Jean-Antoine Girault

List of Publications by Year
in descending order

183	16,837	13099	17105
papers	citations	h-index	g-index

200	200	200	15547
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	DARPP-32: An Integrator of Neurotransmission. Annual Review of Pharmacology and Toxicology, 2004, 44, 269-296.	9.4	639
2	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.	7.1	558
3	Phosphorylation of DARPP-32 by Cdk5 modulates dopamine signalling in neurons. Nature, 1999, 402, 669-671.	27.8	538
4	Opposing Patterns of Signaling Activation in Dopamine D₁and D₂Receptor-Expressing Striatal Neurons in Response to Cocaine and Haloperidol. Journal of Neuroscience, 2008, 28, 5671-5685.	3.6	526
5	Protein interaction mapping: A Drosophila case study. Genome Research, 2005, 15, 376-384.	5.5	509
6	DARPP-32: Regulator of the Efficacy of Dopaminergic Neurotransmission. , 1998, 281, 838-842.		428
7	Critical Involvement of cAMP/DARPP-32 and Extracellular Signal-Regulated Protein Kinase Signaling in L-DOPA-Induced Dyskinesia. Journal of Neuroscience, 2007, 27, 6995-7005.	3.6	400
8	Addictive and nonâ€addictive drugs induce distinct and specific patterns of ERK activation in mouse brain. European Journal of Neuroscience, 2004, 19, 1826-1836.	2.6	389
9	Activation of NMDA receptors induces dephosphorylation of DARPP-32 in rat striatal slices. Nature, 1990, 343, 369-372.	27.8	373
10	The Neurobiology of Dopamine Signaling. Archives of Neurology, 2004, 61, 641.	4.5	358
11	Regulation of Extracellular Signal-Regulated Kinase by Cannabinoids in Hippocampus. Journal of Neuroscience, 2003, 23, 2371-2382.	3.6	304
12	ERK2: a logical AND gate critical for drug-induced plasticity?. Current Opinion in Pharmacology, 2007, 7, 77-85.	3.5	304
13	Histone acetyltransferase activity of CBP is controlled by cycle-dependent kinases and oncoprotein E1A. Nature, 1998, 396, 184-186.	27.8	291
14	Inhibition of ERK pathway or protein synthesis during reexposure to drugs of abuse erases previously learned place preference. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 2932-2937.	7.1	273
15	Neurofascin Is a Glial Receptor for the Paranodin/Caspr-Contactin Axonal Complex at the Axoglial Junction. Current Biology, 2002, 12, 217-220.	3.9	266
16	Parsing Molecular and Behavioral Effects of Cocaine in Mitogen- and Stress-Activated Protein Kinase-1-Deficient Mice. Journal of Neuroscience, 2005, 25, 11444-11454.	3.6	263
17	Genome-wide association and genetic functional studies identify autism susceptibility candidate 2 gene (AUTS2) in the regulation of alcohol consumption. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 7119-7124.	7.1	258
18	Axo-Glial Interactions Regulate the Localization of Axonal Paranodal Proteins. Journal of Cell Biology, 1999, 147, 1145-1152.	5.2	236

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19	Paranodin, a Glycoprotein of Neuronal Paranodal Membranes. Neuron, 1997, 19, 319-331.	8.1	231
20	A phosphatase cascade by which rewarding stimuli control nucleosomal response. Nature, 2008, 453, 879-884.	27.8	219
21	Association of TAG-1 with Caspr2 is essential for the molecular organization of juxtaparanodal regions of myelinated fibers. Journal of Cell Biology, 2003, 162, 1161-1172.	5.2	218
22	How can drug discovery for psychiatric disorders be improved?. Nature Reviews Drug Discovery, 2007, 6, 189-201.	46.4	217
23	Striatal Medium-Sized Spiny Neurons: Identification by Nuclear Staining and Study of Neuronal Subpopulations in BAC Transgenic Mice. PLoS ONE, 2009, 4, e4770.	2.5	214
24	Looking BAC at striatal signaling: cell-specific analysis in new transgenic mice. Trends in Neurosciences, 2009, 32, 538-547.	8.6	196
25	Nodal, paranodal and juxtaparanodal axonal proteins during demyelination and remyelination in multiple sclerosis. Brain, 2006, 129, 3186-3195.	7.6	189
