Paul A Insel

List of Publications by Year
in descending order

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309 papers	23,238 citations	5876 81 h-index	8835 145 g-index
318 all docs	318 docs citations	318 times ranked	25980 citing authors

#	Article	IF	Citations
1	Experimental design and analysis and their reporting II: updated and simplified guidance for authors and peer reviewers. British Journal of Pharmacology, 2018, 175, 987-993.	2.7	1,122
2	Experimental design and analysis and their reporting: new guidance for publication in <scp>BJP</scp>. British Journal of Pharmacology, 2015, 172, 3461-3471.	2.7	981
3	G Protein-Coupled Receptors as Targets for Approved Drugs: How Many Targets and How Many Drugs?. Molecular Pharmacology, 2018, 93, 251-258.	1.0	825
4	ATP Release Guides Neutrophil Chemotaxis via P2Y2 and A3 Receptors. Science, 2006, 314, 1792-1795.	6.0	756
5	Protein kinase C isozymes and the regulation of diverse cell responses. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2000, 279, L429-L438.	1.3	617
6	A Single Amino Acid Mutation Contributes to Adaptive Beach Mouse Color Pattern. Science, 2006, 313, 101-104.	6.0	616
7	ARRIVE 2.0 and the British Journal of Pharmacology: Updated guidance for 2020. British Journal of Pharmacology, 2020, 177, 3611-3616.	2.7	580
8	REGULATION AND INHIBITION OF PHOSPHOLIPASE A2. Annual Review of Pharmacology and Toxicology, 1999, 39, 175-189.	4.2	560
9	Goals and practicalities of immunoblotting and immunohistochemistry: A guide for submission to the British Journal of Pharmacology. British Journal of Pharmacology, 2018, 175, 407-411.	2.7	519
10	A Model of the Kinetics of Insulin in Man. Journal of Clinical Investigation, 1974, 53, 1481-1492.	3.9	426
11	Interaction of membrane/lipid rafts with the cytoskeleton: Impact on signaling and function. Biochimica Et Biophysica Acta - Biomembranes, 2014, 1838, 532-545.	1.4	420
12	Adrenergic Receptors in Man. New England Journal of Medicine, 1982, 307, 18-29.	13.9	411
13	Caveolae as Organizers of Pharmacologically Relevant Signal Transduction Molecules. Annual Review of Pharmacology and Toxicology, 2008, 48, 359-391.	4.2	399
14	The evolving role of lipid rafts and caveolae in G protein-coupled receptor signaling: implications for molecular pharmacology. British Journal of Pharmacology, 2004, 143, 235-245.	2.7	344
15	Duplications of the neuropeptide receptor gene VIPR2 confer significant risk for schizophrenia. Nature, 2011, 471, 499-503.	13.7	296
16	Basal Release of ATP: An Autocrine-Paracrine Mechanism for Cell Regulation. Science Signaling, 2010, 3, re1.	1.6	292
17	Decreased Beta-Adrenergic Receptors on Polymorphonuclear Leukocytes after Adrenergic Therapy. New England Journal of Medicine, 1978, 299, 933-936.	13.9	265
18	Autocrine regulation of Tâ€cell activation by ATP release and P2X₇receptors. FASEB Journal, 2009, 23, 1685-1693.	0.2	251

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19	Microtubules and Actin Microfilaments Regulate Lipid Raft/Caveolae Localization of Adenylyl Cyclase Signaling Components. Journal of Biological Chemistry, 2006, 281, 26391-26399.	1.6	238
20	Are there multiple imidazoline binding sites?. Trends in Pharmacological Sciences, 1989, 10, 342-344.	4.0	234
21	Receptor Number and Caveolar Co-localization Determine Receptor Coupling Efficiency to Adenylyl Cyclase. Journal of Biological Chemistry, 2001, 276, 42063-42069.	1.6	233
22	Forskolin as a tool for examining adenylyl cyclase expression, regulation, and G protein signaling. Cellular and Molecular Neurobiology, 2003, 23, 305-314.	1.7	226
23	Insulin Control of Glucose Metabolism in Man. Journal of Clinical Investigation, 1975, 55, 1057-1066.	3.9	222
24	RGS-PX1, a GAP for Galpha s and Sorting Nexin in Vesicular Trafficking. Science, 2001, 294, 1939-1942.	6.0	218
