2002, 193, 275-286.	2.0	152
2	Regulation of lysyl oxidase and cyclooxygenase expression in human lung fibroblasts: interactions among TGF- β 2, IL-1 β 2, and prostaglandin E. <i>Journal of Cellular Biochemistry</i> , 1996, 62, 411-417.	1.2	75
3	Strategic Plan for Lung Vascular Research. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2010, 182, 1554-1562.	2.5	73
4	Stimulation of prostaglandin synthesis by ascorbic acid via hydrogen peroxide formation. <i>Prostaglandins</i> , 1980, 19, 693-700.	1.2	70
5	Self regulation of growth by human diploid fibroblasts via prostaglandin production. <i>FEBS Letters</i> , 1977, 79, 69-72.	1.3	58
6	Prostaglandin production by type II alveolar epithelial cells. <i>Lipids and Lipid Metabolism</i> , 1979, 572, 502-509.	2.6	57
7	Effects of Intracellular Tyrosine Residue Mutation and Carboxyl Terminus Truncation on Signal Transduction and Internalization of the Rat Bradykinin B2 Receptor. <i>Journal of Biological Chemistry</i> , 1997, 272, 14638-14642.	1.6	56
8	Roles for interleukin-1 β 2, phorbol ester and a post-transcriptional regulator in the control of bradykinin B1 receptor gene expression. <i>Biochemical Journal</i> , 1998, 330, 361-366.	1.7	55
9	The influence of gamma radiation on arachidonic acid release and prostacyclin synthesis. <i>Prostaglandins</i> , 1983, 25, 783-791.	1.2	51
10	Motif Mutation of Bradykinin B2 Receptor Second Intracellular Loop and Proximal C Terminus Is Critical for Signal Transduction, Internalization, and Resensitization. <i>Journal of Biological Chemistry</i> , 1998, 273, 33548-33555.	1.6	42
11	Characterization of human cyclooxygenase 2 gene promoter localization of a TGF- β 2 response element. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1997, 1350, 287-292.	2.4	38
12	Phosphorylation inactivation of endothelial nitric oxide synthesis in pulmonary arterial hypertension. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2016, 310, L1199-L1205.	1.3	37
13	Hyperplastic Growth of Pulmonary Artery Smooth Muscle Cells from Subjects with Pulmonary Arterial Hypertension Is Activated through JNK and p38 MAPK. <i>PLoS ONE</i> , 2015, 10, e0123662.	1.1	36
14	Regulation of inducible bradykinin B1 receptor gene expression through absence of internalization and resensitization. <i>Journal of Cellular Biochemistry</i> , 2000, 78, 351-362.	1.2	34
15	The role of adenosine 3 β :5 β -cyclic monophosphate in the division of WI 38 cells. The cellular response to prostaglandin E1 and the effects of an cyclic adenosine 3 β :5 β -cyclic monophosphate analogue and prostaglandin E1 on cell division. <i>Biochemical Journal</i> , 1974, 142, 339-344.	3.2	33
16	Cell growth and the regulation of prostaglandin synthesis. <i>Prostaglandins</i> , 1981, 22, 723-728.	1.2	33
17	Prostaglandin synthesis by cells comprising the calf pulmonary artery. <i>Journal of Cellular Physiology</i> , 1984, 120, 163-168.	2.0	32
18	Plasma membrane associated metabolic parameters and the aging of human diploid fibroblasts. <i>Mechanisms of Ageing and Development</i> , 1978, 7, 151-160.	2.2	31

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19	Genomic Structure of the Human Bradykinin B1 Receptor Gene and Preliminary Characterization of Its Regulatory Regions. <i>Biochemical and Biophysical Research Communications</i> , 1996, 222, 718-725.	1.0	31
20	Role of prostaglandin E2 EP receptors and cAMP in the expression of connective tissue growth factor. <i>Archives of Biochemistry and Biophysics</i> , 2002, 404, 302-308.	1.4	31
21	Altered expression and signal transduction of endothelin-1 receptors in heritable and idiopathic pulmonary arterial hypertension. <i>Journal of Cellular Physiology</i> , 2013, 228, 322-329.	2.0	27
22	Mechanisms in the Transcriptional Regulation of Bradykinin B1 Receptor Gene Expression. <i>Journal of Biological Chemistry</i> , 1998, 273, 10763-10770.	1.6	25
23	Alterations in prostaglandin synthesis during senescence of human lung fibroblasts. <i>Mechanisms of Ageing and Development</i> , 1980, 12, 305-310.	2.2	24