26	Mechanisms of Locomotor Sensitization to Drugs of Abuse in a Two-Injection Protocol. Neuropsychopharmacology, 2010, 35, 401-415.	5.4	180
27	FAK and PYK2/CAKÎ² in the nervous system: a link between neuronal activity, plasticity and survival?. Trends in Neurosciences, 1999, 22, 257-263.	8.6	178
28	Glutamate-Dependent Phosphorylation of Elongation Factor-2 and Inhibition of Protein Synthesis in Neurons. Journal of Neuroscience, 1997, 17, 3445-3454.	3.6	165
29	<scp>l</scp>â€ÐOPA activates ERK signaling and phosphorylates histone H3 in the striatonigral medium spiny neurons of hemiparkinsonian mice. Journal of Neurochemistry, 2009, 108, 621-633.	3.9	164
30	GÎ±_{olf}Levels Are Regulated by Receptor Usage and Control Dopamine and Adenosine Action in the Striatum. Journal of Neuroscience, 2001, 21, 4390-4399.	3.6	156
31	The N-termini of FAK and JAKs contain divergent band 4.1 domains. Trends in Biochemical Sciences, 1999, 24, 54-57.	7.5	154
32	The DARPP-32/protein phosphatase-1 cascade: a model for signal integration1Published on the World Wide Web on 22 January 1998.1. Brain Research Reviews, 1998, 26, 274-284.	9.0	152
33	Persistent Increase in Olfactory Type G-Protein Â Subunit Levels May Underlie D1 Receptor Functional Hypersensitivity in Parkinson Disease. Journal of Neuroscience, 2004, 24, 7007-7014.	3.6	146
34	Role of the ERK pathway in psychostimulant-induced locomotor sensitization. BMC Neuroscience, 2006, 7, 20.	1.9	146
35	Cannabinoids activate p38â€ƒmitogen-activated protein kinases through CB1 receptors in hippocampus. Journal of Neurochemistry, 2001, 77, 957-960.	3.9	145
36	Role of the ERK/MSK1 signalling pathway in chromatin remodelling and brain responses to drugs of abuse. Journal of Neurochemistry, 2009, 108, 1323-1335.	3.9	140

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37	DARPP-32 Is a Robust Integrator of Dopamine and Glutamate Signals. PLoS Computational Biology, 2006, 2, e176.	3.2	139
38	Differential Regulation of Proline-rich Tyrosine Kinase 2/Cell Adhesion Kinase Î² (PYK2/CAKÎ²) and pp125FAK by Glutamate and Depolarization in Rat Hippocampus. Journal of Biological Chemistry, 1996, 271, 28942-28946.	3.4	130
39	Protein 4.1B associates with both Caspr/paranodin and Caspr2 at paranodes and juxtaparanodes of myelinated fibres. European Journal of Neuroscience, 2003, 17, 411-416.	2.6	124
40	[23] Production of phosphorylation state-specific antibodies. Methods in Enzymology, 1991, 201, 264-283.	1.0	122
41	F3/contactin, a neuronal cell adhesion molecule implicated in axogenesis and myelination. Biology of the Cell, 2002, 94, 327-334.	2.0	120
42	The Glycosylphosphatidyl Inositol-Anchored Adhesion Molecule F3/Contactin Is Required for Surface Transport of Paranodin/Contactin-Associated Protein (Caspr). Journal of Cell Biology, 2000, 149, 491-502.	5.2	119
43	Alternative Splicing Controls the Mechanisms of FAK Autophosphorylation. Molecular and Cellular Biology, 2002, 22, 7731-7743.	2.3	118
44	The role of DARPP-32 in the actions of drugs of abuse. Neuropharmacology, 2004, 47, 14-23.	4.1	117
45	Role of Cannabinoid Type 1 Receptors in Locomotor Activity and Striatal Signaling in Response to Psychostimulants. Journal of Neuroscience, 2007, 27, 6937-6947.	3.6	115
46	Characterization of dopamine D1 and D2 receptorâ€expressing neurons in the mouse hippocampus. Hippocampus, 2012, 22, 2199-2207.	1.9	115
47	Plasticity-Associated Gene Krox24/Zif268 Is Required for Long-Lasting Behavioral Effects of Cocaine. Journal of Neuroscience, 2006, 26, 4956-4960.	3.6	111
48	Cyclic Adenosine Monophosphateâ€“Independent Tyrosine Phosphorylation of NR2B Mediates Cocaine-Induced Extracellular Signal-Regulated Kinase Activation. Biological Psychiatry, 2011, 69, 218-227.	1.3	110