25	G-protein-coupled Receptor Signaling Components Localize in Both Sarcolemmal and Intracellular Caveolin-3-associated Microdomains in Adult Cardiac Myocytes. Journal of Biological Chemistry, 2005, 280, 31036-31044.	1.6	195
26	Platelet Function in Essential Thrombocythemia. New England Journal of Medicine, 1978, 299, 505-509.	13.9	192
27	Inhibition of cardiac myofibroblast formation and collagen synthesis by activation and overexpression of adenylyl cyclase. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 437-442.	3.3	191
28	Î± adrenoreceptors but not Î² adrenoreceptors increase in rabbit uterus with oestrogen. Nature, 1977, 270, 624-625.	13.7	187
29	Adrenergic Receptors â€" Evolving Concepts and Clinical Implications. New England Journal of Medicine, 1996, 334, 580-585.	13.9	182
30	A practical guide for transparent reporting of research on natural products in the <i>British Journal of Pharmacology</i>: Reproducibility of natural product research. British Journal of Pharmacology, 2020, 177, 2169-2178.	2.7	177
31	Cyclic AMP is both a proâ€apoptotic and antiâ€apoptotic second messenger. Acta Physiologica, 2012, 204, 277-287.	1.8	171
32	Characterization of Î±2-adrenergic receptors on human platelets using [3H]yohimbine. Biochemical and Biophysical Research Communications, 1980, 97, 1562-1570.	1.0	169
33	Cellular Release of and Response to ATP as Key Determinants of the Set-Point of Signal Transduction Pathways. Journal of Biological Chemistry, 2000, 275, 11735-11739.	1.6	169
34	Mice lacking P2Y 2 receptors have saltâ€resistant hypertension and facilitated renal Na + and water reabsorption. FASEB Journal, 2007, 21, 3717-3726.	0.2	160
35	A second trigeminal <scp>CGRP</scp> receptor: function and expression of the <scp>AMY</scp> ₁ receptor. Annals of Clinical and Translational Neurology, 2015, 2, 595-608.	1.7	158
36	Regulation of intracellular signaling and function by caveolin. FASEB Journal, 2014, 28, 3823-3831.	0.2	157

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37	Impact of GPCRs in clinical medicine: Monogenic diseases, genetic variants and drug targets. Biochimica Et Biophysica Acta - Biomembranes, 2007, 1768, 994-1005.	1.4	151
38	A hypothesis for pathobiology and treatment of <scp>COVIDâ€19</scp>: The centrality of <scp>ACE1</scp>/<scp>ACE2</scp> imbalance. British Journal of Pharmacology, 2020, 177, 4825-4844.	2.7	151
39	Mucosal adjuvant activity of cholera toxin requires Th17 cells and protects against inhalation anthrax. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 10638-10643.	3.3	146
40	Î²-ADRENERGIC RECEPTORS AND RECEPTOR SIGNALING IN HEART FAILURE. Annual Review of Pharmacology and Toxicology, 1999, 39, 343-360.	4.2	145
41	Autonomic Nervous System Pharmacogenomics: A Progress Report. Pharmacological Reviews, 2004, 56, 31-52.	7.1	141
42	Stoichiometry of receptorâ€G s â€adenylate cyclase interactions. FASEB Journal, 1991, 5, 2300-2303.	0.2	133
43	Localization of Adenylyl Cyclase Isoforms and G Protein-Coupled Receptors in Vascular Smooth Muscle Cells: Expression in Caveolin-Rich and Noncaveolin Domains. Molecular Pharmacology, 2002, 62, 983-992.	1.0	132
44	The cyclic AMP effector Epac integrates pro- and anti-fibrotic signals. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 6386-6391.	3.3	129
45	Inhibition of apoptosis in normal and transformed intestinal epithelial cells by cAMP through induction of inhibitor of apoptosis protein (IAP)-2. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 8921-8926.	3.3	128
46	cAMP and Epac in the regulation of tissue fibrosis. British Journal of Pharmacology, 2012, 166, 447-456.	2.7	127
47	Mechanisms of cardiac protection from ischemia/reperfusion injury: a role for caveolae and caveolinâ€1. FASEB Journal, 2007, 21, 1565-1574.	0.2	126
