Wen-Cheng Xiong

List of Publications by Year in Descending Order

158 papers	8,450 citations	53 h-index	89 g-index
169 ext. papers	9,798 ext. citations	8.8 avg, IF	5.92 L-index

#	Paper	IF	Citations
158	Microglial VPS35 deficiency impairs A phagocytosis and A induced disease-associated microglia, and enhances A associated pathology.. *Journal of Neuroinflammation*, **2022**, 19, 61	10.1	2
157	Parkinson's in the bone. *Cell and Bioscience*, **2021**, 11, 190	9.8	0
156	Osteoblastic Swedish mutant APP expedites brain deficits by inducing endoplasmic reticulum stress-driven senescence. *Communications Biology*, **2021**, 4, 1326	6.7	0
155	Excessive mitophagy for anxiety. *Neuron*, **2021**, 109, 3715-3716	13.9	
154	Hippocampal astrocytic neogenin regulating glutamate uptake, a critical pathway for preventing epileptic response. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	3
153	Neddylation stabilizes Nav1.1 to maintain interneuron excitability and prevent seizures in murine epilepsy models. *Journal of Clinical Investigation*, **2021**, 131,	15.9	2
152	Hepcidin contributes to Swedish mutant APP-induced osteoclastogenesis and trabecular bone loss. *Bone Research*, **2021**, 9, 31	13.3	3
151	Membraneless condensates by Rapsn phase separation as a platform for neuromuscular junction formation. *Neuron*, **2021**, 109, 1963-1978.e5	13.9	3
150	Linking cortical astrocytic neogenin deficiency to the development of Moyamoya disease-like vasculopathy. *Neurobiology of Disease*, **2021**, 154, 105339	7.5	3
149	Critical Roles of Embryonic Born Dorsal Dentate Granule Neurons for Activity-Dependent Increases in BDNF, Adult Hippocampal Neurogenesis, and Antianxiety-like Behaviors. *Biological Psychiatry*, **2021**, 89, 600-614	7.9	12
148	In trans neuregulin3-Caspr3 interaction controls DA axonal bassoon cluster development. *Current Biology*, **2021**, 31, 3330-3342.e7	6.3	1
147	Expression of Low Level of VPS35-mCherry Fusion Protein Diminishes Vps35 Depletion Induced Neuron Terminal Differentiation Deficits and Neurodegenerative Pathology, and Prevents Neonatal Death. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	1
146	Human antigen R-regulated mRNA metabolism promotes the cell motility of migrating mouse neurons. *Development (Cambridge)*, **2020**, 147,	6.6	5
145	Linking skeletal muscle aging with osteoporosis by lamin A/C deficiency. *PLoS Biology*, **2020**, 18, e3000731	9.7	7
144	A Role of Low-Density Lipoprotein Receptor-Related Protein 4 (LRP4) in Astrocytic A Clearance. *Journal of Neuroscience*, **2020**, 40, 5347-5361	6.6	11
143	Rapsyn as a signaling and scaffolding molecule in neuromuscular junction formation and maintenance. *Neuroscience Letters*, **2020**, 731, 135013	3.3	5
142	Astrocytic neogenin/netrin-1 pathway promotes blood vessel homeostasis and function in mouse cortex. *Journal of Clinical Investigation*, **2020**, 130, 6490-6509	15.9	9

141	Coupling of terminal differentiation deficit with neurodegenerative pathology in Vps35-deficient pyramidal neurons. *Cell Death and Differentiation*, **2020**, 27, 2099-2116	12.7	20
140	CUL3 Deficiency Causes Social Deficits and Anxiety-like Behaviors by Impairing Excitation-Inhibition Balance through the Promotion of Cap-Dependent Translation. *Neuron*, **2020**, 105, 475-490.e6	13.9	29
