

Ulrich Walter

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

249
papers

19,482
citations

79
h-index

133
g-index

261
ext. papers

20,810
ext. citations

6.5
avg, IF

6.26
L-index

#	Paper	IF	Citations
249	NO at work. <i>Cell</i> , 1994 , 78, 919-25	56.2	1375
248	The nitric oxide and cGMP signal transduction system: regulation and mechanism of action. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1993 , 1178, 153-75	4.9	605
247	Effects of angiotensin II infusion on the expression and function of NAD(P)H oxidase and components of nitric oxide/cGMP signaling. <i>Circulation Research</i> , 2002 , 90, E58-65	15.7	519
246	The first comprehensive and quantitative analysis of human platelet protein composition allows the comparative analysis of structural and functional pathways. <i>Blood</i> , 2012 , 120, e73-82	2.2	485
245	Ca ²⁺ current is regulated by cyclic GMP-dependent protein kinase in mammalian cardiac myocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1991 , 88, 1197-201	11.5	408
244	Resistance to thienopyridines: clinical detection of coronary stent thrombosis by monitoring of vasodilator-stimulated phosphoprotein phosphorylation. <i>Catheterization and Cardiovascular Interventions</i> , 2003 , 59, 295-302	2.7	402
243	Distinct and specific functions of cGMP-dependent protein kinases. <i>Trends in Biochemical Sciences</i> , 1997 , 22, 307-12	10.3	336
242	A novel proline-rich motif present in ActA of <i>Listeria monocytogenes</i> and cytoskeletal proteins is the ligand for the EVH1 domain, a protein module present in the Ena/VASP family. <i>EMBO Journal</i> , 1997 , 16, 5433-44	13	330
241	Taming platelets with cyclic nucleotides. <i>Biochemical Pharmacology</i> , 2001 , 62, 1153-61	6	282
240	Analysis and regulation of vasodilator-stimulated phosphoprotein serine 239 phosphorylation in vitro and in intact cells using a phosphospecific monoclonal antibody. <i>Journal of Biological Chemistry</i> , 1998 , 273, 20029-35	5.4	270
239	Physiology and pathophysiology of vascular signaling controlled by guanosine 3',5'-cyclic monophosphate-dependent protein kinase [corrected]. <i>Circulation</i> , 2003 , 108, 2172-83	16.7	267
238	Immunohistochemical localization of cyclic GMP-dependent protein kinase in mammalian brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1981 , 78, 653-7	11.5	262
237	Microinjection of catalytic subunit of cyclic AMP-dependent protein kinase enhances calcium action potentials of bag cell neurons in cell culture. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1980 , 77, 7487-91	11.5	256
236	Flow Cytometry Analysis of Intracellular VASP Phosphorylation for the Assessment of Activating and Inhibitory Signal Transduction Pathways in Human Platelets. <i>Thrombosis and Haemostasis</i> , 1999 , 82, 1145-1152	7	249
235	Cyclic GMP-dependent protein kinases and the cardiovascular system: insights from genetically modified mice. <i>Circulation Research</i> , 2003 , 93, 907-16	15.7	239
234	Anatomy of cerebellar Purkinje cells in the rat determined by a specific immunohistochemical marker. <i>Neuroscience</i> , 1984 , 11, 761-817	3.9	238
233	Vasodilator-stimulated phosphoprotein serine 239 phosphorylation as a sensitive monitor of defective nitric oxide/cGMP signaling and endothelial dysfunction. <i>Circulation Research</i> , 2000 , 87, 999-1005	15.7	224