48	Cardiac-Specific Overexpression of Caveolin-3 Induces Endogenous Cardiac Protection by Mimicking Ischemic Preconditioning. Circulation, 2008, 118, 1979-1988.	1.6	126
49	Verapamil Competitively Inhibits Î±1-Adrenergic and Muscarinic but Not Î²-Adrenergic Receptors in Rat Myocardium. Journal of Cardiovascular Pharmacology, 1982, 4, 515-520.	0.8	125
50	GPCRomics: An Approach to Discover GPCR Drug Targets. Trends in Pharmacological Sciences, 2019, 40, 378-387.	4.0	125
51	Increased smooth muscle cell expression of caveolinâ€1 and caveolae contribute to the pathophysiology of idiopathic pulmonary arterial hypertension. FASEB Journal, 2007, 21, 2970-2979.	0.2	121
52	Do caveolins regulate cells by actions outside of caveolae?. Trends in Cell Biology, 2007, 17, 51-57.	3.6	120
53	Paracrine Regulation of the Epithelial Na+ Channel in the Mammalian Collecting Duct by Purinergic P2Y2 Receptor Tone. Journal of Biological Chemistry, 2008, 283, 36599-36607.	1.6	119
54	Caveolae and Lipid Rafts: G Protein-Coupled Receptor Signaling Microdomains in Cardiac Myocytes. Annals of the New York Academy of Sciences, 2005, 1047, 166-172.	1.8	117

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55	The Pro-apoptotic Protein Bim Is a Convergence Point for cAMP/Protein Kinase A- and Glucocorticoid-promoted Apoptosis of Lymphoid Cells. Journal of Biological Chemistry, 2004, 279, 20858-20865.	1.6	115
56	Multi-Tasking RGS Proteins in the Heart. Circulation Research, 2005, 96, 401-411.	2.0	112
57	Gene expression patterns define key transcriptional events in cell-cycle regulation by cAMP and protein kinase A. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 8561-8566.	3.3	111
58	Lipid Rafts and Caveolae and Their Role in Compartmentation of Redox Signaling. Antioxidants and Redox Signaling, 2009, 11, 1357-1372.	2.5	111
59	Hypertonic Stress Increases T Cell Interleukin-2 Expression through a Mechanism That Involves ATP Release, P2 Receptor, and p38 MAPK Activation. Journal of Biological Chemistry, 2003, 278, 4590-4596.	1.6	110
60	P2Y2 receptor activates nerve growth factor/TrkA signaling to enhance neuronal differentiation. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 19138-19143.	3.3	110
61	Risks of ACE Inhibitor and ARB Usage in COVIDâ€19: Evaluating the Evidence. Clinical Pharmacology and Therapeutics, 2020, 108, 236-241.	2.3	109
62	Ecto-nucleoside Triphosphate Diphosphohydrolase 1 (E-NTPDase1/CD39) Regulates Neutrophil Chemotaxis by Hydrolyzing Released ATP to Adenosine. Journal of Biological Chemistry, 2008, 283, 28480-28486.	1.6	108
63	Population-Based Sample Reveals Geneâ€"Gender Interactions in Blood Pressure in White Americans. Hypertension, 2007, 49, 96-106.	1.3	107
64	Identification and cDNA cloning of a novel human mosaic protein, LGN, based on interaction with GÎ±i2. Gene, 1996, 181, 39-43.	1.0	106
65	Inhibition of Apoptosis by P2Y2 Receptor Activation: Novel Pathways for Neuronal Survival. Journal of Neuroscience, 2006, 26, 3798-3804.	1.7	104
66	GPCRomics: GPCR Expression in Cancer Cells and Tumors Identifies New, Potential Biomarkers and Therapeutic Targets. Frontiers in Pharmacology, 2018, 9, 431.	1.6	103
67	Compartmentation of G-protein-coupled receptors and their signalling components in lipid rafts and caveolae. Biochemical Society Transactions, 2005, 33, 1131.	1.6	102
68	Caveolin-3 expression and caveolae are required for isoflurane-induced cardiac protection from hypoxia and ischemia/reperfusion injury. Journal of Molecular and Cellular Cardiology, 2008, 44, 123-130.	0.9	101
69	Caveolinâ€1 expression is essential for<i>N</i>â€methylâ€<scp>D</scp>â€aspartate receptorâ€mediated Src and extracellular signalâ€regulated kinase 1/2 activation and protection of primary neurons from ischemic cell death. FASEB Journal, 2008, 22, 828-840.	0.2	101
