

# Stepan Gambaryan

## List of Publications by Year in descending order

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117  
papers

5,688  
citations

81743

39  
h-index

79541

73  
g-index

120  
all docs

120  
docs citations

120  
times ranked

6383  
citing authors

#	ARTICLE	IF	CITATIONS
1	Curcumin by activation of adenosine A2A receptor stimulates protein kinase a and potentiates inhibitory effect of cangrelor on platelets. <i>Biochemical and Biophysical Research Communications</i> , 2022, 586, 20-26.	1.0	6
2	Cellular osmoregulation of the ark clam ( <i>Anadara kagoshimensis</i> ) hemocytes to hyposmotic media. <i>Journal of Experimental Zoology Part A: Ecological and Integrative Physiology</i> , 2022, 337, 434-439.	0.9	5
3	ML355 Modulates Platelet Activation and Prevents ABT-737 Induced Apoptosis in Platelets. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2022, 381, 164-175.	1.3	2
4	A modular systems biological modelling framework studies cyclic nucleotide signaling in platelets. <i>Journal of Theoretical Biology</i> , 2022, , 111222.	0.8	1
5	Xenotropic and polytropic retrovirus receptor 1 regulates procoagulant platelet polyphosphate. <i>Blood</i> , 2021, 137, 1392-1405.	0.6	21
6	Nitrous anhydrase activity of carbonic anhydrase II: cysteine is required for nitric oxide (NO) dependent phosphorylation of VASP in human platelets. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2021, 36, 525-534.	2.5	6
7	Low-Dose Ammonium Preconditioning Enhances Endurance in Submaximal Physical Exercises. <i>Sports</i> , 2021, 9, 29.	0.7	0
8	Proteomics: A Tool to Study Platelet Function. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4776.	1.8	12
9	Curcumin at Low Doses Potentiates and at High Doses Inhibits ABT-737-Induced Platelet Apoptosis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5405.	1.8	5
10	Chloride gradient is the driving force for ammonia/ammonium influx in human red blood cells. <i>FASEB Journal</i> , 2021, 35, .	0.2	0
11	Protein kinase A activity and NO are involved in the regulation of crucian carp ( <i>Carassius carassius</i> ) red blood cell osmotic fragility. <i>Fish Physiology and Biochemistry</i> , 2021, 47, 1105-1117.	0.9	1
12	Potential and limitations of PKA/ PKG inhibitors for platelet studies. <i>Platelets</i> , 2021, , 1-10.	1.1	0
13	Mechanisms of increased mitochondria-dependent necrosis in Wiskott-Aldrich syndrome platelets. <i>Haematologica</i> , 2020, 105, 1095-1106.	1.7	27
14	Feedback Regulation of Syk by Protein Kinase C in Human Platelets. <i>International Journal of Molecular Sciences</i> , 2020, 21, 176.	1.8	11
15	Microvesicle Formation Induced by Oxidative Stress in Human Erythrocytes. <i>Antioxidants</i> , 2020, 9, 929.	2.2	41
16	The RhoA regulators Myo9b and GEF $\beta$ 1 are targets of cyclic nucleotide-dependent kinases in platelets. <i>Journal of Thrombosis and Haemostasis</i> , 2020, 18, 3002-3012.	1.9	12
17	The Cell Cycle Checkpoint System MAST(L)-ENSA/ARPP19-PP2A is Targeted by cAMP/PKA and cGMP/PKG in Anucleate Human Platelets. <i>Cells</i> , 2020, 9, 472.	1.8	16
18	GC-MS and LC-MS/MS pilot studies on the guanidine (NG)-dimethylation in native, asymmetrically and symmetrically NG-dimethylated arginine-vasopressin peptides and proteins in human red blood cells. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2020, 1141, 122024.	1.2	5

