Thomas Wieland

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1563115/publications.pdf

Version: 2024-02-01

164	7,932	53794	66911
papers	citations	45 h-index	78 g-index

166	166	166	11050
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A deep proteome and transcriptome abundance atlas of 29 healthy human tissues. Molecular Systems Biology, 2019, 15, e8503.	7.2	576
2	Enhanced Sarcoplasmic Reticulum Ca ²⁺ Leak and Increased Na ⁺ -Ca ²⁺ Exchanger Function Underlie Delayed Afterdepolarizations in Patients With Chronic Atrial Fibrillation. Circulation, 2012, 125, 2059-2070.	1.6	523
3	Angiopoietin-2 differentially regulates angiogenesis through TIE2 and integrin signaling. Journal of Clinical Investigation, 2012, 122, 1991-2005.	8.2	376
4	How reliable are G-protein-coupled receptor antibodies?. Naunyn-Schmiedeberg's Archives of Pharmacology, 2009, 379, 385-388.	3.0	264
5	Alterations in cardiac DNA methylation in human dilated cardiomyopathy. EMBO Molecular Medicine, 2013, 5, 413-429.	6.9	210
6	Structure of GÎ± _q -p63RhoGEF-RhoA Complex Reveals a Pathway for the Activation of RhoA by GPCRs. Science, 2007, 318, 1923-1927.	12.6	206
7	Role of RyR2 Phosphorylation at S2814 During Heart Failure Progression. Circulation Research, 2012, 110, 1474-1483.	4.5	187
8	The Guanine Nucleotide Exchange Factor p63RhoGEF, a Specific Link between Gq/11-coupled Receptor Signaling and RhoA. Journal of Biological Chemistry, 2005, 280, 11134-11139.	3.4	175
9	Paving the Rho in cancer metastasis: Rho GTPases and beyond. , 2018, 183, 1-21.		132
10	Angiotensin II Type 2 Receptor Inhibits Vascular Endothelial Growth Factorâ€“Induced Migration and In Vitro Tube Formation of Human Endothelial Cells. Circulation Research, 2003, 93, 438-447.	4.5	120
11	Activation of Heterotrimeric G Proteins by a High Energy Phosphate Transfer via Nucleoside Diphosphate Kinase (NDPK) B and GÎ² Subunits. Journal of Biological Chemistry, 2003, 278, 7220-7226.	3.4	118
12	Regulators of G-protein signalling: multifunctional proteins with impact on signalling in the cardiovascular system. , 2003, 97, 95-115.		115
13	[1] Measurement of receptor-stimulated guanosine 5â€²-O-(Î³-thio)triphosphate binding by G proteins. Methods in Enzymology, 1994, 237, 3-13.	1.0	111
14	Lipopolysaccharides induced inflammatory responses and electrophysiological dysfunctions in human-induced pluripotent stem cell derived cardiomyocytes. Scientific Reports, 2017, 7, 2935.	3.3	111
15	Expression of ten RGS proteins in human myocardium: functional characterization of an upregulation of RGS4 in heart failure. Cardiovascular Research, 2002, 55, 778-786.	3.8	101
16	Dual role of protein kinase C on BK channel regulation. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 8005-8010.	7.1	98
17	Protein Kinase D Selectively Targets Cardiac Troponin I and Regulates Myofilament Ca 2+ Sensitivity in Ventricular Myocytes. Circulation Research, 2007, 100, 864-873.	4.5	97
18	The natriuretic peptide/guanylyl cyclaseâ€“A system functions as a stress-responsive regulator of angiogenesis in mice. Journal of Clinical Investigation, 2009, 119, 2019-2030.	8.2	95

#	Article	IF	Citations
19	Anaphylactic shock depends on endothelial Gq/G11. Journal of Experimental Medicine, 2009, 206, 411-420.	8.5	94
20	Direct stimulation of receptor-controlled phospholipase D1 by phospho-cofilin. EMBO Journal, 2007, 26, 4189-4202.	7.8	91
21	Modeling Short QT Syndrome Using Humanâ€Induced Pluripotent Stem Cellâ€"Derived Cardiomyocytes. Journal of the American Heart Association, 2018, 7, .	3.7	88