49	What is the degree of segregation between striatonigral and striatopallidal projections?. Frontiers in Neuroanatomy, 2010, 4, .	1.7	108
50	Distribution and compartmental organization of GABAergic medium-sized spiny neurons in the mouse nucleus accumbens. Frontiers in Neural Circuits, 2013, 7, 22.	2.8	105
51	Conditional BDNF delivery from astrocytes rescues memory deficits, spine density and synaptic properties in the 5xFAD mouse model of Alzheimer disease. Journal of Neuroscience, 2019, 39, 2121-18.	3.6	105
52	Development of nodes of Ranvier. Current Opinion in Neurobiology, 2002, 12, 476-485.	4.2	104
53	Ezrin Interacts with Focal Adhesion Kinase and Induces Its Activation Independently of Cell-matrix Adhesion. Journal of Biological Chemistry, 2001, 276, 37686-37691.	3.4	103
54	FAK dimerization controls its kinase-dependent functions at focal adhesions. EMBO Journal, 2014, 33, 356-370.	7.8	101

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55	DARPP-32, Jack of All Trades? Master of Which?. Frontiers in Behavioral Neuroscience, 2011, 5, 56.	2.0	96
56	Spatial distribution of D1R- and D2R-expressing medium-sized spiny neurons differs along the rostro-caudal axis of the mouse dorsal striatum. Frontiers in Neural Circuits, 2013, 7, 124.	2.8	96
57	Growth Factor Activity of Endothelin-1 in Primary Astrocytes Mediated by Adhesion-Dependent and -Independent Pathways. Journal of Neuroscience, 1997, 17, 6203-6212.	3.6	95
58	PIAS1-mediated Sumoylation of Focal Adhesion Kinase Activates Its Autophosphorylationn. Journal of Biological Chemistry, 2003, 278, 47434-47440.	3.4	91
59	RASGRF2 regulates alcohol-induced reinforcement by influencing mesolimbic dopamine neuron activity and dopamine release. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 21128-21133.	7.1	90
60	Janus Kinases and Focal Adhesion Kinases Play in the 4.1 Band: A Superfamily of Band 4.1 Domains Important for Cell Structure and Signal Transduction. Molecular Medicine, 1998, 4, 751-769.	4.4	89
61	Histone H3 Phosphorylation is Under the Opposite Tonic Control of Dopamine D2 and Adenosine A2A Receptors in Striatopallidal Neurons. Neuropsychopharmacology, 2009, 34, 1710-1720.	5.4	85
62	Focal Adhesion Kinase in Rat Central Nervous System. European Journal of Neuroscience, 1995, 7, 1810-1821.	2.6	81
63	Pyk2 modulates hippocampal excitatory synapses and contributes to cognitive deficits in a Huntingtonâ€™s disease model. Nature Communications, 2017, 8, 15592.	12.8	81
64	FAK+and PYK2/CAKÎ², two related tyrosine kinases highly expressed in the central nervous system: similarities and differences in the expression pattern. European Journal of Neuroscience, 1999, 11, 3777-3788.	2.6	80
65	Integrating Neurotransmission in Striatal Medium Spiny Neurons. Advances in Experimental Medicine and Biology, 2012, 970, 407-429.	1.6	79
66	GÂolf Mutation Allows Parsing the Role of cAMP-Dependent and Extracellular Signal-Regulated Kinase-Dependent Signaling in L-3,4-Dihydroxyphenylalanine-Induced Dyskinesia. Journal of Neuroscience, 2012, 32, 5900-5910.	3.6	78
67	Endothelin Induces a Calciumâ€Dependent Phosphorylation of PEAâ€15 in Intact Astrocytes: Identification of Ser¹⁰⁴ and Ser¹¹⁶ Phosphorylated, Respectively, by Protein Kinase C and Calcium/Calmodulin Kinase II In Vitro. Journal of Neurochemistry, 1998, 71, 1307-1314.	3.9	77
68	Focal Adhesion Kinase pp125FAK Interacts With the Large Conductance Calcium-Activated hSlo Potassium Channel in Human Osteoblasts: Potential Role in Mechanotransduction. Journal of Bone and Mineral Research, 2003, 18, 1863-1871.	2.8	75
69	Tyrosine phosphorylation of NMDA receptor in rat striatum: effects of 6-OH-dopamine lesions. NeuroReport, 1995, 7, 125-128.	1.2	74
70	Phosphorylation of DARPP-32, a Dopamine- and cAMP-regulated Phosphoprotein, by Casein Kinase I in Vitro and in Vivo. Journal of Biological Chemistry, 1995, 270, 8772-8778.	3.4	70