139	Neddylation is critical to cortical development by regulating Wnt/Ecatenin signaling. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 26448-26459	11.5	8
138	Myosin X Interaction with KIF13B, a Crucial Pathway for Netrin-1-Induced Axonal Development. *Journal of Neuroscience*, **2020**, 40, 9169-9185	6.6	2
137	A Role of Lamin A/C in Preventing Neuromuscular Junction Decline in Mice. *Journal of Neuroscience*, **2020**, 40, 7203-7215	6.6	5
136	Neogenin-loss in neural crest cells results in persistent hyperplastic primary vitreous formation. *Journal of Molecular Cell Biology*, **2020**, 12, 17-31	6.3	5
135	Ependymal Vps35 Promotes Ependymal Cell Differentiation and Survival, Suppresses Microglial Activation, and Prevents Neonatal Hydrocephalus. *Journal of Neuroscience*, **2020**, 40, 3862-3879	6.6	8
134	Linking skeletal muscle aging with osteoporosis by lamin A/C deficiency **2020**, 18, e3000731		
133	Linking skeletal muscle aging with osteoporosis by lamin A/C deficiency **2020**, 18, e3000731		
132	Linking skeletal muscle aging with osteoporosis by lamin A/C deficiency **2020**, 18, e3000731		
131	Linking skeletal muscle aging with osteoporosis by lamin A/C deficiency **2020**, 18, e3000731		
130	Linking skeletal muscle aging with osteoporosis by lamin A/C deficiency **2020**, 18, e3000731		
129	Linking skeletal muscle aging with osteoporosis by lamin A/C deficiency **2020**, 18, e3000731		
128	pHluorin-BACE1-mCherry Acts as a Reporter for the Intracellular Distribution of Active BACE1 In Vitro and In Vivo. *Cells*, **2019**, 8,	7.9	3
127	Lrp4 expression by adipocytes and osteoblasts differentially impacts sclerostinЂs endocrine effects on body composition and glucose metabolism. *Journal of Biological Chemistry*, **2019**, 294, 6899-6911	5.4	15
126	Autism candidate gene DIP2A regulates spine morphogenesis via acetylation of cortactin. *PLoS Biology*, **2019**, 17, e3000461	9.7	18
125	Agrin-Lrp4-Ror2 signaling regulates adult hippocampal neurogenesis in mice. *ELife*, **2019**, 8,	8.9	16
124	A mechanism in agrin signaling revealed by a prevalent Rapsyn mutation in congenital myasthenic syndrome. *ELife*, **2019**, 8,	8.9	13

123	Microglial VPS35 deficiency regulates microglial polarization and decreases ischemic stroke-induced damage in the cortex. *Journal of Neuroinflammation*, **2019**, 16, 235	10.1	7
122	Lack of Myosin X Enhances Osteoclastogenesis and Increases Cell Surface Unc5b in Osteoclast-Lineage Cells. *Journal of Bone and Mineral Research*, **2019**, 34, 939-954	6.3	8
121	Controlling of glutamate release by neuregulin3 via inhibiting the assembly of the SNARE complex. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 2508-2513	11.5	20
120	Dynamic ErbB4 Activity in Hippocampal-Prefrontal Synchrony and Top-Down Attention in Rodents. *Neuron*, **2018**, 98, 380-393.e4	13.9	28
119	Agrin and LRP4 antibodies as new biomarkers of myasthenia gravis. *Annals of the New York Academy of Sciences*, **2018**, 1413, 126-135	6.5	23
118	Neogenin, a regulator of adult hippocampal neurogenesis, prevents depressive-like behavior. *Cell Death and Disease*, **2018**, 9, 8	9.8	27
117	Induction of Anti-agrin Antibodies Causes Myasthenia Gravis in Mice. *Neuroscience*, **2018**, 373, 113-121	3.9	21
116	Regulation of Synapse Development by Deletion from ErbB4-Positive Interneurons. *Journal of Neuroscience*, **2018**, 38, 2533-2550	6.6	14