232	The EVH2 domain of the vasodilator-stimulated phosphoprotein mediates tetramerization, F-actin binding, and actin bundle formation. <i>Journal of Biological Chemistry</i> , 1999 , 274, 23549-57	5.4	220
231	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, 8120-5	11.5	205
230	Phosphorylation of focal adhesion vasodilator-stimulated phosphoprotein at Ser157 in intact human platelets correlates with fibrinogen receptor inhibition. <i>FEBS Journal</i> , 1994 , 225, 21-7		197
229	Specific impairment of human platelet P2Y ₁ (AC) ADP receptor-mediated signaling by the antiplatelet drug clopidogrel. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1999 , 19, 2007-11	9.4	187
228	Dysfunctional nitric oxide signalling increases risk of myocardial infarction. <i>Nature</i> , 2013 , 504, 432-6	50.4	185
227	A neuronal nitric oxide synthase (NOS-I) haplotype associated with schizophrenia modifies prefrontal cortex function. <i>Molecular Psychiatry</i> , 2006 , 11, 286-300	15.1	185
226	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	13.9	179
225	Actin-based motility: stop and go with Ena/VASP proteins. <i>Trends in Biochemical Sciences</i> , 2001 , 26, 243-9	10.3	178
224	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	7.3	174
223	Platelet NAD(P)H-oxidase-generated ROS production regulates alphaIIb beta3-integrin activation independent of the NO/cGMP pathway. <i>Blood</i> , 2005 , 106, 2757-60	2.2	170
222	YC-1 potentiates nitric oxide- and carbon monoxide-induced cyclic GMP effects in human platelets. <i>Molecular Pharmacology</i> , 1998 , 54, 962-7	4.3	166
221	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, 1031-5	11.5	159
220	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, 7956-60	11.5	157
219	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, 6723-7	11.5	154
218	Monitoring of clopidogrel action: comparison of methods. <i>Clinical Chemistry</i> , 2005 , 51, 957-65	5.5	152
217	Physiological role of cGMP and cGMP-dependent protein kinase in the cardiovascular system. <i>Reviews of Physiology, Biochemistry and Pharmacology</i> , 1989 , 113, 41-88	2.9	151
216	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, 1170-5	16.7	143
215	Phosphoproteome of resting human platelets. <i>Journal of Proteome Research</i> , 2008 , 7, 526-34	5.6	140

214	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, 9426-30	11.5	138
213	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, 2591-600	6	133
212	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, 471-81		131
211	The cGMP-dependent protein kinase--gene, protein, and function. <i>Neurochemical Research</i> , 1993 , 18, 27-42	4.6	130
210	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, 615-21	9.4	129
209	Calcium-dependent membrane association sensitizes soluble guanylyl cyclase to nitric oxide. <i>Nature Cell Biology</i> , 2002 , 4, 307-11	23.4	129
208	The human platelet membrane proteome reveals several new potential membrane proteins. <i>Molecular and Cellular Proteomics</i> , 2005 , 4, 1754-61	7.6	129
207	Elucidation of N-glycosylation sites on human platelet proteins: a glycoproteomic approach. <i>Molecular and Cellular Proteomics</i> , 2006 , 5, 226-33	7.6	127
206	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, 517-25	6.3	126
205	Purification of a vasodilator-regulated phosphoprotein from human platelets. <i>FEBS Journal</i> , 1989 , 185, 41-50		122
204	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, 2188-94	16.7	121
203	Molecular cloning and predicted full-length amino acid sequence of the type I beta isozyme of cGMP-dependent protein kinase from human placenta. Tissue distribution and developmental changes in rat. <i>FEBS Letters</i> , 1989 , 255, 321-9	3.8	120
202	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, 134-9	3.4	117
201	VASP interaction with vinculin: a recurring theme of interactions with proline-rich motifs. <i>FEBS Letters</i> , 1996 , 399, 103-7	3.8	117
200	Novel role of the membrane-bound chemokine fractalkine in platelet activation and adhesion. <i>Blood</i> , 2004 , 103, 407-12	2.2	112
199	Thrombin and collagen induce a feedback inhibitory signaling pathway in platelets involving dissociation of the catalytic subunit of protein kinase A from an NFkappaB-IkappaB complex. <i>Journal of Biological Chemistry</i> , 2010 , 285, 18352-63	5.4	111
198	Enhanced in vivo platelet adhesion in vasodilator-stimulated phosphoprotein (VASP)-deficient mice. <i>Blood</i> , 2004 , 103, 136-42	2.2	109
197	Vasodilator-stimulated protein phosphorylation in platelets is mediated by cAMP- and cGMP-dependent protein kinases. <i>FEBS Journal</i> , 1987 , 167, 441-8		109