71	Characterization in Mammalian Brain of a DARPP-32 Serine Kinase Identical to Casein Kinase II. Journal of Neurochemistry, 1990, 55, 1772-1783.	3.9	69
72	Organization and post-transcriptional processing of focal adhesion kinase gene. BMC Genomics, 2006, 7, 198.	2.8	67

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73	Adenylate Cyclase 1 as a Key Actor in the Refinement of Retinal Projection Maps. Journal of Neuroscience, 2003, 23, 2228-2238.	3.6	66
74	Distribution of Protein Phosphatase Inhibitor-1 in Brain and Peripheral Tissues of Various Species: Comparison with DARPP-32. Journal of Neurochemistry, 1992, 59, 1053-1061.	3.9	65
75	Haloperidol Regulates the State of Phosphorylation of Ribosomal Protein S6 via Activation of PKA and Phosphorylation of DARPP-32. Neuropsychopharmacology, 2011, 36, 2561-2570.	5.4	65
76	Essential role of oligodendrocytes in the formation and maintenance of central nervous system nodal regions. Development (Cambridge), 2001, 128, 4881-4890.	2.5	64
77	Quantitative Changes in GÎ±olf Protein Levels, but not D1 Receptor, Alter Specifically Acute Responses to Psychostimulants. Neuropsychopharmacology, 2007, 32, 1109-1121.	5.4	63
78	The Paranodal Complex of F3/Contactin and Caspr/Paranodin Traffics to the Cell Surface via a Non-conventional Pathway. Journal of Biological Chemistry, 2003, 278, 48339-48347.	3.4	61
79	PKA-Dependent Phosphorylation of Ribosomal Protein S6 Does Not Correlate with Translation Efficiency in Striatonigral and Striatopallidal Medium-Sized Spiny Neurons. Journal of Neuroscience, 2015, 35, 4113-4130.	3.6	61
80	Ghrelin and food reward. Neuropharmacology, 2019, 148, 131-138.	4.1	59
81	Differential regulation of FAK+ and PYK2/CakÎ², two related tyrosine kinases, in rat hippocampal slices: effects of LPA, carbachol, depolarization and hyperosmolarity. European Journal of Neuroscience, 1998, 10, 1667-1675.	2.6	58
82	ARPP-16/ARPP-19: a highly conserved family of cAMP-regulated phosphoproteins. Journal of Neurochemistry, 2001, 77, 229-238.	3.9	57
83	Nodes of Ranvier and Paranodes in Chronic Acquired Neuropathies. PLoS ONE, 2011, 6, e14533.	2.5	56
84	cAMP and Extracellular Signal-Regulated Kinase Signaling in Response to d-Amphetamine and Methylphenidate in the Prefrontal Cortex in Vivo: Role of Î²1-Adrenoceptors. Molecular Pharmacology, 2005, 68, 421-429.	2.3	54
85	Striatal neurones have a specific ability to respond to phasic dopamine release. Journal of Physiology, 2013, 591, 3197-3214.	2.9	54
86	Dual Role of Fyn in the Regulation of FAK+6,7 by Cannabinoids in Hippocampus. Journal of Biological Chemistry, 2001, 276, 38289-38296.	3.4	53
87	Depolarization and Neurotransmitters Increase Neuronal Protein Tyrosine Phosphorylation. Journal of Neurochemistry, 1994, 62, 950-959.	3.9	53
88	Alternatively Spliced Focal Adhesion Kinase in Rat Brain with Increased Autophosphorylation Activity. Journal of Biological Chemistry, 1997, 272, 28720-28725.	3.4	52
89	Protein 4.1B Contributes to the Organization of Peripheral Myelinated Axons. PLoS ONE, 2011, 6, e25043.	2.5	52
90	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.	7.1	51

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91	PGY Repeats and N-Glycans Govern the Trafficking of Paranodin and Its Selective Association with Contactin and Neurofascin-155. Molecular Biology of the Cell, 2007, 18, 229-241.	2.1	47
92	Immunocytochemical localization of phosphatase inhibitor-1 in rat brain. Journal of Comparative Neurology, 1991, 310, 170-188.	1.6	46
93	Sequence Analysis Identifies a Ras-Associating (RA)-like Domain in the N-Termini of Band 4.1/JEF Domains and in the Grb7/10/14 Adapter Family. Biochemical and Biophysical Research Communications, 1999, 259, 113-120.	2.1	46
