

Ulrich Walter

List of Publications by Year in descending order

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252
papers

21,789
citations

4960

84
h-index

9861

141
g-index

261
all docs

261
docs citations

261
times ranked

15995
citing authors

#	ARTICLE	IF	CITATIONS
1	NO at work. Cell, 1994, 78, 919-925.	28.9	1,519
2	The nitric oxide and cGMP signal transduction system: regulation and mechanism of action. Biochimica Et Biophysica Acta - Molecular Cell Research, 1993, 1178, 153-175.	4.1	687
3	The first comprehensive and quantitative analysis of human platelet protein composition allows the comparative analysis of structural and functional pathways. Blood, 2012, 120, e73-e82.	1.4	623
4	Effects of Angiotensin II Infusion on the Expression and Function of NAD(P)H Oxidase and Components of Nitric Oxide/cGMP Signaling. Circulation Research, 2002, 90, E58-65.	4.5	592
5	Resistance to thienopyridines: Clinical detection of coronary stent thrombosis by monitoring of vasodilator-stimulated phosphoprotein phosphorylation. Catheterization and Cardiovascular Interventions, 2003, 59, 295-302.	1.7	458
6	Ca ²⁺ current is regulated by cyclic GMP-dependent protein kinase in mammalian cardiac myocytes.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 1197-1201.	7.1	452
7	A novel proline-rich motif present in ActA of Listeria monocytogenes and cytoskeletal proteins is the ligand for the EVH1 domain, a protein module present in the Ena/VASP family. EMBO Journal, 1997, 16, 5433-5444.	7.8	372
8	Distinct and specific functions of cGMP-dependent protein kinases. Trends in Biochemical Sciences, 1997, 22, 307-312.	7.5	366
9	Labeling platelets with cyclic nucleotides ¹¹ Abbreviations: ABP, actin-binding protein; AC, adenylate cyclase; cAMP, cyclic AMP; cAMP-PK, cAMP-dependent protein kinase; cGMP, cyclic GMP; cGMP-PK, cGMP-dependent protein kinase; DAG, 1,2-diacylglycerol; EDRF, endothelium-derived relaxing factor; GC, guanylate cyclase; GP, glycoprotein; Hsp27, heat shock protein 27; IP3, inositol 1,4,5- trisphosphate; IRAC, IP3 receptor-associated cGMP-PK substrate; MAPK, mitogen-activated protein kinase; MAPKAP-2, MAPK-activated. Biochemical Pharmacology, 2001, 62, 1153-1161.	4.4	303
10	Physiology and Pathophysiology of Vascular Signaling Controlled by Cyclic Guanosine 3',5'-Cyclic Monophosphate-Dependent Protein Kinase. Circulation, 2003, 108, 2172-2183.	1.6	300
11	Analysis and Regulation of Vasodilator-stimulated Phosphoprotein Serine 239 Phosphorylation in Vitro and in Intact Cells Using a Phosphospecific Monoclonal Antibody. Journal of Biological Chemistry, 1998, 273, 20029-20035.	3.4	297
12	Immunohistochemical localization of cyclic GMP-dependent protein kinase in mammalian brain.. Proceedings of the National Academy of Sciences of the United States of America, 1981, 78, 653-657.	7.1	292
13	Flow Cytometry Analysis of Intracellular VASP Phosphorylation for the Assessment of Activating and Inhibitory Signal Transduction Pathways in Human Platelets. Thrombosis and Haemostasis, 1999, 82, 1145-1152.	3.4	290
14	Microinjection of catalytic subunit of cyclic AMP-dependent protein kinase enhances calcium action potentials of bag cell neurons in cell culture. Proceedings of the National Academy of Sciences of the United States of America, 1980, 77, 7487-7491.	7.1	278
15	Cyclic GMP-Dependent Protein Kinases and the Cardiovascular System. Circulation Research, 2003, 93, 907-916.	4.5	265
16	The EVH2 Domain of the Vasodilator-stimulated Phosphoprotein Mediates Tetramerization, F-actin Binding, and Actin Bundle Formation. Journal of Biological Chemistry, 1999, 274, 23549-23557.	3.4	256
17	Anatomy of cerebellar Purkinje cells in the rat determined by a specific immunohistochemical marker. Neuroscience, 1984, 11, 761-IN2.	2.3	249
18	Vasodilator-Stimulated Phosphoprotein Serine 239 Phosphorylation as a Sensitive Monitor of Defective Nitric Oxide/cGMP Signaling and Endothelial Dysfunction. Circulation Research, 2000, 87, 999-1005.	4.5	245

