

Angus C. Nairn

List of Publications by Year in Descending Order

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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.

238
papers

21,853
citations

81
h-index

141
g-index

243
ext. papers

23,660
ext. citations

9.6
avg. IF

6.34
L-index

#	Paper	IF	Citations
238	Loss of Ftsj1 perturbs codon-specific translation efficiency in the brain and is associated with X-linked intellectual disability. <i>Science Advances</i> , 2021 , 7,	14.3	8
237	Regulation of Synaptic Transmission and Plasticity by Protein Phosphatase 1. <i>Journal of Neuroscience</i> , 2021 , 41, 3040-3050	6.6	2
236	GSAP regulates lipid homeostasis and mitochondrial function associated with Alzheimer's disease. <i>Journal of Experimental Medicine</i> , 2021 , 218,	16.6	6
235	cAMP-regulated phosphoproteins DARPP-32, ARPP16/19, and RCS modulate striatal signal transduction through protein kinases and phosphatases. <i>Advances in Pharmacology</i> , 2021 , 90, 39-65	5.7	1
234	Exosomes as Emerging Biomarker Tools in Neurodegenerative and Neuropsychiatric Disorders-A Proteomics Perspective. <i>Brain Sciences</i> , 2021 , 11,	3.4	6
233	Synaptic proteins associated with cognitive performance and neuropathology in older humans revealed by multiplexed fractionated proteomics. <i>Neurobiology of Aging</i> , 2021 , 105, 99-114	5.6	6
232	Differential Protein Expression in Striatal D1- and D2-Dopamine Receptor-Expressing Medium Spiny Neurons. <i>Proteomes</i> , 2020 , 8,	4.6	5
231	Direct Interaction of PP2A Phosphatase with GABA Receptors Alters Functional Signaling. <i>Journal of Neuroscience</i> , 2020 , 40, 2808-2816	6.6	5
230	Development of Targeted Mass Spectrometry-Based Approaches for Quantitation of Proteins Enriched in the Postsynaptic Density (PSD). <i>Proteomes</i> , 2019 , 7,	4.6	12
229	Alzheimer's-like pathology in aging rhesus macaques: Unique opportunity to study the etiology and treatment of Alzheimer's disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 ,	11.5	23
228	Making brain proteomics true to type. <i>Nature Biotechnology</i> , 2018 , 36, 149-150	44.5	
227	Isoform-Level Interpretation of High-Throughput Proteomics Data Enabled by Deep Integration with RNA-seq. <i>Journal of Proteome Research</i> , 2018 , 17, 3431-3444	5.6	14
226	Evaluation of the Phosphoproteome of Mouse Alpha 4/Beta 2-Containing Nicotinic Acetylcholine Receptors In Vitro and In Vivo. <i>Proteomes</i> , 2018 , 6,	4.6	7
225	Cell-Type-Specific Proteomics: A Neuroscience Perspective. <i>Proteomes</i> , 2018 , 6,	4.6	20
224	The dominant protein phosphatase PP1c isoform in smooth muscle cells, PP1c α is essential for smooth muscle contraction. <i>Journal of Biological Chemistry</i> , 2018 , 293, 16677-16686	5.4	5
223	Striatin-1 is a B subunit of protein phosphatase PP2A that regulates dendritic arborization and spine development in striatal neurons. <i>Journal of Biological Chemistry</i> , 2018 , 293, 11179-11194	5.4	9
222	ARPP-16 Is a Striatal-Enriched Inhibitor of Protein Phosphatase 2A Regulated by Microtubule-Associated Serine/Threonine Kinase 3 (Mast 3 Kinase). <i>Journal of Neuroscience</i> , 2017 , 37, 2709-2722	6.6	27