94	Dendritic geometry shapes neuronal cAMP signalling to the nucleus. Nature Communications, 2015, 6, 6319.	12.8	46
95	Bilateral cerebral metabolic alterations following lesion of the ventromedial thalamic nucleus: Mapping by the14C-deoxyglucose method in conscious rats. Journal of Comparative Neurology, 1985, 231, 137-149.	1.6	45
96	Syndecan-3 and syndecan-4 are enriched in Schwann cell perinodal processes. BMC Neuroscience, 2003, 4, 29.	1.9	45
97	Phosphorylation of Arfaptin 2 at Ser260 by Akt Inhibits PolyQ-huntingtin-induced Toxicity by Rescuing Proteasome Impairment. Journal of Biological Chemistry, 2005, 280, 22021-22028.	3.4	45
98	Autophosphorylation-independent and -dependent Functions of Focal Adhesion Kinase during Development. Journal of Biological Chemistry, 2009, 284, 34769-34776.	3.4	45
99	Signaling in Striatal Neurons. Progress in Molecular Biology and Translational Science, 2012, 106, 33-62.	1.7	44
100	Haloperidol promotes mTORC1-dependent phosphorylation of ribosomal protein S6 via dopamine- and cAMP-regulated phosphoprotein of 32ÂkDa and inhibition of protein phosphatase-1. Neuropharmacology, 2013, 72, 197-203.	4.1	44
101	Genetic variants in autism-related CNTNAP2 impair axonal growth of cortical neurons. Human Molecular Genetics, 2018, 27, 1941-1954.	2.9	44
102	Excitatory amino acid antagonists and Parkinson's disease. Trends in Neurosciences, 1990, 13, 325-326.	8.6	42
103	Depolarization Activates ERK and Proline-rich Tyrosine Kinase 2 (PYK2) Independently in Different Cellular Compartments in Hippocampal Slices. Journal of Biological Chemistry, 2005, 280, 660-668.	3.4	42
104	MafA transcription factor is phosphorylated by p38 MAP kinase. FEBS Letters, 2005, 579, 3547-3554.	2.8	41
105	Focal Adhesion Kinase Splice Variants Maintain Primitive Acute Myeloid Leukemia Cells Through Altered Wnt Signaling. Stem Cells, 2012, 30, 1597-1610.	3.2	41
106	Functional and molecular heterogeneity of D2R neurons along dorsal ventral axis in the striatum. Nature Communications, 2020, 11, 1957.	12.8	41
107	Apomorphine and haloperidol effects on striatal 3H-dopamine release in anesthetized, awake restrained and freely moving rats. Brain Research Bulletin, 1986, 16, 161-166.	3.0	40
108	Cloning of focal adhesion kinase, pp125FAK, from rat brain reveals multiple transcripts with different patterns of expression. Molecular Brain Research, 1996, 37, 63-73.	2.3	39

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109	Gene Expression Analyses Identify Narp Contribution in the Development of l-DOPA-Induced Dyskinesia. Journal of Neuroscience, 2015, 35, 96-111.	3.6	39
110	Autophosphorylation of Tyr397 and its phosphorylation by Src-family kinases are altered in focal-adhesion-kinase neuronal isoforms. Biochemical Journal, 2000, 348, 119-128.	3.7	38
111	DARPP-32 interaction with adducin may mediate rapid environmental effects on striatal neurons. Nature Communications, 2015, 6, 10099.	12.8	37
112	PTK2B/Pyk2 overexpression improves a mouse model of Alzheimer's disease. Experimental Neurology, 2018, 307, 62-73.	4.1	36
113	Selective Effects of PDE10A Inhibitors on Striatopallidal Neurons Require Phosphatase Inhibition by DARPP-32. ENeuro, 2015, 2, ENEURO.0060-15.2015.	1.9	34
114	Calcineurin is essential for depolarization-induced nuclear translocation and tyrosine phosphorylation of PYK2 in neurons. Journal of Cell Science, 2007, 120, 3034-3044.	2.0	33
115	Heterozygous Gnal Mice Are a Novel Animal Model with Which to Study Dystonia Pathophysiology. Journal of Neuroscience, 2017, 37, 6253-6267.	3.6	33
116	Association of Caspr/paranodin with tumour suppressor schwannomin/merlin and Î²1 integrin in the central nervous system. Journal of Neurochemistry, 2003, 84, 209-221.	3.9	31