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19	Dysfunctional nitric oxide signalling increases risk of myocardial infarction. <i>Nature</i> , 2013, 504, 432-436.	27.8	230
20	Phosphorylation of Focal Adhesion Vasodilator-stimulated Phosphoprotein at Ser157 in Intact Human Platelets Correlates with Fibrinogen Receptor Inhibition. <i>FEBS Journal</i> , 1994, 225, 21-27.	0.2	223
21	Megakaryocyte hyperplasia and enhanced agonist-induced platelet activation in vasodilator-stimulated phosphoprotein knockout mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 8120-8125.	7.1	220
22	Specific Impairment of Human Platelet P2Y AC ADP Receptor-mediated Signaling by the Antiplatelet Drug Clopidogrel. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1999, 19, 2007-2011.	2.4	216
23	A neuronal nitric oxide synthase (NOS-I) haplotype associated with schizophrenia modifies prefrontal cortex function. <i>Molecular Psychiatry</i> , 2006, 11, 286-300.	7.9	204
24	Actin-based motility: stop and go with Ena/VASP proteins. <i>Trends in Biochemical Sciences</i> , 2001, 26, 243-249.	7.5	199
25	Platelet NAD(P)H-oxidase-generated ROS production regulates α IIb β 3-integrin activation independent of the NO/cGMP pathway. <i>Blood</i> , 2005, 106, 2757-2760.	1.4	195
26	Heterogeneous distribution of the cAMP receptor protein RII in the nervous system: evidence for its intracellular accumulation on microtubules, microtubule-organizing centers, and in the area of the Golgi complex. <i>Journal of Cell Biology</i> , 1986, 103, 189-203.	5.2	193
27	Presynaptic and Postsynaptic Roles of NO, cGK, and RhoA in Long-Lasting Potentiation and Aggregation of Synaptic Proteins. <i>Neuron</i> , 2005, 45, 389-403.	8.1	193
28	Physiological role of cGMP and cGMP-dependent protein kinase in the cardiovascular system. , 1989, 113, 41-88.		179
29	High-affinity binding of the regulatory subunit (RII) of cAMP-dependent protein kinase to microtubule-associated and other cellular proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1984, 81, 6723-6727.	7.1	178
30	YC-1 Potentiates Nitric Oxide- and Carbon Monoxide-Induced Cyclic GMP Effects in Human Platelets. <i>Molecular Pharmacology</i> , 1998, 54, 962-967.	2.3	177
31	Identification, purification, and characterization of a zyxin-related protein that binds the focal adhesion and microfilament protein VASP (vasodilator-stimulated phosphoprotein). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995, 92, 7956-7960.	7.1	176
32	Role of cGMP and cGMP-dependent protein kinase in nitrovasodilator inhibition of agonist-evoked calcium elevation in human platelets. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1992, 89, 1031-1035.	7.1	175
33	Signal transduction by cGMP in heart. <i>Basic Research in Cardiology</i> , 1991, 86, 503-514.	5.9	168
34	Monitoring of Clopidogrel Action: Comparison of Methods. <i>Clinical Chemistry</i> , 2005, 51, 957-965.	3.2	165
35	Functional and Biochemical Analysis of Endothelial (Dys)function and NO/cGMP Signaling in Human Blood Vessels With and Without Nitroglycerin Pretreatment. <i>Circulation</i> , 2002, 105, 1170-1175.	1.6	164
36	Concentration and regulation of cyclic nucleotides, cyclic-nucleotide-dependent protein kinases and one of their major substrates in human platelets. Estimating the rate of cAMP-regulated and cGMP-regulated protein phosphorylation in intact cells. <i>FEBS Journal</i> , 1992, 205, 471-481.	0.2	158