22	Activation of Heterotrimeric G Proteins by a High Energy Phosphate Transfer via Nucleoside Diphosphate Kinase (NDPK) B and GÎ² Subunits. Journal of Biological Chemistry, 2003, 278, 7227-7233.	3.4	84
23	Trioâ€™s Rho-specific GEF domain is the missing GÎ±_q effector in C. elegans. Genes and Development, 2007, 21, 2731-2746.	5.9	84
24	The M3 Muscarinic Acetylcholine Receptor Expressed in HEK-293 Cells Signals to Phospholipase D via G12 but Not Gq-type G Proteins. Journal of Biological Chemistry, 2001, 276, 2474-2479.	3.4	77
25	Inhibition of Rho-dependent kinases ROCK I/II activates VEGF-driven retinal neovascularization and sprouting angiogenesis. American Journal of Physiology - Heart and Circulatory Physiology, 2009, 296, H893-H899.	3.2	75
26	NSC23766, a Widely Used Inhibitor of Rac1 Activation, Additionally Acts as a Competitive Antagonist at Muscarinic Acetylcholine Receptors. Journal of Pharmacology and Experimental Therapeutics, 2013, 347, 69-79.	2.5	75
27	Angiotensin II modulates VEGF-driven angiogenesis by opposing effects of type 1 and type 2 receptor stimulation in the microvascular endothelium. Cellular Signalling, 2012, 24, 1261-1269.	3.6	73
28	The interaction of nucleoside diphosphate kinase B with GÎ²Î³ dimers controls heterotrimeric G protein function. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 16269-16274.	7.1	72
29	Regulation of Cardiac cAMP Synthesis and Contractility by Nucleoside Diphosphate Kinase B/G Protein Î²Î³ Dimer Complexes. Circulation Research, 2007, 100, 1191-1199.	4.5	67
30	The role of nucleoside-diphosphate kinase reactions in G protein activation of NADPH oxidase by guanine and adenine nucleotides. FEBS Journal, 1988, 175, 51-55.	0.2	66
31	Regulation of the extracellular signal-regulated kinase pathway in adult myocardium: differential roles of Gq/11, Gi and G12/13 proteins in signalling by Î±1-adrenergic, endothelin-1 and thrombin-sensitive protease-activated receptors. Cellular Signalling, 2005, 17, 655-664.	3.6	66
32	The Î²-subunit of G proteins is a substrate of protein histidine phosphatase. Biochemical and Biophysical Research Communications, 2005, 334, 1115-1120.	2.1	64
33	Quantification and discovery of sequence determinants of proteinâ€perâ€mRNA amount inÂ29Âhuman tissues. Molecular Systems Biology, 2019, 15, e8513.	7.2	63
34	Regulators of G protein signalling: a spotlight on emerging functions in the cardiovascular system. Current Opinion in Pharmacology, 2007, 7, 201-207.	3.5	62
35	Î²-Adrenergic receptor stimulation causes cardiac hypertrophy via a GÎ²Î³/Erk-dependent pathway. Cardiovascular Research, 2012, 96, 255-264.	3.8	62
36	p63RhoGEFâ€"a key mediator of angiotensin II-dependent signaling and processes in vascular smooth muscle cells. FASEB Journal, 2010, 24, 4865-4876.	0.5	61

#	Article	IF	Citations
37	Ion Channel Expression and Characterization in Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes. Stem Cells International, 2018, 2018, 1-14.	2.5	60
38	Atorvastatin desensitizes Î²â€adrenergic signaling in cardiac myocytes via reduced isoprenylation of Gâ€protein Î³â€subunits. FASEB Journal, 2006, 20, 785-787.	0.5	56
39	Alignment-Annotator web server: rendering and annotating sequence alignments. Nucleic Acids Research, 2014, 42, W3-W6.	14.5	56
40	Phosphodiesterase 2 Protects Against Catecholamine-Induced Arrhythmia and Preserves Contractile Function After Myocardial Infarction. Circulation Research, 2017, 120, 120-132.	4.5	55
41	Estradiol protection against toxic effects of catecholamine on electrical properties in human-induced pluripotent stem cell derived cardiomyocytes. International Journal of Cardiology, 2018, 254, 195-202.	1.7	55
