Angus C. Nairn

List of Publications by Year
in descending order

240 papers	24,973 citations	4955 84 h-index	7944 149 g-index
243 all docs	243 docs citations	243 times ranked	22786 citing authors

#	Article	IF	Citations
1	cAMP-regulated phosphoproteins DARPP-32, ARPP16/19, and RCS modulate striatal signal transduction through protein kinases and phosphatases. Advances in Pharmacology, 2021, 90, 39-65.	1.2	2
2	Exosomes as Emerging Biomarker Tools in Neurodegenerative and Neuropsychiatric Disordersâ€"A Proteomics Perspective. Brain Sciences, 2021, 11, 258.	1.1	16
3	Loss of Ftsj1 perturbs codon-specific translation efficiency in the brain and is associated with X-linked intellectual disability. Science Advances, 2021, 7, .	4.7	30
4	Regulation of Synaptic Transmission and Plasticity by Protein Phosphatase 1. Journal of Neuroscience, 2021, 41, 3040-3050.	1.7	18
5	GSAP regulates lipid homeostasis and mitochondrial function associated with Alzheimerâ€™s disease. Journal of Experimental Medicine, 2021, 218, .	4.2	14
6	Synaptic proteins associated with cognitive performance and neuropathology in older humans revealed by multiplexed fractionated proteomics. Neurobiology of Aging, 2021, 105, 99-114.	1.5	32
7	Differential Protein Expression in Striatal D1- and D2-Dopamine Receptor-Expressing Medium Spiny Neurons. Proteomes, 2020, 8, 27.	1.7	6
8	Direct Interaction of PP2A Phosphatase with GABAB Receptors Alters Functional Signaling. Journal of Neuroscience, 2020, 40, 2808-2816.	1.7	11
9	Editorial for Special Issue: Neuroproteomics. Proteomes, 2019, 7, 24.	1.7	0
10	Development of Targeted Mass Spectrometry-Based Approaches for Quantitation of Proteins Enriched in the Postsynaptic Density (PSD). Proteomes, 2019, 7, 12.	1.7	18
11	Alzheimerâ€™s-like pathology in aging rhesus macaques: Unique opportunity to study the etiology and treatment of Alzheimerâ€™s disease. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 26230-26238.	3.3	46
12	Making brain proteomics true to type. Nature Biotechnology, 2018, 36, 149-150.	9.4	0
13	Evaluation of the Phosphoproteome of Mouse Alpha 4/Beta 2-Containing Nicotinic Acetylcholine Receptors In Vitro and In Vivo. Proteomes, 2018, 6, 42.	1.7	11
14	Cell-Type-Specific Proteomics: A Neuroscience Perspective. Proteomes, 2018, 6, 51.	1.7	29
15	Phosphoproteomic Analysis of the Amygdala Response to Adolescent Glucocorticoid Exposure Reveals G-Protein Coupled Receptor Kinase 2 as a Target for Reducing Motivation for Alcohol. Proteomes, 2018, 6, 41.	1.7	4
16	The dominant protein phosphatase PP1c isoform in smooth muscle cells, PP1cÎ², is essential for smooth muscle contraction. Journal of Biological Chemistry, 2018, 293, 16677-16686.	1.6	9
17	Striatin-1 is a B subunit of protein phosphatase PP2A that regulates dendritic arborization and spine development in striatal neurons. Journal of Biological Chemistry, 2018, 293, 11179-11194.	1.6	16
18	Isoform-Level Interpretation of High-Throughput Proteomics Data Enabled by Deep Integration with RNA-seq. Journal of Proteome Research, 2018, 17, 3431-3444.	1.8	23

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19	ARPP-16 Is a Striatal-Enriched Inhibitor of Protein Phosphatase 2A Regulated by Microtubule-Associated Serine/Threonine Kinase 3 (Mast 3 Kinase). Journal of Neuroscience, 2017, 37, 2709-2722.	1.7	31
20	A multiregional proteomic survey of the postnatal human brain. Nature Neuroscience, 2017, 20, 1787-1795.	7.1	138
21	Reciprocal regulation of ARPP-16 by PKA and MAST3 kinases provides a cAMP-regulated switch in protein phosphatase 2A inhibition. ELife, 2017, 6, .	2.8	24
22	Role of Striatal-Enriched Tyrosine Phosphatase in Neuronal Function. Neural Plasticity, 2016, 2016, 1-9.	1.0	28
23	The Histamine H3 Receptor Differentially Modulates Mitogen-activated Protein Kinase (MAPK) and Akt Signaling in Striatonigral and Striatopallidal Neurons. Journal of Biological Chemistry, 2016, 291, 21042-21052.	1.6	42
