

Petr Svoboda

List of Publications by Year in descending order

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110
papers

1,946
citations

304368

22
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344852

36
g-index

113
all docs

113
docs citations

113
times ranked

1405
citing authors

#	ARTICLE	IF	CITATIONS
1	Stimulation of beta-adrenergic receptors of S49 lymphoma cells redistributes the alpha subunit of the stimulatory G protein between cytosol and membranes.. Proceedings of the National Academy of Sciences of the United States of America, 1989, 86, 7900-7903.	3.3	141
2	Catecholamines and the brain microsomal Na, K-adenosinetriphosphatase ^{ATPase} . Protection against lipoperoxidative damage. Biochemical Pharmacology, 1981, 30, 427-432.	2.0	113
3	Micromachined Nanocalorimetric Sensor for Ultra-Low-Volume Cell-Based Assays. Analytical Chemistry, 2002, 74, 2190-2197.	3.2	75
4	High Number of High-Affinity Binding Sites for (-)-[3H]Dihydroalprenolol on Isolated Hamster Brown-Fat Cells. A Study of the beta-Adrenergic Receptors. FEBS Journal, 1979, 102, 203-210.	0.2	56
5	Why are there so many adrenoceptor subtypes?. Biochemical Pharmacology, 1994, 48, 1059-1071.	2.0	49
6	G Proteins, β_2 -Adrenoreceptors and β_2 -Adrenergic Responsiveness in Immature and Adult Rat Ventricular Myocardium: Influence of Neonatal Hypo- and Hyperthyroidism. Journal of Molecular and Cellular Cardiology, 1999, 31, 761-772.	0.9	46
7	The long (Gs(alpha)-L) and short (Gs(alpha)-S) variants of the stimulatory guanine nucleotide-binding protein. Do they behave in an identical way?. Journal of Molecular Endocrinology, 1998, 20, 163-173.	1.1	45
8	Desensitisation of β_2 -Adrenergic Responsiveness <i>in vivo</i> . FEBS Journal, 1982, 128, 481-488.	0.2	44
9	Agonist-induced Internalization of the G Protein G11 β and Thyrotropin-releasing Hormone Receptors Proceed on Different Time Scales. Journal of Biological Chemistry, 1998, 273, 21699-21707.	1.6	42
10	Visualization of distinct patterns of subcellular redistribution of the thyrotropin-releasing hormone receptor-1 and Gq β /G11 β induced by agonist stimulation. Biochemical Journal, 1999, 340, 529-538.	1.7	36
11	Agonist-induced Transfer of the alpha Subunits of the Guanine-nucleotide-binding Regulatory Proteins Gq and G11, and of Muscarinic m1 Acetylcholine Receptors from Plasma Membranes to a Light-vesicular Membrane Fraction. FEBS Journal, 1994, 224, 455-462.	0.2	35
12	14-3-3 protein interacts with and affects the structure of RGS domain of regulator of G protein signaling 3 (RGS3). Journal of Structural Biology, 2010, 170, 451-461.	1.3	34
13	Molecular modeling of human MT2 melatonin receptor: the role of Val204, Leu272 and Tyr298 in ligand binding. Journal of Neurochemistry, 2004, 91, 836-842.	2.1	33
14	Lithium ^{Li} therapeutic tool endowed with multiple ^{Li} beneficiary effects caused by multiple mechanisms. Acta Neurobiologiae Experimentalis, 2016, 76, 1-19.	0.4	33
15	Attenuation of Gs β coupling efficiency in brown-adipose-tissue plasma membranes from cold-acclimated hamsters. Biochemical Journal, 1993, 295, 655-661.	1.7	31
16	FLIM studies of 22- and 25-NBD-cholesterol in living HEK293 cells: Plasma membrane change induced by cholesterol depletion. Chemistry and Physics of Lipids, 2013, 167-168, 62-69.	1.5	28
17	Ligand binding to the human MT2 melatonin receptor: The role of residues in transmembrane domains 3, 6, and 7. Biochemical and Biophysical Research Communications, 2005, 332, 726-734.	1.0	27
18	Differentiation of dicyclohexylcarbodiimide reactive sites of the ATPase complex in bovine heart mitochondria. Biochimica Et Biophysica Acta - Bioenergetics, 1981, 634, 331-339.	0.5	26

