

# Thomas Wieland

## List of Publications by Citations

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151  
papers

5,547  
citations

41  
h-index

68  
g-index

158  
ext. papers

6,327  
ext. citations

6.2  
avg, IF

5.49  
L-index

#	Paper	IF	Citations
151	Enhanced sarcoplasmic reticulum Ca <sup>2+</sup> leak and increased Na <sup>+</sup> -Ca <sup>2+</sup> exchanger function underlie delayed afterdepolarizations in patients with chronic atrial fibrillation. <i>Circulation</i> , <b>2012</b> , 125, 2059-70	16.7	395
150	Angiopoietin-2 differentially regulates angiogenesis through TIE2 and integrin signaling. <i>Journal of Clinical Investigation</i> , <b>2012</b> , 122, 1991-2005	15.9	295
149	Structure of Galphaq-p63RhoGEF-RhoA complex reveals a pathway for the activation of RhoA by GPCRs. <i>Science</i> , <b>2007</b> , 318, 1923-7	33.3	173
148	Alterations in cardiac DNA methylation in human dilated cardiomyopathy. <i>EMBO Molecular Medicine</i> , <b>2013</b> , 5, 413-29	12	166
147	Role of RyR2 phosphorylation at S2814 during heart failure progression. <i>Circulation Research</i> , <b>2012</b> , 110, 1474-83	15.7	158
146	The guanine nucleotide exchange factor p63RhoGEF, a specific link between Gq/11-coupled receptor signaling and RhoA. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 11134-9	5.4	152
145	Regulators of G-protein signalling: multifunctional proteins with impact on signalling in the cardiovascular system <b>2003</b> , 97, 95-115		108
144	Angiotensin II type 2 receptor inhibits vascular endothelial growth factor-induced migration and in vitro tube formation of human endothelial cells. <i>Circulation Research</i> , <b>2003</b> , 93, 438-47	15.7	104
143	Activation of heterotrimeric G proteins by a high energy phosphate transfer via nucleoside diphosphate kinase (NDPK) B and Gbeta subunits. Complex formation of NDPK B with Gbeta gamma dimers and phosphorylation of His-266 IN Gbeta. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 7220-6	5.4	104
142	Paving the Rho in cancer metastasis: Rho GTPases and beyond. <i>Pharmacology &amp; Therapeutics</i> , <b>2018</b> , 183, 1-21	13.9	93
141	Dual role of protein kinase C on BK channel regulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 8005-10	11.5	88
140	Direct stimulation of receptor-controlled phospholipase D1 by phospho-cofilin. <i>EMBO Journal</i> , <b>2007</b> , 26, 4189-202	13	88
139	Protein kinase D selectively targets cardiac troponin I and regulates myofilament Ca <sup>2+</sup> sensitivity in ventricular myocytes. <i>Circulation Research</i> , <b>2007</b> , 100, 864-73	15.7	88
138	Expression of ten RGS proteins in human myocardium: functional characterization of an upregulation of RGS4 in heart failure. <i>Cardiovascular Research</i> , <b>2002</b> , 55, 778-86	9.9	82
137	The natriuretic peptide/guanylyl cyclase--a system functions as a stress-responsive regulator of angiogenesis in mice. <i>Journal of Clinical Investigation</i> , <b>2009</b> , 119, 2019-30	15.9	79
136	Activation of heterotrimeric G proteins by a high energy phosphate transfer via nucleoside diphosphate kinase (NDPK) B and Gbeta subunits. Specific activation of Galpha by an NDPK B.Gbetagamma complex in H10 cells. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 7227-33	5.4	76
135	Anaphylactic shock depends on endothelial Gq/G11. <i>Journal of Experimental Medicine</i> , <b>2009</b> , 206, 411-20	16.6	75