117	Differential regulation of Cdc2 and Aurora-A in Xenopus oocytes: a crucial role of phosphatase 2A. Journal of Cell Science, 2005, 118, 2485-2494.	2.0	31
118	Transient and rapid activation of Akt/GSKâ€3Î² and <scp>mTORC</scp>1 signaling by D3 dopamine receptor stimulation in dorsal striatum and nucleus accumbens. Journal of Neurochemistry, 2013, 125, 532-544.	3.9	31
119	Delayed, context- and dopamine D1 receptor-dependent activation of ERK in morphine-sensitized mice. Neuropharmacology, 2008, 55, 230-237.	4.1	30
120	How to awaken your nanomachines: Site-specific activation of focal adhesion kinases through ligand interactions. Progress in Biophysics and Molecular Biology, 2015, 119, 60-71.	2.9	30
121	Localization of focal adhesion kinase isoforms in cells of the central nervous system. International Journal of Developmental Neuroscience, 2003, 21, 83-93.	1.6	29
122	Chronic Treatment of Rats with SCH-23390 or Raclopride Does Not Affect the Concentrations of DARPP-32 or Its mRNA in Dopamine-Innervated Brain Regions. Journal of Neurochemistry, 1990, 55, 204-207.	3.9	28
123	Dephosphorylation of Ser-137 in DARPP-32 by protein phosphatases 2A and 2C: different roles in vitro and in striatonigral neurons. Biochemical Journal, 1998, 330, 211-216.	3.7	28
124	PKR knockout in the 5xFAD model of Alzheimer's disease reveals beneficial effects on spatial memory and brain lesions. Aging Cell, 2019, 18, e12887.	6.7	28
125	Conformational Dynamics of the Focal Adhesion Targeting Domain Control Specific Functions of Focal Adhesion Kinase in Cells. Journal of Biological Chemistry, 2015, 290, 478-491.	3.4	27
126	Tumor Suppressor Schwannomin/Merlin Is Critical for the Organization of Schwann Cell Contacts in Peripheral Nerves. Journal of Neuroscience, 2008, 28, 10472-10481.	3.6	26

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127	Schwannomin-Interacting Protein-1 Isoform IQCJ-SCHIP-1 Is a Late Component of Nodes of Ranvier and Axon Initial Segments. Journal of Neuroscience, 2008, 28, 6111-6117.	3.6	26
128	Improving the quality of immunoblots by chromatography of polyclonal antisera on keratin affinity columns. Analytical Biochemistry, 1989, 182, 193-196.	2.4	25
129	Echistatin inhibits pp125^{FAK} autophosphorylation, paxillin phosphorylation and pp125^{FAK}â€“paxillin interaction in fibronectinâ€adherent melanoma cells. FEBS Journal, 2000, 267, 5047-5054.	0.2	24
130	Signaling from the Cytoplasm to the Nucleus in Striatal Medium-Sized Spiny Neurons. Frontiers in Neuroanatomy, 2011, 5, 37.	1.7	24
131	<scp>P</scp>yk2 is essential for astrocytes mobility following brain lesion. Glia, 2016, 64, 620-634.	4.9	24
132	Glutamate Counteracts Dopamine/PKA Signaling via Dephosphorylation of DARPP-32 Ser-97 and Alteration of Its Cytonuclear Distribution. Journal of Biological Chemistry, 2017, 292, 1462-1476.	3.4	23
133	Protein Phosphotyrosine in Mouse Brain: Developmental Changes and Regulation by Epidermal Growth Factor, Type I Insulin-Like Growth Factor, and Insulin. Journal of Neurochemistry, 1992, 58, 518-528.	3.9	22
134	Specific interactions of neuronal focal adhesion kinase isoforms with Src kinases and amphiphysin. Journal of Neurochemistry, 2003, 84, 253-265.	3.9	22
135	FAK and PYK2 interact with SAP90/PSD-95-Associated Protein-3. Biochemical and Biophysical Research Communications, 2005, 337, 641-646.	2.1	22
136	Pyk2 in the amygdala modulates chronic stress sequelae via PSD-95-related micro-structural changes. Translational Psychiatry, 2019, 9, 3.	4.8	22
137	Pyk2 cytonuclear localization: mechanisms and regulation by serine dephosphorylation. Cellular and Molecular Life Sciences, 2013, 70, 137-152.	5.4	21
138	The Non-receptor Tyrosine Kinase Pyk2 in Brain Function and Neurological and Psychiatric Diseases. Frontiers in Synaptic Neuroscience, 2021, 13, 749001.	2.5	21