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19	Different sensitivity of ATP + Mg + Na (I) and Pi + Mg (II) dependent types of ouabain binding to phospholipase A2. <i>Journal of Membrane Biology</i> , 1988, 104, 211-221.	1.0	26
20	Expression of Opioid Receptors in Cells of the Immune System. <i>International Journal of Molecular Sciences</i> , 2021, 22, 315.	1.8	26
21	Altered myocardial Gs protein and adenylyl cyclase signaling in rats exposed to chronic hypoxia and normoxic recovery. <i>Journal of Applied Physiology</i> , 2003, 94, 2423-2432.	1.2	25
22	Catecholamines and the brain microsomal Na, K-adenosinetriphosphatase ^{II} . The mechanism of action. <i>Biochemical Pharmacology</i> , 1981, 30, 433-439.	2.0	23
23	Structure and function of the membrane-integral components of the mitochondrial H ⁺ -ATPase. <i>Journal of Bioenergetics and Biomembranes</i> , 1982, 14, 1-13.	1.0	23
24	Membrane fluidity in <i>Bacillus subtilis</i> . Physical change and biological adaptation. <i>Folia Microbiologica</i> , 1988, 33, 161-169.	1.1	23
25	Plasma-membrane-independent pool of the alpha subunit of the stimulatory guanine-nucleotide-binding regulatory protein in a low-density-membrane fraction of S49 lymphoma cells. <i>FEBS Journal</i> , 1992, 208, 693-698.	0.2	22
26	Impaired noradrenaline-induced lipolysis in white fat of aP2-Ucp1 transgenic mice is associated with changes in G-protein levels. <i>Biochemical Journal</i> , 2002, 364, 369-376.	1.7	22
27	Evaluation of the specific dicyclohexylcarbodiimide binding sites in brown adipose tissue mitochondria. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1981, 634, 321-330.	0.5	21
28	Thyrotropin-releasing hormone-induced depletion of Gq $\hat{1}\pm$ /G11 $\hat{1}\pm$ proteins from detergent-insensitive membrane domains. <i>FEBS Letters</i> , 1999, 464, 35-40.	1.3	21
29	Opposing changes of trimeric G protein levels during ontogenetic development of rat brain. <i>Developmental Brain Research</i> , 2002, 133, 57-67.	2.1	21
30	Proteomic analysis of protein composition of rat forebrain cortex exposed to morphine for 10 days; comparison with animals exposed to morphine and subsequently nurtured for 20 days in the absence of this drug. <i>Journal of Proteomics</i> , 2016, 145, 11-23.	1.2	21
31	Ontogenetic development of the G protein-mediated adenylyl cyclase signalling in rat brain. <i>Developmental Brain Research</i> , 2002, 133, 69-75.	2.1	20
32	Hormone-induced subcellular redistribution of trimeric G proteins. <i>Cellular and Molecular Life Sciences</i> , 2002, 59, 501-512.	2.4	20
33	Fluorescence spectroscopy studies of HEK293 cells expressing DOR-Gi1 $\hat{1}\pm$ fusion protein; the effect of cholesterol depletion. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011, 1808, 2819-2829.	1.4	20
34	Methodological Aspects of In Vitro Assessment of Bio-accessible Risk Element Pool in Urban Particulate Matter. <i>Biological Trace Element Research</i> , 2014, 161, 216-222.	1.9	20
35	Proteomic analysis of post-nuclear supernatant fraction and percoll-purified membranes prepared from brain cortex of rats exposed to increasing doses of morphine. <i>Proteome Science</i> , 2014, 12, 11.	0.7	20
36	The Short and Long Forms of the alpha Subunit of the Stimulatory Guanine-Nucleotide-Binding Protein are Unequally Redistributed During (-)-Isoproterenol-Mediated Desensitization of Intact S49 Lymphoma Cells. <i>FEBS Journal</i> , 1994, 226, 193-199.	0.2	20