134	The M3 muscarinic acetylcholine receptor expressed in HEK-293 cells signals to phospholipase D via G12 but not Gq-type G proteins: regulators of G proteins as tools to dissect pertussis toxin-resistant G proteins in receptor-effector coupling. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 2474-9	5.4	71
133	The interaction of nucleoside diphosphate kinase B with Gbetagamma dimers controls heterotrimeric G protein function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 16269-74	11.5	64
132	Inhibition of Rho-dependent kinases ROCK I/II activates VEGF-driven retinal neovascularization and sprouting angiogenesis. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2009</b> , 296, H893-9	5.2	64
131	Lipopolysaccharides induced inflammatory responses and electrophysiological dysfunctions in human-induced pluripotent stem cell derived cardiomyocytes. <i>Scientific Reports</i> , <b>2017</b> , 7, 2935	4.9	63
130	Regulation of the extracellular signal-regulated kinase pathway in adult myocardium: differential roles of G(q/11), Gi and G(12/13) proteins in signalling by alpha1-adrenergic, endothelin-1 and thrombin-sensitive protease-activated receptors. <i>Cellular Signalling</i> , <b>2005</b> , 17, 655-64	4.9	63
129	TrioQ Rho-specific GEF domain is the missing Galpha q effector in <i>C. elegans</i> . <i>Genes and Development</i> , <b>2007</b> , 21, 2731-46	12.6	61
128	The role of nucleoside-diphosphate kinase reactions in G protein activation of NADPH oxidase by guanine and adenine nucleotides. <i>FEBS Journal</i> , <b>1988</b> , 175, 51-5		61
127	Angiotensin II modulates VEGF-driven angiogenesis by opposing effects of type 1 and type 2 receptor stimulation in the microvascular endothelium. <i>Cellular Signalling</i> , <b>2012</b> , 24, 1261-9	4.9	60
126	The beta-subunit of G proteins is a substrate of protein histidine phosphatase. <i>Biochemical and Biophysical Research Communications</i> , <b>2005</b> , 334, 1115-20	3.4	59
125	Regulators of G protein signalling: a spotlight on emerging functions in the cardiovascular system. <i>Current Opinion in Pharmacology</i> , <b>2007</b> , 7, 201-7	5.1	58
124	Adrenergic receptor stimulation causes cardiac hypertrophy via a G12/13-dependent pathway. <i>Cardiovascular Research</i> , <b>2012</b> , 96, 255-64	9.9	57
123	Modeling Short QT Syndrome Using Human-Induced Pluripotent Stem Cell-Derived Cardiomyocytes. <i>Journal of the American Heart Association</i> , <b>2018</b> , 7,	6	56
122	Regulation of cardiac cAMP synthesis and contractility by nucleoside diphosphate kinase B/G protein beta gamma dimer complexes. <i>Circulation Research</i> , <b>2007</b> , 100, 1191-9	15.7	55
121	NSC23766, a widely used inhibitor of Rac1 activation, additionally acts as a competitive antagonist at muscarinic acetylcholine receptors. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2013</b> , 347, 69-79	4.7	54
120	p63RhoGEF--a key mediator of angiotensin II-dependent signaling and processes in vascular smooth muscle cells. <i>FASEB Journal</i> , <b>2010</b> , 24, 4865-76	0.9	53
119	Atorvastatin desensitizes beta-adrenergic signaling in cardiac myocytes via reduced isoprenylation of G-protein gamma-subunits. <i>FASEB Journal</i> , <b>2006</b> , 20, 785-7	0.9	53
118	Activation of signal-transducing guanine-nucleotide-binding regulatory proteins by guanosine 5[gamma-thio]triphosphate. Information transfer by intermediately thiophosphorylated beta gamma subunits. <i>FEBS Journal</i> , <b>1991</b> , 196, 707-16		46
117	Alignment-Annotator web server: rendering and annotating sequence alignments. <i>Nucleic Acids Research</i> , <b>2014</b> , 42, W3-6	20.1	45