42	Molecular architecture of GÎ± _o and the structural basis for RGS16-mediated deactivation. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 6243-6248.	7.1	53
43	Highly Invasive Melanoma Cells Activate the Vascular Endothelium via an MMP-2/Integrin Î±vÎ²5â€“Induced Secretion of VEGF-A. American Journal of Pathology, 2012, 181, 693-705.	3.8	52
44	Srgap3 ^{â€“/â€“} mice present a neurodevelopmental disorder with schizophreniaâ€related intermediate phenotypes. FASEB Journal, 2012, 26, 4418-4428.	0.5	51
45	Electrical dysfunctions in human-induced pluripotent stem cell-derived cardiomyocytes from a patient with an arrhythmogenic right ventricular cardiomyopathy. Europace, 2018, 20, f46-f56.	1.7	50
46	Activation of signal-transducing guanine-nucleotide-binding regulatory proteins by guanosine 5'-[gamma-thio]triphosphate. Information transfer by intermediately thiophosphorylated betagamma subunits. FEBS Journal, 1991, 196, 707-716.	0.2	49
47	GÎ±q allosterically activates and relieves autoinhibition of p63RhoGEF. Cellular Signalling, 2010, 22, 1114-1123.	3.6	48
48	Nucleoside diphosphate kinase as protein histidine kinase. Naunyn-Schmiedeberg's Archives of Pharmacology, 2015, 388, 153-160.	3.0	48
49	Interaction of nucleoside diphosphate kinase B with heterotrimeric G protein Î²Î³ dimers: consequences on G protein activation and stability. Naunyn-Schmiedeberg's Archives of Pharmacology, 2007, 374, 373-383.	3.0	47
50	p63RhoGEF and GEFT are Rho-specific guanine nucleotide exchange factors encoded by the same gene. Naunyn-Schmiedeberg's Archives of Pharmacology, 2004, 369, 540-546.	3.0	46
51	Oxytocin Receptors Differentially Signal via Gq and Gi Proteins in Pregnant and Nonpregnant Rat Uterine Myocytes: Implications for Myometrial Contractility. Molecular Endocrinology, 2007, 21, 740-752.	3.7	46
52	Palmitoylation and Membrane Association of the Stress Axis Regulated Insert (STREX) Controls BK Channel Regulation by Protein Kinase C*. Journal of Biological Chemistry, 2012, 287, 32161-32171.	3.4	46
53	The Ca2+-dependent Binding of Calmodulin to an N-terminal Motif of the Heterotrimeric G Protein Î² Subunit. Journal of Biological Chemistry, 1997, 272, 18801-18807.	3.4	44
54	Melatonin Receptor Signaling in Pregnant and Nonpregnant Rat Uterine Myocytes as Probed by Large Conductance Ca2+-Activated K+ Channel Activity. Molecular Endocrinology, 2003, 17, 2103-2115.	3.7	43

#	Article	IF	Citations
55	The Retinal Specific Protein RGS-r Competes with the Î³ Subunit of cGMP Phosphodiesterase for the Î± Subunit of Transducin and Facilitates Signal Termination. Journal of Biological Chemistry, 1997, 272, 8853-8856.	3.4	41
56	<scp>RGS</scp>5 promotes arterial growth during arteriogenesis. EMBO Molecular Medicine, 2014, 6, 1075-1089.	6.9	41
57	Ion Channel Dysfunctions in Dilated Cardiomyopathy in Limb-Girdle Muscular Dystrophy. Circulation Genomic and Precision Medicine, 2018, 11, e001893.	3.6	40
58	Constitutive serum response factor activation by the viral chemokine receptor homologue pUS28 is differentially regulated by GÎ±q/11 and GÎ±16. Cellular Signalling, 2008, 20, 1528-1537.	3.6	39
59	Atrial Natriuretic Peptideâ€“Mediated Inhibition of Microcirculatory Endothelial Ca²⁺and Permeability Response to Histamine Involves cGMP-Dependent Protein Kinase I and TRPC6 Channels. Arteriosclerosis, Thrombosis, and Vascular Biology, 2013, 33, 2121-2129.	2.4	39
60	Rapid and Persistent Desensitization of m3 Muscarinic Acetylcholine Receptor-stimulated Phospholipase D. Journal of Biological Chemistry, 1995, 270, 19949-19956.	3.4	38
61	ADP receptor-induced activation of guanine-nucleotide-binding proteins in human platelet membranes. FEBS Journal, 1992, 207, 259-263.	0.2	37