221	A multiregional proteomic survey of the postnatal human brain. <i>Nature Neuroscience</i> , 2017 , 20, 1787-1795	5.5	74
220	Reciprocal regulation of ARPP-16 by PKA and MAST3 kinases provides a cAMP-regulated switch in protein phosphatase 2A inhibition. <i>ELife</i> , 2017 , 6,	8.9	16
219	Phosphoproteomic Analysis Reveals a Novel Mechanism of CaMKII β Regulation Inversely Induced by Cocaine Memory Extinction versus Reconsolidation. <i>Journal of Neuroscience</i> , 2016 , 36, 7613-27	6.6	34
218	Role of Striatal-Enriched Tyrosine Phosphatase in Neuronal Function. <i>Neural Plasticity</i> , 2016 , 2016, 8136925	3.5	18
217	The Histamine H3 Receptor Differentially Modulates Mitogen-activated Protein Kinase (MAPK) and Akt Signaling in Striatonigral and Striatopallidal Neurons. <i>Journal of Biological Chemistry</i> , 2016 , 291, 21042-21052	5.4	33
216	STEP61 is a substrate of the E3 ligase parkin and is upregulated in Parkinson's disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 1202-7	11.5	38
215	Understanding the antagonism of retinoblastoma protein dephosphorylation by PNUTS provides insights into the PP1 regulatory code. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 4097-102	11.5	75
214	Inhibitor of the tyrosine phosphatase STEP reverses cognitive deficits in a mouse model of Alzheimer's disease. <i>PLoS Biology</i> , 2014 , 12, e1001923	9.7	95
213	cAMP-PKA phosphorylation of tau confers risk for degeneration in aging association cortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 5036-41	11.5	81
212	Structural basis for protein phosphatase 1 regulation and specificity. <i>FEBS Journal</i> , 2013 , 280, 596-611	5.7	144
211	Synaptic NMDA receptor stimulation activates PP1 by inhibiting its phosphorylation by Cdk5. <i>Journal of Cell Biology</i> , 2013 , 203, 521-35	7.3	40
210	Substrate-based fragment identification for the development of selective, nonpeptidic inhibitors of striatal-enriched protein tyrosine phosphatase. <i>Journal of Medicinal Chemistry</i> , 2013 , 56, 7636-50	8.3	22
209	Selective knockout of the casein kinase 2 in d1 medium spiny neurons controls dopaminergic function. <i>Biological Psychiatry</i> , 2013 , 74, 113-21	7.9	19
208	Ca ²⁺ -independent activation of Ca ²⁺ /calmodulin-dependent protein kinase II bound to the C-terminal domain of CaV2.1 calcium channels. <i>Journal of Biological Chemistry</i> , 2013 , 288, 4637-48	5.4	21
207	Regulation of ERK1/2 mitogen-activated protein kinase by NMDA-receptor-induced seizure activity in cortical slices. <i>Brain Research</i> , 2013 , 1507, 1-10	3.7	6
206	The phosphorylation of ARPP19 by Greatwall renders the auto-amplification of MPF independently of PKA in <i>Xenopus</i> oocytes. <i>Journal of Cell Science</i> , 2013 , 126, 3916-26	5.3	21
205	Regulation of neurite outgrowth mediated by localized phosphorylation of protein translational factor eEF2 in growth cones. <i>Developmental Neurobiology</i> , 2013 , 73, 230-46	3.2	11
204	Differential effects of cocaine on histone posttranslational modifications in identified populations of striatal neurons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 9511-6	11.5	44