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37	Vanadyl (VO ₂ ⁺) and vanadate (VO ₃ ³⁻) ions inhibit the brain microsomal Na,K-ATPase with similar affinities. Protection by transferrin and noradrenaline. <i>Biochemical Pharmacology</i> , 1984, 33, 2485-2491.	2.0	19
38	μ-Opioid receptors exhibit high efficiency when activating trimeric G proteins in membrane domains. <i>Journal of Neurochemistry</i> , 2003, 85, 34-49.	2.1	19
39	Maturation of rat brain is accompanied by differential expression of the long and short splice variants of Gs1± protein: identification of cytosolic forms of Gs1±. <i>Journal of Neurochemistry</i> , 2008, 79, 88-97.	2.1	19
40	Mg ²⁺ -induced changes of lipid order and conformation of (Na ⁺ + K ⁺)-ATPase. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1987, 905, 376-382.	1.4	18
41	The effect of detergents on trimeric G-protein activity in isolated plasma membranes from rat brain cortex: Correlation with studies of DPH and Laurdan fluorescence. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2009, 1788, 324-332.	1.4	18
42	The Impact of Morphine on the Characteristics and Function Properties of Human Mesenchymal Stem Cells. <i>Stem Cell Reviews and Reports</i> , 2018, 14, 801-811.	5.6	18
43	Dominant Portion of Thyrotropin-Releasing Hormone Receptor Is Excluded from Lipid Domains. Detergent-Resistant and Detergent-Sensitive Pools of TRH Receptor and Gq1±/G111± Protein. <i>Journal of Biochemistry</i> , 2005, 138, 111-125.	0.9	17
44	Membrane fluidity in <i>Bacillus subtilis</i> . Validity of homeoviscous adaptation. <i>Folia Microbiologica</i> , 1988, 33, 170-177.	1.1	16
45	Membrane-bound and cytosolic forms of heterotrimeric G proteins in young and adult rat myocardium: Influence of neonatal hypo- and hyperthyroidism. <i>Journal of Cellular Biochemistry</i> , 2001, 82, 215-224.	1.2	16
46	TRH-receptor mobility and function in intact and cholesterol-depleted plasma membrane of HEK293 cells stably expressing TRH-R-eGFP. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 781-796.	1.4	16
47	Long-term adaptation to high doses of morphine causes desensitization of mu-OR- and delta-OR-stimulated G-protein response in forebrain cortex but does not decrease the amount of G-protein alpha subunits. <i>Medical Science Monitor</i> , 2010, 16, BR260-70.	0.5	16
48	On the mechanism of catecholamine-induced hyperpolarization of skeletal muscle cells. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 1985, 329, 18-23.	1.4	14
49	Long-term agonist stimulation of IP prostanoid receptor depletes the cognate Gs1± protein in membrane domains but does not change the receptor level. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2004, 1691, 51-65.	1.9	14
50	Up-regulation of δ _{1/4} -, δ ₂ - and δ ₃ -opioid receptors in concanavalin A-stimulated rat spleen lymphocytes. <i>Journal of Neuroimmunology</i> , 2018, 321, 12-23.	1.1	14
51	Concurrent Compression of Phospholipid Membranes by Calcium and Cholesterol. <i>Langmuir</i> , 2019, 35, 11358-11368.	1.6	14
52	Na ⁺ /K ⁺ -ATPase and lipid peroxidation in forebrain cortex and hippocampus of sleep-deprived rats treated with therapeutic lithium concentration for different periods of time. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2020, 102, 109953.	2.5	14
53	Stoichiometry of dicyclohexylcarbodiimide-ATPase interaction in mitochondria. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1982, 680, 80-87.	0.5	13
54	Cytoplasmic membrane fluidity measurements on intact living cells of <i>Bacillus subtilis</i> by fluorescence anisotropy of 1,6-diphenyl-1,3,5-hexatriene. <i>Folia Microbiologica</i> , 1988, 33, 1-9.	1.1	13