116	Molecular architecture of Galphao and the structural basis for RGS16-mediated deactivation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 6243-8	11.5	45
115	Highly invasive melanoma cells activate the vascular endothelium via an MMP-2/integrin $\alpha 5$ -induced secretion of VEGF-A. <i>American Journal of Pathology</i> , <b>2012</b> , 181, 693-705	5.8	44
114	Srgap3 <sup>+/?</sup> mice present a neurodevelopmental disorder with schizophrenia-related intermediate phenotypes. <i>FASEB Journal</i> , <b>2012</b> , 26, 4418-28	0.9	43
113	Palmitoylation and membrane association of the stress axis regulated insert (STREX) controls BK channel regulation by protein kinase C. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 32161-71	5.4	41
112	Oxytocin receptors differentially signal via Gq and Gi proteins in pregnant and nonpregnant rat uterine myocytes: implications for myometrial contractility. <i>Molecular Endocrinology</i> , <b>2007</b> , 21, 740-52		41
111	p63RhoGEF and GEFT are Rho-specific guanine nucleotide exchange factors encoded by the same gene. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , <b>2004</b> , 369, 540-6	3.4	41
110	Nucleoside diphosphate kinase as protein histidine kinase. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , <b>2015</b> , 388, 153-60	3.4	39
109	Interaction of nucleoside diphosphate kinase B with heterotrimeric G protein betagamma dimers: consequences on G protein activation and stability. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , <b>2007</b> , 374, 373-83	3.4	39
108	Phosphodiesterase 2 Protects Against Catecholamine-Induced Arrhythmia and Preserves Contractile Function After Myocardial Infarction. <i>Circulation Research</i> , <b>2017</b> , 120, 120-132	15.7	38
107	The Ca <sup>2+</sup> -dependent binding of calmodulin to an N-terminal motif of the heterotrimeric G protein beta subunit. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 18801-7	5.4	38
106	Melatonin receptor signaling in pregnant and nonpregnant rat uterine myocytes as probed by large conductance Ca <sup>2+</sup> -activated K <sup>+</sup> channel activity. <i>Molecular Endocrinology</i> , <b>2003</b> , 17, 2103-15		36
105	Galpho q allosterically activates and relieves autoinhibition of p63RhoGEF. <i>Cellular Signalling</i> , <b>2010</b> , 22, 1114-23	4.9	35
104	Receptor-regulated formation of GTP[gamma S] with subsequent persistent Gs-protein activation in membranes of human platelets. <i>FEBS Letters</i> , <b>1989</b> , 245, 189-93	3.8	35
103	Atrial natriuretic peptide-mediated inhibition of microcirculatory endothelial Ca <sup>2+</sup> and permeability response to histamine involves cGMP-dependent protein kinase I and TRPC6 channels. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2013</b> , 33, 2121-9	9.4	34
102	Constitutive serum response factor activation by the viral chemokine receptor homologue pUS28 is differentially regulated by Galpho(q/11) and Galpho(16). <i>Cellular Signalling</i> , <b>2008</b> , 20, 1528-37	4.9	33
101	Ion Channel Expression and Characterization in Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes. <i>Stem Cells International</i> , <b>2018</b> , 2018, 6067096	5	33
100	M2 muscarinic receptors induce airway smooth muscle activation via a dual, Gbetagamma-mediated inhibition of large conductance Ca <sup>2+</sup> -activated K <sup>+</sup> channel activity. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 21036-44	5.4	32
99	Pregnancy switches adrenergic signal transduction in rat and human uterine myocytes as probed by BKCa channel activity. <i>Journal of Physiology</i> , <b>2000</b> , 524 Pt 2, 339-52	3.9	32