203	Proteasomal degradation of eukaryotic elongation factor-2 kinase (EF2K) is regulated by cAMP-PKA signaling and the SCF β TRCP ubiquitin E3 ligase. <i>Journal of Biological Chemistry</i> , 2013 , 288, 17803-11	5.4	14
202	Phosphodiesterase 4 inhibition enhances the dopamine D1 receptor/PKA/DARPP-32 signaling cascade in frontal cortex. <i>Psychopharmacology</i> , 2012 , 219, 1065-79	4.7	43
201	Regulator of calmodulin signaling knockout mice display anxiety-like behavior and motivational deficits. <i>European Journal of Neuroscience</i> , 2012 , 35, 300-8	3.5	17
200	Striatal-enriched protein tyrosine phosphatase in Alzheimer's disease. <i>Advances in Pharmacology</i> , 2012 , 64, 303-25	5.7	16
199	A molecular characterization of the choroid plexus and stress-induced gene regulation. <i>Translational Psychiatry</i> , 2012 , 2, e139	8.6	48
198	Functional genomic and proteomic analysis reveals disruption of myelin-related genes and translation in a mouse model of early life neglect. <i>Frontiers in Psychiatry</i> , 2011 , 2, 18	5	40
197	Beyond the dopamine receptor: regulation and roles of serine/threonine protein phosphatases. <i>Frontiers in Neuroanatomy</i> , 2011 , 5, 50	3.6	61
196	Reduced levels of the tyrosine phosphatase STEP block β -amyloid-mediated GluA1/GluA2 receptor internalization. <i>Journal of Neurochemistry</i> , 2011 , 119, 664-72	6	44
195	Flexibility in the PP1:spinophilin holoenzyme. <i>FEBS Letters</i> , 2011 , 585, 36-40	3.8	16
194	Protein kinase C-dependent dephosphorylation of tyrosine hydroxylase requires the B56 β heterotrimeric form of protein phosphatase 2A. <i>PLoS ONE</i> , 2011 , 6, e26292	3.7	18
193	Protein phosphatase 2A interacts with the Na,K-ATPase and modulates its trafficking by inhibition of its association with arrestin. <i>PLoS ONE</i> , 2011 , 6, e29269	3.7	24
192	Signaling pathways controlling the phosphorylation state of WAVE1, a regulator of actin polymerization. <i>Journal of Neurochemistry</i> , 2010 , 114, 182-90	6	18
191	Spinophilin directs protein phosphatase 1 specificity by blocking substrate binding sites. <i>Nature Structural and Molecular Biology</i> , 2010 , 17, 459-64	17.6	142
190	Dopamine-dependent tuning of striatal inhibitory synaptogenesis. <i>Journal of Neuroscience</i> , 2010 , 30, 2935-50	6.6	34
189	Genetic reduction of striatal-enriched tyrosine phosphatase (STEP) reverses cognitive and cellular deficits in an Alzheimer's disease mouse model. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 19014-9	11.5	138
188	cAMP-stimulated protein phosphatase 2A activity associated with muscle A kinase-anchoring protein (mAKAP) signaling complexes inhibits the phosphorylation and activity of the cAMP-specific phosphodiesterase PDE4D3. <i>Journal of Biological Chemistry</i> , 2010 , 285, 11078-86	5.4	67
187	Forebrain overexpression of CK1delta leads to down-regulation of dopamine receptors and altered locomotor activity reminiscent of ADHD. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 4401-6	11.5	37
186	Variability of distribution of Ca(2+)/calmodulin-dependent kinase II at mixed synapses on the mauthner cell: colocalization and association with connexin 35. <i>Journal of Neuroscience</i> , 2010 , 30, 9488-99	6.6	26