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37	Phosphoproteome of Resting Human Platelets. <i>Journal of Proteome Research</i> , 2008, 7, 526-534.	3.7	154
38	Cloning, expression, and in situ localization of rat intestinal cGMP-dependent protein kinase II. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994, 91, 9426-9430.	7.1	145
39	Analysis of the functional role of cGMP-dependent protein kinase in intact human platelets using a specific activator 8-para-chlorophenylthio-cGMP. <i>Biochemical Pharmacology</i> , 1992, 43, 2591-2600.	4.4	144
40	The bacterial actin nucleator protein ActA of <i>Listeria monocytogenes</i> contains multiple binding sites for host microfilament proteins. <i>Current Biology</i> , 1995, 5, 517-525.	3.9	144
41	Nebivolol Prevents Vascular NOS III Uncoupling in Experimental Hyperlipidemia and Inhibits NADPH Oxidase Activity in Inflammatory Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2003, 23, 615-621.	2.4	144
42	Purification of a vasodilator-regulated phosphoprotein from human platelets. <i>FEBS Journal</i> , 1989, 185, 41-50.	0.2	143
43	The Human Platelet Membrane Proteome Reveals Several New Potential Membrane Proteins. <i>Molecular and Cellular Proteomics</i> , 2005, 4, 1754-1761.	3.8	143
44	Calcium-dependent membrane association sensitizes soluble guanylyl cyclase to nitric oxide. <i>Nature Cell Biology</i> , 2002, 4, 307-311.	10.3	142
45	The cGMP-dependent protein kinase-gene, protein, and function. <i>Neurochemical Research</i> , 1993, 18, 27-42.	3.3	141
46	VASP interaction with vinculin: a recurring theme of interactions with proline-rich motifs. <i>FEBS Letters</i> , 1996, 399, 103-107.	2.8	138
47	Elucidation of N-Glycosylation Sites on Human Platelet Proteins. <i>Molecular and Cellular Proteomics</i> , 2006, 5, 226-233.	3.8	137
48	Molecular cloning and predicted full-length amino acid sequence of the type II ² isozyme of cGMP-dependent protein kinase from human placenta. <i>FEBS Letters</i> , 1989, 255, 321-329.	2.8	136
49	Effects of In Vivo Nitroglycerin Treatment on Activity and Expression of the Guanylyl Cyclase and cGMP-Dependent Protein Kinase and Their Downstream Target Vasodilator-Stimulated Phosphoprotein in Aorta. <i>Circulation</i> , 2001, 103, 2188-2194.	1.6	132
50	EVH1 domains: structure, function and interactions. <i>FEBS Letters</i> , 2002, 513, 45-52.	2.8	132
51	Thrombin and Collagen Induce a Feedback Inhibitory Signaling Pathway in Platelets Involving Dissociation of the Catalytic Subunit of Protein Kinase A from an NF κ B-IR β Complex. <i>Journal of Biological Chemistry</i> , 2010, 285, 18352-18363.	3.4	128
52	Functional analysis of cGMP-dependent protein kinases I and II as mediators of NO/cGMP effects. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 1998, 358, 134-139.	3.0	126
53	Enhanced in vivo platelet adhesion in vasodilator-stimulated phosphoprotein (VASP)-deficient mice. <i>Blood</i> , 2004, 103, 136-142.	1.4	126
54	Inhibition of cGMP-dependent protein kinase by (Rp)-guanosine 3',5'-monophosphorothioates. <i>FEBS Letters</i> , 1990, 263, 47-50.	2.8	125