62	Species- and tissue-dependent diversity of G-protein Î² subunit phosphorylation: evidence for a cofactor. Biochemical Journal, 1996, 318, 717-722.	3.7	37
63	A critical evaluation of biochemical activities reported for the nucleoside diphosphate kinase/Nm23/Awd family proteins: opportunities and missteps in understanding their biological functions. Naunyn-Schmiedeberg's Archives of Pharmacology, 2011, 384, 331-339.	3.0	37
64	Managing risks in drug discovery: reproducibility of published findings. Naunyn-Schmiedeberg's Archives of Pharmacology, 2016, 389, 353-360.	3.0	37
65	Receptor-regulated formation of GTP[Î³S] with subsequent persistent Gs -protein activation in membranes of human platelets. FEBS Letters, 1989, 245, 189-193.	2.8	36
66	Pregnancy switches adrenergic signal transduction in rat and human uterine myocytes as probed by BK Ca channel activity. Journal of Physiology, 2000, 524, 339-352.	2.9	36
67	Identification of G protein-coupled receptors potently stimulating migration of human transitional-cell carcinoma cells. Naunyn-Schmiedeberg's Archives of Pharmacology, 1997, 356, 769-776.	3.0	35
68	M2 Muscarinic Receptors Induce Airway Smooth Muscle Activation via a Dual, GÎ²Î³-mediated Inhibition of Large Conductance Ca2+-activated K+ Channel Activity. Journal of Biological Chemistry, 2008, 283, 21036-21044.	3.4	35
69	Calcium/Calmodulin-Dependent Protein Kinase II Activity Persists During Chronic Î²-Adrenoceptor Blockade in Experimental and Human Heart Failure. Circulation: Heart Failure, 2017, 10, e003840.	3.9	35
70	Analysis of receptor-G protein interactions in permeabilized cells. Naunyn-Schmiedeberg's Archives of Pharmacology, 1995, 351, 329-336.	3.0	34
71	A cellular model of Brugada syndrome with SCN10A variants using human-induced pluripotent stem cell-derived cardiomyocytes. Europace, 2019, 21, 1410-1421.	1.7	33
72	Cell Cycle-dependent Coupling of the Vasopressin V1a Receptor to Different G Proteins. Journal of Biological Chemistry, 2000, 275, 32543-32551.	3.4	30

#	Article	IF	Citations
73	A mammalian Rho-specific guanine-nucleotide exchange factor (p164-RhoGEF) without a pleckstrin homology domain. Biochemical Journal, 2002, 366, 721-728.	3.7	30
74	Essential role of sympathetic endothelin A receptors for adverse cardiac remodeling. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 13499-13504.	7.1	30
75	The Bipartite Rac1 Guanine Nucleotide Exchange Factor Engulfment and Cell Motility 1/Dedicator of Cytokinesis 180 (Elmo1/Dock180) Protects Endothelial Cells from Apoptosis in Blood Vessel Development. Journal of Biological Chemistry, 2015, 290, 6408-6418.	3.4	30
76	G protein-coupled receptor kinase 2 promotes cardiac hypertrophy. PLoS ONE, 2017, 12, e0182110.	2.5	30
77	The BTB-Kelch Protein KLEIP Controls Endothelial Migration and Sprouting Angiogenesis. Circulation Research, 2007, 100, 1155-1163.	4.5	29
78	Studying Brugada Syndrome With an SCN1B Variants in Human-Induced Pluripotent Stem Cell-Derived Cardiomyocytes. Frontiers in Cell and Developmental Biology, 2019, 7, 261.	3.7	29
79	Evidence for receptor-regulated phosphotransfer reactions involved in activation of the adenylate cyclase inhibitory G protein in human platelet membranes. FEBS Journal, 1989, 183, 115-121.	0.2	28
80	Endotoxin induces desensitization of cardiac endothelin-1 receptor signaling by increased expression of RGS4 and RGS16. Cardiovascular Research, 2002, 53, 156-164.	3.8	28
81	Hyperthermia Influences the Effects of Sodium Channel Blocking Drugs in Human-Induced Pluripotent Stem Cell-Derived Cardiomyocytes. PLoS ONE, 2016, 11, e0166143.	2.5	28