196	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, 822-30	15.9	109
195	Differential effects of diabetes on the expression of the gp91phox homologues nox1 and nox4. <i>Free Radical Biology and Medicine</i> , 2005 , 39, 381-91	7.8	108
194	Platelet membrane proteomics: a novel repository for functional research. <i>Blood</i> , 2009 , 114, e10-9	2.2	106
193	EVH1 domains: structure, function and interactions. <i>FEBS Letters</i> , 2002 , 513, 45-52	3.8	106
192	Real-time monitoring of the PDE2 activity of live cells: hormone-stimulated cAMP hydrolysis is faster than hormone-stimulated cAMP synthesis. <i>Journal of Biological Chemistry</i> , 2005 , 280, 1716-9	5.4	105
191	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, 33536-41	5.4	105
190	Inhibition of cGMP-dependent protein kinase by (Rp)-guanosine 3',5'-bisphosphorothioates. <i>FEBS Letters</i> , 1990 , 263, 47-50	3.8	105
189	Dual epitope recognition by the VASP EVH1 domain modulates polyproline ligand specificity and binding affinity. <i>EMBO Journal</i> , 2000 , 19, 4903-14	13	103
188	Regulation of human endothelial cell focal adhesion sites and migration by cGMP-dependent protein kinase I. <i>Journal of Biological Chemistry</i> , 2000 , 275, 25723-32	5.4	102
187	Role for peroxynitrite in the inhibition of prostacyclin synthase in nitrate tolerance. <i>Journal of the American College of Cardiology</i> , 2003 , 42, 1826-34	15.1	101
186	NO-synthase-/NO-independent regulation of human and murine platelet soluble guanylyl cyclase activity. <i>Journal of Thrombosis and Haemostasis</i> , 2008 , 6, 1376-84	15.4	100
185	Cytoskeleton assembly at endothelial cell-cell contacts is regulated by alphaIIb-spectrin-VASP complexes. <i>Journal of Cell Biology</i> , 2008 , 180, 205-19	7.3	99
184	Normalization of nomenclature for peptide motifs as ligands of modular protein domains. <i>FEBS Letters</i> , 2002 , 513, 141-4	3.8	99
183	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, 2157-71	3.5	97
182	Potent inhibition of human platelets by cGMP analogs independent of cGMP-dependent protein kinase. <i>Blood</i> , 2004 , 103, 2593-600	2.2	94
181	Dipyridamole enhances NO/cGMP-mediated vasodilator-stimulated phosphoprotein phosphorylation and signaling in human platelets: in vitro and in vivo/ex vivo studies. <i>Stroke</i> , 2003 , 34, 764-9	6.7	93
180	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, 17027-32	11.5	91
179	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, 862-70	15.7	89

178	Demonstration of cGMP-dependent protein kinase and cGMP-dependent phosphorylation in cell-free extracts of platelets. <i>FEBS Journal</i> , 1986 , 158, 203-10		89
177	PKCdelta regulates collagen-induced platelet aggregation through inhibition of VASP-mediated filopodia formation. <i>Blood</i> , 2006 , 108, 4035-44	2.2	88
176	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	15.7	88
175	An alpha-actinin binding site of zyxin is essential for subcellular zyxin localization and alpha-actinin recruitment. <i>Journal of Biological Chemistry</i> , 1999 , 274, 13410-8	5.4	85
174	Neonatal platelets from cord blood and peripheral blood. <i>Platelets</i> , 2005 , 16, 203-10	3.6	84
173	AMP-activated protein kinase impairs endothelial actin cytoskeleton assembly by phosphorylating vasodilator-stimulated phosphoprotein. <i>Journal of Biological Chemistry</i> , 2007 , 282, 4601-4612	5.4	82
172	Getting a first clue about SPRED functions. <i>BioEssays</i> , 2007 , 29, 897-907	4.1	80
171	Differential regulation of platelet inhibition by cGMP- and cAMP-dependent protein kinases. <i>BMC Pharmacology & Toxicology</i> , 2013 , 14,	2.6	78
170	Platelet inhibitory effects of the NO independent sGC stimulator riociguat (Bay 63-2561). <i>BMC Pharmacology & Toxicology</i> , 2013 , 14,	2.6	78
169	Erythrocytes do not produce biologically active NO. <i>BMC Pharmacology & Toxicology</i> , 2015 , 16,	2.6	78
168	Specific PKG inhibitors: do they really exist?. <i>BMC Pharmacology</i> , 2011 , 11,		78
167	NO inhibits platelet apoptosis by cGMP-dependent and-independent pathways. <i>BMC Pharmacology</i> , 2009 , 9, P60		78
166	Cross-talk of inhibitory and stimulatory signalling pathways of human platelets. <i>BMC Pharmacology</i> , 2009 , 9,		78
165	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, 237-49	3.6	78
164	What can proteomics tell us about platelets?. <i>Circulation Research</i> , 2014 , 114, 1204-19	15.7	76
163	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, 1403-8	8.4	74
162	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, C178-88	5.4	73
161	Immunocytochemical characterization of neuron-rich primary 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, 205-21	3.7	72