70	Beta Adrenergic Receptors of Polymorphonuclear Particulates in Bronchial Asthma. Journal of Clinical Investigation, 1980, 65, 577-585.	3.9	101
71	cAMP-elevating agents and adenylyl cyclase overexpression promote an antifibrotic phenotype in pulmonary fibroblasts. American Journal of Physiology - Cell Physiology, 2004, 286, C1089-C1099.	2.1	100
72	Cyclic AMP Promotes cAMP-responsive Element-binding Protein-dependent Induction of Cellular Inhibitor of Apoptosis Protein-2 and Suppresses Apoptosis of Colon Cancer Cells through ERK1/2 and p38 MAPK. Journal of Biological Chemistry, 2004, 279, 26176-26183.	1.6	97

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73	Blunted Cardiac Responses to Receptor Activation in Subjects With Thr164Ile Î² 2 -Adrenoceptors. Circulation, 2001, 103, 1048-1050.	1.6	96
74	Protection of adult rat cardiac myocytes from ischemic cell death: role of caveolar microdomains and Î´-opioid receptors. American Journal of Physiology - Heart and Circulatory Physiology, 2006, 291, H344-H350.	1.5	95
75	GENETICVARIATIONS ANDPOLYMORPHISMS OFG PROTEIN-COUPLEDRECEPTORS: Functional and Therapeutic Implications. Annual Review of Pharmacology and Toxicology, 2001, 41, 593-624.	4.2	94
76	Angiotensin II Enhances Adenylyl Cyclase Signaling via Ca2+/Calmodulin. Journal of Biological Chemistry, 2003, 278, 24461-24468.	1.6	92
77	Dietary Na⁺inhibits the open probability of the epithelial sodium channel in the kidney by enhancing apical P2Y₂â€receptor tone. FASEB Journal, 2010, 24, 2056-2065.	0.2	92
78	The Gq signalling pathway inhibits brown and beige adipose tissue. Nature Communications, 2016, 7, 10895.	5.8	90
79	Mitochondriaâ€localized caveolin in adaptation to cellular stress and injury. FASEB Journal, 2012, 26, 4637-4649.	0.2	88
80	Caveolins and cavins in the trafficking, maturation, and degradation of caveolae: implications for cell physiology. American Journal of Physiology - Cell Physiology, 2017, 312, C459-C477.	2.1	88
81	Nitric Oxide Inhibition of Adenylyl Cyclase Type 6 Activity Is Dependent upon Lipid Rafts and Caveolin Signaling Complexes. Journal of Biological Chemistry, 2004, 279, 19846-19853.	1.6	87
82	Cyclic nucleotide phosphodiesterase profiling reveals increased expression of phosphodiesterase 7B in chronic lymphocytic leukemia. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 19532-19537.	3.3	86
83	Cardiac-Specific Overexpression of Caveolin-3 Attenuates Cardiac Hypertrophy and Increases Natriuretic Peptide Expression and Signaling. Journal of the American College of Cardiology, 2011, 57, 2273-2283.	1.2	86
84	Neuron-targeted Caveolin-1 Protein Enhances Signaling and Promotes Arborization of Primary Neurons. Journal of Biological Chemistry, 2011, 286, 33310-33321.	1.6	85
85	Focal Adhesions in (Myo)fibroblasts Scaffold Adenylyl Cyclase with Phosphorylated Caveolin. Journal of Biological Chemistry, 2006, 281, 17173-17179.	1.6	83
86	Adenylate Cyclase 6 Determines cAMP Formation and Aquaporin-2 Phosphorylation and Trafficking in Inner Medulla. Journal of the American Society of Nephrology: JASN, 2010, 21, 2059-2068.	3.0	83
87	GPR68, a protonâ€sensing GPCR, mediates interaction of cancerâ€associated fibroblasts and cancer cells. FASEB Journal, 2018, 32, 1170-1183.	0.2	83
88	A putative osmoreceptor system that controls neutrophil function through the release of ATP, its conversion to adenosine, and activation of A2 adenosine and P2 receptors. Journal of Leukocyte Biology, 2004, 76, 245-253.	1.5	79
89	Inflammation and thrombosis in COVID-19 pathophysiology: proteinase-activated and purinergic receptors as drivers and candidate therapeutic targets. Physiological Reviews, 2021, 101, 545-567.	13.1	78
90	Forskolin requires more than the catalytic unit to activate adenylate cyclase. Molecular and Cellular Endocrinology, 1982, 28, 681-690.	1.6	74

