Paul Greengard

List of Publications by Citations

472 papers	59,633 citations	136 h-index	227 g-index
496 ext. papers	64,594 ext. citations	12.8 avg, IF	7.37 L-index

#	Paper	IF	Citations
472	Regulation of NMDA receptor trafficking by amyloid-beta. *Nature Neuroscience*, **2005**, 8, 1051-8	25.5	1238
471	Synaptic vesicle phosphoproteins and regulation of synaptic function. *Science*, **1993**, 259, 780-5	33.3	1140
470	Dichotomous dopaminergic control of striatal synaptic plasticity. *Science*, **2008**, 321, 848-51	33.3	848
469	A translational profiling approach for the molecular characterization of CNS cell types. *Cell*, **2008**, 135, 738-48	56.2	796
468	Loss of bidirectional striatal synaptic plasticity in L-DOPA-induced dyskinesia. *Nature Neuroscience*, **2003**, 6, 501-6	25.5	692
467	The neurobiology of slow synaptic transmission. *Science*, **2001**, 294, 1024-30	33.3	682
466	Application of a translational profiling approach for the comparative analysis of CNS cell types. *Cell*, **2008**, 135, 749-62	56.2	663
465	Possible role for cyclic nucleotides and phosphorylated membrane proteins in postsynaptic actions of neurotransmitters. *Nature*, **1976**, 260, 101-8	50.4	661
464	Beyond the dopamine receptor: the DARPP-32/protein phosphatase-1 cascade. *Neuron*, **1999**, 23, 435-47	13.9	658
463	IRE1□induces thioredoxin-interacting protein to activate the NLRP3 inflammasome and promote programmed cell death under irremediable ER stress. *Cell Metabolism*, **2012**, 16, 250-64	24.6	567
462	DARPP-32: an integrator of neurotransmission. *Annual Review of Pharmacology and Toxicology*, **2004**, 44, 269-96	17.9	551
461	DARPP-32, a dopamine- and adenosine 3':5'-monophosphate-regulated phosphoprotein enriched in dopamine-innervated brain regions. III. Immunocytochemical localization. *Journal of Neuroscience*, **1984**, 4, 111-24	6.6	547
460	Indirubins inhibit glycogen synthase kinase-3 beta and CDK5/p25, two protein kinases involved in abnormal tau phosphorylation in Alzheimer's disease. A property common to most cyclin-dependent kinase inhibitors?. *Journal of Biological Chemistry*, **2001**, 276, 251-60	5.4	546
459	DARPP-32, a dopamine-regulated neuronal phosphoprotein, is a potent inhibitor of protein phosphatase-1. *Nature*, **1984**, 310, 503-5	50.4	528
458	Cholinergic agonists and interleukin 1 regulate processing and secretion of the Alzheimer beta/A4 amyloid protein precursor. *Proceedings of the National Academy of Sciences of the United States of America*, **1992**, 89, 10075-8	11.5	513
457	Pharmacological inhibitors of glycogen synthase kinase 3. *Trends in Pharmacological Sciences*, **2004**, 25, 471-80	13.2	510
456	Essential role of the histone methyltransferase G9a in cocaine-induced plasticity. *Science*, **2010**, 327, 213-6	33.3	504

455	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, 491-6	11.5	486
454	Phosphorylation of DARPP-32 by Cdk5 modulates dopamine signalling in neurons. *Nature*, **1999**, 402, 669-71	50.4	483
453	Estrogen reduces neuronal generation of Alzheimer beta-amyloid peptides. *Nature Medicine*, **1998**, 4, 447-51	50.5	479
452	Pharmacological inhibitors of cyclin-dependent kinases. *Trends in Pharmacological Sciences*, **2002**, 23, 417-25	13.2	478
451	Modulation of calcium currents by a D1 dopaminergic protein kinase/phosphatase cascade in rat neostriatal neurons. *Neuron*, **1995**, 14, 385-97	13.9	474
450	Synapsins as mediators of BDNF-enhanced neurotransmitter release. *Nature Neuroscience*, **2000**, 3, 323-9	25.5	462
449	Enhancement of the glutamate response by cAMP-dependent protein kinase in hippocampal neurons. *Science*, **1991**, 253, 1135-8	33.3	462
448	Protein phosphorylation in the brain. *Nature*, **1983**, 305, 583-8	50.4	450
447	Alterations in 5-HT1B receptor function by p11 in depression-like states. *Science*, **2006**, 311, 77-80	33.3	446