24	A Review: Prostaglandins, Aging, and Blood Vessels. <i>Journal of the American Geriatrics Society</i> , 1987, 35, 239-247.	1.3	24
25	Regulation of lysyl oxidase and cyclooxygenase expression in human lung fibroblasts: interactions among TGF-beta, IL-1 beta, and prostaglandin E. <i>Journal of Cellular Biochemistry</i> , 1996, 62, 411-7.	1.2	24
26	DNA Microarray and Signal Transduction Analysis in Pulmonary Artery Smooth Muscle Cells From Heritable and Idiopathic Pulmonary Arterial Hypertension Subjects. <i>Journal of Cellular Biochemistry</i> , 2015, 116, 386-397.	1.2	23
27	Functional expression of the bradykinin-B2 receptor cDNA in Chinese hamster lung CCL39 fibroblasts. <i>Biochemical and Biophysical Research Communications</i> , 1992, 188, 786-793.	1.0	20
28	The effect of bovine serum albumin on the synthesis of prostaglandin and incorporation of [3H]acetate into platelet-activating factor. <i>Archives of Biochemistry and Biophysics</i> , 1987, 257, 251-258.	1.4	19
29	Interactions of bradykinin, calcium, G-protein and protein kinase in the activation of phospholipase A2 in bovine pulmonary artery endothelial cells. <i>Agents and Actions</i> , 1993, 40, 110-118.	0.7	19
30	Bradykinin B2 receptor signaling: Structural and functional characterization of the C-terminus. <i>Biopolymers</i> , 2005, 80, 367-373.	1.2	19
31	Protein expression by human pulmonary artery smooth muscle cells containing a BMPR2 mutation and the action of ET-1 as determined by proteomic mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2015, 378, 347-359.	0.7	19
32	Posttranscriptional Destabilization of the Bradykinin B1 Receptor Messenger RNA: Cloning and Functional Characterization of the 3' UTR. <i>Molecular Cell Biology Research Communications: MCBRC: Part B of Biochemical and Biophysical Research Communications</i> , 1999, 1, 29-35.	1.7	17
33	Global chimeric exchanges within the intracellular face of the bradykinin B2 receptor with corresponding angiotensin II type Ia receptor regions: Generation of fully functional hybrids showing characteristic signaling of the AT1a receptor. <i>Journal of Cellular Biochemistry</i> , 2002, 85, 809-819.	1.2	16
34	Enhanced bradykinin-stimulated phospholipase C activity in murine embryonic stem cells lacking the G-protein $\beta\gamma$ -subunit. <i>Biochemical Journal</i> , 1997, 327, 803-809.	1.7	15
35	Structural insight into the role of the second intracellular loop of the bradykinin 2 receptor in signaling and internalization. <i>Biopolymers</i> , 2002, 63, 239-246.	1.2	14
36	Angiotensin II type 1 and bradykinin B2 receptors expressed in early stage epithelial cells derived from human embryonic stem cells. <i>Journal of Cellular Physiology</i> , 2007, 211, 816-825.	2.0	14

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37	Unraveling endothelin-1 induced hypercontractility of human pulmonary artery smooth muscle cells from patients with pulmonary arterial hypertension. <i>PLoS ONE</i> , 2018, 13, e0195780.	1.1	14
38	A Cell Permeable Peptide Targeting the Intracellular Loop 2 of Endothelin B Receptor Reduces Pulmonary Hypertension in a Hypoxic Rat Model. <i>PLoS ONE</i> , 2013, 8, e81309.	1.1	14
39	Unsaturated fatty acid effect on cyclic amp levels in human embryo lung fibroblasts. <i>Prostaglandins</i> , 1979, 18, 43-52.	1.2	13
40	Prostaglandin production and cellular aging. <i>Mechanisms of Ageing and Development</i> , 1981, 16, 311-317.	2.2	13
41	Mediator caused induction of a human bradykinin B1 receptor minigene: Participation of c-Jun in the process. <i>Journal of Cellular Biochemistry</i> , 2001, 82, 163-170.	1.2	13
42	Limiting angiotensin II signaling with a cell-penetrating peptide mimicking the second intracellular loop of the angiotensin II type-1 receptor. <i>Chemical Biology and Drug Design</i> , 2010, 76, 70-76.	1.5	13