115	DCC-Mediated Dab1 Phosphorylation Participates in the Multipolar-to-Bipolar Transition of Migrating Neurons. *Cell Reports*, **2018**, 22, 3598-3611	10.6	19
114	Motoneuron Wnts regulate neuromuscular junction development. *ELife*, **2018**, 7,	8.9	23
113	Neuromuscular Junction Formation, Aging, and Disorders. *Annual Review of Physiology*, **2018**, 80, 159-188	23.1	140
112	Astrocytic Lrp4 (Low-Density Lipoprotein Receptor-Related Protein 4) Contributes to Ischemia-Induced Brain Injury by Regulating ATP Release and Adenosine-AR (Adenosine A2A Receptor) Signaling. *Stroke*, **2018**, 49, 165-174	6.7	12
111	Genetic recovery of ErbB4 in adulthood partially restores brain functions in null mice. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 13105-13110	11.5	20
110	APP promotes osteoblast survival and bone formation by regulating mitochondrial function and preventing oxidative stress. *Cell Death and Disease*, **2018**, 9, 1077	9.8	15
109	Neogenin in Amygdala for Neuronal Activity and Information Processing. *Journal of Neuroscience*, **2018**, 38, 9600-9613	6.6	11
108	Sarcoglycan Alpha Mitigates Neuromuscular Junction Decline in Aged Mice by Stabilizing LRP4. *Journal of Neuroscience*, **2018**, 38, 8860-8873	6.6	25
107	Increased Microglial Activity, Impaired Adult Hippocampal Neurogenesis, and Depressive-like Behavior in Microglial VPS35-Depleted Mice. *Journal of Neuroscience*, **2018**, 38, 5949-5968	6.6	39
106	Transmembrane protein 108 is required for glutamatergic transmission in dentate gyrus. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 1177-1182	11.5	14

105	Muscle Yap Is a Regulator of Neuromuscular Junction Formation and Regeneration. *Journal of Neuroscience*, **2017**, 37, 3465-3477	6.6	47
104	Osteoblastic Lrp4 promotes osteoclastogenesis by regulating ATP release and adenosine-AR signaling. *Journal of Cell Biology*, **2017**, 216, 761-778	7.3	15
103	Agrin to YAP in Cancer and Neuromuscular Junctions. *Trends in Cancer*, **2017**, 3, 247-248	12.5	12
102	Regulation of neural stem cell proliferation and differentiation by Kinesin family member 2a. *PLoS ONE*, **2017**, 12, e0179047	3.7	9
101	Netrin-1 promotes glioma growth by activating NF-B via UNC5A. *Scientific Reports*, **2017**, 7, 5454	4.9	12
100	Vps35-deficiency impairs SLC4A11 trafficking and promotes corneal dystrophy. *PLoS ONE*, **2017**, 12, e0184906	3.7	1
99	Schwann Cells in Neuromuscular Junction Formation and Maintenance. *Journal of Neuroscience*, **2016**, 36, 9770-81	6.6	59
98	Enzymatic Activity of the Scaffold Protein Rapsyn for Synapse Formation. *Neuron*, **2016**, 92, 1007-1019	13.9	42
97	Lrp4 in astrocytes modulates glutamatergic transmission. *Nature Neuroscience*, **2016**, 19, 1010-8	25.5	57
96	YAP Is a Critical Inducer of SOCS3, Preventing Reactive Astrogliosis. *Cerebral Cortex*, **2016**, 26, 2299-2310	5.1	54
95	Analysis of Expression Pattern and Genetic Deletion of Netrin5 in the Developing Mouse. *Frontiers in Molecular Neuroscience*, **2016**, 9, 3	6.1	25
94	YAP stabilizes SMAD1 and promotes BMP2-induced neocortical astrocytic differentiation. *Development (Cambridge)*, **2016**, 143, 2398-409	6.6	57
93	Neogenin-YAP signaling in neocortical astrocytic differentiation. *Neurogenesis (Austin, Tex)*, **2016**, 3, e1248735		6
92	Neogenin Promotes BMP2 Activation of YAP and Smad1 and Enhances Astrocytic Differentiation in Developing Mouse Neocortex. *Journal of Neuroscience*, **2016**, 36, 5833-49	6.6	30