185	Abeta-mediated NMDA receptor endocytosis in Alzheimer's disease involves ubiquitination of the tyrosine phosphatase STEP61. <i>Journal of Neuroscience</i> , 2010 , 30, 5948-57	6.6	154
184	Localization of dopamine- and cAMP-regulated phosphoprotein-32 and inhibitor-1 in area 9 of <i>Macaca mulatta</i> prefrontal cortex. <i>Neuroscience</i> , 2010 , 167, 428-38	3.9	9
183	Evidence for the involvement of Lfc and Tctex-1 in axon formation. <i>Journal of Neuroscience</i> , 2010 , 30, 6793-800	6.6	32
182	Dual involvement of G-substrate in motor learning revealed by gene deletion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 3525-30	11.5	26
181	Phosphorylation of Rap1GAP, a striatally enriched protein, by protein kinase A controls Rap1 activity and dendritic spine morphology. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 3531-6	11.5	54
180	Wnt-5a-induced phosphorylation of DARPP-32 inhibits breast cancer cell migration in a CREB-dependent manner. <i>Journal of Biological Chemistry</i> , 2009 , 284, 27533-43	5.4	60
179	CK2 negatively regulates Galphas signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 14096-101	11.5	24
178	Methylphenidate-induced dendritic spine formation and DeltaFosB expression in nucleus accumbens. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 2915-20	11.5	101
177	Phosphorylation of the amino-terminal region of X11L regulates its interaction with APP. <i>Journal of Neurochemistry</i> , 2009 , 109, 465-75	6	11
176	An immunocytochemical assay to detect human CFTR expression following gene transfer. <i>Molecular and Cellular Probes</i> , 2009 , 23, 272-80	3.3	8
175	PP1-mediated dephosphorylation of phosphoproteins at mitotic exit is controlled by inhibitor-1 and PP1 phosphorylation. <i>Nature Cell Biology</i> , 2009 , 11, 644-51	23.4	184
174	Prior chronic cocaine exposure in mice induces persistent alterations in cognitive function. <i>Behavioural Pharmacology</i> , 2009 , 20, 695-704	2.4	24
173	PP1gamma2 and PPP1R11 are parts of a multimeric complex in developing testicular germ cells in which their steady state levels are reciprocally related. <i>PLoS ONE</i> , 2009 , 4, e4861	3.7	21
172	A phosphatase cascade by which rewarding stimuli control nucleosomal response. <i>Nature</i> , 2008 , 453, 879-84	50.4	189
171	FGF acts as a co-transmitter through adenosine A(2A) receptor to regulate synaptic plasticity. <i>Nature Neuroscience</i> , 2008 , 11, 1402-9	25.5	146
170	Cocaine regulates MEF2 to control synaptic and behavioral plasticity. <i>Neuron</i> , 2008 , 59, 621-33	13.9	209
169	Striatal dysregulation of Cdk5 alters locomotor responses to cocaine, motor learning, and dendritic morphology. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 18561-6	11.5	38
168	CaM kinase I alpha-induced phosphorylation of Drp1 regulates mitochondrial morphology. <i>Journal of Cell Biology</i> , 2008 , 182, 573-85	7.3	337

167	WAVE1 controls neuronal activity-induced mitochondrial distribution in dendritic spines. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 3112-6	11.5	90
166	Luteinizing hormone receptor activation in ovarian granulosa cells promotes protein kinase A-dependent dephosphorylation of microtubule-associated protein 2D. <i>Molecular Endocrinology</i> , 2008 , 22, 1695-710		24
165	Subcellular distribution of the Rho-GEF Lfc in primate prefrontal cortex: effect of neuronal activation. <i>Journal of Comparative Neurology</i> , 2008 , 508, 927-39	3.4	9
164	Phosphorylation of CREB and DARPP-32 during late LTP at hippocampal to prefrontal cortex synapses in vivo. <i>Synapse</i> , 2007 , 61, 24-8	2.4	25
163	Structural characterization of the neurabin sterile alpha motif domain. <i>Proteins: Structure, Function and Bioinformatics</i> , 2007 , 69, 192-8	4.2	4
162	Disruption of reelin signaling attenuates methamphetamine-induced hyperlocomotion. <i>European Journal of Neuroscience</i> , 2007 , 25, 3376-84	3.5	19
161	Expression of PKC substrate proteins, GAP-43 and neurogranin, is downregulated by cAMP signaling and alterations in synaptic activity. <i>European Journal of Neuroscience</i> , 2007 , 26, 3043-53	3.5	11
160	Orbitofrontal cortex and cognitive-motivational impairments in psychostimulant addiction: evidence from experiments in the non-human primate. <i>Annals of the New York Academy of Sciences</i> , 2007 , 1121, 610-38	6.5	40
159	The BT γ PR72 subunit mediates Ca ²⁺ -dependent dephosphorylation of DARPP-32 by protein phosphatase 2A. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 9876-81	11.5	84
158	A calcium- and calmodulin-dependent kinase I α /microtubule affinity regulating kinase 2 signaling cascade mediates calcium-dependent neurite outgrowth. <i>Journal of Neuroscience</i> , 2007 , 27, 4413-23	6.6	56
157	Proteomic analysis of activity-dependent synaptic plasticity in hippocampal neurons. <i>Journal of Proteome Research</i> , 2007 , 6, 3203-15	5.6	36
156	Regulation of Alzheimer's disease amyloid-beta formation by casein kinase I. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 4159-64	11.5	150
155	Regulation of protein phosphatase inhibitor-1 by cyclin-dependent kinase 5. <i>Journal of Biological Chemistry</i> , 2007 , 282, 16511-20	5.4	23
154	Protein kinase A activates protein phosphatase 2A by phosphorylation of the B56delta subunit. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 2979-84	11.5	207
153	A mathematical tool for exploring the dynamics of biological networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 19169-74	11.5	34
152	Calcium-induced synergistic inhibition of a translational factor eEF2 in nerve growth cones. <i>Biochemical and Biophysical Research Communications</i> , 2007 , 353, 244-50	3.4	15
151	Assessment of cognitive function in the heterozygous reeler mouse. <i>Psychopharmacology</i> , 2006 , 189, 95-104	4.7	79
150	Phosphorylation of DARPP-32 regulates breast cancer cell migration downstream of the receptor tyrosine kinase DDR1. <i>Experimental Cell Research</i> , 2006 , 312, 4011-8	4.2	44