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55	Up-regulation of adenylylcyclases I and II induced by long-term adaptation of rats to morphine fades away 20days after morphine withdrawal. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2011, 1810, 1220-1229.	1.1	13
56	Plasma membrane cholesterol level and agonist-induced internalization of $\hat{\mu}$ -opioid receptors; colocalization study with intracellular membrane markers of Rab family. <i>Journal of Bioenergetics and Biomembranes</i> , 2016, 48, 375-396.	1.0	13
57	Mechanisms of agonist-induced G-protein elimination. <i>Biochemical Society Transactions</i> , 1995, 23, 166-170.	1.6	12
58	Cold-induced reduction in $G_{i1\pm}$ proteins in brown adipose tissue. Effects on the cellular hypersensitization to noradrenaline caused by pertussis-toxin treatment. <i>Biochemical Journal</i> , 1996, 314, 761-768.	1.7	12
59	Differentiation of cultured brown adipocytes is associated with a selective increase in the short variant of $G_{s1\pm}$ protein. Evidence for higher functional activity of $G_{s1\pm}$ S. <i>Molecular and Cellular Endocrinology</i> , 2000, 167, 23-31.	1.6	12
60	Disruption of the Plasma Membrane Integrity by Cholesterol Depletion Impairs Effectiveness of TRH Receptor-Mediated Signal Transduction via $G_q/G_{11\pm}$ Proteins. <i>Journal of Receptor and Signal Transduction Research</i> , 2007, 27, 335-352.	1.3	12
61	High- and low-affinity sites for sodium in $\hat{\mu}$ -OR- $G_{i1\pm}$ (Cys351-Ile351) fusion protein stably expressed in HEK293 cells; functional significance and correlation with biophysical state of plasma membrane. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2014, 387, 487-502.	1.4	12
62	Bleomycin stimulates both membrane (Na^+i-K^+) ATPase and electrogenic (Na^+i-K^+) pump and partially removes the inhibition by vanadium ions. <i>Biochemical and Biophysical Research Communications</i> , 1983, 116, 783-790.	1.0	11
63	Ca^{2+} responses to thyrotropin-releasing hormone and angiotensin II: the role of plasma membrane integrity and effect of $G_{11\pm}$ protein overexpression on homologous and heterologous desensitization. <i>Cell Biochemistry and Function</i> , 2008, 26, 264-274.	1.4	11
64	Protein alterations induced by long-term agonist treatment of HEK293 cells expressing thyrotropin-releasing hormone receptor and $G_{11\pm}$ protein. <i>Journal of Cellular Biochemistry</i> , 2010, 109, 255-264.	1.2	11
65	Vanadyl (VO_2^+) induced lipoperoxidation in the brain microsomal fraction is not related to VO_2^+ inhibition of Na,K -ATPase. <i>Biochemical Pharmacology</i> , 1984, 33, 2493-2497.	2.0	10
66	Lipid peroxidation inhibits norepinephrine-stimulated lipolysis in rat adipocytes. Reduction of beta-adreno-ceptor number. <i>Biochemical and Biophysical Research Communications</i> , 1988, 150, 802-810.	1.0	10
67	Proteomic analysis of protein composition of rat hippocampus exposed to morphine for 10 days; comparison with animals after 20 days of morphine withdrawal. <i>PLoS ONE</i> , 2020, 15, e0231721.	1.1	10
68	Visualization of distinct patterns of subcellular redistribution of the thyrotropin-releasing hormone receptor-1 and $G_{q1\pm}/G_{11\pm}$ induced by agonist stimulation. <i>Biochemical Journal</i> , 1999, 340, 529.	1.7	9
69	Modulation of adenylyl cyclase activity by baclofen in the developing rat brain: difference between cortex, thalamus and hippocampus. <i>Neuroscience Letters</i> , 2002, 330, 9-12.	1.0	9
70	Functional interactions between the $\hat{\mu}1b$ -adrenoceptor and $G_{11\pm}$ are compromised by de-palmitoylation of the G protein but not of the receptor. <i>Cellular Signalling</i> , 2006, 18, 1244-1251.	1.7	9
71	Determination of $\hat{\mu}4$ -, $\hat{\mu}$ - and $\hat{\nu}$ -opioid receptors in forebrain cortex of rats exposed to morphine for 10 days: Comparison with animals after 20 days of morphine withdrawal. <i>PLoS ONE</i> , 2017, 12, e0186797.	1.1	9
72	The molecular basis for adrenergic desensitization in hamster brown adipose tissue: Uncoupling of adenylyl cyclase activation. <i>Comparative Biochemistry and Physiology Part C: Comparative Pharmacology</i> , 1984, 78, 159-170.	0.2	8