24	Phosphoproteomic Analysis Reveals a Novel Mechanism of CaMKIIÂ Regulation Inversely Induced by Cocaine Memory Extinction versus Reconsolidation. Journal of Neuroscience, 2016, 36, 7613-7627.	1.7	46
25	STEP ₆₁ is a substrate of the E3 ligase parkin and is upregulated in Parkinsonâ€™s disease. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 1202-1207.	3.3	52
26	Inhibitor of the Tyrosine Phosphatase STEP Reverses Cognitive Deficits in a Mouse Model of Alzheimer's Disease. PLoS Biology, 2014, 12, e1001923.	2.6	119
27	cAMP-PKA phosphorylation of tau confers risk for degeneration in aging association cortex. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 5036-5041.	3.3	110
28	Understanding the antagonism of retinoblastoma protein dephosphorylation by PNUTS provides insights into the PP1 regulatory code. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 4097-4102.	3.3	112
29	Structural basis for protein phosphatase 1 regulation and specificity. FEBS Journal, 2013, 280, 596-611.	2.2	195
30	Synaptic NMDA receptor stimulation activates PP1 by inhibiting its phosphorylation by Cdk5. Journal of Cell Biology, 2013, 203, 521-535.	2.3	58
31	Substrate-Based Fragment Identification for the Development of Selective, Nonpeptidic Inhibitors of Striatal-Enriched Protein Tyrosine Phosphatase. Journal of Medicinal Chemistry, 2013, 56, 7636-7650.	2.9	26
32	Selective Knockout of the Casein Kinase 2 in D1 Medium Spiny Neurons Controls Dopaminergic Function. Biological Psychiatry, 2013, 74, 113-121.	0.7	33
33	Ca2+-independent Activation of Ca2+/Calmodulin-dependent Protein Kinase II Bound to the C-terminal Domain of CaV2.1 Calcium Channels. Journal of Biological Chemistry, 2013, 288, 4637-4648.	1.6	28
34	Regulation of ERK1/2 mitogen-activated protein kinase by NMDA-receptor-induced seizure activity in cortical slices. Brain Research, 2013, 1507, 1-10.	1.1	7
35	The phosphorylation of ARPP19 by Greatwall renders the autoamplification of MPF independent of PKA in <i>Xenopus</i> oocytes. Journal of Cell Science, 2013, 126, 3916-26.	1.2	26
36	Regulation of neurite outgrowth mediated by localized phosphorylation of protein translational factor eEF2 in growth cones. Developmental Neurobiology, 2013, 73, 230-246.	1.5	14

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37	Differential effects of cocaine on histone posttranslational modifications in identified populations of striatal neurons. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 9511-9516.	3.3	51
38	Proteasomal Degradation of Eukaryotic Elongation Factor-2 Kinase (EF2K) Is Regulated by cAMP-PKA Signaling and the SCFÎ²TRCP Ubiquitin E3 Ligase. Journal of Biological Chemistry, 2013, 288, 17803-17811.	1.6	17
39	Striatal-Enriched Protein Tyrosine Phosphatase in Alzheimerâ€™s Disease. Advances in Pharmacology, 2012, 64, 303-325.	1.2	20
40	A molecular characterization of the choroid plexus and stress-induced gene regulation. Translational Psychiatry, 2012, 2, e139-e139.	2.4	67
41	Regulator of calmodulin signaling knockout mice display anxietyâ€like behavior and motivational deficits. European Journal of Neuroscience, 2012, 35, 300-308.	1.2	18
42	Phosphodiesterase 4 inhibition enhances the dopamine D1 receptor/PKA/DARPP-32 signaling cascade in frontal cortex. Psychopharmacology, 2012, 219, 1065-1079.	1.5	52
43	Functional Genomic and Proteomic Analysis Reveals Disruption of Myelin-Related Genes and Translation in a Mouse Model of Early Life Neglect. Frontiers in Psychiatry, 2011, 2, 18.	1.3	52
44	Beyond the dopamine receptor: regulation and roles of serine/threonine protein phosphatases. Frontiers in Neuroanatomy, 2011, 5, 50.	0.9	73