446	Distinct pools of synaptic vesicles in neurotransmitter release. *Nature*, **1995**, 375, 493-7	50.4	442
445	Processing of Alzheimer beta/A4 amyloid precursor protein: modulation by agents that regulate protein phosphorylation. *Proceedings of the National Academy of Sciences of the United States of America*, **1990**, 87, 6003-6	11.5	434
444	Cerebellar neurodegeneration in the absence of microRNAs. *Journal of Experimental Medicine*, **2007**, 204, 1553-8	16.6	419
443	Synapsins as regulators of neurotransmitter release. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **1999**, 354, 269-79	5.8	409
442	Stimulation of beta-amyloid precursor protein trafficking by insulin reduces intraneuronal beta-amyloid and requires mitogen-activated protein kinase signaling. *Journal of Neuroscience*, **2001**, 21, 2561-70	6.6	405
441	Effects of chronic exposure to cocaine are regulated by the neuronal protein Cdk5. *Nature*, **2001**, 410, 376-80	50.4	404
440	Cyclic AMP-dependent protein kinase opens chloride channels in normal but not cystic fibrosis airway epithelium. *Nature*, **1988**, 331, 358-60	50.4	392
439	Phosphorylation of the nicotinic acetylcholine receptor regulates its rate of desensitization. *Nature*, **1986**, 321, 774-6	50.4	389
438	Synapsin I bundles F-actin in a phosphorylation-dependent manner. *Nature*, **1987**, 326, 704-7	50.4	389

437	Chaperones increase association of tau protein with microtubules. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 721-6	11.5	383
436	Spinophilin, a novel protein phosphatase 1 binding protein localized to dendritic spines. *Proceedings of the National Academy of Sciences of the United States of America*, **1997**, 94, 9956-61	11.5	375
435	DARPP-32: regulator of the efficacy of dopaminergic neurotransmission. *Science*, **1998**, 281, 838-42	33.3	373
434	Relative abundance of Alzheimer A beta amyloid peptide variants in Alzheimer disease and normal aging. *Proceedings of the National Academy of Sciences of the United States of America*, **1994**, 91, 8378-82	11.5	372
433	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	6.6	352
432	Neurotrophins stimulate phosphorylation of synapsin I by MAP kinase and regulate synapsin I-actin interactions. *Proceedings of the National Academy of Sciences of the United States of America*, **1996**, 93, 3679-83	11.5	351
431	Activation of NMDA receptors induces dephosphorylation of DARPP-32 in rat striatal slices. *Nature*, **1990**, 343, 369-72	50.4	348
430	Anatomical and physiological evidence for D1 and D2 dopamine receptor colocalization in neostriatal neurons. *Nature Neuroscience*, **2000**, 3, 226-30	25.5	335
429	Bidirectional regulation of DARPP-32 phosphorylation by dopamine. *Journal of Neuroscience*, **1997**, 17, 8147-55	6.6	334
428	Protein phosphorylation regulates secretion of Alzheimer beta/A4 amyloid precursor protein. *Proceedings of the National Academy of Sciences of the United States of America*, **1992**, 89, 3055-9	11.5	327
427	Endoplasmic reticulum and trans-Golgi network generate distinct populations of Alzheimer beta-amyloid peptides. *Proceedings of the National Academy of Sciences of the United States of America*, **1999**, 96, 742-7	11.5	318
426	Spinophilin regulates the formation and function of dendritic spines. *Proceedings of the National Academy of Sciences of the United States of America*, **2000**, 97, 9287-92	11.5	315
425	Stimulation of brain membrane protein phosphorylation by calcium and an endogenous heat-stable protein. *Nature*, **1978**, 271, 478-9	50.4	311
424	A dopamine- and cyclic AMP-regulated phosphoprotein enriched in dopamine-innervated brain regions. *Nature*, **1983**, 301, 69-71	50.4	308
423	Dopamine and cAMP-regulated phosphoprotein 32 kDa controls both striatal long-term depression and long-term potentiation, opposing forms of synaptic plasticity. *Journal of Neuroscience*, **2000**, 20, 8443-51	6.6	307