82	An AKAP-Lbc-RhoA interaction inhibitor promotes the translocation of aquaporin-2 to the plasma membrane of renal collecting duct principal cells. PLoS ONE, 2018, 13, e0191423.	2.5	28
83	Dissociation of guanosine 5'-[gamma-thio]triphosphate from guanine-nucleotide-binding regulatory proteins in native cardiac membranes. Regulation by nucleotides and muscarinic acetylcholine receptors. FEBS Journal, 1992, 204, 725-731.	0.2	27
84	Apparent upâ€•regulation of stimulatory Gâ€•protein Î± subunits in the pregnant human myometrium is mimicked by elevated smoothelin expression 1. FASEB Journal, 2000, 14, 17-26.	0.5	27
85	Catecholamines facilitate VEGF-dependent angiogenesis via Î²2-adrenoceptor-induced Epac1 and PKA activation. Oncotarget, 2017, 8, 44732-44748.	1.8	27
86	Regulator of G-protein signalling 3 redirects prototypical Gi-coupled receptors from Rac1 to RhoA activation. Cellular Signalling, 2007, 19, 1229-1237.	3.6	26
87	Pasteurella Multocida Toxin Prevents Osteoblast Differentiation by Transactivation of the MAP-Kinase Cascade via the GÎ±q/11 - p63RhoGEF - RhoA Axis. PLoS Pathogens, 2013, 9, e1003385.	4.7	26
88	Receptor-stimulated guanine-nucleotide-triphosphate binding to guanine-nucleotide-binding regulatory proteins. Nucleotide exchange and beta-subunit-mediated phosphotransfer reactions. FEBS Journal, 1994, 221, 25-33.	0.2	25
89	A novel player in cellular hypertrophy: GiÎ²Î³/PI3K-dependent activation of the RacGEF TIAM-1 is required for Î±1-adrenoceptor induced hypertrophy in neonatal rat cardiomyocytes. Journal of Molecular and Cellular Cardiology, 2012, 53, 165-175.	1.9	25
90	Nucleoside Diphosphate Kinase B Regulates Angiogenesis Through Modulation of Vascular Endothelial Growth Factor Receptor Type 2 and Endothelial Adherens Junction Proteins. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 2292-2300.	2.4	25

#	Article	IF	Citations
91	Distinct Signaling Pathways Mediate Cardiomyocyte Phospholipase D Stimulation by Endothelin-1 and Thrombin. Journal of Molecular and Cellular Cardiology, 2002, 34, 441-453.	1.9	24
92	Nucleoside diphosphate kinase B deficiency causes a diabetes-like vascular pathology via up-regulation of endothelial angiopoietin-2 in the retina. Acta Diabetologica, 2016, 53, 81-89.	2.5	24
93	Nucleoside Diphosphate Kinase-C Suppresses cAMP Formation in Human Heart Failure. Circulation, 2017, 135, 881-897.	1.6	24
94	Interaction of small G proteins with photoexcited rhodopsin. FEBS Letters, 1990, 263, 195-198.	2.8	23
95	Role of GDP in formyl-peptide-receptor-induced activation of guanine-nucleotide-binding proteins in membranes of HL 60 cells. FEBS Journal, 1992, 205, 1201-1206.	0.2	23
96	G Protein Regulation of the Na+/H+ Antiporter in Xenopus laevis Oocytes. Journal of Biological Chemistry, 1995, 270, 17898-17901.	3.4	23
97	Through scaffolding and catalytic actions nucleoside diphosphate kinase B differentially regulates basal and Î²-adrenoceptor-stimulated cAMP synthesis. Cellular Signalling, 2011, 23, 579-585.	3.6	23
98	Dopamine and Lipophilic Derivates Protect Cardiomyocytes against Cold Preservation Injury. Journal of Pharmacology and Experimental Therapeutics, 2014, 348, 77-85.	2.5	23
99	Alterations in reversible protein histidine phosphorylation as intracellular signals in cardiovascular disease. Frontiers in Pharmacology, 2015, 6, 173.	3.5	23
100	Reduced viability of neuronal cells after overexpression of protein histidine phosphatase. Neurochemistry International, 2008, 53, 132-136.	3.8	22
101	Nucleoside Diphosphate Kinaseâ€“Mediated Activation of Heterotrimeric G Proteins. Methods in Enzymology, 2004, 390, 403-418.	1.0	21