98	ADP receptor-induced activation of guanine-nucleotide-binding proteins in human platelet membranes. <i>FEBS Journal</i> , <b>1992</b> , 207, 259-63		30
97	Managing risks in drug discovery: reproducibility of published findings. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , <b>2016</b> , 389, 353-60	3.4	29
96	Identification of G protein-coupled receptors potentially stimulating migration of human transitional-cell carcinoma cells. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , <b>1997</b> , 356, 769-76	3.4	29
95	RGS5 promotes arterial growth during arteriogenesis. <i>EMBO Molecular Medicine</i> , <b>2014</b> , 6, 1075-89	12	28
94	Cell cycle-dependent coupling of the vasopressin V1a receptor to different G proteins. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 32543-51	5.4	27
93	A mammalian Rho-specific guanine-nucleotide exchange factor (p164-RhoGEF) without a pleckstrin homology domain. <i>Biochemical Journal</i> , <b>2002</b> , 366, 721-8	3.8	26
92	Evidence for receptor-regulated phosphotransfer reactions involved in activation of the adenylate cyclase inhibitory G protein in human platelet membranes. <i>FEBS Journal</i> , <b>1989</b> , 183, 115-21		26
91	Essential role of sympathetic endothelin A receptors for adverse cardiac remodeling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 13499-504	11.5	25
90	The BTB-Kelch protein KLEIP controls endothelial migration and sprouting angiogenesis. <i>Circulation Research</i> , <b>2007</b> , 100, 1155-63	15.7	25
89	Receptor-stimulated guanine-nucleotide-triphosphate binding to guanine-nucleotide-binding regulatory proteins. Nucleotide exchange and beta-subunit-mediated phosphotransfer reactions. <i>FEBS Journal</i> , <b>1994</b> , 221, 25-33		25
88	Dissociation of guanosine 5Q[gamma-thio]triphosphate from guanine-nucleotide-binding regulatory proteins in native cardiac membranes. Regulation by nucleotides and muscarinic acetylcholine receptors. <i>FEBS Journal</i> , <b>1992</b> , 204, 725-31		25
87	Calcium/Calmodulin-Dependent Protein Kinase II Activity Persists During Chronic $\beta$ -Adrenoceptor Blockade in Experimental and Human Heart Failure. <i>Circulation: Heart Failure</i> , <b>2017</b> , 10, e003840	7.6	24
86	Endotoxin induces desensitization of cardiac endothelin-1 receptor signaling by increased expression of RGS4 and RGS16. <i>Cardiovascular Research</i> , <b>2002</b> , 53, 156-64	9.9	24
85	Catecholamines facilitate VEGF-dependent angiogenesis via $\beta$ -adrenoceptor-induced Epac1 and PKA activation. <i>Oncotarget</i> , <b>2017</b> , 8, 44732-44748	3.3	24
84	Distinct signaling pathways mediate cardiomyocyte phospholipase D stimulation by endothelin-1 and thrombin. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2002</b> , 34, 441-53	5.8	23
83	A phenomenological approach to assessing the effectiveness of COVID-19 related nonpharmaceutical interventions in Germany. <i>Safety Science</i> , <b>2020</b> , 131, 104924	5.8	23
82	Ion Channel Dysfunctions in Dilated Cardiomyopathy in Limb-Girdle Muscular Dystrophy. <i>Circulation Genomic and Precision Medicine</i> , <b>2018</b> , 11, e001893	5.2	22
81	An AKAP-Lbc-RhoA interaction inhibitor promotes the translocation of aquaporin-2 to the plasma membrane of renal collecting duct principal cells. <i>PLoS ONE</i> , <b>2018</b> , 13, e0191423	3.7	22