160	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	2.2	71
159	cGMP stimulation of cystic fibrosis transmembrane conductance regulator Cl ⁻ channels co-expressed with cGMP-dependent protein kinase type II but not type Ibeta. <i>Journal of Biological Chemistry</i> , 1997 , 272, 4195-200	5.4	71
158	cGMP and cGMP-dependent protein kinase in platelets and blood cells. <i>Handbook of Experimental Pharmacology</i> , 2009 , 533-48	3.2	71
157	Gut microbiota regulate hepatic von Willebrand factor synthesis and arterial thrombus formation via Toll-like receptor-2. <i>Blood</i> , 2017 , 130, 542-553	2.2	70
156	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, 1933-41	7.6	70
155	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, 216-21	3.1	69
154	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, 689-95	3.1	69
153	Analysis of SAGE data in human platelets: Features of the transcriptome in an anucleate cell. <i>Thrombosis and Haemostasis</i> , 2006 , 95, 643-651	7	69
152	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, 268-77	9.9	69
151	Temporal quantitative phosphoproteomics of ADP stimulation reveals novel central nodes in platelet activation and inhibition. <i>Blood</i> , 2017 , 129, e1-e12	2.2	68
150	Gut microbial colonization orchestrates TLR2 expression, signaling and epithelial proliferation in the small intestinal mucosa. <i>PLoS ONE</i> , 2014 , 9, e113080	3.7	67
149	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, 5562-6	11.5	67
148	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, 1356-63	15.1	64
147	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, 258-66		64
146	Platelet protein interactions: map, signaling components, and phosphorylation groundstate. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008 , 28, 1326-31	9.4	63
145	Ligand specificity and ticlopidine effects distinguish three human platelet ADP receptors. <i>European Journal of Pharmacology</i> , 1998 , 351, 235-46	5.3	61
144	Activation of cGMP-dependent protein kinase Ibeta inhibits interleukin 2 release and proliferation of T cell receptor-stimulated human peripheral T cells. <i>Journal of Biological Chemistry</i> , 2001 , 276, 5967-74	5.4	61
143	Bradykinin regulates the level of guanosine 3',5'-cyclic monophosphate (cyclic GMP) in neural cell lines. <i>Brain Research</i> , 1984 , 290, 367-71	3.7	60

142	Distribution of cyclic-GMP-dependent protein kinase in various rat tissues and cell lines determined by a sensitive and specific radioimmunoassay. <i>FEBS Journal</i> , 1981 , 118, 339-46		59
141	Tracking functions of cGMP-dependent protein kinases (cGK). <i>Frontiers in Bioscience - Landmark</i> , 2005 , 10, 1313-28	2.8	58
140	Variable extent of clopidogrel responsiveness in patients after coronary stenting. <i>Thrombosis and Haemostasis</i> , 2004 , 92, 1201-6	7	54
139	Platelet-localized FXI promotes a vascular coagulation-inflammatory circuit in arterial hypertension. <i>Science Translational Medicine</i> , 2017 , 9,	17.5	53
138	Expression and subcellular localization of Spred proteins in mouse and human tissues. <i>Histochemistry and Cell Biology</i> , 2004 , 122, 527-38	2.4	50
137	HIV-1 gp120 receptor on CD4-negative brain cells activates a tyrosine kinase. <i>Virology</i> , 1992 , 191, 765-723.6		50
136	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	5	49
135	Platelets promote coagulation factor XII-mediated proteolytic cascade systems in plasma. <i>Biological Chemistry</i> , 2006 , 387, 173-8	4.5	49
134	Inhibition of platelet activation in congestive heart failure by aldosterone receptor antagonism and ACE inhibition. <i>Thrombosis and Haemostasis</i> , 2003 , 89, 1024-1030	7	49
133	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	6	49
132	High factor VIII (FVIII) levels in venous thromboembolism: role of unbound FVIII. <i>Thrombosis and Haemostasis</i> , 2004 , 92, 42-6	7	48
131	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, 1399-407	6	48
130	Dephosphorylation of the focal adhesion protein VASP in vitro and in intact human platelets. <i>FEBS Letters</i> , 1995 , 370, 184-8	3.8	47
129	Phosphorylation of vasodilator-stimulated phosphoprotein prevents platelet-neutrophil complex formation and dampens myocardial ischemia-reperfusion injury. <i>Circulation</i> , 2011 , 123, 2579-90	16.7	43
128	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, 190-5	7	42
127	Distribution, cellular localization, and postnatal development of VASP and Mena expression in mouse tissues. <i>Histochemistry and Cell Biology</i> , 2001 , 116, 535-43	2.4	42
126	Gene disruption of Spred-2 causes dwarfism. <i>Journal of Biological Chemistry</i> , 2005 , 280, 28572-80	5.4	41
125	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, 45604-10	5.4	41