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55	Novel role of the membrane-bound chemokine fractalkine in platelet activation and adhesion. <i>Blood</i> , 2004, 103, 407-412.	1.4	124
56	Endogenous expression of type II cGMP-dependent protein kinase mRNA and protein in rat intestine. Implications for cystic fibrosis transmembrane conductance regulator.. <i>Journal of Clinical Investigation</i> , 1995, 96, 822-830.	8.2	123
57	Vasodilator-stimulated protein phosphorylation in platelets is mediated by cAMP- and cGMP-dependent protein kinases. <i>FEBS Journal</i> , 1987, 167, 441-448.	0.2	122
58	Real-time Monitoring of the PDE2 Activity of Live Cells. <i>Journal of Biological Chemistry</i> , 2005, 280, 1716-1719.	3.4	122
59	Dual epitope recognition by the VASP EVH1 domain modulates polyproline ligand specificity and binding affinity. <i>EMBO Journal</i> , 2000, 19, 4903-4914.	7.8	120
60	Gut microbiota regulate hepatic von Willebrand factor synthesis and arterial thrombus formation via Toll-like receptor-2. <i>Blood</i> , 2017, 130, 542-553.	1.4	119
61	Normalization of nomenclature for peptide motifs as ligands of modular protein domains. <i>FEBS Letters</i> , 2002, 513, 141-144.	2.8	118
62	Regulation of Human Endothelial Cell Focal Adhesion Sites and Migration by cGMP-dependent Protein Kinase I. <i>Journal of Biological Chemistry</i> , 2000, 275, 25723-25732.	3.4	115
63	Differential effects of diabetes on the expression of the gp91phox homologues nox1 and nox4. <i>Free Radical Biology and Medicine</i> , 2005, 39, 381-391.	2.9	115
64	Role for peroxynitrite in the inhibition of prostacyclin synthase in nitrate tolerance. <i>Journal of the American College of Cardiology</i> , 2003, 42, 1826-1834.	2.8	114
65	Platelet membrane proteomics: a novel repository for functional research. <i>Blood</i> , 2009, 114, e10-e19.	1.4	114
66	KT5823 Inhibits cGMP-dependent Protein Kinase Activity in Vitro but Not in Intact Human Platelets and Rat Mesangial Cells. <i>Journal of Biological Chemistry</i> , 2000, 275, 33536-33541.	3.4	113
67	Dipyridamole Enhances NO/cGMP-Mediated Vasodilator-Stimulated Phosphoprotein Phosphorylation and Signaling in Human Platelets. <i>Stroke</i> , 2003, 34, 764-769.	2.0	111
68	Cytoskeleton assembly at endothelial cell-cell contacts is regulated by β -II-spectrin-VASP complexes. <i>Journal of Cell Biology</i> , 2008, 180, 205-219.	5.2	110
69	Mutations in <i>Drosophila</i> Enabled and Rescue by Human Vasodilator-stimulated Phosphoprotein (VASP) Indicate Important Functional Roles for Ena/VASP Homology Domain 1 (EVH1) and EVH2 Domains. <i>Molecular Biology of the Cell</i> , 1998, 9, 2157-2171.	2.1	108
70	Neonatal platelets from cord blood and peripheral blood. <i>Platelets</i> , 2005, 16, 203-210.	2.3	108
71	NO-synthase-independent regulation of human and murine platelet soluble guanylyl cyclase activity. <i>Journal of Thrombosis and Haemostasis</i> , 2008, 6, 1376-1384.	3.8	106
72	The VASP tetramerization domain is a right-handed coiled coil based on a 15-residue repeat. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 17027-17032.	7.1	104