149	Cocaine-induced dendritic spine formation in D1 and D2 dopamine receptor-containing medium spiny neurons in nucleus accumbens. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 3399-404	11.5	269
148	Allosteric changes of the NMDA receptor trap diffusible dopamine 1 receptors in spines. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 762-7	11.5	101
147	Cocaine self-administration in mice is inversely related to phosphorylation at Thr34 (protein kinase A site) and Ser130 (kinase CK1 site) of DARPP-32. <i>Journal of Neuroscience</i> , 2006 , 26, 2645-51	6.6	45
146	Thermodynamics of CFTR channel gating: a spreading conformational change initiates an irreversible gating cycle. <i>Journal of General Physiology</i> , 2006 , 128, 523-33	3.4	48
145	Phosphorylation of protein phosphatase inhibitor-1 by protein kinase C. <i>Journal of Biological Chemistry</i> , 2006 , 281, 24322-35	5.4	20
144	Phosphorylation of DARPP-32 at Threonine-34 is required for cocaine action. <i>Neuropsychopharmacology</i> , 2006 , 31, 555-62	8.7	80
143	Discovery of protein phosphatase 2C inhibitors by virtual screening. <i>Journal of Medicinal Chemistry</i> , 2006 , 49, 1658-67	8.3	60
142	Role for the PP2A/B56delta phosphatase in regulating 14-3-3 release from Cdc25 to control mitosis. <i>Cell</i> , 2006 , 127, 759-73	56.2	169
141	D1 receptor modulation of memory retrieval performance is associated with changes in pCREB and pDARPP-32 in rat prefrontal cortex. <i>Behavioural Brain Research</i> , 2006 , 171, 127-33	3.4	57
140	Synaptic plasticity: one STEP at a time. <i>Trends in Neurosciences</i> , 2006 , 29, 452-8	13.3	100
139	2-Deoxyglucose and NMDA inhibit protein synthesis in neurons and regulate phosphorylation of elongation factor-2 by distinct mechanisms. <i>Journal of Neurochemistry</i> , 2006 , 96, 815-24	6	13
138	Dual regulation of translation initiation and peptide chain elongation during BDNF-induced LTP in vivo: evidence for compartment-specific translation control. <i>Journal of Neurochemistry</i> , 2006 , 99, 1328-37	6	84
137	Oligomerization states of the association domain and the holoenzyme of Ca ²⁺ /CaM kinase II. <i>FEBS Journal</i> , 2006 , 273, 682-94	5.7	73
136	Phosphorylation of WAVE1 regulates actin polymerization and dendritic spine morphology. <i>Nature</i> , 2006 , 442, 814-7	50.4	243
135	In vivo phosphorylation of CFTR promotes formation of a nucleotide-binding domain heterodimer. <i>EMBO Journal</i> , 2006 , 25, 4728-39	13	156
134	Glutamate regulation of DARPP-32 phosphorylation in neostriatal neurons involves activation of multiple signaling cascades. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 1199-204	11.5	109
133	Quantitative analysis of protein phosphorylation in mouse brain by hypothesis-driven multistage mass spectrometry. <i>Analytical Chemistry</i> , 2005 , 77, 7845-51	7.8	31
132	Structure of the autoinhibited kinase domain of CaMKII and SAXS analysis of the holoenzyme. <i>Cell</i> , 2005 , 123, 849-60	56.2	242