45	Reduced levels of the tyrosine phosphatase STEP block beta amyloidâ€mediated GluA1/GluA2 receptor internalization. Journal of Neurochemistry, 2011, 119, 664-672.	2.1	49
46	Flexibility in the PP1:spinophilin holoenzyme. FEBS Letters, 2011, 585, 36-40.	1.3	21
47	Protein Kinase C-Dependent Dephosphorylation of Tyrosine Hydroxylase Requires the B56Î´ Heterotrimeric Form of Protein Phosphatase 2A. PLoS ONE, 2011, 6, e26292.	1.1	21
48	Protein Phosphatase 2A Interacts with the Na+,K+-ATPase and Modulates Its Trafficking by Inhibition of Its Association with Arrestin. PLoS ONE, 2011, 6, e29269.	1.1	25
49	Signaling pathways controlling the phosphorylation state of WAVE1, a regulator of actin polymerization. Journal of Neurochemistry, 2010, 114, 182-190.	2.1	22
50	Spinophilin directs protein phosphatase 1 specificity by blocking substrate binding sites. Nature Structural and Molecular Biology, 2010, 17, 459-464.	3.6	181
51	Dopamine-Dependent Tuning of Striatal Inhibitory Synaptogenesis. Journal of Neuroscience, 2010, 30, 2935-2950.	1.7	35
52	Genetic reduction of striatal-enriched tyrosine phosphatase (STEP) reverses cognitive and cellular deficits in an Alzheimerâ€™s disease mouse model. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 19014-19019.	3.3	179
53	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. Journal of Biological Chemistry, 2010, 285, 11078-11086.	1.6	78
54	Forebrain overexpression of CK1Î´ leads to down-regulation of dopamine receptors and altered locomotor activity reminiscent of ADHD. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 4401-4406.	3.3	48

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55	Variability of Distribution of Ca2+/Calmodulin-Dependent Kinase II at Mixed Synapses on the Mauthner Cell: Colocalization and Association with Connexin 35. Journal of Neuroscience, 2010, 30, 9488-9499.	1.7	31
56	Aî²-Mediated NMDA Receptor Endocytosis in Alzheimer's Disease Involves Ubiquitination of the Tyrosine Phosphatase STEP₆₁. Journal of Neuroscience, 2010, 30, 5948-5957.	1.7	198
57	Localization of dopamine- and cAMP-regulated phosphoprotein-32 and inhibitor-1 in area 9 of Macaca mulatta prefrontal cortex. Neuroscience, 2010, 167, 428-438.	1.1	11
58	Evidence for the Involvement of Lfc and Tctex-1 in Axon Formation. Journal of Neuroscience, 2010, 30, 6793-6800.	1.7	36
59	Dual involvement of G-substrate in motor learning revealed by gene deletion. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 3525-3530.	3.3	29
60	Phosphorylation of Rap1GAP, a striatally enriched protein, by protein kinase A controls Rap1 activity and dendritic spine morphology. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 3531-3536.	3.3	60
61	Wnt-5a-induced Phosphorylation of DARPP-32 Inhibits Breast Cancer Cell Migration in a CREB-dependent Manner. Journal of Biological Chemistry, 2009, 284, 27533-27543.	1.6	70
62	CK2 negatively regulates Gî± _s signaling. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 14096-14101.	3.3	31
63	Methylphenidate-induced dendritic spine formation and î”FosB expression in nucleus accumbens. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 2915-2920.	3.3	107
64	Phosphorylation of the aminoâ€terminal region of X11L regulates its interaction with APP. Journal of Neurochemistry, 2009, 109, 465-475.	2.1	14
65	An immunocytochemical assay to detect human CFTR expression following gene transfer. Molecular and Cellular Probes, 2009, 23, 272-280.	0.9	10
66	PP1-mediated dephosphorylation of phosphoproteins at mitotic exit is controlled by inhibitor-1 and PP1 phosphorylation. Nature Cell Biology, 2009, 11, 644-651.	4.6	218
67	Prior chronic cocaine exposure in mice induces persistent alterations in cognitive function. Behavioural Pharmacology, 2009, 20, 695-704.	0.8	27
68	PP1î³2 and PPP1R11 Are Parts of a Multimeric Complex in Developing Testicular Germ Cells in which their Steady State Levels Are Reciprocally Related. PLoS ONE, 2009, 4, e4861.	1.1	27