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91	ATP released from cardiac fibroblasts <i>via</i> connexin hemichannels activates profibrotic P2Y ₂ receptors. FASEB Journal, 2012, 26, 2580-2591.	0.2	73
92	[3H]dihydroergocryptine binding to alpha-adrenergic receptors of human platelets. Biochemical Pharmacology, 1982, 31, 2591-2597.	2.0	69
93	Human adrenoceptor polymorphisms: evolving recognition of clinical importance. Trends in Pharmacological Sciences, 1999, 20, 94-99.	4.0	68
94	Polymorphisms and Haplotypes of the Regulator of G Protein Signaling-2 Gene in Normotensives and Hypertensives. Hypertension, 2006, 47, 415-420.	1.3	68
95	A novel method using fluorescence microscopy for real-time assessment of ATP release from individual cells. American Journal of Physiology - Cell Physiology, 2007, 293, C1420-C1425.	2.1	68
96	ATP Activates cAMP Production via Multiple Purinergic Receptors in MDCK-D1 Epithelial Cells. Journal of Biological Chemistry, 1998, 273, 23093-23097.	1.6	67
97	New insights regarding the regulation of chemotaxis by nucleotides, adenosine, and their receptors. Purinergic Signalling, 2012, 8, 587-598.	1.1	66
98	GPR68: An Emerging Drug Target in Cancer. International Journal of Molecular Sciences, 2019, 20, 559.	1.8	66
99	A Phospholipase D-mediated Pathway for Generating Diacylglycerol in Nuclei from Madin-Darby Canine Kidney Cells. Journal of Biological Chemistry, 1995, 270, 11738-11740.	1.6	65
100	Defining the cellular repertoire of GPCRs identifies a profibrotic role for the most highly expressed receptor, proteaseâ€activated receptor 1, in cardiac fibroblasts. FASEB Journal, 2012, 26, 4540-4547.	0.2	64
101	Nuclear Phospholipase D in Madin-Darby Canine Kidney Cells. Journal of Biological Chemistry, 1995, 270, 29843-29847.	1.6	63
102	Colchicine potentiates Î²-adrenoreceptor-stimulated cyclic AMP in lymphoma cells by an action distal to the receptor. Nature, 1978, 273, 471-473.	13.7	62
103	Î²-Adrenergic receptor/cAMP-mediated signaling and apoptosis of S49 lymphoma cells. American Journal of Physiology - Cell Physiology, 2000, 279, C1665-C1674.	2.1	62
104	Purinergic Inhibition of ENaC Produces Aldosterone Escape. Journal of the American Society of Nephrology: JASN, 2010, 21, 1903-1911.	3.0	62
105	Differential regulation of phospholipase D and phospholipase A2 by protein kinase C in P388D1 macrophages. Biochemical Journal, 1997, 321, 805-810.	1.7	61
106	Heredity and the autonomic nervous system in human hypertension. Current Hypertension Reports, 2000, 2, 16-22.	1.5	61
107	Membrane rafts and caveolae in cardiovascular signaling. Current Opinion in Nephrology and Hypertension, 2009, 18, 50-56.	1.0	61
108	P2 Purinergic Receptor Agonists Enhance cAMP Production in Madin-Darby Canine Kidney Epithelial Cells via an Autocrine/Paracrine Mechanism. Journal of Biological Chemistry, 1996, 271, 2029-2032.	1.6	60

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109	Extracellular ATP and cAMP as Paracrine and Interorgan Regulators of Renal Function P2Y Receptors of MDCK Cells: Epithelial Cell Regulation by Extracellular Nucleotides. Clinical and Experimental Pharmacology and Physiology, 2001, 28, 351-354.	0.9	59
110	Timeâ€dependent evolution of functional <i>vs.</i> remodeling signaling in induced pluripotent stem cellâ€derived cardiomyocytes and induced maturation with biomechanical stimulation. FASEB Journal, 2016, 30, 1464-1479.	0.2	58
111	Divergent requirement for GÎ±s and cAMP in the differentiation and inflammatory profile of distinct mouse Th subsets. Journal of Clinical Investigation, 2012, 122, 963-973.	3.9	57
112	Cyclic AMP concentrations in dendritic cells induce and regulate Th2 immunity and allergic asthma. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 1529-1534.	3.3	56
113	Hypotension after Quinidine plus Verapamil. New England Journal of Medicine, 1985, 312, 167-170.	13.9	55