91	Retromer in Osteoblasts Interacts With Protein Phosphatase 1 Regulator Subunit 14C, Terminates Parathyroid Hormone Ts Signaling, and Promotes Its Catabolic Response. *EBioMedicine*, **2016**, 9, 45-60	8.8	14
90	VPS35 in Dopamine Neurons Is Required for Endosome-to-Golgi Retrieval of Lamp2a, a Receptor of Chaperone-Mediated Autophagy That Is Critical for Synuclein Degradation and Prevention of Pathogenesis of Parkinson Ts Disease. *Journal of Neuroscience*, **2015**, 35, 10613-28	6.6	154
89	LRP4 in neuromuscular junction and bone development and diseases. *Bone*, **2015**, 80, 101-108	4.7	34
88	VPS35 Deficiency or Mutation Causes Dopaminergic Neuronal Loss by Impairing Mitochondrial Fusion and Function. *Cell Reports*, **2015**, 12, 1631-43	10.6	170

87	Ephrin-B3 recruits PSD-95 to synapses. *Nature Neuroscience*, **2015**, 18, 1535-7	25.5	2
86	VPS35-deficiency results in an impaired AMPA receptor trafficking and decreased dendritic spine maturation. *Molecular Brain*, **2015**, 8, 70	4.5	54
85	The Inhibition of Heat Shock Protein 90 Facilitates the Degradation of Poly-Alanine Expanded Poly (A) Binding Protein Nuclear 1 via the Carboxyl Terminus of Heat Shock Protein 70-Interacting Protein. *PLoS ONE*, **2015**, 10, e0138936	3.7	5
84	Iron Chelation Inhibits Osteoclastic Differentiation In Vitro and in Tg2576 Mouse Model of Alzheimer□s Disease. *PLoS ONE*, **2015**, 10, e0139395	3.7	13
83	Lrp4 in osteoblasts suppresses bone formation and promotes osteoclastogenesis and bone resorption. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 3487-92	11.5	59
82	ERBB3-mediated regulation of Bergmann glia proliferation in cerebellar lamination. *Development (Cambridge)*, **2015**, 142, 522-32	6.6	15
81	Slit2 as a □catenin/Ctnnb1-dependent retrograde signal for presynaptic differentiation. *ELife*, **2015**, 4,	8.9	38
80	Role of Erbin in ErbB2-dependent breast tumor growth. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, E4429-38	11.5	31
79	Maintenance of GABAergic activity by neuregulin 1-ErbB4 in amygdala for fear memory. *Neuron*, **2014**, 84, 835-46	13.9	65
78	LRP4 is critical for neuromuscular junction maintenance. *Journal of Neuroscience*, **2014**, 34, 13892-905	6.6	92
77	Genetic labeling reveals novel cellular targets of schizophrenia susceptibility gene: distribution of GABA and non-GABA ErbB4-positive cells in adult mouse brain. *Journal of Neuroscience*, **2014**, 34, 13549-66	6.6	64
76	Role of glucocorticoid-induced leucine zipper (GILZ) in bone acquisition. *Journal of Biological Chemistry*, **2014**, 289, 19373-82	5.4	23
75	Crosstalk between Agrin and Wnt signaling pathways in development of vertebrate neuromuscular junction. *Developmental Neurobiology*, **2014**, 74, 828-38	3.2	53
74	Vps35 haploinsufficiency results in degenerative-like deficit in mouse retinal ganglion neurons and impairment of optic nerve injury-induced gliosis. *Molecular Brain*, **2014**, 7, 10	4.5	18
73	Autoantibodies to agrin in myasthenia gravis patients. *PLoS ONE*, **2014**, 9, e91816	3.7	96
72	The neogenin/DCC homolog UNC-40 promotes BMP signaling via the RGM protein DRAG-1 in C. elegans. *Development (Cambridge)*, **2013**, 140, 4070-80	6.6	24
71	Culture of dissociated hippocampal neurons. *Methods in Molecular Biology*, **2013**, 1018, 39-47	1.4	3