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19	cAMP- and cGMP-elevating agents inhibit GPIIb/IIIa-mediated aggregation but not GPIIb/IIIa-stimulated Syk activation in human platelets. <i>Cell Communication and Signaling</i> , 2019, 17, 122.	2.7	14
20	The Direct Thrombin Inhibitors Dabigatran and Lepirudin Inhibit GPIIb/IIIa-Mediated Platelet Aggregation. <i>Thrombosis and Haemostasis</i> , 2019, 119, 916-929.	1.8	14
21	Hypoxia inhibits the regulatory volume decrease in red blood cells of common frog ( <i>Rana temporaria</i> ). <i>Tj ETQq1 1 0.784314 rgBT /Over</i> 219-220, 44-47.	0.8	7
22	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.	1.2	77
23	NAD Metabolome Analysis in Human Cells Using <sup>1</sup> H NMR Spectroscopy. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3906.	1.8	24
24	Multifaceted effects of arachidonic acid and interaction with cyclic nucleotides in human platelets. <i>Thrombosis Research</i> , 2018, 171, 22-30.	0.8	10
25	Temporal quantitative phosphoproteomics of ADP stimulation reveals novel central nodes in platelet activation and inhibition. <i>Blood</i> , 2017, 129, e1-e12.	0.6	97
26	Hypoxia impairs agonist-induced integrin $\alpha$ IIb $\beta$ 3 activation and platelet aggregation. <i>Scientific Reports</i> , 2017, 7, 7621.	1.6	16
27	Protein kinase A activation by the anti-cancer drugs ABT-737 and thymoquinone is caspase-3-dependent and correlates with platelet inhibition and apoptosis. <i>Cell Death and Disease</i> , 2017, 8, e2898-e2898.	2.7	23
28	Alterations of the platelet proteome in type I Glanzmann thrombasthenia caused by different homozygous delG frameshift mutations in ITGA2B. <i>Thrombosis and Haemostasis</i> , 2017, 117, 556-569.	1.8	23
29	PTH1R Mutants Found in Patients with Primary Failure of Tooth Eruption Disrupt G-Protein Signaling. <i>PLoS ONE</i> , 2016, 11, e0167033.	1.1	19
30	Erythrocytes do not activate purified and platelet soluble guanylate cyclases even in conditions favourable for NO synthesis. <i>Cell Communication and Signaling</i> , 2016, 14, 16.	2.7	22
31	Vasodilator-Stimulated Phosphoprotein (VASP)-dependent and -independent pathways regulate thrombin-induced activation of Rap1b in platelets. <i>Cell Communication and Signaling</i> , 2016, 14, 21.	2.7	28
32	Carbonic anhydrases are producers of S-nitrosothiols from inorganic nitrite and modulators of soluble guanylyl cyclase in human platelets. <i>Amino Acids</i> , 2016, 48, 1695-1706.	1.2	28
33	Flow Cytometry and Light Scattering Technique in Evaluation of Nutraceuticals. , 2016, , 319-332.		9
34	Erythrocytes do not produce biologically active NO. <i>BMC Pharmacology &amp; Toxicology</i> , 2015, 16, .	1.0	0
35	cGMP and cAMP pathways rearrange ARHGAP17 and ARHGEF6 protein complexes to control Rac1 in platelets. <i>BMC Pharmacology &amp; Toxicology</i> , 2015, 16, .	1.0	0
36	Cyclic Nucleotide-dependent Protein Kinases Target ARHGAP17 and ARHGEF6 Complexes in Platelets. <i>Journal of Biological Chemistry</i> , 2015, 290, 29974-29983.	1.6	28