69	Role of Calcineurin and Protein Phosphatase-2A in the Regulation of DARPP-32 Dephosphorylation in Neostriatal Neurons. Journal of Neurochemistry, 2008, 72, 2015-2021.	2.1	108
70	Subcellular distribution of the Rhoâ€GEF Lfc in primate prefrontal cortex: Effect of neuronal activation. Journal of Comparative Neurology, 2008, 508, 927-939.	0.9	9
71	A phosphatase cascade by which rewarding stimuli control nucleosomal response. Nature, 2008, 453, 879-884.	13.7	219
72	FGF acts as a co-transmitter through adenosine A2A receptor to regulate synaptic plasticity. Nature Neuroscience, 2008, 11, 1402-1409.	7.1	167

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73	Cocaine Regulates MEF2 to Control Synaptic and Behavioral Plasticity. Neuron, 2008, 59, 621-633.	3.8	246
74	Striatal dysregulation of Cdk5 alters locomotor responses to cocaine, motor learning, and dendritic morphology. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 18561-18566.	3.3	49
75	CaM kinase Iî±â€"induced phosphorylation of Drp1 regulates mitochondrial morphology. Journal of Cell Biology, 2008, 182, 573-585.	2.3	397
76	WAVE1 controls neuronal activity-induced mitochondrial distribution in dendritic spines. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 3112-3116.	3.3	99
77	Luteinizing Hormone Receptor Activation in Ovarian Granulosa Cells Promotes Protein Kinase A-Dependent Dephosphorylation of Microtubule-Associated Protein 2D. Molecular Endocrinology, 2008, 22, 1695-1710.	3.7	31
78	The B''/PR72 subunit mediates Ca2+-dependent dephosphorylation of DARPP-32 by protein phosphatase 2A. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 9876-9881.	3.3	99
79	A Calcium- and Calmodulin-Dependent Kinase IÂ/Microtubule Affinity Regulating Kinase 2 Signaling Cascade Mediates Calcium-Dependent Neurite Outgrowth. Journal of Neuroscience, 2007, 27, 4413-4423.	1.7	64
80	Proteomic Analysis of Activity-Dependent Synaptic Plasticity in Hippocampal Neurons. Journal of Proteome Research, 2007, 6, 3203-3215.	1.8	40
81	Regulation of Alzheimer's disease amyloid-beta formation by casein kinase I. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 4159-4164.	3.3	164
82	Regulation of Protein Phosphatase Inhibitor-1 by Cyclin-dependent Kinase 5. Journal of Biological Chemistry, 2007, 282, 16511-16520.	1.6	27
83	Protein kinase A activates protein phosphatase 2A by phosphorylation of the B56Â subunit. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 2979-2984.	3.3	244
84	A mathematical tool for exploring the dynamics of biological networks. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 19169-19174.	3.3	34
85	Calcium-induced synergistic inhibition of a translational factor eEF2 in nerve growth cones. Biochemical and Biophysical Research Communications, 2007, 353, 244-250.	1.0	16
86	Phosphorylation of CREB and DARPP-32 during late LTP at hippocampal to prefrontal cortex synapses in vivo. Synapse, 2007, 61, 24-28.	0.6	26
87	Structural characterization of the neurabin sterile alpha motif domain. Proteins: Structure, Function and Bioinformatics, 2007, 69, 192-198.	1.5	5
88	Disruption of reelin signaling attenuates methamphetamine-induced hyperlocomotion. European Journal of Neuroscience, 2007, 25, 3376-3384.	1.2	24
89	Expression of PKC substrate proteins, GAPâ€43 and neurogranin, is downregulated by cAMP signaling and alterations in synaptic activity. European Journal of Neuroscience, 2007, 26, 3043-3053.	1.2	11
90	Orbitofrontal Cortex and Cognitiveâ€Motivational Impairments in Psychostimulant Addiction. Annals of the New York Academy of Sciences, 2007, 1121, 610-638.	1.8	51

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91	Discovery of Protein Phosphatase 2C Inhibitors by Virtual Screening. Journal of Medicinal Chemistry, 2006, 49, 1658-1667.	2.9	65
