Lin Mei

List of Publications by Citations

129	7,957	47	88
papers	citations	h-index	g-index
140	9,410	9	6.08
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
129	Neuregulin 1 in neural development, synaptic plasticity and schizophrenia. *Nature Reviews Neuroscience*, **2008**, 9, 437-52	13.5	770
128	LRP4 serves as a coreceptor of agrin. *Neuron*, **2008**, 60, 285-97	13.9	394
127	To build a synapse: signaling pathways in neuromuscular junction assembly. *Development (Cambridge)*, **2010**, 137, 1017-33	6.6	378
126	Neuregulin-ERBB signaling in the nervous system and neuropsychiatric diseases. *Neuron*, **2014**, 83, 27-49	13.9	342
125	Regulation of neuregulin signaling by PSD-95 interacting with ErbB4 at CNS synapses. *Neuron*, **2000**, 26, 443-55	13.9	320
124	The neuregulin-1 receptor erbB4 controls glutamatergic synapse maturation and plasticity. *Neuron*, **2007**, 54, 583-97	13.9	285
123	Neuregulin-1 enhances depolarization-induced GABA release. *Neuron*, **2007**, 54, 599-610	13.9	243
122	Autoantibodies to lipoprotein-related protein 4 in patients with double-seronegative myasthenia gravis. *Archives of Neurology*, **2012**, 69, 445-51		236
121	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
120	Regulation of AChR clustering by Dishevelled interacting with MuSK and PAK1. *Neuron*, **2002**, 35, 489-505	13.9	197
119	VPS35 haploinsufficiency increases Alzheimer's disease neuropathology. *Journal of Cell Biology*, **2011**, 195, 765-79	7.3	185
118	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
117	VPS35 Deficiency or Mutation Causes Dopaminergic Neuronal Loss by Impairing Mitochondrial Fusion and Function. *Cell Reports*, **2015**, 12, 1631-43	10.6	170
116	Neuregulin 1 promotes excitatory synapse development and function in GABAergic interneurons. *Journal of Neuroscience*, **2011**, 31, 15-25	6.6	162
115	VPS35 in Dopamine Neurons Is Required for Endosome-to-Golgi Retrieval of Lamp2a, a Receptor of Chaperone-Mediated Autophagy That Is Critical for α-Synuclein Degradation and Prevention of Pathogenesis of Parkinson's Disease. *Journal of Neuroscience*, **2015**, 35, 10613-28	6.6	154
114	Neuromuscular Junction Formation, Aging, and Disorders. *Annual Review of Physiology*, **2018**, 80, 159-188	23.1	140
113	Distinct roles of muscle and motoneuron LRP4 in neuromuscular junction formation. *Neuron*, **2012**, 75, 94-107	13.9	124

112	Myosin X regulates netrin receptors and functions in axonal path-finding. *Nature Cell Biology*, **2007**, 9, 184-92	23.4	117
111	Structural basis of agrin-LRP4-MuSK signaling. *Genes and Development*, **2012**, 26, 247-58	12.6	116
110	Antibodies against low-density lipoprotein receptor-related protein 4 induce myasthenia gravis. *Journal of Clinical Investigation*, **2013**, 123, 5190-202	15.9	114
109	Specific regulation of NRG1 isoform expression by neuronal activity. *Journal of Neuroscience*, **2011**, 31, 8491-501	6.6	111
108	Retrograde regulation of motoneuron differentiation by muscle beta-catenin. *Nature Neuroscience*, **2008**, 11, 262-8	25.5	103
107	Autoantibodies to agrin in myasthenia gravis patients. *PLoS ONE*, **2014**, 9, e91816	3.7	96
106	Reversal of behavioral deficits and synaptic dysfunction in mice overexpressing neuregulin 1. *Neuron*, **2013**, 78, 644-57	13.9	95
105	LRP4 is critical for neuromuscular junction maintenance. *Journal of Neuroscience*, **2014**, 34, 13892-905	6.6	92
104	ErbB4-neuregulin signaling modulates synapse development and dendritic arborization through distinct mechanisms. *Journal of Biological Chemistry*, **2008**, 283, 32944-56	5.4	86
103	Rapsyn interaction with calpain stabilizes AChR clusters at the neuromuscular junction. *Neuron*, **2007**, 55, 247-60	13.9	78
102	Neuregulin 1 represses limbic epileptogenesis through ErbB4 in parvalbumin-expressing interneurons. *Nature Neuroscience*, **2011**, 15, 258-66	25.5	75
101	Beta-catenin regulates acetylcholine receptor clustering in muscle cells through interaction with rapsyn. *Journal of Neuroscience*, **2007**, 27, 3968-73	6.6	72
100	Wnt proteins regulate acetylcholine receptor clustering in muscle cells. *Molecular Brain*, **2012**, 5, 7	4.5	70
99	Implication of geranylgeranyltransferase I in synapse formation. *Neuron*, **2003**, 40, 703-17	13.9	69
98	Neuregulin-1/ErbB4 Signaling Regulates Visual Cortical Plasticity. *Neuron*, **2016**, 92, 160-173	13.9	65
97	Maintenance of GABAergic activity by neuregulin 1-ErbB4 in amygdala for fear memory. *Neuron*, **2014**, 84, 835-46	13.9	65
96	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
95	HSP90 beta regulates rapsyn turnover and subsequent AChR cluster formation and maintenance. *Neuron*, **2008**, 60, 97-110	13.9	63