114	Life cycles of cardiac Î±1- and Î²-adrenergic receptors. Biochemical Pharmacology, 1987, 36, 1-6.	2.0	55
115	GPCRs show widespread differential mRNA expression and frequent mutation and copy number variation in solid tumors. PLoS Biology, 2019, 17, e3000434.	2.6	55
116	GPCR Expression in the Heart â€œNewâ€•Receptors in Myocytes and Fibroblasts. Trends in Cardiovascular Medicine, 2004, 14, 94-99.	2.3	54
117	P2Y11 Receptors Activate Adenylyl Cyclase and Contribute to Nucleotide-promoted cAMP Formation in MDCK-D1Cells. Journal of Biological Chemistry, 2002, 277, 7761-7765.	1.6	52
118	Cellular Mechanisms of Tissue Fibrosis. 6. Purinergic signaling and response in fibroblasts and tissue fibrosis. American Journal of Physiology - Cell Physiology, 2014, 306, C779-C788.	2.1	51
119	G Proteinâ€"Coupled Receptor (GPCR) Expression in Native Cells: â€œNovelâ€•endoGPCRs as Physiologic Regulators and Therapeutic Targets. Molecular Pharmacology, 2015, 88, 181-187.	1.0	51
120	Clonal growth of lymphoid cells in serum-free media requires elimination of H2O2 toxicity. Journal of Cellular Physiology, 1983, 115, 31-36.	2.0	49
121	GPCR expression in tissues and cells: Are the optimal receptors being used as drug targets?. British Journal of Pharmacology, 2012, 165, 1613-1616.	2.7	49
122	Agonist-Induced Redistribution of 0-Adrenergic Receptors on Intact Human Mononuclear Leukocyte Redistributed Receptors Are Nonfunctional*. Journal of Clinical Endocrinology and Metabolism, 1985, 61, 1081-1088.	1.8	48
123	Cloning, Expression, Signaling Mechanisms, and Membrane Targeting of P2Y₁₁Receptors in Madin Darby Canine Kidney Cells. Molecular Pharmacology, 2001, 60, 26-35.	1.0	48
124	Cotranslational <i>cis</i> -phosphorylation of the COOH-terminal tail is a key priming step in the maturation of cAMP-dependent protein kinase. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E1221-9.	3.3	47
125	An Arginine/Glutamine Difference at the Juxtaposition of Transmembrane Domain 6 and the Third Extracellular Loop Contributes to the Markedly Different Nucleotide Selectivities of Human and Canine P2Y11Receptors. Molecular Pharmacology, 2001, 60, 1375-1382.	1.0	46
126	Gene Expression Signatures of cAMP/Protein Kinase A (PKA)-promoted, Mitochondrial-dependent Apoptosis. Journal of Biological Chemistry, 2008, 283, 4304-4313.	1.6	46

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127	Renal Î±â€adrenergic receptor alterations: a cause of essential hypertension?. FASEB Journal, 1989, 3, 139-144.	0.2	44
128	Interaction of the protein nucleobindin with GÎ±i2, as revealed by the yeast two-hybrid system. FEBS Letters, 1995, 373, 155-158.	1.3	43
129	12-Lipoxygenase in Opioid-Induced Delayed Cardioprotection. Circulation Research, 2003, 92, 676-682.	2.0	43
130	Prostaglandin E2 inhibits profibrotic function of human pulmonary fibroblasts by disrupting Ca2+ signaling. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2019, 316, L810-L821.	1.3	42
131	Updating the guidelines for data transparency in the British Journal of Pharmacology â€" data sharing and the use of scatter plots instead of bar charts. British Journal of Pharmacology, 2017, 174, 2801-2804.	2.7	41
132	Adrenergic receptors, G proteins, and cell regulation: implications for aging research. Experimental Gerontology, 1993, 28, 341-348.	1.2	40
133	Disruption of Protein Kinase A Localization Using a Trans-activator of Transcription (TAT)-conjugated A-kinase-anchoring Peptide Reduces Cardiac Function. Journal of Biological Chemistry, 2010, 285, 27632-27640.	1.6	40
134	Uridine triphosphate (UTP) induces profibrotic responses in cardiac fibroblasts by activation of P2Y2 receptors. Journal of Molecular and Cellular Cardiology, 2010, 49, 362-369.	0.9	40