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73	Arachidonate activates muscle electrogenic sodium pump and brain microsome Na ⁺ ,K ⁺ -ATPase under suboptimal conditions. <i>Brain Research</i> , 1987, 436, 85-91.	1.1	8
74	Modulation of adenylyl cyclase activity in young and adult rat brain cortex. Identification of suramin as a direct inhibitor of adenylyl cyclase. <i>Journal of Cellular and Molecular Medicine</i> , 2005, 9, 940-952.	1.6	8
75	The Short and Long Forms of the β Subunit of the Stimulatory Guanine Nucleotide Binding Protein are Unequally Redistributed During α - β -proprerenolol Mediated Desensitization of Intact S49 Lymphoma Cells. <i>FEBS Journal</i> , 1994, 226, 193-199.	0.2	8
76	Effect of therapeutic concentration of lithium on live HEK293 cells; increase of Na ⁺ /K ⁺ -ATPase, change of overall protein composition and alteration of surface layer of plasma membrane. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 1099-1112.	1.1	8
77	Impact of three-month morphine withdrawal on rat brain cortex, hippocampus, striatum and cerebellum: proteomic and phosphoproteomic studies. <i>Neurochemistry International</i> , 2021, 144, 104975.	1.9	8
78	Effect of catecholamines and metal chelating agents on the brain and brown adipose tissue Na ⁺ ,K ⁺ -ATPase. <i>Comparative Biochemistry and Physiology Part C: Comparative Pharmacology</i> , 1986, 84, 283-290.	0.2	7
79	Chapter 16 Activation, cellular redistribution and enhanced degradation of the G proteins G _q s and G ₁₁ by endogenously expressed and transfected phospholipase C-coupled muscarinic m1 acetylcholine receptors. <i>Progress in Brain Research</i> , 1996, 109, 181-187.	0.9	7
80	Resolution and identification of G _q /G ₁₁ α and G α /G α proteins in brown adipose tissue: effect of cold acclimation. <i>Journal of Molecular Endocrinology</i> , 1999, 23, 223-229.	1.1	7
81	Prolonged Agonist Stimulation Does Not Alter the Protein Composition of Membrane Domains in Spite of Dramatic Changes Induced in a Specific Signaling Cascade. <i>Cell Biochemistry and Biophysics</i> , 2005, 42, 021-040.	0.9	7
82	The decrease in the short variant of g α protein is associated with an increase in [3H]CGP12177 binding, [3H]ouabain binding and Na, K-ATPase activity in brown adipose tissue plasma membranes of cold-acclimated hamsters. <i>Journal of Molecular Endocrinology</i> , 1999, 22, 55-64.	1.1	6
83	Time-Dependent Changes in Protein Composition of Medial Prefrontal Cortex in Rats with Neuropathic Pain. <i>International Journal of Molecular Sciences</i> , 2022, 23, 955.	1.8	6
84	Characterization of dicyclohexylcarbodiimide binding sites in beef-heart mitochondria. <i>Biochemical and Biophysical Research Communications</i> , 1979, 89, 981-987.	1.0	5
85	The role of carboxyl groups of Na ⁺ /K ⁺ -ATPase in the interaction with divalent cations. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1988, 945, 367-370.	1.4	5
86	Increased baclofen-stimulated G protein coupling and deactivation in rat brain cortex during development. <i>Developmental Brain Research</i> , 2004, 151, 67-73.	2.1	5
87	The activity of inducible nitric oxide synthase in rejected skin xenografts is selectively inhibited by a factor produced by grafted cells. <i>Xenotransplantation</i> , 2005, 12, 227-234.	1.6	5
88	Agonist-induced tyrosine phosphorylation of G _q /G ₁₁ β requires the intact structure of membrane domains. <i>Biochemical and Biophysical Research Communications</i> , 2005, 328, 526-532.	1.0	5
89	Early postnatal development of rat brain is accompanied by generation of lipofuscin-like pigments. <i>Molecular and Cellular Biochemistry</i> , 2011, 347, 157-162.	1.4	5
90	Induction of oxidative stress by long-term treatment of live HEK293 cells with therapeutic concentration of lithium is associated with down-regulation of β -opioid receptor amount and function. <i>Biochemical Pharmacology</i> , 2018, 154, 452-463.	2.0	5