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37	A review and discussion of platelet nitric oxide and nitric oxide synthase: do blood platelets produce nitric oxide from L-arginine or nitrite?. <i>Amino Acids</i> , 2015, 47, 1779-1793.	1.2	57
38	Human blood platelets lack nitric oxide synthase activity. <i>Platelets</i> , 2015, 26, 583-588.	1.1	24
39	What Can Proteomics Tell Us About Platelets?. <i>Circulation Research</i> , 2014, 114, 1204-1219.	2.0	97
40	A comparative analysis of the bistability switch for platelet aggregation by logic ODE based dynamical modeling. <i>Molecular BioSystems</i> , 2014, 10, 2082.	2.9	8
41	[ureido-15N]Citrulline UPLC-MS/MS nitric oxide synthase (NOS) activity assay: Development, validation, and applications to assess NOS uncoupling and human platelets NOS activity. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 965, 173-182.	1.2	14
42	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.	0.6	80
43	Echicetin Coated Polystyrene Beads: A Novel Tool to Investigate GPIb-Specific Platelet Activation and Aggregation. <i>PLoS ONE</i> , 2014, 9, e93569.	1.1	9
44	Mena/VASP and $\beta$ -II-Spectrin complexes regulate cytoplasmic actin networks in cardiomyocytes and protect from conduction abnormalities and dilated cardiomyopathy. <i>Cell Communication and Signaling</i> , 2013, 11, 56.	2.7	38
45	Differential regulation of platelet inhibition by cGMP- and cAMP-dependent protein kinases. <i>BMC Pharmacology &amp; Toxicology</i> , 2013, 14, .	1.0	0
46	Lack of effect of $\alpha$ -ODQ does not exclude cGMP signalling via NO-sensitive guanylyl cyclase. <i>British Journal of Pharmacology</i> , 2013, 170, 317-327.	2.7	27
47	Response: platelet transcriptome and proteome relation rather than correlation. <i>Blood</i> , 2013, 121, 5257-5258.	0.6	21
48	Differential roles of cAMP and cGMP in megakaryocyte maturation and platelet biogenesis. <i>Experimental Hematology</i> , 2013, 41, 91-101.e4.	0.2	17
49	Potential pitfalls with the use of acetoxylated (CH <sub>3</sub> COO) drugs in studies on nitric oxide synthase in platelets. <i>Nitric Oxide - Biology and Chemistry</i> , 2013, 28, 14-16.	1.2	3
50	Determination of ATP and ADP Secretion from Human and Mouse Platelets by an HPLC Assay. <i>Transfusion Medicine and Hemotherapy</i> , 2013, 40, 109-116.	0.7	26
51	Immune escape of AKT overexpressing ovarian cancer cells. <i>International Journal of Oncology</i> , 2013, 42, 1630-1635.	1.4	13
52	Soluble guanylyl cyclase is the only enzyme responsible for cyclic guanosine monophosphate synthesis in human platelets. <i>Thrombosis and Haemostasis</i> , 2013, 109, 973-975.	1.8	10
53	Does the NO/sGC/cGMP/PKG pathway play a stimulatory role in platelets?. <i>Blood</i> , 2012, 119, 5335-5336.	0.6	11
54	The oligopeptide DT $\beta$ 2 is a specific PKG I inhibitor only <i>in vitro</i> , not in living cells. <i>British Journal of Pharmacology</i> , 2012, 167, 826-838.	2.7	17

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55	Low angle light scattering analysis: a novel quantitative method for functional characterization of human and murine platelet receptors. <i>Clinical Chemistry and Laboratory Medicine</i> , 2012, 50, 1253-1262.	1.4	28
56	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-e82.	0.6	623
57	Frog urinary bladder epithelial cells express TLR4 and respond to bacterial LPS by increase of iNOS expression and L-arginine uptake. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2012, 303, R1042-R1052.	0.9	12
58	The Thr715Pro variant impairs terminal glycosylation of P-selectin. <i>Thrombosis and Haemostasis</i> , 2012, 108, 963-972.	1.8	10
59	The thrombin inhibitors hirudin and Refludan® activate the soluble guanylyl cyclase and the cGMP pathway in washed human platelets. <i>Thrombosis and Haemostasis</i> , 2012, 107, 521-529.	1.8	10
60	Functional hyper-IL-6 from vaccinia virus-colonized tumors triggers platelet formation and helps to alleviate toxicity of mitomycin C enhanced virus therapy. <i>Journal of Translational Medicine</i> , 2012, 10, 9.	1.8	12
61	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.	1.8	42
62	<i>Neisseria meningitidis</i> induces platelet inhibition and increases vascular endothelial permeability via nitric oxide regulated pathways. <i>Thrombosis and Haemostasis</i> , 2011, 106, 1127-1138.	1.8	10
63	Specific PKG inhibitors: do they really exist?. <i>BMC Pharmacology</i> , 2011, 11, .	0.4	0
64	Decreased renal corin expression contributes to sodium retention in proteinuric kidney diseases. <i>Kidney International</i> , 2010, 78, 650-659.	2.6	66
65	Thrombin and Collagen Induce a Feedback Inhibitory Signaling Pathway in Platelets Involving Dissociation of the Catalytic Subunit of Protein Kinase A from an NF- $\kappa$ B-IRAK Complex. <i>Journal of Biological Chemistry</i> , 2010, 285, 18352-18363.	1.6	128
66	cGMP and PKG Signaling in Platelets. , 2010, , 1563-1567.		0
67	Integrin-dependent translocation of LASP-1 to the cytoskeleton of activated platelets correlates with LASP-1 phosphorylation at tyrosine 171 by Src-kinase. <i>Thrombosis and Haemostasis</i> , 2009, 102, 520-528.	1.8	20
68	NO inhibits platelet apoptosis by cGMP-dependent and-independent pathways. <i>BMC Pharmacology</i> , 2009, 9, .	0.4	0
69	Cross-talk of inhibitory and stimulatory signalling pathways of human platelets. <i>BMC Pharmacology</i> , 2009, 9, .	0.4	0
70	Phosphatidylserine surface expression and integrin $\alpha$ IIb $\beta$ 3 activity on thrombin/convulxin stimulated platelets/particles of different sizes. <i>British Journal of Haematology</i> , 2009, 144, 591-602.	1.2	22
71	cGMP and cGMP-Dependent Protein Kinase in Platelets and Blood Cells. <i>Handbook of Experimental Pharmacology</i> , 2009, , 533-548.	0.9	86
72	The natriuretic peptide/guanylyl cyclase- $\text{A}$ system functions as a stress-responsive regulator of angiogenesis in mice. <i>Journal of Clinical Investigation</i> , 2009, 119, 2019-2030.	3.9	95