80	Pasteurella multocida toxin prevents osteoblast differentiation by transactivation of the MAP-kinase cascade via the G $\alpha$ (q/11)-p63RhoGEF-RhoA axis. <i>PLoS Pathogens</i> , <b>2013</b> , 9, e1003385	7.6	21
79	Regulator of G-protein signalling 3 redirects prototypical Gi-coupled receptors from Rac1 to RhoA activation. <i>Cellular Signalling</i> , <b>2007</b> , 19, 1229-37	4.9	21
78	Interaction of small G proteins with photoexcited rhodopsin. <i>FEBS Letters</i> , <b>1990</b> , 263, 195-8	3.8	21
77	Hyperthermia Influences the Effects of Sodium Channel Blocking Drugs in Human-Induced Pluripotent Stem Cell-Derived Cardiomyocytes. <i>PLoS ONE</i> , <b>2016</b> , 11, e0166143	3.7	21
76	G protein-coupled receptor kinase 2 promotes cardiac hypertrophy. <i>PLoS ONE</i> , <b>2017</b> , 12, e0182110	3.7	20
75	Nucleoside diphosphate kinase B deficiency causes a diabetes-like vascular pathology via up-regulation of endothelial angiopoietin-2 in the retina. <i>Acta Diabetologica</i> , <b>2016</b> , 53, 81-9	3.9	20
74	Dopamine and lipophilic derivates protect cardiomyocytes against cold preservation injury. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2014</b> , 348, 77-85	4.7	20
73	A novel player in cellular hypertrophy: Gi $\beta$ PI3K-dependent activation of the RacGEF TIAM-1 is required for $\beta$ adrenoceptor induced hypertrophy in neonatal rat cardiomyocytes. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2012</b> , 53, 165-75	5.8	20
72	Role of GDP in formyl-peptide-receptor-induced activation of guanine-nucleotide-binding proteins in membranes of HL 60 cells. <i>FEBS Journal</i> , <b>1992</b> , 205, 1201-6		20
71	Nucleoside diphosphate kinase B regulates angiogenesis through modulation of vascular endothelial growth factor receptor type 2 and endothelial adherens junction proteins. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2014</b> , 34, 2292-300	9.4	19
70	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. <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 6408-18	5.4	19
69	Through scaffolding and catalytic actions nucleoside diphosphate kinase B differentially regulates basal and $\beta$ adrenoceptor-stimulated cAMP synthesis. <i>Cellular Signalling</i> , <b>2011</b> , 23, 579-85	4.9	19
68	Nucleoside diphosphate kinase B is required for the formation of heterotrimeric G protein containing caveolae. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , <b>2011</b> , 384, 461-72	3.4	18
67	The activation of RhoC in vascular endothelial cells is required for the S1P receptor type 2-induced inhibition of angiogenesis. <i>Cellular Signalling</i> , <b>2013</b> , 25, 2478-84	4.9	17
66	LARG links histamine-H1-receptor-activated Gq to Rho-GTPase-dependent signaling pathways. <i>Cellular Signalling</i> , <b>2012</b> , 24, 652-63	4.9	17
65	Reduced viability of neuronal cells after overexpression of protein histidine phosphatase. <i>Neurochemistry International</i> , <b>2008</b> , 53, 132-6	4.4	17
64	G-protein betagamma-subunits contribute to the coupling specificity of the beta2-adrenergic receptor to G(s). <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , <b>2002</b> , 365, 231-41	3.4	17
63	Nucleoside Diphosphate Kinase-C Suppresses cAMP Formation in Human Heart Failure. <i>Circulation</i> , <b>2017</b> , 135, 881-897	16.7	16