92	Role for the PP2A/B56Î´ Phosphatase in Regulating 14-3-3 Release from Cdc25 to Control Mitosis. Cell, 2006, 127, 759-773.	13.5	183
93	D1 receptor modulation of memory retrieval performance is associated with changes in pCREB and pDARPP-32 in rat prefrontal cortex. Behavioural Brain Research, 2006, 171, 127-133.	1.2	62
94	Synaptic plasticity: one STEP at a time. Trends in Neurosciences, 2006, 29, 452-458.	4.2	116
95	2-Deoxyglucose and NMDA inhibit protein synthesis in neurons and regulate phosphorylation of elongation factor-2 by distinct mechanisms. Journal of Neurochemistry, 2006, 96, 815-824.	2.1	14
96	Dual regulation of translation initiation and peptide chain elongation during BDNF-induced LTP in vivo: evidence for compartment-specific translation control. Journal of Neurochemistry, 2006, 99, 1328-1337.	2.1	90
97	Oligomerization states of the association domain and the holoenyzme of Ca2+/CaM kinase II. FEBS Journal, 2006, 273, 682-694.	2.2	92
98	Phosphorylation of WAVE1 regulates actin polymerization and dendritic spine morphology. Nature, 2006, 442, 814-817.	13.7	289
99	In vivo phosphorylation of CFTR promotes formation of a nucleotide-binding domain heterodimer. EMBO Journal, 2006, 25, 4728-4739.	3.5	171
100	Assessment of cognitive function in the heterozygous reeler mouse. Psychopharmacology, 2006, 189, 95-104.	1.5	88
101	Phosphorylation of DARPP-32 regulates breast cancer cell migration downstream of the receptor tyrosine kinase DDR1. Experimental Cell Research, 2006, 312, 4011-4018.	1.2	52
102	Cocaine-induced dendritic spine formation in D1 and D2 dopamine receptor-containing medium spiny neurons in nucleus accumbens. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 3399-3404.	3.3	312
103	Allosteric changes of the NMDA receptor trap diffusible dopamine 1 receptors in spines. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 762-767.	3.3	115
104	Cocaine Self-Administration in Mice Is Inversely Related to Phosphorylation at Thr34 (Protein Kinase A) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.7	51
105	Thermodynamics of CFTR Channel Gating: A Spreading Conformational Change Initiates an Irreversible Gating Cycle. Journal of General Physiology, 2006, 128, 523-533.	0.9	54
106	Phosphorylation of Protein Phosphatase Inhibitor-1 by Protein Kinase C. Journal of Biological Chemistry, 2006, 281, 24322-24335.	1.6	24
107	Phosphorylation of DARPP-32 at Threonine-34 is Required for Cocaine Action. Neuropsychopharmacology, 2006, 31, 555-562.	2.8	90
108	Control of the CFTR channel's gates. Biochemical Society Transactions, 2005, 33, 1003.	1.6	31

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109	Regulation of spinophilin Ser94 phosphorylation in neostriatal neurons involves both DARPP-32-dependent and independent pathways. Journal of Neurochemistry, 2005, 95, 1642-1652.	2.1	9
110	A molecular switch for translational control in taste memory consolidation. European Journal of Neuroscience, 2005, 22, 2560-2568.	1.2	80
111	Regulation of NMDA receptor trafficking by amyloid-Î². Nature Neuroscience, 2005, 8, 1051-1058.	7.1	1,417
112	CFTR channel opening by ATP-driven tight dimerization of its nucleotide-binding domains. Nature, 2005, 433, 876-880.	13.7	385
113	Structural Domains Involved in the Regulation of Transmitter Release by Synapsins. Journal of Neuroscience, 2005, 25, 2658-2669.	1.7	134
114	Nicotine Regulates DARPP-32 (Dopamine- and cAMP-Regulated Phosphoprotein of 32 kDa) Phosphorylation at Multiple Sites in Neostriatal Neurons. Journal of Pharmacology and Experimental Therapeutics, 2005, 315, 872-878.	1.3	35
115	Channel Function Is Dissociated from the Intrinsic Kinase Activity and Autophosphorylation of TRPM7/ChaK1. Journal of Biological Chemistry, 2005, 280, 20793-20803.	1.6	168