102	Nucleoside diphosphate kinase B is required for the formation of heterotrimeric G protein containing caveolae. Naunyn-Schmiedeberg's Archives of Pharmacology, 2011, 384, 461-472.	3.0	21
103	The activation of RhoC in vascular endothelial cells is required for the S1P receptor type 2-induced inhibition of angiogenesis. Cellular Signalling, 2013, 25, 2478-2484.	3.6	21
104	Hypertensionâ€evoked RhoA activity in vascular smooth muscle cells requires RGS5. FASEB Journal, 2018, 32, 2021-2035.	0.5	21
105	Drug Testing in Humanâ€Induced Pluripotent Stem Cellâ€“Derived Cardiomyocytes From a Patient With Short <scp>QT</scp> Syndrome Type 1. Clinical Pharmacology and Therapeutics, 2019, 106, 642-651.	4.7	21
106	Epac1 links prostaglandin E2 to Î²-catenin-dependent transcription during epithelial-to-mesenchymal transition. Oncotarget, 2016, 7, 46354-46370.	1.8	21
107	Polarity Exchange at the Interface of Regulators of G Protein Signaling with G Protein Î±-Subunits. Journal of Biological Chemistry, 2000, 275, 28500-28506.	3.4	20
108	Reversible Histidine Phosphorylation in Mammalian Cells. Methods in Enzymology, 2010, 471, 379-402.	1.0	20

#	Article	IF	Citations
109	Mechanism and functional impact of CD40 ligand-induced von Willebrand factor release from endothelial cells. Thrombosis and Haemostasis, 2015, 113, 1095-1108.	3.4	20
110	Interleukin-1? mediates endotoxin- and tumor necrosis factor ?-induced RGS16 protein expression in cultured cardiac myocytes. Naunyn-Schmiedeberg's Archives of Pharmacology, 2003, 368, 360-365.	3.0	19
111	GrinchGEFâ€"A novel Rho-specific guanine nucleotide exchange factor. Biochemical and Biophysical Research Communications, 2005, 335, 1280-1286.	2.1	18
112	LARG links histamine-H1-receptor-activated Gq to Rho-GTPase-dependent signaling pathways. Cellular Signalling, 2012, 24, 652-663.	3.6	18
113	p63RhoGEF regulates auto- and paracrine signaling in cardiac fibroblasts. Journal of Molecular and Cellular Cardiology, 2015, 88, 39-54.	1.9	18
114	G-protein Î²Î³-subunits contribute to the coupling specificity of the Î² 2 -adrenergic receptor to G s. Naunyn-Schmiedeberg's Archives of Pharmacology, 2002, 365, 231-241.	3.0	17
115	Contribution of nucleoside diphosphokinase to guanine nucleotide regulation of agonist binding to formyl peptide receptors. European Journal of Pharmacology, 1991, 208, 17-23.	2.6	16
116	Sphingosine-1-phosphate and endothelin-1 induce the expression of rgs16 protein in cardiac myocytes by transcriptional activation of the rgs16 gene. Naunyn-Schmiedeberg's Archives of Pharmacology, 2008, 376, 363-373.	3.0	16
117	Inflammation leads through <scp>PGE</scp> / <scp>EP</scp> ₃ signaling to <scp>HDAC</scp> 5/ <scp>MEF</scp> 2â€dependent transcription in cardiac myocytes. EMBO Molecular Medicine, 2018, 10, .	6.9	16
118	Differential coupling of m-cholinoceptors to Gi/Go-proteins in failing human myocardium. Journal of Molecular and Cellular Cardiology, 2003, 35, 1241-1249.	1.9	15
119	High energy phosphate transfer by NDPK B/Gî²î³complexes - an alternative signaling pathway involved in the regulation of basal cAMP production. Journal of Bioenergetics and Biomembranes, 2006, 38, 197-203.	2.3	15
120	Nucleoside Diphosphate Kinase B Contributes to Arrhythmogenesis in Human-Induced Pluripotent Stem Cell-Derived Cardiomyocytes from a Patient with Arrhythmogenic Right Ventricular Cardiomyopathy. Journal of Clinical Medicine, 2020, 9, 486.	2.4	15
121	Role of the monomeric GTPase Rho in hematopoietic progenitor cell migration and transplantation. European Journal of Immunology, 2006, 36, 180-189.	2.9	13