70	Reversal of behavioral deficits and synaptic dysfunction in mice overexpressing neuregulin 1. *Neuron*, **2013**, 78, 644-57	13.9	95

69	Erbin interacts with TARP 2 for surface expression of AMPA receptors in cortical interneurons. *Nature Neuroscience*, **2013**, 16, 290-9	25.5	36
68	Vps35 loss promotes hyperresorptive osteoclastogenesis and osteoporosis via sustained RANKL signaling. *Journal of Cell Biology*, **2013**, 200, 821-37	7.3	32
67	Antibodies against low-density lipoprotein receptor-related protein 4 induce myasthenia gravis. *Journal of Clinical Investigation*, **2013**, 123, 5190-202	15.9	114
66	Swedish mutant APP suppresses osteoblast differentiation and causes osteoporotic deficit, which are ameliorated by N-acetyl-L-cysteine. *Journal of Bone and Mineral Research*, **2013**, 28, 2122-35	6.3	35
65	Regulation of spine formation by ErbB4 in PV-positive interneurons. *Journal of Neuroscience*, **2013**, 33, 19295-303	6.6	50
64	Erbin in cortical inhibition. *Future Neurology*, **2013**, 8, 369-372	1.5	
63	General introduction to in situ hybridization protocol using nonradioactively labeled probes to detect mRNAs on tissue sections. *Methods in Molecular Biology*, **2013**, 1018, 165-74	1.4	5
62	Wnt proteins regulate acetylcholine receptor clustering in muscle cells. *Molecular Brain*, **2012**, 5, 7	4.5	70
61	Erbin is required for myelination in regenerated axons after injury. *Journal of Neuroscience*, **2012**, 32, 15169-80	6.6	34
60	Synaptic dysfunction in schizophrenia. *Advances in Experimental Medicine and Biology*, **2012**, 970, 493-516	3.6	52
59	Differential regulation of myosin X movements by its cargos, DCC and neogenin. *Journal of Cell Science*, **2012**, 125, 751-62	5.3	14
58	Catenin gain of function in muscles impairs neuromuscular junction formation. *Development (Cambridge)*, **2012**, 139, 2392-404	6.6	37
57	Autoantibodies to lipoprotein-related protein 4 in patients with double-seronegative myasthenia gravis. *Archives of Neurology*, **2012**, 69, 445-51		236
56	VPS35 regulates developing mouse hippocampal neuronal morphogenesis by promoting retrograde trafficking of BACE1. *Biology Open*, **2012**, 1, 1248-57	2.2	54
55	MuSK: A Kinase Critical for the Formation and Maintenance of the Neuromuscular Junction. *Neuromethods*, **2012**, 203-217	0.4	2
54	Modeling Schizophrenia in Neuregulin 1 and ErbB4 Mutant Mice. *Neuromethods*, **2011**, 261-277	0.4	
53	APPswe/A regulation of osteoclast activation and RAGE expression in an age-dependent manner. *Journal of Bone and Mineral Research*, **2011**, 26, 1084-98	6.3	50
52	RAGE and its ligands in bone metabolism. *Frontiers in Bioscience - Scholar*, **2011**, 3, 768-76	2.4	24

51	Neuregulin 1 promotes excitatory synapse development and function in GABAergic interneurons. *Journal of Neuroscience*, **2011**, 31, 15-25	6.6	162
50	Specific regulation of NRG1 isoform expression by neuronal activity. *Journal of Neuroscience*, **2011**, 31, 8491-501	6.6	111
49	VPS35 haploinsufficiency increases Alzheimer's disease neuropathology. *Journal of Cell Biology*, **2011**, 195, 765-79	7.3	185
48	Receptor for advanced glycation end products (RAGE) prevents endothelial cell membrane resealing and regulates F-actin remodeling in a beta-catenin-dependent manner. *Journal of Biological Chemistry*, **2011**, 286, 35061-70	5.4	28