43	Targeting Receptor Tyrosine Kinases and Their Downstream Signaling with Cell-penetrating Peptides in Human Pulmonary Artery Smooth Muscle and Endothelial Cells. <i>Chemical Biology and Drug Design</i> , 2015, 85, 586-597.	1.5	13
44	Hybrid formation between the intracellular faces of the bradykinin B2 and angiotensin II AT1 receptors and signal transduction. <i>International Immunopharmacology</i> , 2002, 2, 1807-1822.	1.7	12
45	Activation of ERK, JNK, Akt, and G-protein coupled signaling by hybrid angiotensin II AT1/bradykinin B2 receptors expressed in HEK-293 cells. <i>Journal of Cellular Biochemistry</i> , 2007, 101, 192-204.	1.2	12
46	Endothelin-1 activation of ETB receptors leads to a reduced cellular proliferative rate and an increased cellular footprint. <i>Experimental Cell Research</i> , 2012, 318, 1125-1133.	1.2	12
47	CDC2 Is an Important Driver of Vascular Smooth Muscle Cell Proliferation via FOXM1 and PLK1 in Pulmonary Arterial Hypertension. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6943.	1.8	12
48	Role of hydroxyl containing residues in the intracellular region of rat bradykinin B2 receptor in signal transduction, receptor internalization, and resensitization. <i>Journal of Cellular Biochemistry</i> , 2001, 83, 435-447.	1.2	11
49	Participation of PLK1 and FOXM1 in the hyperplastic proliferation of pulmonary artery smooth muscle cells in pulmonary arterial hypertension. <i>PLoS ONE</i> , 2019, 14, e0221728.	1.1	11
50	Effect of prolonged prostaglandin exposure on prostaglandin synthesis by human lung fibroblasts. <i>Prostaglandins</i> , 1984, 28, 717-729.	1.2	9
51	Effect of the G-Protein, G α i2, and G α i3 Subunit Knockdown on Bradykinin-Induced Signal Transduction in Rat-1 Cells. <i>Molecular Cell Biology Research Communications: MCBRC: Part B of Biochemical and Biophysical Research Communications</i> , 1999, 1, 227-236.	1.7	9
52	p53 down-regulates human bradykinin B1 receptor gene expression. <i>Journal of Cellular Biochemistry</i> , 2001, 82, 38-45.	1.2	9
53	Coulombic and Hydrophobic Interactions in the First Intracellular Loop Are Vital for Bradykinin B2 Receptor Ligand Binding and Consequent Signal Transduction. <i>Biochemistry</i> , 2005, 44, 5295-5306.	1.2	9
54	Modulation by bradykinin of angiotensin type 1 receptor-evoked RhoA activation of connective tissue growth factor expression in human lung fibroblasts. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2006, 290, L1291-L1299.	1.3	9

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55	Câ€terminus of ET _A /ET _B receptors regulate endothelinâ€1 signal transmission. Journal of Peptide Science, 2013, 19, 257-262.	0.8	8
56	Chimeric exchanges within the bradykinin B2 receptor intracellular face with the prostaglandin EP2 receptor as the donor: importance of the second intracellular loop for cAMP synthesis. Archives of Biochemistry and Biophysics, 2003, 415, 54-62.	1.4	6
57	K317, R319, and E320 within the proximal C-terminus of the bradykinin B2 receptor form a motif important for phospholipase C and phospholipase A2 but not connective tissue growth factor related signaling. Journal of Cellular Biochemistry, 2004, 92, 547-559.	1.2	6
58	Enhancing and Limiting Endothelinâ€1 Signaling with a Cellâ€penetrating Peptide Mimicking the Third Intracellular Loop of the ETB Receptor. Chemical Biology and Drug Design, 2012, 80, 374-381.	1.5	6
59	Modulating the dysregulated migration of pulmonary arterial hypertensive smooth muscle cells with motif mimicking cell permeable peptides. Current Topics in Peptide and Protein Research, 2015, 16, 1-17.	1.0	5
60	Radiation, Lipid Peroxidation and the Role of Oxygen Radicals in Eicosanoid Metabolism. , 1988, , 119-131.		3
61	Transgenic expression of an altered angiotensin type I AT1 receptor resulting in marked modulation of vascular type I collagen. Journal of Cellular Physiology, 2012, 227, 2013-2021.	2.0	2
62	Regulation of lysyl oxidase and cyclooxygenase expression in human lung fibroblasts: interactions among TGFâ€1 ² , ILâ€1 ² , and prostaglandin E. Journal of Cellular Biochemistry, 1996, 62, 411-417.	1.2	1