124	Steroid hormones may regulate autophosphorylation of adenosine-3',5'-bisphosphate-dependent protein kinase in target tissues. <i>FEBS Journal</i> , 1981 , 114, 539-48		41
123	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, 1227-36	8.6	40
122	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, 543-51		40
121	Platelet regulation by NO/cGMP signaling and NAD(P)H oxidase-generated ROS. <i>Blood Cells, Molecules, and Diseases</i> , 2006 , 36, 166-70	2.1	39
120	Thrombin stimulation of p38 MAP kinase in human platelets is mediated by ADP and thromboxane A ₂ and inhibited by cGMP/cGMP-dependent protein kinase. <i>Blood</i> , 2007 , 109, 616-8	2.2	38
119	Understanding platelets. Lessons from proteomics, genomics and promises from network analysis. <i>Thrombosis and Haemostasis</i> , 2005 , 94, 916-25	7	38
118	Insulin stimulates the L-type Ca ²⁺ current in rat cardiac myocytes. <i>Cardiovascular Research</i> , 1999 , 42, 113-20	9.9	38
117	Phosphorylation of CalDAG-GEFI by protein kinase A prevents Rap1b activation. <i>Journal of Thrombosis and Haemostasis</i> , 2013 , 11, 1574-82	15.4	37
116	Cyclic nucleotide elevating vasodilators inhibit platelet aggregation at an early step of the activation cascade. <i>European Journal of Pharmacology</i> , 1989 , 159, 317-20	5.3	37
115	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, 10397-407	5.4	36
114	The new INNOVANCE [®] PFA P2Y cartridge is sensitive to the detection of the P2Y ₁ receptor inhibition. <i>Platelets</i> , 2011 , 22, 20-7	3.6	35
113	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	9.8	34
112	Inflammation-associated repression of vasodilator-stimulated phosphoprotein (VASP) reduces alveolar-capillary barrier function during acute lung injury. <i>FASEB Journal</i> , 2009 , 23, 4244-55	0.9	33
111	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, H2471-81	5.2	33
110	Stimulation of L-type Ca ²⁺ current in human atrial myocytes by insulin. <i>Cardiovascular Research</i> , 1999 , 44, 390-7	9.9	33
109	Evidence for anti-angiogenic and pro-survival functions of the cerebral cavernous malformation protein 3. <i>Neurogenetics</i> , 2011 , 12, 83-6	3	32
108	Synergistic phosphorylation of the focal adhesion-associated vasodilator-stimulated phosphoprotein in intact human platelets in response to cGMP- and cAMP-elevating platelet inhibitors. <i>Biochemical Pharmacology</i> , 1994 , 48, 1569-75	6	32
107	The vasodilator-stimulated phosphoprotein (VASP): target of YC-1 and nitric oxide effects in human and rat platelets. <i>Journal of Cardiovascular Pharmacology</i> , 2000 , 35, 390-7	3.1	32

106	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	11.4	31
105	Downregulation of AKT reverses platinum resistance of human ovarian cancers in vitro. <i>Oncology Reports</i> , 2012 , 28, 2023-8	3.5	30
104	High factor VIII levels in venous thromboembolism show linkage to imprinted loci on chromosomes 5 and 11. <i>Blood</i> , 2005 , 105, 638-44	2.2	30
103	Adenosine 3',5'-phosphonophosphate-dependent protein kinase and granulosa cell responsiveness to gonadotropins. <i>Endocrinology</i> , 1984 , 114, 2190-8	4.8	30
102	Photoaffinity labeling of the regulatory subunit of cAMP-dependent protein kinase. <i>Methods in Enzymology</i> , 1983 , 99, 154-62	1.7	29
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