116	Phosphorylation of spinophilin by ERK and cyclin-dependent PK 5 (Cdk5). Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 3489-3494.	3.3	48
117	From The Cover: Regulation of a protein phosphatase cascade allows convergent dopamine and glutamate signals to activate ERK in the striatum. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 491-496.	3.3	558
118	Increased activity of cyclin-dependent kinase 5 leads to attenuation of cocaine-mediated dopamine signaling. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 1737-1742.	3.3	81
119	Preferential Phosphorylation of R-domain Serine 768 Dampens Activation of CFTR Channels by PKA. Journal of General Physiology, 2005, 125, 171-186.	0.9	66
120	Functional Roles of Nonconserved Structural Segments in CFTR's NH2-terminal Nucleotide Binding Domain. Journal of General Physiology, 2005, 125, 43-55.	0.9	55
121	Regulation of the interaction between PIPKIÎ³ and talin by proline-directed protein kinases. Journal of Cell Biology, 2005, 168, 789-799.	2.3	106
122	Charge Screening by Internal pH and Polyvalent Cations as a Mechanism for Activation, Inhibition, and Rundown of TRPM7/MIC Channels. Journal of General Physiology, 2005, 126, 499-514.	0.9	117
123	Glutamate regulation of DARPP-32 phosphorylation in neostriatal neurons involves activation of multiple signaling cascades. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 1199-1204.	3.3	128
124	Quantitative Analysis of Protein Phosphorylation in Mouse Brain by Hypothesis-Driven Multistage Mass Spectrometry. Analytical Chemistry, 2005, 77, 7845-7851.	3.2	32
125	Structure of the Autoinhibited Kinase Domain of CaMKII and SAXS Analysis of the Holoenzyme. Cell, 2005, 123, 849-860.	13.5	293
126	The Rho-Specific GEF Lfc Interacts with Neurabin and Spinophilin to Regulate Dendritic Spine Morphology. Neuron, 2005, 47, 85-100.	3.8	132

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127	DARPP-32 mediates the actions of multiple drugs of abuse. AAPS Journal, 2005, 7, E353-E360.	2.2	152
128	Elevated glucose activates protein synthesis in cultured cardiac myocytes. Metabolism: Clinical and Experimental, 2005, 54, 1453-1460.	1.5	40
129	Regulation of synaptojanin 1 by cyclin-dependent kinase 5 at synapses. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 546-551.	3.3	172
130	Molecular characterization of recombinant mouse adenosine kinase and evaluation as a target for protein phosphorylation. FEBS Journal, 2004, 271, 3547-3555.	0.2	26
131	Spinophilin is phosphorylated by Ca2+/calmodulin-dependent protein kinase II resulting in regulation of its binding to F-actin. Journal of Neurochemistry, 2004, 90, 317-324.	2.1	56
132	Differential regulation of dopamine D1 and D2 signaling by nicotine in neostriatal neurons. Journal of Neurochemistry, 2004, 90, 1094-1103.	2.1	68
133	PKC-Î± regulates cardiac contractility and propensity toward heart failure. Nature Medicine, 2004, 10, 248-254.	15.2	551
134	Restoration of Protein Synthesis in Heart and Skeletal Muscle After Withdrawal of Alcohol. Alcoholism: Clinical and Experimental Research, 2004, 28, 517-525.	1.4	36
135	Letter to the Editor:1H,15N, and13C resonance assignments of DARPP-32 (dopamine and cAMP-regulated) Tj ETQq1 1 0.784314 rgBT /(NMR, 2004, 28, 413-414.	1.6	10
136	Regulation of ania-6 splice variants by distinct signaling pathways in striatal neurons. Journal of Neurochemistry, 2004, 86, 153-164.	2.1	27
137	A Network of Control Mediated by Regulator of Calcium/Calmodulin-Dependent Signaling. Science, 2004, 306, 698-701.	6.0	92
138	DARPP-32: An Integrator of Neurotransmission. Annual Review of Pharmacology and Toxicology, 2004, 44, 269-296.	4.2	639
139	Cytoplasmic localization of calcium/calmodulin-dependent protein kinase I-Î± depends on a nuclear export signal in its regulatory domain. FEBS Letters, 2004, 566, 275-280.	1.3	30