422	Beta-amyloid accumulation in APP mutant neurons reduces PSD-95 and GluR1 in synapses. *Neurobiology of Disease*, **2005**, 20, 187-98	7.5	304
421	Impairment of synaptic vesicle clustering and of synaptic transmission, and increased seizure propensity, in synapsin I-deficient mice. *Proceedings of the National Academy of Sciences of the United States of America*, **1995**, 92, 9235-9	11.5	304
420	A dopamine/D1 receptor/protein kinase A/dopamine- and cAMP-regulated phosphoprotein (Mr 32 kDa)/protein phosphatase-1 pathway regulates dephosphorylation of the NMDA receptor. *Journal of Neuroscience*, **1998**, 18, 10297-303	6.6	299

419	A synaptic vesicle protein with a novel cytoplasmic domain and four transmembrane regions. *Science*, **1987**, 238, 1142-4	33.3	296
418	Paullones are potent inhibitors of glycogen synthase kinase-3beta and cyclin-dependent kinase 5/p25. *FEBS Journal*, **2000**, 267, 5983-94		290
417	DARPP-32, a dopamine- and adenosine 3':5'-monophosphate-regulated phosphoprotein enriched in dopamine-innervated brain regions. I. Regional and cellular distribution in the rat brain. *Journal of Neuroscience*, **1984**, 4, 84-98	6.6	289
416	Diverse psychotomimetics act through a common signaling pathway. *Science*, **2003**, 302, 1412-5	33.3	276
415	Synapsin dispersion and reclustering during synaptic activity. *Nature Neuroscience*, **2001**, 4, 1187-93	25.5	275
414	Regulation by synapsin I and Ca(2+)-calmodulin-dependent protein kinase II of the transmitter release in squid giant synapse. *Journal of Physiology*, **1991**, 436, 257-82	3.9	271
413	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, 3399-404	11.5	269
412	Inhibition by dopamine of (Na(+)+K+)ATPase activity in neostriatal neurons through D1 and D2 dopamine receptor synergism. *Nature*, **1990**, 347, 386-8	50.4	267
411	Different presynaptic roles of synapsins at excitatory and inhibitory synapses. *Journal of Neuroscience*, **2004**, 24, 11368-80	6.6	265
410	Synaptic vesicle-associated Ca2+/calmodulin-dependent protein kinase II is a binding protein for synapsin I. *Nature*, **1992**, 359, 417-20	50.4	265
409	Distinct subclasses of medium spiny neurons differentially regulate striatal motor behaviors. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 14845-50	11.5	261
408	Protein phosphorylation inhibits production of Alzheimer amyloid beta/A4 peptide. *Proceedings of the National Academy of Sciences of the United States of America*, **1993**, 90, 9195-8	11.5	261
407	Multiple phosphorylation sites in protein I and their differential regulation by cyclic AMP and calcium. *Proceedings of the National Academy of Sciences of the United States of America*, **1979**, 76, 5402-6	11.5	261
406	Synaptic vesicle mobilization is regulated by distinct synapsin I phosphorylation pathways at different frequencies. *Neuron*, **2003**, 38, 69-78	13.9	260
405	Regulation of phosphorylation of the GluR1 AMPA receptor in the neostriatum by dopamine and psychostimulants in vivo. *Journal of Neuroscience*, **2000**, 20, 4480-8	6.6	259
404	Calcium/calmodulin-dependent protein kinase II increases glutamate and noradrenaline release from synaptosomes. *Nature*, **1990**, 343, 647-51	50.4	258
403	Microinjection of catalytic subunit of cyclic AMP-dependent protein kinase enhances calcium action potentials of bag cell neurons in cell culture. *Proceedings of the National Academy of Sciences of the United States of America*, **1980**, 77, 7487-91	11.5	256
402	Protein phosphatase 1 modulation of neostriatal AMPA channels: regulation by DARPP-32 and spinophilin. *Nature Neuroscience*, **1999**, 2, 13-7	25.5	252

401	Gamma-secretase activating protein is a therapeutic target for Alzheimer's disease. *Nature*, **2010**, 467, 95-8	50.4	250