131	The Rho-specific GEF Lfc interacts with neurabin and spinophilin to regulate dendritic spine morphology. <i>Neuron</i> , 2005 , 47, 85-100	13.9	125
130	DARPP-32 mediates the actions of multiple drugs of abuse. <i>AAPS Journal</i> , 2005 , 7, E353-60	3.7	128
129	Elevated glucose activates protein synthesis in cultured cardiac myocytes. <i>Metabolism: Clinical and Experimental</i> , 2005 , 54, 1453-60	12.7	36
128	Control of the CFTR channel $\bar{\kappa}$ gates. <i>Biochemical Society Transactions</i> , 2005 , 33, 1003-7	5.1	28
127	Regulation of spinophilin Ser94 phosphorylation in neostriatal neurons involves both DARPP-32-dependent and independent pathways. <i>Journal of Neurochemistry</i> , 2005 , 95, 1642-52	6	9
126	A molecular switch for translational control in taste memory consolidation. <i>European Journal of Neuroscience</i> , 2005 , 22, 2560-8	3.5	77
125	Regulation of NMDA receptor trafficking by amyloid-beta. <i>Nature Neuroscience</i> , 2005 , 8, 1051-8	25.5	1238
124	CFTR channel opening by ATP-driven tight dimerization of its nucleotide-binding domains. <i>Nature</i> , 2005 , 433, 876-80	50.4	339
123	Structural domains involved in the regulation of transmitter release by synapsins. <i>Journal of Neuroscience</i> , 2005 , 25, 2658-69	6.6	109
122	Nicotine regulates DARPP-32 (dopamine- and cAMP-regulated phosphoprotein of 32 kDa) phosphorylation at multiple sites in neostriatal neurons. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005 , 315, 872-8	4.7	32
121	Channel function is dissociated from the intrinsic kinase activity and autophosphorylation of TRPM7/ChaK1. <i>Journal of Biological Chemistry</i> , 2005 , 280, 20793-803	5.4	141
120	Phosphorylation of spinophilin by ERK and cyclin-dependent PK 5 (Cdk5). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 3489-94	11.5	42
119	Regulation of a protein phosphatase cascade allows convergent dopamine and glutamate signals to activate ERK in the striatum. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 491-6	11.5	486
118	Increased activity of cyclin-dependent kinase 5 leads to attenuation of cocaine-mediated dopamine signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 1737-42	11.5	77
117	Preferential phosphorylation of R-domain Serine 768 dampens activation of CFTR channels by PKA. <i>Journal of General Physiology</i> , 2005 , 125, 171-86	3.4	61
116	Functional roles of nonconserved structural segments in CFTR $\bar{\kappa}$ NH ₂ -terminal nucleotide binding domain. <i>Journal of General Physiology</i> , 2005 , 125, 43-55	3.4	45
115	Regulation of the interaction between PIPKI gamma and talin by proline-directed protein kinases. <i>Journal of Cell Biology</i> , 2005 , 168, 789-99	7.3	96
114	Charge screening by internal pH and polyvalent cations as a mechanism for activation, inhibition, and rundown of TRPM7/MIC channels. <i>Journal of General Physiology</i> , 2005 , 126, 499-514	3.4	102