47	A novel cellular defect in diabetes: membrane repair failure. *Diabetes*, **2011**, 60, 3034-43	0.9	47
46	VPS35 haploinsufficiency increases Alzheimer's disease neuropathology. *Journal of Experimental Medicine*, **2011**, 208, i35-i35	16.6	
45	FAK interaction with MBD2: A link from cell adhesion to nuclear chromatin remodeling?. *Cell Adhesion and Migration*, **2010**, 4, 77-80	3.2	18
44	PYK2 interacts with MyD88 and regulates MyD88-mediated NF-kappaB activation in macrophages. *Journal of Leukocyte Biology*, **2010**, 87, 415-23	6.5	25
43	Neuregulin 1 regulates pyramidal neuron activity via ErbB4 in parvalbumin-positive interneurons. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 1211-6	11.5	226
42	ErbB4 in parvalbumin-positive interneurons is critical for neuregulin 1 regulation of long-term potentiation. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 21818-23	11.5	179
41	Neogenin regulation of BMP-induced canonical Smad signaling and endochondral bone formation. *Developmental Cell*, **2010**, 19, 90-102	10.2	99
40	Neogenin inhibits HJV secretion and regulates BMP-induced hepcidin expression and iron homeostasis. *Blood*, **2010**, 115, 3136-45	2.2	109
39	Loss-of-function mutations in HPSE2 cause the autosomal recessive urofacial syndrome. *American Journal of Human Genetics*, **2010**, 86, 957-62	11	63
38	Erbin regulates NRG1 signaling and myelination. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 9477-82	11.5	63
37	Regulation of heterochromatin remodelling and myogenin expression during muscle differentiation by FAK interaction with MBD2. *EMBO Journal*, **2009**, 28, 2568-82	13	78
36	Neuregulin 1 in neural development, synaptic plasticity and schizophrenia. *Nature Reviews Neuroscience*, **2008**, 9, 437-52	13.5	770
35	Netrin-1 mediates neuronal survival through PIKE-L interaction with the dependence receptor UNC5B. *Nature Cell Biology*, **2008**, 10, 698-706	23.4	83
34	Tyrosine phosphorylation of netrin receptors in netrin-1 signaling. *NeuroSignals*, **2008**, 16, 235-45	1.9	25

33	The Ig1/2 domain of MuSK binds to muscle surface and is involved in acetylcholine receptor clustering. *NeuroSignals*, **2008**, 16, 246-53	1.9	7
32	Retrograde regulation of motoneuron differentiation by muscle beta-catenin. *Nature Neuroscience*, **2008**, 11, 262-8	25.5	103
31	Formation of Kv2.1-FAK complex as a mechanism of FAK activation, cell polarization and enhanced motility. *Journal of Cellular Physiology*, **2008**, 217, 544-57	7	37
30	HMGB1 regulates RANKL-induced osteoclastogenesis in a manner dependent on RAGE. *Journal of Bone and Mineral Research*, **2008**, 23, 1084-96	6.3	108
29	Myosin X regulates netrin receptors and functions in axonal path-finding. *Nature Cell Biology*, **2007**, 9, 184-92	23.4	117
28	Beta-catenin regulates acetylcholine receptor clustering in muscle cells through interaction with rapsyn. *Journal of Neuroscience*, **2007**, 27, 3968-73	6.6	72
27	Neuregulin-1 signaling in schizophrenia. *Future Neurology*, **2007**, 2, 477-480	1.5	
26	Neuregulin-1 enhances depolarization-induced GABA release. *Neuron*, **2007**, 54, 599-610	13.9	243
25	Stimulated ErbB4 internalization is necessary for neuregulin signaling in neurons. *Biochemical and Biophysical Research Communications*, **2007**, 354, 505-10	3.4	36
24	NETRIN-1 SIGNALING AND GnRH NEURONAL MIGRATION. *Biology of Reproduction*, **2007**, 77, 134-134	3.9	