400	Generation of Alzheimer beta-amyloid protein in the trans-Golgi network in the apparent absence of vesicle formation. *Proceedings of the National Academy of Sciences of the United States of America* , **1997**, 94, 3748-52	11.5	250
399	Control of cognition and adaptive behavior by the GLP/G9a epigenetic suppressor complex. *Neuron* , **2009**, 64, 678-91	13.9	247
398	Three-dimensional architecture of presynaptic terminal cytomatrix. *Journal of Neuroscience*, **2007**, 27, 6868-77	6.6	246
397	Cyclin-dependent kinase 5 governs learning and synaptic plasticity via control of NMDAR degradation. *Nature Neuroscience*, **2007**, 10, 880-886	25.5	245
396	Cell type-specific mRNA purification by translating ribosome affinity purification (TRAP). *Nature Protocols*, **2014**, 9, 1282-91	18.8	244
395	Phosphorylation of WAVE1 regulates actin polymerization and dendritic spine morphology. *Nature*, **2006**, 442, 814-7	50.4	243
394	Chloride conductance regulated by cyclic AMP-dependent protein kinase in cardiac myocytes. *Nature*, **1989**, 340, 718-21	50.4	238
393	Phorbol ester enhancement of neurotransmitter release from rat brain synaptosomes. *Journal of Neurochemistry*, **1987**, 48, 615-21	6	238
392	Functional modulation of the nicotinic acetylcholine receptor by tyrosine phosphorylation. *Nature*, **1988**, 336, 677-80	50.4	238
391	Brain histamine receptors as targets for antidepressant drugs. *Nature*, **1978**, 272, 329-33	50.4	237
390	Roles of heat-shock protein 90 in maintaining and facilitating the neurodegenerative phenotype in tauopathies. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 9511-6	11.5	226
389	Dopamine enhancement of NMDA currents in dissociated medium-sized striatal neurons: role of D1 receptors and DARPP-32. *Journal of Neurophysiology*, **2002**, 88, 3010-20	3.2	225
388	Impairment of axonal development and of synaptogenesis in hippocampal neurons of synapsin I-deficient mice. *Proceedings of the National Academy of Sciences of the United States of America*, **1995**, 92, 9230-4	11.5	223
387	Antidepressant effects of selective serotonin reuptake inhibitors (SSRIs) are attenuated by antiinflammatory drugs in mice and humans. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 9262-7	11.5	216
386	DARPP-32, a dopamine- and adenosine 3':5'-monophosphate-regulated phosphoprotein: regional, tissue, and phylogenetic distribution. *Journal of Neuroscience*, **1986**, 6, 1469-81	6.6	216
385	Distinct roles of PDE4 and PDE10A in the regulation of cAMP/PKA signaling in the striatum. *Journal of Neuroscience*, **2008**, 28, 10460-71	6.6	213
384	Cocaine regulates MEF2 to control synaptic and behavioral plasticity. *Neuron*, **2008**, 59, 621-33	13.9	209

383	Protein kinase A activates protein phosphatase 2A by phosphorylation of the B56delta subunit. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 2979-84	11.5	207
382	Protein phosphorylation and neuronal function. *Journal of Neurochemistry*, **1985**, 45, 11-23	6	207
381	Histamine-sensitive adenylate cyclase in mammalian brain. *Nature*, **1976**, 260, 163-5	50.4	207
380	MicroRNA-128 governs neuronal excitability and motor behavior in mice. *Science*, **2013**, 342, 1254-8	33.3	203
379	Cocaine-induced proliferation of dendritic spines in nucleus accumbens is dependent on the activity of cyclin-dependent kinase-5. *Neuroscience*, **2003**, 116, 19-22	3.9	201
378	Inhibition of mTOR signaling in Parkinson's disease prevents L-DOPA-induced dyskinesia. *Science Signaling*, **2009**, 2, ra36	8.8	200
377	Involvement of striatal and extrastriatal DARPP-32 in biochemical and behavioral effects of fluoxetine (Prozac). *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 3182-7	11.5	197
376	Amplification of dopaminergic signaling by a positive feedback loop. *Proceedings of the National Academy of Sciences of the United States of America*, **2000**, 97, 12840-5	11.5	193