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91	High Efficacy but Low Potency of $\hat{\nu}$ -Opioid Receptor-G Protein Coupling in Brij-58-Treated, Low-Density Plasma Membrane Fragments. <i>PLoS ONE</i> , 2015, 10, e0135664.	1.1	5
92	Isolation of plasma membrane compartments from rat brain cortex; detection of agonist-stimulated G protein activity. <i>Medical Science Monitor</i> , 2009, 15, BR111-22.	0.5	5
93	Alterations in the Proteome and Phosphoproteome Profiles of Rat Hippocampus after Six Months of Morphine Withdrawal: Comparison with the Forebrain Cortex. <i>Biomedicines</i> , 2022, 10, 80.	1.4	5
94	Ouabain Binding, ATP Hydrolysis, and Na ⁺ ,K ⁺ -Pump Activity During Chemical Modification of Brain and Muscle Na ⁺ ,K ⁺ -ATPase. <i>Journal of Neurochemistry</i> , 1992, 58, 1066-1072.	2.1	4
95	Cold-shock response of protein, RNA, DNA and phospholipid synthesis in <i>Bacillus subtilis</i> . <i>Folia Microbiologica</i> , 1995, 40, 627-632.	1.1	4
96	Overexpression of the G protein G11 $\hat{\nu}$ prevents desensitization of CA2 ⁺ response to thyrotropin-releasing hormone. <i>Life Sciences</i> , 1999, 65, 889-900.	2.0	4
97	Cardiomegaly induced by pressure overload in newborn rats is accompanied by altered expression of the long isoform of G(s)alpha protein and deranged signaling of adenyl cyclase. <i>Molecular and Cellular Biochemistry</i> , 2003, 245, 157-166.	1.4	4
98	Stress proteins in the cytoplasmic membrane fraction of <i>Bacillus subtilis</i> . <i>Folia Microbiologica</i> , 2010, 55, 427-434.	1.1	4
99	Na ⁺ /K ⁺ -ATPase level and products of lipid peroxidation in live cells treated with therapeutic lithium for different periods in time (1, 7, and 28 days); studies of Jurkat and HEK293 cells. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2019, 392, 785-799.	1.4	4
100	Tissue-specific protective properties of lithium: comparison of rat kidney, erythrocytes and brain. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2021, 394, 955-965.	1.4	3
101	The Altered Migration and Distribution of Systemically Administered Mesenchymal Stem Cells in Morphine-Treated Recipients. <i>Stem Cell Reviews and Reports</i> , 2021, 17, 1420-1428.	1.7	3
102	Rotational relaxation rate of 1,6-diphenyl-1,3,5-hexatriene in cytoplasmic membranes of <i>Bacillus subtilis</i> . A new model of heterogeneous rotations. <i>Folia Microbiologica</i> , 1990, 35, 371-383.	1.1	2
103	Effect of benzyl alcohol and ethanol on cold-shock response of <i>Bacillus subtilis</i> . <i>Folia Microbiologica</i> , 1995, 40, 633-638.	1.1	2
104	Different methods of membrane domains isolation result in similar 2-D distribution patterns of membrane domain proteins. <i>Biochemistry and Cell Biology</i> , 2003, 81, 365-372.	0.9	2
105	Characterization of [3H]-forskolin binding sites in young and adult rat brain cortex: identification of suramin as a competitive inhibitor of [3H]-forskolin binding. <i>Canadian Journal of Physiology and Pharmacology</i> , 2005, 83, 573-581.	0.7	2
106	Determination of $\hat{\nu}$ -opioid receptor molecules mobility in living cells plasma membrane by novel method of FRAP analysis. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2019, 1861, 1346-1354.	1.4	2
107	Therapeutic lithium alters polar head-group region of lipid bilayer and prevents lipid peroxidation in forebrain cortex of sleep-deprived rats. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2021, 1866, 158962.	1.2	2
108	Subcellular shifts of trimeric G-proteins following activation of Baker's yeast by glucose. <i>Folia Microbiologica</i> , 2001, 46, 391-396.	1.1	1

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109	Preparation of oligomycin-sensitive ATPase enriched submitochondrial fraction from beef heart mitochondria. Collection of Czechoslovak Chemical Communications, 1979, 44, 2854-2860.	1.0	1
110	The high-resolution proteomic analysis of protein composition of rat spleen lymphocytes stimulated by Concanavalin A; a comparison with morphine-treated cells. Journal of Neuroimmunology, 2020, 341, 577191.	1.1	0