62	Polarity exchange at the interface of regulators of G protein signaling with G protein alpha-subunits. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 28500-6	5.4	16
61	Contribution of nucleoside diphosphokinase to guanine nucleotide regulation of agonist binding to formyl peptide receptors. <i>European Journal of Pharmacology</i> , <b>1991</b> , 208, 17-23		16
60	A cellular model of Brugada syndrome with SCN10A variants using human-induced pluripotent stem cell-derived cardiomyocytes. <i>Europace</i> , <b>2019</b> , 21, 1410-1421	3.9	15
59	Mechanism and functional impact of CD40 ligand-induced von Willebrand factor release from endothelial cells. <i>Thrombosis and Haemostasis</i> , <b>2015</b> , 113, 1095-108	7	15
58	Alterations in reversible protein histidine phosphorylation as intracellular signals in cardiovascular disease. <i>Frontiers in Pharmacology</i> , <b>2015</b> , 6, 173	5.6	15
57	GrinchGEF--a novel Rho-specific guanine nucleotide exchange factor. <i>Biochemical and Biophysical Research Communications</i> , <b>2005</b> , 335, 1280-6	3.4	15
56	High energy phosphate transfer by NDPK B/Gbetagammacomplexes--an alternative signaling pathway involved in the regulation of basal cAMP production. <i>Journal of Bioenergetics and Biomembranes</i> , <b>2006</b> , 38, 197-203	3.7	15
55	Interleukin-1beta mediates endotoxin- and tumor necrosis factor alpha-induced RGS16 protein expression in cultured cardiac myocytes. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , <b>2003</b> , 368, 360-5	3.4	15
54	Epac1 links prostaglandin E2 to Eatenin-dependent transcription during epithelial-to-mesenchymal transition. <i>Oncotarget</i> , <b>2016</b> , 7, 46354-46370	3.3	15
53	Reversible histidine phosphorylation in mammalian cells: a teeter-totter formed by nucleoside diphosphate kinase and protein histidine phosphatase 1. <i>Methods in Enzymology</i> , <b>2010</b> , 471, 379-402	1.7	14
52	Hypertension-evoked RhoA activity in vascular smooth muscle cells requires RGS5. <i>FASEB Journal</i> , <b>2018</b> , 32, 2021-2035	0.9	14
51	p63RhoGEF regulates auto- and paracrine signaling in cardiac fibroblasts. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2015</b> , 88, 39-54	5.8	13
50	Studying Brugada Syndrome With an SCN1B Variants in Human-Induced Pluripotent Stem Cell-Derived Cardiomyocytes. <i>Frontiers in Cell and Developmental Biology</i> , <b>2019</b> , 7, 261	5.7	13
49	Drug Testing in Human-Induced Pluripotent Stem Cell-Derived Cardiomyocytes From a Patient With Short QT Syndrome Type 1. <i>Clinical Pharmacology and Therapeutics</i> , <b>2019</b> , 106, 642-651	6.1	12
48	Nucleoside diphosphate kinase B-activated intermediate conductance potassium channels are critical for neointima formation in mouse carotid arteries. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2015</b> , 35, 1852-61	9.4	12
47	Identification of intracellular proteins and signaling pathways in human endothelial cells regulated by angiotensin-(1-7). <i>Journal of Proteomics</i> , <b>2016</b> , 130, 129-39	3.9	11
46	Inflammation leads through PGE/EP signaling to HDAC5/MEF2-dependent transcription in cardiac myocytes. <i>EMBO Molecular Medicine</i> , <b>2018</b> , 10,	12	11
45	Role of the monomeric GTPase Rho in hematopoietic progenitor cell migration and transplantation. <i>European Journal of Immunology</i> , <b>2006</b> , 36, 180-9	6.1	11