375	Calcium/phospholipid-dependent protein kinase (protein kinase C) phosphorylates and activates tyrosine hydroxylase. *Proceedings of the National Academy of Sciences of the United States of America*, **1984**, 81, 7713-7	11.5	191
374	A third member of the synapsin gene family. *Proceedings of the National Academy of Sciences of the United States of America*, **1998**, 95, 4667-72	11.5	190
373	A phosphatase cascade by which rewarding stimuli control nucleosomal response. *Nature*, **2008**, 453, 879-84	50.4	189
372	Phosphorylation of Alzheimer disease amyloid precursor peptide by protein kinase C and Ca2+/calmodulin-dependent protein kinase II. *Proceedings of the National Academy of Sciences of the United States of America*, **1988**, 85, 6218-21	11.5	187
371	D(2) dopamine receptors induce mitogen-activated protein kinase and cAMP response element-binding protein phosphorylation in neurons. *Proceedings of the National Academy of Sciences of the United States of America*, **1999**, 96, 11607-12	11.5	185
370	Cell type-specific regulation of DARPP-32 phosphorylation by psychostimulant and antipsychotic drugs. *Nature Neuroscience*, **2008**, 11, 932-9	25.5	184
369	Neuron-specific phosphorylation of Alzheimer's beta-amyloid precursor protein by cyclin-dependent kinase 5. *Journal of Neurochemistry*, **2000**, 75, 1085-91	6	184
368	An endogenous substrate for cGMP-dependent protein kinase in mammalian cerebellum. *Nature*, **1978**, 273, 61-2	50.4	182
367	Cell type-specific plasticity of striatal projection neurons in parkinsonism and L-DOPA-induced dyskinesia. *Nature Communications*, **2014**, 5, 5316	17.4	181
366	DARPP-32, a dopamine- and adenosine 3':5'-monophosphate-regulated phosphoprotein enriched in dopamine-innervated brain regions. II. Purification and characterization of the phosphoprotein from bovine caudate nucleus. *Journal of Neuroscience*, **1984**, 4, 99-110	6.6	178

365	A small-molecule enhancer of autophagy decreases levels of Abeta and APP-CTF via Atg5-dependent autophagy pathway. *FASEB Journal*, **2011**, 25, 1934-42	0.9	171
364	Colocalization of synapsin and actin during synaptic vesicle recycling. *Journal of Cell Biology*, **2003**, 161, 737-47	7.3	170
363	Role of protein phosphorylation in neuronal signal transduction. *FASEB Journal*, **1989**, 3, 1583-92	0.9	170
362	Induction of formation of presynaptic terminals in neuroblastoma cells by synapsin IIb. *Nature*, **1991**, 349, 697-700	50.4	167
361	Regulation of the phosphorylation of the dopamine- and cAMP-regulated phosphoprotein of 32 kDa in vivo by dopamine D1, dopamine D2, and adenosine A2A receptors. *Proceedings of the National Academy of Sciences of the United States of America*, **2000**, 97, 1856-60	11.5	166
360	Purification and characterization of Ca2+/calmodulin-dependent protein kinase I from bovine brain. *Journal of Biological Chemistry*, **1987**, 262, 7273-81	5.4	166
359	Calcium-dependent protein phosphorylation during secretion by exocytosis in the mast cell. *Nature*, **1978**, 275, 329-31	50.4	160
358	Gleevec inhibits beta-amyloid production but not Notch cleavage. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 12444-9	11.5	159
357	Regional distribution of calcium- and cyclic adenosine 3':5'-monophosphate-regulated protein phosphorylation systems in mammalian brain. II. Soluble systems. *Journal of Neuroscience*, **1983**, 3, 302-11	6.6	157
356	Adaptor complex AP2/PICALM, through interaction with LC3, targets Alzheimer's APP-CTF for terminal degradation via autophagy. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 17071-6	11.5	156
355	Calcium regulates processing of the Alzheimer amyloid protein precursor in a protein kinase C-independent manner. *Proceedings of the National Academy of Sciences of the United States of America*, **1994**, 91, 4489-93	11.5	156