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73	Cyclic Nucleotide-Regulated Proliferation and Differentiation Vary in Human Hematopoietic Progenitor Cells Derived from Healthy Persons, Tumor Patients, and Chronic Myelocytic Leukemia Patients. <i>Stem Cells and Development</i> , 2008, 17, 81-92.	1.1	20
74	Phosphoproteome of Resting Human Platelets. <i>Journal of Proteome Research</i> , 2008, 7, 526-534.	1.8	154
75	The Heart Communicates with the Endothelium through the Guanylyl Cyclase-A Receptor: Acute Handling of Intravascular Volume in Response to Volume Expansion. <i>Endocrinology</i> , 2008, 149, 4193-4199.	1.4	27
76	Prostaglandin E2 inhibits vasotocin-induced osmotic water permeability in the frog urinary bladder by EP1-receptor-mediated activation of NO/cGMP pathway. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007, 293, R528-R537.	0.9	11
77	Phosphodiesterase 2A Forms a Complex with the Co-chaperone XAP2 and Regulates Nuclear Translocation of the Aryl Hydrocarbon Receptor. <i>Journal of Biological Chemistry</i> , 2007, 282, 13656-13663.	1.6	96
78	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.	0.6	45
79	Volatile anesthetics affect the morphology of rat glioma C6 cells via RhoA, ERK, and Akt activation. <i>Journal of Cellular Biochemistry</i> , 2007, 102, 368-376.	1.2	14
80	NO/cGMP/PKG pathway in platelets: inhibitory but not stimulatory. <i>BMC Pharmacology</i> , 2007, 7, .	0.4	0
81	Platelet regulation by NO/cGMP signaling and NAD(P)H oxidase-generated ROS. <i>Blood Cells, Molecules, and Diseases</i> , 2006, 36, 166-170.	0.6	47
82	Fluorescent sensors for rapid monitoring of intracellular cGMP. <i>Nature Methods</i> , 2006, 3, 23-25.	9.0	175
83	Phosphoproteomics of human platelets: A quest for novel activation pathways. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2006, 1764, 1963-1976.	1.1	35
84	Regulation of aldosterone production from zona glomerulosa cells by ANG II and cAMP: evidence for PKA-independent activation of CaMK by cAMP. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2006, 290, E423-E433.	1.8	33
85	Platelet NAD(P)H-oxidase-generated ROS production regulates $\alpha$ IIb $\beta$ 3-integrin activation independent of the NO/cGMP pathway. <i>Blood</i> , 2005, 106, 2757-2760.	0.6	195
86	Vasodilator-Stimulated Phosphoprotein-Deficient Mice Demonstrate Increased Platelet Activation but Improved Renal Endothelial Preservation and Regeneration in Passive Nephrotoxic Nephritis. <i>Journal of the American Society of Nephrology: JASN</i> , 2005, 16, 986-996.	3.0	25
87	Real-time Monitoring of the PDE2 Activity of Live Cells. <i>Journal of Biological Chemistry</i> , 2005, 280, 1716-1719.	1.6	122
88	L-Arginine Does Not Affect Renal Morphology and Cell Survival in Ischemic Acute Renal Failure in Rats. <i>Nephron Physiology</i> , 2005, 101, p39-p50.	1.5	16
89	Heme oxygenase-1 inhibition of MAP kinases, calcineurin/NFAT signaling, and hypertrophy in cardiac myocytes. <i>Cardiovascular Research</i> , 2004, 63, 545-552.	1.8	55
90	Potent inhibition of human platelets by cGMP analogs independent of cGMP-dependent protein kinase. <i>Blood</i> , 2004, 103, 2593-2600.	0.6	104