140	The role of DARPP-32 in the actions of drugs of abuse. Neuropharmacology, 2004, 47, 14-23.	2.0	117
141	A new model of the tautomycinâ€"PP1 complex that is not analogous to the corresponding okadaic acid structure. Bioorganic and Medicinal Chemistry Letters, 2003, 13, 1601-1605.	1.0	13
142	NMDA-mediated activation of the tyrosine phosphatase STEP regulates the duration of ERK signaling. Nature Neuroscience, 2003, 6, 34-42.	7.1	294
143	The selective inhibition of phosphatases by natural toxins: the anhydride domain of tautomycin is not a primary factor in controlling PP1/PP2A selectivity. Bioorganic and Medicinal Chemistry Letters, 2003, 13, 1597-1600.	1.0	20
144	Regulation of AMPA receptor dephosphorylation by glutamate receptor agonists. Neuropharmacology, 2003, 45, 703-713.	2.0	62

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145	Thr123 of rat G-substrate contributes to its action as a protein phosphatase inhibitor. Neuroscience Research, 2003, 45, 79-89.	1.0	34
146	Adenylyl cyclase-dependent form of chemical long-term potentiation triggers translational regulation at the elongation step. Neuroscience, 2003, 116, 743-752.	1.1	70
147	Crystal Structure of a Tetradecameric Assembly of the Association Domain of Ca2+/Calmodulin-Dependent Kinase II. Molecular Cell, 2003, 11, 1241-1251.	4.5	164
148	On the Mechanism of MgATP-dependent Gating of CFTR Clâ˘' Channels. Journal of General Physiology, 2003, 121, 17-36.	0.9	182
149	Protein phosphatase 2C binds selectively to and dephosphorylates metabotropic glutamate receptor 3. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 16006-16011.	3.3	67
150	Glucose Regulates EF-2 Phosphorylation and Protein Translation by a Protein Phosphatase-2A-dependent Mechanism in INS-1-derived 832/13 Cells. Journal of Biological Chemistry, 2003, 278, 18177-18183.	1.6	27
151	Prolonged Nonhydrolytic Interaction of Nucleotide with CFTR's NH2-terminal Nucleotide Binding Domain and its Role in Channel Gating. Journal of General Physiology, 2003, 122, 333-348.	0.9	139
152	Phosphorylation of Spinophilin Modulates Its Interaction with Actin Filaments. Journal of Biological Chemistry, 2003, 278, 1186-1194.	1.6	77
153	PNUTS, a Protein Phosphatase 1 (PP1) Nuclear Targeting Subunit. Journal of Biological Chemistry, 2003, 278, 13819-13828.	1.6	66
154	Metabotropic mGlu5 receptors regulate adenosine A2A receptor signaling. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 1322-1327.	3.3	135
155	Mechanism of Regulation of Casein Kinase I Activity by Group I Metabotropic Glutamate Receptors. Journal of Biological Chemistry, 2002, 277, 45393-45399.	1.6	79
156	Nerve growth factor controls GAP-43 mRNA stability via the phosphoprotein ARPP-19. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 12427-12431.	3.3	55
157	Distinct Mg2+-dependent Steps Rate Limit Opening and Closing of a Single CFTR Clâ˘' Channel. Journal of General Physiology, 2002, 119, 545-559.	0.9	21
158	A Direct Test of the Reductionist Approach to Structural Studies of Calmodulin Activity. Journal of Biological Chemistry, 2002, 277, 16351-16354.	1.6	43
159	A Novel cAMP-Stimulated Pathway in Protein Phosphatase 2A Activation. Journal of Pharmacology and Experimental Therapeutics, 2002, 302, 111-118.	1.3	94
160	The Carboxyl-Terminus of BACE Contains a Sorting Signal That Regulates BACE Trafficking but Not the Formation of Total Aî². Molecular and Cellular Neurosciences, 2002, 19, 175-185.	1.0	106
161	N-Methyl-D-aspartate receptor activation inhibits protein synthesis in cortical neurons independently of its ionic permeability properties. Neuroscience, 2002, 114, 859-867.	1.1	10
162	Neuron-Specific Phosphorylation of Alzheimer's î²-Amyloid Precursor Protein by Cyclin-Dependent Kinase 5. Journal of Neurochemistry, 2002, 75, 1085-1091.	2.1	212

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