113	Regulation of synaptojanin 1 by cyclin-dependent kinase 5 at synapses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 546-51	11.5	151
112	Molecular characterization of recombinant mouse adenosine kinase and evaluation as a target for protein phosphorylation. <i>FEBS Journal</i> , 2004 , 271, 3547-55		23
111	Spinophilin is phosphorylated by Ca ²⁺ /calmodulin-dependent protein kinase II resulting in regulation of its binding to F-actin. <i>Journal of Neurochemistry</i> , 2004 , 90, 317-24	6	49
110	Differential regulation of dopamine D1 and D2 signaling by nicotine in neostriatal neurons. <i>Journal of Neurochemistry</i> , 2004 , 90, 1094-103	6	62
109	PKC-alpha regulates cardiac contractility and propensity toward heart failure. <i>Nature Medicine</i> , 2004 , 10, 248-54	50.5	479
108	Restoration of protein synthesis in heart and skeletal muscle after withdrawal of alcohol. <i>Alcoholism: Clinical and Experimental Research</i> , 2004 , 28, 517-25	3.7	35
107	¹ H, ¹⁵ N, and ¹³ C resonance assignments of DARPP-32 (dopamine and cAMP-regulated phosphoprotein, Mr. 32,000)--a protein inhibitor of protein phosphatase-1. <i>Journal of Biomolecular NMR</i> , 2004 , 28, 413-4	3	8
106	A network of control mediated by regulator of calcium/calmodulin-dependent signaling. <i>Science</i> , 2004 , 306, 698-701	33.3	86
105	DARPP-32: an integrator of neurotransmission. <i>Annual Review of Pharmacology and Toxicology</i> , 2004 , 44, 269-96	17.9	551
104	Cytoplasmic localization of calcium/calmodulin-dependent protein kinase I-alpha depends on a nuclear export signal in its regulatory domain. <i>FEBS Letters</i> , 2004 , 566, 275-80	3.8	26
103	The role of DARPP-32 in the actions of drugs of abuse. <i>Neuropharmacology</i> , 2004 , 47 Suppl 1, 14-23	5.5	102
102	PNUTS, a protein phosphatase 1 (PP1) nuclear targeting subunit. Characterization of its PP1- and RNA-binding domains and regulation by phosphorylation. <i>Journal of Biological Chemistry</i> , 2003 , 278, 13819-28	5.4	53
101	Metabotropic mGlu5 receptors regulate adenosine A2A receptor signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 1322-7	11.5	124
100	Regulation of ania-6 splice variants by distinct signaling pathways in striatal neurons. <i>Journal of Neurochemistry</i> , 2003 , 86, 153-64	6	26
99	A new model of the tautomycin-PP1 complex that is not analogous to the corresponding okadaic acid structure. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2003 , 13, 1601-5	2.9	11
98	NMDA-mediated activation of the tyrosine phosphatase STEP regulates the duration of ERK signaling. <i>Nature Neuroscience</i> , 2003 , 6, 34-42	25.5	264
97	The selective inhibition of phosphatases by natural toxins: the anhydride domain of tautomycin is not a primary factor in controlling PP1/PP2A selectivity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2003 , 13, 1597-600	2.9	20
96	Regulation of AMPA receptor dephosphorylation by glutamate receptor agonists. <i>Neuropharmacology</i> , 2003 , 45, 703-13	5.5	55

95	Thr123 of rat G-substrate contributes to its action as a protein phosphatase inhibitor. <i>Neuroscience Research</i> , 2003 , 45, 79-89	2.9	31
94	Adenylyl cyclase-dependent form of chemical long-term potentiation triggers translational regulation at the elongation step. <i>Neuroscience</i> , 2003 , 116, 743-52	3.9	68
93	Crystal structure of a tetradecameric assembly of the association domain of Ca ²⁺ /calmodulin-dependent kinase II. <i>Molecular Cell</i> , 2003 , 11, 1241-51	17.6	144
92	On the mechanism of MgATP-dependent gating of CFTR Cl ⁻ channels. <i>Journal of General Physiology</i> , 2003 , 121, 17-36	3.4	170
91	Protein phosphatase 2C binds selectively to and dephosphorylates metabotropic glutamate receptor 3. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 16006-11	11.5	62
90	Glucose regulates EF-2 phosphorylation and protein translation by a protein phosphatase-2A-dependent mechanism in INS-1-derived 832/13 cells. <i>Journal of Biological Chemistry</i> , 2003 , 278, 18177-83	5.4	26
89	Prolonged nonhydrolytic interaction of nucleotide with CFTR $\bar{5}$ NH ₂ -terminal nucleotide binding domain and its role in channel gating. <i>Journal of General Physiology</i> , 2003 , 122, 333-48	3.4	128
88	Phosphorylation of spinophilin modulates its interaction with actin filaments. <i>Journal of Biological Chemistry</i> , 2003 , 278, 1186-94	5.4	66
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