354	Mechanisms of locomotor sensitization to drugs of abuse in a two-injection protocol. *Neuropsychopharmacology*, **2010**, 35, 401-15	8.7	155
353	Abeta-mediated NMDA receptor endocytosis in Alzheimer's disease involves ubiquitination of the tyrosine phosphatase STEP61. *Journal of Neuroscience*, **2010**, 30, 5948-57	6.6	154
352	Quantitative immunocytochemistry of DARPP-32-expressing neurons in the rat caudatoputamen. *Brain Research*, **1998**, 808, 8-12	3.7	154
351	Mammalian brain phosphoproteins as substrates for calcineurin.. *Journal of Biological Chemistry*, **1984**, 259, 8080-8083	5.4	154
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349	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, 4159-64	11.5	150
348	L-DOPA activates ERK signaling and phosphorylates histone H3 in the striatonigral medium spiny neurons of hemiparkinsonian mice. *Journal of Neurochemistry*, **2009**, 108, 621-33	6	148

347	Involvement of DARPP-32 phosphorylation in the stimulant action of caffeine. *Nature*, **2002**, 418, 774-8	50.4	147
346	FGF acts as a co-transmitter through adenosine A(2A) receptor to regulate synaptic plasticity. *Nature Neuroscience*, **2008**, 11, 1402-9	25.5	146
345	Phosphorylation of connexin 32, a hepatocyte gap-junction protein, by cAMP-dependent protein kinase, protein kinase C and Ca2+/calmodulin-dependent protein kinase II. *FEBS Journal*, **1990**, 192, 263-73		145
344	Mammalian brain phosphoproteins as substrates for calcineurin. *Journal of Biological Chemistry*, **1984**, 259, 8080-3	5.4	145
343	Advances in the pharmacological treatment of Parkinson's disease: targeting neurotransmitter systems. *Trends in Neurosciences*, **2013**, 36, 543-54	13.3	144
342	Differential expression of protein phosphatase 1 isoforms in mammalian brain. *Journal of Neuroscience*, **1995**, 15, 3375-89	6.6	142
341	Localization of cyclic GMP-dependent protein kinase and substrate in mammalian cerebellum. *Proceedings of the National Academy of Sciences of the United States of America*, **1980**, 77, 5537-41	11.5	141
340	Biochemical and behavioral evidence for antidepressant-like effects of 5-HT6 receptor stimulation. *Journal of Neuroscience*, **2007**, 27, 4201-9	6.6	139
339	Genetic reduction of striatal-enriched tyrosine phosphatase (STEP) reverses cognitive and cellular deficits in an Alzheimer's disease mouse model. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 19014-9	11.5	138
338	The DARPP-32/protein phosphatase-1 cascade: a model for signal integration. *Brain Research Reviews*, **1998**, 26, 274-84		138
337	Evidence for decreased DARPP-32 in the prefrontal cortex of patients with schizophrenia. *Archives of General Psychiatry*, **2002**, 59, 705-12		138
336	Two sites of action for synapsin domain E in regulating neurotransmitter release. *Nature Neuroscience*, **1998**, 1, 29-35	25.5	136
335	Phosphorylation of DARPP-32 and protein phosphatase inhibitor-1 in rat choroid plexus: regulation by factors other than dopamine. *Journal of Neuroscience*, **1992**, 12, 3071-83	6.6	133
334	M4 Muscarinic Receptor Signaling Ameliorates Striatal Plasticity Deficits in Models of L-DOPA-Induced Dyskinesia. *Neuron*, **2015**, 88, 762-73	13.9	129
333	Impaired TrkB receptor signaling underlies corticostriatal dysfunction in Huntington's disease. *Neuron*, **2014**, 83, 178-88	13.9	128
332	Distinct levels of dopamine denervation differentially alter striatal synaptic plasticity and NMDA receptor subunit composition. *Journal of Neuroscience*, **2010**, 30, 14182-93	6.6	128
331	DARPP-32 mediates the actions of multiple drugs of abuse. *AAPS Journal*, **2005**, 7, E353-60	3.7	128
330	Role of p11 in cellular and behavioral effects of 5-HT4 receptor stimulation. *Journal of Neuroscience* , **2009**, 29, 1937-46	6.6	127