44	Differential coupling of m-cholinoceptors to Gi/Go-proteins in failing human myocardium. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2003</b> , 35, 1241-9	5.8	11
43	RhoGEF17, a Rho-specific guanine nucleotide exchange factor activated by phosphorylation via cyclic GMP-dependent kinase I <i>Cellular Signalling</i> , <b>2013</b> , 25, 630-8	4.9	10
42	Nucleoside diphosphate kinase B regulates angiogenic responses in the endothelium via caveolae formation and c-Src-mediated caveolin-1 phosphorylation. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2017</b> , 37, 2471-2484	7.3	10
41	Signalling components involved in the coupling of alpha 1-adrenoceptors to phospholipase D in neonatal rat cardiac myocytes. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , <b>2002</b> , 365, 468-76	3.4	10
40	Receptor-stimulated dissociation of GTP[S] from Gi-proteins in membranes of HL-60 cells. <i>Cellular Signalling</i> , <b>1993</b> , 5, 425-33	4.9	10
39	Dynamics of Gq-protein-p63RhoGEF interaction and its regulation by RGS2. <i>Biochemical Journal</i> , <b>2014</b> , 458, 131-40	3.8	9
38	Translocation of microfilament-associated inhibitory guanine-nucleotide-binding proteins to the plasma membrane in myeloid differentiated human leukemia (HL-60) cells. <i>FEBS Journal</i> , <b>1996</b> , 235, 670-6		9
37	Altered guanine nucleoside triphosphate binding to transducin by cholera toxin-catalysed ADP-ribosylation. <i>Cellular Signalling</i> , <b>1994</b> , 6, 487-92	4.9	9
36	Flatten the Curve! Modeling SARS-CoV-2/COVID-19 Growth in Germany at the County Level		8
35	The orphan receptor GPRC5B modulates inflammatory and fibrotic pathways in cardiac fibroblasts and mice hearts. <i>Biochemical and Biophysical Research Communications</i> , <b>2019</b> , 514, 1198-1203	3.4	7
34	O-GlcNAcylation of FoxO1 mediates nucleoside diphosphate kinase B deficiency induced endothelial damage. <i>Scientific Reports</i> , <b>2018</b> , 8, 10581	4.9	7
33	Competition for Gβ dimers mediates a specific cross-talk between stimulatory and inhibitory G protein β subunits of the adenylyl cyclase in cardiomyocytes. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , <b>2013</b> , 386, 459-69	3.4	7
32	RhoA Activation Sensitizes Cells to Proteotoxic Stimuli by Abrogating the HSF1-Dependent Heat Shock Response. <i>PLoS ONE</i> , <b>2015</b> , 10, e0133553	3.7	7
31	Reduced expression of Rho guanine nucleotide dissociation inhibitor-alpha modulates the cytotoxic effect of busulfan in HEK293 cells. <i>Anti-Cancer Drugs</i> , <b>2007</b> , 18, 333-40	2.4	7
30	Receptor-induced translocation of activated guanine-nucleotide-binding protein alpha i subunits to the cytoskeleton in myeloid differentiated human leukemia (HL-60) cells. <i>FEBS Journal</i> , <b>1996</b> , 239, 752-8		7
29	Regulation of heterotrimeric G-protein signaling by NDPK/NME proteins and caveolins: an update. <i>Laboratory Investigation</i> , <b>2018</b> , 98, 190-197	5.9	7
28	Nucleoside Diphosphate Kinase B Contributes to Arrhythmogenesis in Human-Induced Pluripotent Stem Cell-Derived Cardiomyocytes from a Patient with Arrhythmogenic Right Ventricular Cardiomyopathy. <i>Journal of Clinical Medicine</i> , <b>2020</b> , 9,	5.1	6
27	Can a GDP-liganded G-protein be active?. <i>Molecular Pharmacology</i> , <b>2005</b> , 68, 559-62	4.3	6



26	REAT: A Regional Economic Analysis Toolbox for R. <i>Region</i> , <b>2019</b> , 6, R1-R57	1.2	6
25	A systemic <i>Pasteurella multocida</i> toxin aggravates cardiac hypertrophy and fibrosis in mice. <i>Cellular Microbiology</i> , <b>2015</b> , 17, 1320-31	3.9	5
24	Flatten the Curve!. <i>Region</i> , <b>2020</b> , 7, 43-83	1.2	5
23	Market Area Analysis for Retail and Service Locations with MCI. <i>R Journal</i> , <b>2017</b> , 9, 298	3.3	5
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20	cAMP guided his way: a life for G protein-mediated signal transduction and molecular pharmacology-tribute to Karl H. Jakobs. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , <b>2019</b> , 392, 887-911	3.4	2
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16	Change points in the spread of COVID-19 question the effectiveness of nonpharmaceutical interventions in Germany		2
15	RhoGEF17-An Essential Regulator of Endothelial Cell Death and Growth. <i>Cells</i> , <b>2021</b> , 10,	7.9	2
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