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91	Phosphorylation of mouse LASP-1 on threonine 156 by cAMP- and cGMP-dependent protein kinase. <i>Biochemical and Biophysical Research Communications</i> , 2004, 324, 308-316.	1.0	62
92	Roles of cGMP/cGMP-dependent protein kinase in platelet activation. <i>Blood</i> , 2004, 104, 2609-2609.	0.6	26
93	Interaction of the Plasma Membrane Ca <sup>2+</sup> Pump 4b/Cl with the Ca <sup>2+</sup> /Calmodulin-dependent Membrane-associated Kinase CASK. <i>Journal of Biological Chemistry</i> , 2003, 278, 9778-9783.	1.6	93
94	L-Arginine counteracts nitric oxide deficiency and improves the recovery phase of ischemic acute renal failure in rats. <i>Kidney International</i> , 2003, 64, 216-225.	2.6	75
95	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.	2.7	51
96	cGMP-dependent Protein Kinase Type II Regulates Basal Level of Aldosterone Production by Zona Glomerulosa Cells without Increasing Expression of the Steroidogenic Acute Regulatory Protein Gene. <i>Journal of Biological Chemistry</i> , 2003, 278, 29640-29648.	1.6	52
97	Single L-type Ca <sup>2+</sup> 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.	1.8	86
98	Oxidized LDL and its Compound Lysophosphatidylcholine Potentiate AngII-Induced Vasoconstriction by Stimulation of RhoA. <i>Journal of the American Society of Nephrology: JASN</i> , 2003, 14, 1471-1479.	3.0	40
99	Increased Sensitivity to Endothelial Nitric Oxide (NO) Contributes to Arterial Normotension in Mice with Vascular Smooth Muscle-selective Deletion of the Atrial Natriuretic Peptide (ANP) Receptor. <i>Journal of Biological Chemistry</i> , 2003, 278, 17963-17968.	1.6	12
100	Actin Binding of Human LIM and SH3 Protein Is Regulated by cGMP- and cAMP-dependent Protein Kinase Phosphorylation on Serine 146. <i>Journal of Biological Chemistry</i> , 2003, 278, 15601-15607.	1.6	93
101	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.	1.5	39
102	Increased effects of C-type natriuretic peptide on cardiac ventricular contractility and relaxation in guanylyl cyclase A-deficient mice. <i>Cardiovascular Research</i> , 2002, 53, 852-861.	1.8	61
103	Gene Transfer of cGMP-Dependent Protein Kinase I Enhances the Antihypertrophic Effects of Nitric Oxide in Cardiomyocytes. <i>Hypertension</i> , 2002, 39, 87-92.	1.3	128
104	Inhibition of cGMP-dependent protein kinase II by its own splice isoform. <i>Biochemical and Biophysical Research Communications</i> , 2002, 293, 1438-1444.	1.0	8
105	Presynaptic Role of cGMP-Dependent Protein Kinase during Long-Lasting Potentiation. <i>Journal of Neuroscience</i> , 2001, 21, 143-149.	1.7	162
106	Distribution, cellular localization, and postnatal development of VASP and Mena expression in mouse tissues. <i>Histochemistry and Cell Biology</i> , 2001, 116, 535-543.	0.8	47
107	Immunofluorescent imaging of $\beta$ <sup>2</sup> 1- and $\beta$ <sup>2</sup> 2-adrenergic receptors in rat kidney. <i>Kidney International</i> , 2001, 59, 515-531.	2.6	68
108	Activation of Cardiac c-Jun NH 2 -Terminal Kinases and p38-Mitogen-Activated Protein Kinases With Abrupt Changes in Hemodynamic Load. <i>Hypertension</i> , 2001, 37, 1222-1228.	1.3	56

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109	Activation of cGMP-dependent Protein Kinase $\text{I}\beta$ 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.	1.6	70
110	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.	1.6	113
111	Cloning and characterization of the transport modifier RS1 from rabbit which was previously assumed to be specific for Na <sup>+</sup> -d-glucose cotransport. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1999, 1417, 131-143.	1.4	24
112	K ATP channels are not essential for pressure-dependent control of renin secretion. <i>Pflugers Archiv European Journal of Physiology</i> , 1998, 435, 670-677.	1.3	12
113	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.	1.4	126
114	Expression of the Na <sup>+</sup> -d-glucose Cotransporter SGLT1 in Neurons. <i>Journal of Neurochemistry</i> , 1997, 69, 84-94.	2.1	101
115	Ontogenetic Aspects of Thallium-induced Nephrotoxicity in Rats. , 1996, 16, 235-243.		8
116	Functional and morphological aspects of thallium-induced nephrotoxicity in rats. <i>Toxicology</i> , 1995, 96, 203-215.	2.0	25
117	Drug excretion mediated by a new prototype of polyspecific transporter. <i>Nature</i> , 1994, 372, 549-552.	13.7	628