329	Spinophilin regulates Ca2+ signalling by binding the N-terminal domain of RGS2 and the third intracellular loop of G-protein-coupled receptors. *Nature Cell Biology*, **2005**, 7, 405-11	23.4	127
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326	The Rho-specific GEF Lfc interacts with neurabin and spinophilin to regulate dendritic spine morphology. *Neuron*, **2005**, 47, 85-100	13.9	125
325	Spinophilin blocks arrestin actions in vitro and in vivo at G protein-coupled receptors. *Science*, **2004**, 304, 1940-4	33.3	125
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323	Metabotropic mGlu5 receptors regulate adenosine A2A receptor signaling. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 1322-7	11.5	124
322	Phosphorylation of DARPP-32, a dopamine- and cAMP-regulated phosphoprotein, by casein kinase II. *Journal of Biological Chemistry*, **1989**, 264, 21748-59	5.4	124
321	A protein kinase A-dependent molecular switch in synapsins regulates neurite outgrowth. *Nature Neuroscience*, **2002**, 5, 431-7	25.5	123
320	Regulation of neurotransmitter release by synapsin III. *Journal of Neuroscience*, **2002**, 22, 4372-80	6.6	122
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318	Three-Dimensional Study of Alzheimer's Disease Hallmarks Using the iDISCO Clearing Method. *Cell Reports*, **2016**, 16, 1138-1152	10.6	117
317	cGMP-dependent protein kinase in dorsal root ganglion: relationship with nitric oxide synthase and nociceptive neurons. *Journal of Neuroscience*, **1996**, 16, 3130-8	6.6	117
316	Regulation of DARPP-32 dephosphorylation at PKA- and Cdk5-sites by NMDA and AMPA receptors: distinct roles of calcineurin and protein phosphatase-2A. *Journal of Neurochemistry*, **2002**, 81, 832-41	6	116
315	Argonaute 2 in dopamine 2 receptor-expressing neurons regulates cocaine addiction. *Journal of Experimental Medicine*, **2010**, 207, 1843-51	16.6	115
314	Presenilin-1 regulates intracellular trafficking and cell surface delivery of beta-amyloid precursor protein. *Journal of Biological Chemistry*, **2003**, 278, 3446-54	5.4	115
313	p11 and its role in depression and therapeutic responses to antidepressants. *Nature Reviews Neuroscience*, **2013**, 14, 673-80	13.5	113
312	DARPP-32, a dopamine- and adenosine 3□5□-monophosphate-regulated neuronal phosphoprotein. II. Comparison of the kinetics of phosphorylation of DARPP-32 and phosphatase inhibitor 1.. *Journal of Biological Chemistry*, **1984**, 259, 14491-14497	5.4	113

311	Regulation of phosphorylation of the GluR1 AMPA receptor by dopamine D2 receptors. *Journal of Neurochemistry*, **2006**, 96, 482-8	6	111
310	Phosphodiesterase 1B knock-out mice exhibit exaggerated locomotor hyperactivity and DARPP-32 phosphorylation in response to dopamine agonists and display impaired spatial learning. *Journal of Neuroscience*, **2002**, 22, 5188-97	6.6	111
309	The neurobiology of dopamine signaling. *Bioscience Reports*, **2001**, 21, 247-69	4.1	111
308	Synapsin controls both reserve and releasable synaptic vesicle pools during neuronal activity and short-term plasticity in Aplysia. *Journal of Neuroscience*, **2001**, 21, 4195-206	6.6	111
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304	Structural domains involved in the regulation of transmitter release by synapsins. *Journal of Neuroscience*, **2005**, 25, 2658-69	6.6	109
303	Distribution of DARPP-32 in the basal ganglia: an electron microscopic study. *Journal of Neurocytology*, **1990**, 19, 39-52		109
302	Localization in mammalian brain of G-substrate, a specific substrate for guanosine 3',5'-cyclic monophosphate-dependent protein kinase. *Journal of Neuroscience*, **1984**, 4, 2843-9	6.6	109
301	Cholinergic interneurons in the nucleus accumbens regulate depression-like behavior. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 11360-5	11.5	108
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