23	Regulation of osteoclast function and bone mass by RAGE. *Journal of Experimental Medicine*, **2006**, 203, 1067-80	16.6	128
22	DCC-dependent phospholipase C signaling in netrin-1-induced neurite elongation. *Journal of Biological Chemistry*, **2006**, 281, 2605-11	5.4	47
21	Mitochondrial amyloid-beta peptide: pathogenesis or late-phase development?. *Journal of Alzheimer's Disease*, **2006**, 9, 127-37	4.3	22
20	MuSK signaling at the neuromuscular junction. *Journal of Molecular Neuroscience*, **2006**, 30, 223-6	3.3	11
19	The marriage of glucose and blood vessels: it isn't all that sweet. *Cell Metabolism*, **2005**, 2, 212-5	24.6	2
18	Estrogen-induced mitochondrial reactive oxygen species as signal-transducing messengers. *Biochemistry*, **2005**, 44, 6900-9	3.2	156
17	RANKL regulates Fas expression and Fas-mediated apoptosis in osteoclasts. *Journal of Bone and Mineral Research*, **2005**, 20, 107-16	6.3	58
16	Phosphatidylinositol transfer protein-alpha in netrin-1-induced PLC signalling and neurite outgrowth. *Nature Cell Biology*, **2005**, 7, 1124-32	23.4	107

15	RANKL Regulates Fas Expression and Fas-Mediated Apoptosis in Osteoclasts **2005**, 20, 107		8
14	Mitochondrial signals initiate the activation of c-Jun N-terminal kinase (JNK) by hypoxia-reoxygenation. *FASEB Journal*, **2004**, 18, 1060-70	0.9	83
13	Focal adhesion kinase in netrin-1 signaling. *Nature Neuroscience*, **2004**, 7, 1204-12	25.5	182
12	Thrombospondin induces RhoA inactivation through FAK-dependent signaling to stimulate focal adhesion disassembly. *Journal of Biological Chemistry*, **2004**, 279, 48983-92	5.4	54
11	Neuronal repellent Slit2 inhibits dendritic cell migration and the development of immune responses. *Journal of Immunology*, **2003**, 171, 6519-26	5.3	72
10	PYK2 and FAK in osteoclasts. *Frontiers in Bioscience - Landmark*, **2003**, 8, d1219-26	2.8	25
9	Roles of FAK family kinases in nervous system. *Frontiers in Bioscience - Landmark*, **2003**, 8, s676-82	2.8	21
8	Regulation of the formation of osteoclastic actin rings by proline-rich tyrosine kinase 2 interacting with gelsolin. *Journal of Cell Biology*, **2003**, 160, 565-75	7.3	94
7	PI-3 kinase and IP3 are both necessary and sufficient to mediate NT3-induced synaptic potentiation. *Nature Neuroscience*, **2001**, 4, 19-28	25.5	82
6	Regulation of CDC42 GTPase by proline-rich tyrosine kinase 2 interacting with PSGAP, a novel pleckstrin homology and Src homology 3 domain containing rhoGAP protein. *Journal of Cell Biology*, **2001**, 152, 971-84	7.3	98
5	Glycogen synthase kinase 3beta is tyrosine phosphorylated by PYK2. *Biochemical and Biophysical Research Communications*, **2001**, 284, 485-9	3.4	89
4	Signal transduction in neuronal migration: roles of GTPase activating proteins and the small GTPase Cdc42 in the Slit-Robo pathway. *Cell*, **2001**, 107, 209-21	56.2	468
3	Identification of a novel cortactin SH3 domain-binding protein and its localization to growth cones of cultured neurons. *Molecular and Cellular Biology*, **1998**, 18, 5838-51	4.8	213
2	Induction of apoptosis after expression of PYK2, a tyrosine kinase structurally related to focal adhesion kinase. *Journal of Cell Biology*, **1997**, 139, 529-39	7.3	146
1	Defective glia induce neuronal apoptosis in the repo visual system of Drosophila. *Neuron*, **1995**, 14, 581-90	19.9	97