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73	Potent inhibition of human platelets by cGMP analogs independent of cGMP-dependent protein kinase. <i>Blood</i> , 2004, 103, 2593-2600.	1.4	104
74	Overexpression of Human Endothelial Nitric Oxide Synthase in Rat Vascular Smooth Muscle Cells and in Balloon-Injured Carotid Artery. <i>Circulation Research</i> , 1998, 82, 862-870.	4.5	103
75	PKC δ regulates collagen-induced platelet aggregation through inhibition of VASP-mediated filopodia formation. <i>Blood</i> , 2006, 108, 4035-4044.	1.4	99
76	Getting a first clue about SPRED functions. <i>BioEssays</i> , 2007, 29, 897-907.	2.5	97
77	What Can Proteomics Tell Us About Platelets?. <i>Circulation Research</i> , 2014, 114, 1204-1219.	4.5	97
78	Temporal quantitative phosphoproteomics of ADP stimulation reveals novel central nodes in platelet activation and inhibition. <i>Blood</i> , 2017, 129, e1-e12.	1.4	97
79	Expression of cGMP-Dependent Protein Kinase I and Phosphorylation of Its Substrate, Vasodilator-Stimulated Phosphoprotein, in Human Endothelial Cells of Different Origin. <i>Circulation Research</i> , 1995, 77, 897-905.	4.5	96
80	Demonstration of cGMP-dependent protein kinase and cGMP-dependent phosphorylation in cell-free extracts of platelets. <i>FEBS Journal</i> , 1986, 158, 203-210.	0.2	95
81	AMP-activated Protein Kinase Impairs Endothelial Actin Cytoskeleton Assembly by Phosphorylating Vasodilator-stimulated Phosphoprotein. <i>Journal of Biological Chemistry</i> , 2007, 282, 4601-4612.	3.4	95
82	An β -Actinin Binding Site of Zyxin Is Essential for Subcellular Zyxin Localization and β -Actinin Recruitment. <i>Journal of Biological Chemistry</i> , 1999, 274, 13410-13418.	3.4	92
83	Vasodilator-Stimulated Phosphoprotein Regulates Proliferation and Growth Inhibition by Nitric Oxide in Vascular Smooth Muscle Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2004, 24, 1403-1408.	2.4	90
84	Role of Cyclic Nucleotide-Dependent Protein Kinases and Their Common Substrate VASP in the Regulation of Human Platelets. <i>Advances in Experimental Medicine and Biology</i> , 1993, 344, 237-249.	1.6	88
85	Single L-type Ca ²⁺ channel regulation by cGMP-dependent protein kinase type I in adult cardiomyocytes from PKG I transgenic mice. <i>Cardiovascular Research</i> , 2003, 60, 268-277.	3.8	86
86	The role of VASP in regulation of cAMP- and Rac 1-mediated endothelial barrier stabilization. <i>American Journal of Physiology - Cell Physiology</i> , 2008, 294, C178-C188.	4.6	86
87	cGMP and cGMP-Dependent Protein Kinase in Platelets and Blood Cells. <i>Handbook of Experimental Pharmacology</i> , 2009, , 533-548.	1.8	86
88	cGMP Stimulation of Cystic Fibrosis Transmembrane Conductance Regulator Cl ⁻ Channels Co-expressed with cGMP-dependent Protein Kinase Type II but Not Type I ² . <i>Journal of Biological Chemistry</i> , 1997, 272, 4195-4200.	3.4	84
89	Platelet-localized FXI promotes a vascular coagulation-inflammatory circuit in arterial hypertension. <i>Science Translational Medicine</i> , 2017, 9, .	12.4	84
90	Ligand specificity and ticlopidine effects distinguish three human platelet ADP receptors. <i>European Journal of Pharmacology</i> , 1998, 351, 235-246.	3.5	81

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91	Gut Microbial Colonization Orchestrates TLR2 Expression, Signaling and Epithelial Proliferation in the Small Intestinal Mucosa. <i>PLoS ONE</i> , 2014, 9, e113080.	2.5	81
92	Time-resolved characterization of cAMP/PKA-dependent signaling reveals that platelet inhibition is a concerted process involving multiple signaling pathways. <i>Blood</i> , 2014, 123, e1-e10.	1.4	80
93	Analysis of SAGE data in human platelets: Features of the transcriptome in an anucleate cell. <i>Thrombosis and Haemostasis</i> , 2006, 95, 643-651.	3.4	79
94	Effects of oral niacin on endothelial dysfunction in patients with coronary artery disease: Results of the randomized, double-blind, placebo-controlled INEF study. <i>Atherosclerosis</i> , 2009, 204, 216-221.	0.8	77
95	Effects of the NO/soluble guanylate cyclase/cGMP system on the functions of human platelets. <i>Nitric Oxide - Biology and Chemistry</i> , 2018, 76, 71-80.	2.7	77
96	Immunocytochemical characterization of neuron-ricprimary cultures of embryonic rat brain cells by established neuronal and glial markers and by monospecific antisera against cyclic nucleotide-dependent protein kinases and the synaptic vesicle protein synapsin I. <i>Brain Research</i> , 1986, 363, 205-221.	2.2	76
97	Enhanced N-Glycosylation Site Analysis of Sialoglycopeptides by Strong Cation Exchange Prefractionation Applied to Platelet Plasma Membranes. <i>Molecular and Cellular Proteomics</i> , 2007, 6, 1933-1941.	3.8	76
98	A single loading dose of clopidogrel causes dose-dependent improvement of endothelial dysfunction in patients with stable coronary artery disease: Results of a double-blind, randomized study. <i>Atherosclerosis</i> , 2008, 196, 689-695.	0.8	75
99	Frozen tissue sections as an experimental system to reveal specific binding sites for the regulatory subunit of type II cAMP-dependent protein kinase in neurons.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1982, 79, 5562-5566.	7.1	74
100	Adverse effects of nitroglycerin treatment on endothelial function, vascular nitrotyrosine levels and cGMP-dependent protein kinase activity in hyperlipidemic Watanabe rabbits. <i>Journal of the American College of Cardiology</i> , 2002, 40, 1356-1363.	2.8	71
101	Activation of cGMP-dependent Protein Kinase β Inhibits Interleukin 2 Release and Proliferation of T Cell Receptor-stimulated Human Peripheral T Cells. <i>Journal of Biological Chemistry</i> , 2001, 276, 5967-5974.	3.4	70
102	Platelet Protein Interactions. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008, 28, 1326-1331.	2.4	70
103	Variable extent of clopidogrel responsiveness in patients after coronary stenting. <i>Thrombosis and Haemostasis</i> , 2004, 92, 1201-1206.	3.4	67
104	Phosphorylation of vasodilator-stimulated phosphoprotein: a consequence of nitric oxide- and cGMP-mediated signal transduction in brain capillary endothelial cells and astrocytes. <i>Molecular Brain Research</i> , 1999, 67, 258-266.	2.3	66
105	Distribution of Cyclic cGMP-dependent Protein Kinase in Various Rat Tissues and Cell Lines Determined by a Sensitive and Specific Radioimmunoassay. <i>FEBS Journal</i> , 1981, 118, 339-346.	0.2	63
106	Tracking functions of cGMP-dependent protein kinases (cGK). <i>Frontiers in Bioscience - Landmark</i> , 2005, 10, 1313.	3.0	61
107	Bradykinin regulates the level of guanosine 3',5'-cyclic monophosphate (cyclic GMP) in neural cell lines. <i>Brain Research</i> , 1984, 290, 367-371.	2.2	60
108	HIV-1 gp120 receptor on CD4-negative brain cells activates a tyrosine kinase. <i>Virology</i> , 1992, 191, 765-772.	2.4	60