139	Dopamine D1Agonist SKF 38393 Increases the State of Phosphorylation of ARPP-21 in Substantia Nigra. Journal of Neurochemistry, 1993, 60, 1043-1046.	3.9	19
140	Release of newly synthesized 3h-dopamine in the striatum: An adaptation of the push-pull cannula method to awake restrained and anesthetized rats. Brain Research Bulletin, 1986, 16, 149-154.	3.0	18
141	DARPP-32 binds to tra2-beta1 and influences alternative splicing. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2010, 1799, 448-453.	1.9	18
142	Transmembrane scaffolding proteins in the formation and stability of nodes of Ranvier. Biology of the Cell, 2003, 95, 447-452.	2.0	17
143	Role of the Plasticity-Associated Transcription Factor Zif268 in the Early Phase of Instrumental Learning. PLoS ONE, 2014, 9, e81868.	2.5	17
144	Helios expression coordinates the development of a subset of striatopallidal medium spiny neurons. Development (Cambridge), 2017, 144, 1566-1577.	2.5	17

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145	Cyclin-Dependent Kinase 5 Dysfunction Contributes to Depressive-like Behaviors in Huntingtonâ€™s Disease by Altering the DARPP-32 Phosphorylation Status in the Nucleus Accumbens. Biological Psychiatry, 2019, 86, 196-207.	1.3	17
146	The translocation of focal adhesion kinase in brain synaptosomes is regulated by phosphorylation and actin assembly. Journal of Neurochemistry, 2002, 81, 1212-1222.	3.9	16
147	Fluorescenceâ€activated sorting of fixed nuclei: a general method for studying nuclei from specific cell populations that preserves postâ€translational modifications. European Journal of Neuroscience, 2014, 39, 1234-1244.	2.6	16
148	fMRI detects bilateral brain network activation following unilateral chemogenetic activation of direct striatal projection neurons. NeuroImage, 2020, 220, 117079.	4.2	16
149	A translational systems biology approach in both animals and humans identifies a functionally related module of accumbal genes involved in the regulation of reward processing and binge drinking in males. Journal of Psychiatry and Neuroscience, 2016, 41, 192-202.	2.4	16
150	The cytoskeleton-associated protein SCHIP1 is involved in axon guidance, and is required for piriform cortex and anterior commissure development. Development (Cambridge), 2015, 142, 2026-2036.	2.5	15
151	DARPP-32 40 years later. Advances in Pharmacology, 2021, 90, 67-87.	2.0	15
152	Two-photon Imaging of Microglial Processes' Attraction Toward ATP or Serotonin in Acute Brain Slices. Journal of Visualized Experiments, 2019, , .	0.3	14
153	Mouse Modeling Dissecting Macrophageâ€“Breast Cancer Communication Uncovered Roles of PYK2 in Macrophage Recruitment and Breast Tumorigenesis. Advanced Science, 2022, 9, e2105696.	11.2	14
154	Requirement of Pyk2 for the activation of the MAP kinase cascade induced by Ca2+(but not by PKC or G) Tj ETQq0 0 0 rgBT /Overlock 1	2.8	12
155	Differential enhancement of ERK, PKA and Ca2+ signaling in direct and indirect striatal neurons of Parkinsonian mice. Neurobiology of Disease, 2019, 130, 104506.	4.4	12
156	Translational profiling of mouse dopaminoceptive neurons reveals region-specific gene expression, exon usage, and striatal prostaglandin E2 modulatory effects. Molecular Psychiatry, 2022, 27, 2068-2079.	7.9	12
157	Unilateral Lesion of Dopamine Neurons Induces Grooming Asymmetry in the Mouse. PLoS ONE, 2015, 10, e0137185.	2.5	11
158	Autophosphorylation of Tyr397 and its phosphorylation by Src-family kinases are altered in focal-adhesion-kinase neuronal isoforms. Biochemical Journal, 2000, 348, 119.	3.7	10
159	Cocaine conditioned place preference: unexpected suppression of preference due to testing combined with strong conditioning. Addiction Biology, 2019, 24, 364-375.	2.6	10
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