122	Progress on Nme (NDP kinase/Nm23/Awd) gene family-related functions derived from animal model systems: studies on development, cardiovascular disease, and cancer metastasis exemplified. Naunyn-Schmiedeberg's Archives of Pharmacology, 2015, 388, 109-117.	3.0	13
123	Nucleoside Diphosphate Kinase Bâ€"Activated Intermediate Conductance Potassium Channels Are Critical for Neointima Formation in Mouse Carotid Arteries. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 1852-1861.	2.4	13
124	TRPV1 activation and internalization is part of the LPS-induced inflammation in human iPSC-derived cardiomyocytes. Scientific Reports, 2021, 11, 14689.	3.3	13
125	RhoGEF17, a Rho-specific guanine nucleotide exchange factor activated by phosphorylation via cyclic GMP-dependent kinase Iî±. Cellular Signalling, 2013, 25, 630-638.	3.6	12
126	Nucleoside diphosphate kinase B regulates angiogenic responses in the endothelium via caveolae formation and c-Src-mediated caveolin-1 phosphorylation. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 2471-2484.	4.3	12

#	Article	IF	Citations
127	Translocation of Microfilament-Associated Inhibitory guanine-nucleotide-binding Proteins to the Plasma Membrane in Myeloid Differentiated Human Leukemia (HL-60) Cells. FEBS Journal, 1996, 235, 670-676.	0.2	11
128	Signalling components involved in the coupling of Î± 1 -adrenoceptors to phospholipase D in neonatal rat cardiac myocytes. Naunyn-Schmiedeberg's Archives of Pharmacology, 2002, 365, 468-476.	3.0	11
129	Receptor and Binding Studies. , 2005, , 723-783.		11
130	Identification of intracellular proteins and signaling pathways in human endothelial cells regulated by angiotensin-(1â€“7). Journal of Proteomics, 2016, 130, 129-139.	2.4	11
131	Receptor-stimulated dissociation of GTP[S] from Gi-proteins in membranes of HL-60 cells. Cellular Signalling, 1993, 5, 425-433.	3.6	10
132	Receptor-Induced Translocation of Activated Guanine-Nucleotide-Binding Protein alphai Subunits to the Cytoskeleton in Myeloid Differentiated Human Leukemia (HL-60) Cells. FEBS Journal, 1996, 239, 752-758.	0.2	10
133	Competition for GÎ²Î³ dimers mediates a specific cross-talk between stimulatory and inhibitory G protein Î± subunits of the adenylyl cyclase in cardiomyocytes. Naunyn-Schmiedeberg's Archives of Pharmacology, 2013, 386, 459-469.	3.0	10
134	Regulation of heterotrimeric G-protein signaling by NDPK/NME proteins and caveolins: an update. Laboratory Investigation, 2018, 98, 190-197.	3.7	10
135	Chronic isoprenaline/phenylephrine vs. exclusive isoprenaline stimulation in mice: critical contribution of alpha1-adrenoceptors to early cardiac stress responses. Basic Research in Cardiology, 2022, 117, 15.	5.9	10
136	G protein-mediated receptor-receptor interaction: studies with chemotactic receptors in membranes of human leukemia (HL 60) cells. Naunyn-Schmiedeberg's Archives of Pharmacology, 1992, 346, 475-81.	3.0	9
137	Altered guanine nucleoside triphosphate binding to transducin by cholera toxin-catalysed ADP-ribosylation. Cellular Signalling, 1994, 6, 487-492.	3.6	9
138	Dynamics of GÎ±q-proteinâ€“p63RhoGEF interaction and its regulation by RGS2. Biochemical Journal, 2014, 458, 131-140.	3.7	9
139	O-GlcNAcylation of FoxO1 mediates nucleoside diphosphate kinase B deficiency induced endothelial damage. Scientific Reports, 2018, 8, 10581.	3.3	9
140	Reduced expression of Rho guanine nucleotide dissociation inhibitor-Î± modulates the cytotoxic effect of busulfan in HEK293 cells. Anti-Cancer Drugs, 2007, 18, 333-340.	1.4	8
141	RhoA Activation Sensitizes Cells to Proteotoxic Stimuli by Abrogating the HSF1-Dependent Heat Shock Response. PLoS ONE, 2015, 10, e0133553.	2.5	8