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109	Expression and subcellular localization of Spred proteins in mouse and human tissues. <i>Histochemistry and Cell Biology</i> , 2004, 122, 527-538.	1.7	60
110	Inhibition of platelet activation in congestive heart failure by aldosterone receptor antagonism and ACE inhibition. <i>Thrombosis and Haemostasis</i> , 2003, 89, 1024-1030.	3.4	57
111	Dephosphorylation of the focal adhesion protein VASP in vitro and in intact human platelets. <i>FEBS Letters</i> , 1995, 370, 184-188.	2.8	55
112	Phosphorylation of Vasodilator-Stimulated Phosphoprotein Prevents Platelet-Neutrophil Complex Formation and Dampens Myocardial Ischemia-Reperfusion Injury. <i>Circulation</i> , 2011, 123, 2579-2590.	1.6	55
113	Endothelium-dependent and -independent relaxation and VASP serines 157/239 phosphorylation by cyclic nucleotide-elevating vasodilators in rat aorta. <i>Biochemical Pharmacology</i> , 2003, 65, 397-405.	4.4	53
114	Platelets promote coagulation factor XII-mediated proteolytic cascade systems in plasma. <i>Biological Chemistry</i> , 2006, 387, 173-178.	2.5	53
115	High factor VIII (FVIII) levels in venous thromboembolism: role of unbound FVIII. <i>Thrombosis and Haemostasis</i> , 2004, 92, 42-46.	3.4	52
116	Inhibition of agonist-induced p42 and p38 mitogen-activated protein kinase phosphorylation and CD40 ligand/P-selectin expression by cyclic nucleotide-regulated pathways in human platelets. <i>Biochemical Pharmacology</i> , 2000, 60, 1399-1407.	4.4	51
117	Increased effects of C-type natriuretic peptide on contractility and calcium regulation in murine hearts overexpressing cyclic GMP-dependent protein kinase I. <i>British Journal of Pharmacology</i> , 2003, 140, 1227-1236.	5.4	51
118	The Microbiota Promotes Arterial Thrombosis in Low-Density Lipoprotein Receptor-Deficient Mice. <i>MBio</i> , 2019, 10, .	4.1	50
119	Steroid Hormones May Regulate Autophosphorylation of Adenosine-3',5'-Monophosphate-Dependent Protein Kinase in Target Tissues. <i>FEBS Journal</i> , 1981, 114, 539-548.	0.2	49
120	Gene Disruption of Spred-2 Causes Dwarfism. <i>Journal of Biological Chemistry</i> , 2005, 280, 28572-28580.	3.4	49
121	Distribution, cellular localization, and postnatal development of VASP and Mena expression in mouse tissues. <i>Histochemistry and Cell Biology</i> , 2001, 116, 535-543.	1.7	47
122	Platelet regulation by NO/cGMP signaling and NAD(P)H oxidase-generated ROS. <i>Blood Cells, Molecules, and Diseases</i> , 2006, 36, 166-170.	1.4	47
123	Quality of oral anticoagulation with phenprocoumon in regular medical care and its potential for improvement in a telemedicine-based coagulation service – results from the prospective, multi-center, observational cohort study thrombEVAL. <i>BMC Medicine</i> , 2015, 13, 14.	5.5	47
124	Effect of chronic treatment with acetylsalicylic acid and clopidogrel on atheroprogession and atherothrombosis in ApoE-deficient mice in vivo. <i>Thrombosis and Haemostasis</i> , 2008, 99, 190-195.	3.4	46
125	Cyclic nucleotide elevating vasodilators inhibit platelet aggregation at an early step of the activation cascade. <i>European Journal of Pharmacology</i> , 1989, 159, 317-320.	3.5	45
126	Insulin stimulates the L-type Ca ²⁺ current in rat cardiac myocytes. <i>Cardiovascular Research</i> , 1999, 42, 113-120.	3.8	45