135	Increase in Cellular Cyclic AMP Concentrations Reverses the Profibrogenic Phenotype of Cardiac Myofibroblasts: A Novel Therapeutic Approach for Cardiac Fibrosis. Molecular Pharmacology, 2013, 84, 787-793.	1.0	40
136	Bcl-2 protects lymphoma cells from apoptosis but not growth arrest promoted by cAMP and dexamethasone. American Journal of Physiology - Cell Physiology, 2001, 281, C1642-C1647.	2.1	39
137	Evolving concepts of partial agonism. Biochemical Pharmacology, 1992, 43, 119-130.	2.0	38
138	A Key Role for Protein Kinase A in Homologous Desensitization of the Î²2-Adrenergic Receptor Pathway in S49 Lymphoma Cells. Journal of Biological Chemistry, 1996, 271, 895-900.	1.6	38
139	Inhibition of Phospholipase A2-mediated Arachidonic Acid Release by Cyclic AMP Defines a Negative Feedback Loop for P2Y Receptor Activation in Madin-Darby Canine Kidney D1 Cells. Journal of Biological Chemistry, 1999, 274, 10035-10038.	1.6	38
140	Human sympathetic activation by ?2-adrenergic blockade with yohimbine: Bimodal, epistatic influence of cytochrome P450?mediated drug metabolism*1. Clinical Pharmacology and Therapeutics, 2004, 76, 139-153.	2.3	38
141	Use of superoxide dismutase and catalase to protect catecholamines from oxidation in tissue culture studies. Analytical Biochemistry, 1984, 136, 208-216.	1.1	37
142	Key role for constitutive cyclooxygenase-2 of MDCK cells in basal signaling and response to released ATP. American Journal of Physiology - Cell Physiology, 2001, 281, C524-C531.	2.1	37
143	Discrete Intracellular Signaling Domains of Soluble Adenylyl Cyclase: Camps of cAMP?. Science Signaling, 2004, 2004, pe19-pe19.	1.6	37
144	Stimulation of Phospholipase D via Î±1-Adrenergic Receptors in Madin-Darby Canine Kidney Cells is Independent of PKCÎ± and -Îµ Activation. Molecular Pharmacology, 1998, 53, 221-227.	1.0	34

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145	P2Y2 and TrkA receptors interact with Src family kinase for neuronal differentiation. Biochemical and Biophysical Research Communications, 2006, 347, 678-682.	1.0	33
146	Adenosine monophosphateâ€activated kinase Î±1 promotes endothelial barrier repair. FASEB Journal, 2011, 25, 3356-3365.	0.2	33
147	Heterotrimeric G Proteins Directly Regulate MMP14/Membrane Type-1 Matrix Metalloprotease. Journal of Biological Chemistry, 2015, 290, 9941-9947.	1.6	33
148	Studies of cyclic AMP action using mutant tissue culture cells. In Vitro, 1978, 14, 140-145.	1.2	31
149	Hydrolysis of Extracellular ATP by Ectonucleoside Triphosphate Diphosphohydrolase (ENTPD) Establishes the Set Point for Fibrotic Activity of Cardiac Fibroblasts. Journal of Biological Chemistry, 2013, 288, 19040-19049.	1.6	31
150	P2Y2 receptor of MDCK cells: cloning, expression, and cell-specific signaling. American Journal of Physiology - Renal Physiology, 2000, 279, F1045-F1052.	1.3	30
151	Increased Expression of the Pro-apoptotic Protein BIM, a Mechanism for cAMP/Protein Kinase A (PKA)-induced Apoptosis of Immature T Cells. Journal of Biological Chemistry, 2011, 286, 33260-33267.	1.6	30
152	A hypothesis linking intracellular sodium, membrane receptors, and hypertension. Life Sciences, 1984, 34, 1009-1013.	2.0	29
153	Molecular mechanism of Î²â€adrenergic receptor blockers with intrinsic sympathomimetic activity. FASEB Journal, 1988, 2, 2891-2894.	0.2	29
154	Genetic variation in G-protein-coupled receptors â€" consequences for G-protein-coupled receptors as drug targets. Expert Opinion on Therapeutic Targets, 2005, 9, 1247-1265.	1.5	29
155	Do studies in caveolin-knockouts teach us about physiology and pharmacology or instead, the ways mice compensate for â€˜lost proteinsâ€™?. British Journal of Pharmacology, 2007, 150, 251-254.	2.7	28
156	Immunoelectron microscopic identification of cytoplasmic and nuclear G sÎ± in S49 lymphoma cells. FASEB Journal, 1994, 8, 252-258.	0.2	27
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