142	The orphan receptor GPRC5B modulates inflammatory and fibrotic pathways in cardiac fibroblasts and mice hearts. Biochemical and Biophysical Research Communications, 2019, 514, 1198-1203.	2.1	8
143	Involvement of NDPK-B in Glucose Metabolism-Mediated Endothelial Damage via Activation of the Hexosamine Biosynthesis Pathway and Suppression of O-GlcNAcase Activity. Cells, 2020, 9, 2324.	4.1	8
144	A systemicPasteurella multocidatoxin aggravates cardiac hypertrophy and fibrosis in mice. Cellular Microbiology, 2015, 17, 1320-1331.	2.1	7

#	Article	IF	Citations
145	Glucosamine protects against neuronal but not vascular damage in experimental diabetic retinopathy. Molecular Metabolism, 2021, 54, 101333.	6.5	7
146	p63RhoGEFâ€"a key mediator of angiotensin Ilâ€dependent signaling and processes in vascular smooth muscle cells. FASEB Journal, 2010, 24, 4865-4876.	0.5	7
147	Can a GDP-Liganded G-Protein Be Active?: Fig. 1.. Molecular Pharmacology, 2005, 68, 559-562.	2.3	6
148	TPP2 mutation associated with sterile brain inflammation mimicking MS. Neurology: Genetics, 2018, 4, e285.	1.9	6
149	Serum of patients with acute myocardial infarction prevents inflammation in iPSC-cardiomyocytes. Scientific Reports, 2019, 9, 5651.	3.3	6
150	Dissecting Gq/11-Mediated Plasma Membrane Translocation of Sphingosine Kinase-1. Cells, 2020, 9, 2201.	4.1	6
151	cAMP guided his way: a life for G protein-mediated signal transduction and molecular pharmacologyâ€"tribute to Karl H. Jakobs. Naunyn-Schmiedeberg's Archives of Pharmacology, 2019, 392, 887-911.	3.0	5
152	The WD40 repeat protein, WDR36, orchestrates sphingosine kinase-1 recruitment and phospholipase C-Î² activation by Gq-coupled receptors. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2020, 1865, 158704.	2.4	5
153	Bacillus anthracisâ€™ PA63 Delivers the Tumor Metastasis Suppressor Protein NDPK-A/NME1 into Breast Cancer Cells. International Journal of Molecular Sciences, 2020, 21, 3295.	4.1	5
154	Role of the Ang2â€"Tie2 Axis in Vascular Damage Driven by High Glucose or Nucleoside Diphosphate Kinase B Deficiency. International Journal of Molecular Sciences, 2020, 21, 3713.	4.1	5
155	RhoGEF17â€"An Essential Regulator of Endothelial Cell Death and Growth. Cells, 2021, 10, 741.	4.1	5
156	The orphan receptor GPRC5B activates pro-inflammatory signaling in the vascular wall via Fyn and NFÎºB. Biochemical and Biophysical Research Communications, 2022, 592, 60-66.	2.1	5
157	Targeting altered Nme heterooligomerization in disease?. Oncotarget, 2018, 9, 1492-1493.	1.8	4
158	Mediation of FoxO1 in Activated Neuroglia Deficient for Nucleoside Diphosphate Kinase B during Vascular Degeneration. Neuroglia (Basel, Switzerland), 2018, 1, 280-291.	0.9	3
159	Further intracellular proteins and signaling pathways regulated by angiotensin-(1â€"7) in human endothelial cells. Data in Brief, 2017, 10, 354-363.	1.0	2
160	RGS3L allows for an M2 muscarinic receptor-mediated RhoA-dependent inotropy in cardiomyocytes. Basic Research in Cardiology, 2022, 117, 8.	5.9	2
161	Specificity and Diversity in G i/o -Mediated Signaling. Circulation Research, 2006, 98, 585-586.	4.5	1
162	Cytoskeletal inhibitors impair Ca2+ elevations via neuropeptide Y and other Gi-coupled receptors. European Journal of Pharmacology, 1996, 309, 87-94.	3.5	0

#	Article	IF	Citations
163	Heterotrimeric Guanine Nucleotide Binding Proteins: Structure and Function. , 1997, , 1-24.		0
164	Human and Pathogen Derived Ndpks Act As Novel Damps and PAMPs to Drive Leukemia Cell Survival and Progression through Signaling Via the TLR4-Mediated Alternative NLRP3 Inflammasome Pathway. Blood, 2019, 134, 2684-2684.	1.4	0