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127	Thrombin stimulation of p38 MAP kinase in human platelets is mediated by ADP and thromboxane A2 and inhibited by cGMP/cGMP-dependent protein kinase. <i>Blood</i> , 2007, 109, 616-618.	1.4	45
128	Indirect regulation of Ca ²⁺ entry by cAMP-dependent and cGMP-dependent protein kinases and phospholipase C in rat platelets. <i>FEBS Journal</i> , 1994, 223, 543-551.	0.2	43
129	Understanding platelets. <i>Thrombosis and Haemostasis</i> , 2005, 94, 916-925.	3.4	43
130	Adenosine 3',5'-Monophosphate-Dependent Protein Kinase and Granulosa Cell Responsiveness to Gonadotropins*. <i>Endocrinology</i> , 1984, 114, 2190-2198.	2.8	42
131	Stimulation of L-type Ca ²⁺ current in human atrial myocytes by insulin. <i>Cardiovascular Research</i> , 1999, 44, 390-397.	3.8	42
132	Increased Spreading, Rac/p21-activated Kinase (PAK) Activity, and Compromised Cell Motility in Cells Deficient in Vasodilator-stimulated Phosphoprotein (VASP). <i>Journal of Biological Chemistry</i> , 2002, 277, 45604-45610.	3.4	42
133	Differentiation of cGMP-dependent and -independent nitric oxide effects on platelet apoptosis and reactive oxygen species production using platelets lacking soluble guanylyl cyclase. <i>Thrombosis and Haemostasis</i> , 2011, 106, 922-933.	3.4	42
134	Vasodilator-stimulated Phosphoprotein Activation of Serum-response Element-dependent Transcription Occurs Downstream of RhoA and Is Inhibited by cGMP-dependent Protein Kinase Phosphorylation. <i>Journal of Biological Chemistry</i> , 2004, 279, 10397-10407.	3.4	41
135	Inflammation-associated repression of vasodilator-stimulated phosphoprotein (VASP) reduces alveolar capillary barrier function during acute lung injury. <i>FASEB Journal</i> , 2009, 23, 4244-4255.	0.5	41
136	The new INNOVANCE® PFA P2Y cartridge is sensitive to the detection of the P2Y ₁₂ receptor inhibition. <i>Platelets</i> , 2011, 22, 19-25.	2.3	41
137	Phosphorylation of CalDAG-GEFI by protein kinase A prevents Rap1b activation. <i>Journal of Thrombosis and Haemostasis</i> , 2013, 11, 1574-1582.	3.8	41
138	Dual role of the p38 MAPK/cPLA 2 pathway in the regulation of platelet apoptosis induced by ABT-737 and strong platelet agonists. <i>Cell Death and Disease</i> , 2013, 4, e931-e931.	6.3	41
139	Disruption of cardiac Ena-VASP protein localization in intercalated disks causes dilated cardiomyopathy. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2003, 285, H2471-H2481.	3.2	39
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