94	Schwann Cells in Neuromuscular Junction Formation and Maintenance. *Journal of Neuroscience*, **2016**, 36, 9770-81	6.6	59
93	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
92	Lrp4 in astrocytes modulates glutamatergic transmission. *Nature Neuroscience*, **2016**, 19, 1010-8	25.5	57
91	YAP stabilizes SMAD1 and promotes BMP2-induced neocortical astrocytic differentiation. *Development (Cambridge)*, **2016**, 143, 2398-409	6.6	57
90	VPS35-deficiency results in an impaired AMPA receptor trafficking and decreased dendritic spine maturation. *Molecular Brain*, **2015**, 8, 70	4.5	54
89	VPS35 regulates developing mouse hippocampal neuronal morphogenesis by promoting retrograde trafficking of BACE1. *Biology Open*, **2012**, 1, 1248-57	2.2	54
88	ErbB4 is a suppressor of long-term potentiation in the adult hippocampus. *NeuroReport*, **2008**, 19, 139-43	1.7	54
87	Glia-derived ATP inversely regulates excitability of pyramidal and CCK-positive neurons. *Nature Communications*, **2017**, 8, 13772	17.4	53
86	Crosstalk between Agrin and Wnt signaling pathways in development of vertebrate neuromuscular junction. *Developmental Neurobiology*, **2014**, 74, 828-38	3.2	53
85	Regulation of spine formation by ErbB4 in PV-positive interneurons. *Journal of Neuroscience*, **2013**, 33, 19295-303	6.6	50
84	Amygdala NRG1-ErbB4 is critical for the modulation of anxiety-like behaviors. *Neuropsychopharmacology*, **2015**, 40, 974-86	8.7	48
83	Muscle Yap Is a Regulator of Neuromuscular Junction Formation and Regeneration. *Journal of Neuroscience*, **2017**, 37, 3465-3477	6.6	47
82	Enzymatic Activity of the Scaffold Protein Rapsyn for Synapse Formation. *Neuron*, **2016**, 92, 1007-1019	13.9	42
81	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
80	Slit2 as a β-catenin/Ctnnb1-dependent retrograde signal for presynaptic differentiation. *ELife*, **2015**, 4,	8.9	38
79	β-Catenin gain of function in muscles impairs neuromuscular junction formation. *Development (Cambridge)*, **2012**, 139, 2392-404	6.6	37
78	Erbin interacts with TARP γ-2 for surface expression of AMPA receptors in cortical interneurons. *Nature Neuroscience*, **2013**, 16, 290-9	25.5	36
77	LRP4 in neuromuscular junction and bone development and diseases. *Bone*, **2015**, 80, 101-108	4.7	34

76	Erbin is required for myelination in regenerated axons after injury. *Journal of Neuroscience*, **2012**, 32, 15169-80	6.6	34
75	alpha-Actinin interacts with rapsyn in agrin-stimulated AChR clustering. *Molecular Brain*, **2008**, 1, 18	4.5	32
74	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
73	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
72	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
71	Dynamic ErbB4 Activity in Hippocampal-Prefrontal Synchrony and Top-Down Attention in Rodents. *Neuron*, **2018**, 98, 380-393.e4	13.9	28
70	Screening for lipoprotein receptor-related protein 4-, agrin-, and titin-antibodies and exploring the autoimmune spectrum in myasthenia gravis. *Journal of Neurology*, **2017**, 264, 1193-1203	5.5	27
69	Neogenin, a regulator of adult hippocampal neurogenesis, prevents depressive-like behavior. *Cell Death and Disease*, **2018**, 9, 8	9.8	27
68	Elevated expression of Erbin destabilizes ER protein and promotes tumorigenesis in hepatocellular carcinoma. *Journal of Hepatology*, **2017**, 66, 1193-1204	13.4	25
67	Agrin and low-density lipoprotein-related receptor protein 4 antibodies in amyotrophic lateral sclerosis patients. *Muscle and Nerve*, **2017**, 55, 430-432	3.4	25
66	Chronic Stress Causes Projection-Specific Adaptation of Amygdala Neurons via Small-Conductance Calcium-Activated Potassium Channel Downregulation. *Biological Psychiatry*, **2019**, 85, 812-828	7.9	25
65	Sarcoglycan Alpha Mitigates Neuromuscular Junction Decline in Aged Mice by Stabilizing LRP4. *Journal of Neuroscience*, **2018**, 38, 8860-8873	6.6	25
64	Erbin is a novel substrate of the Sag-TrCP E3 ligase that regulates KrasG12D-induced skin tumorigenesis. *Journal of Cell Biology*, **2015**, 209, 721-37	7.3	24
63	Shp2 is dispensable in the formation and maintenance of the neuromuscular junction. *NeuroSignals*, **2006**, 15, 53-63	1.9	24
62	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
61	Motoneuron Wnts regulate neuromuscular junction development. *ELife*, **2018**, 7,	8.9	23
60	Flow Cytofluorimetric Analysis of Anti-LRP4 (LDL Receptor-Related Protein 4) Autoantibodies in Italian Patients with Myasthenia Gravis. *PLoS ONE*, **2015**, 10, e0135378	3.7	22
59	Muscle-Specific Tyrosine Kinase and Myasthenia Gravis Owing to Other Antibodies. *Neurologic Clinics*, **2018**, 36, 293-310	4.5	21

58	Induction of Anti-agrin Antibodies Causes Myasthenia Gravis in Mice. *Neuroscience*, **2018**, 373, 113-121	3.9	21
57	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
56	Coupling of terminal differentiation deficit with neurodegenerative pathology in Vps35-deficient pyramidal neurons. *Cell Death and Differentiation*, **2020**, 27, 2099-2116	12.7	20
55	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
54	FAK interaction with MBD2: A link from cell adhesion to nuclear chromatin remodeling?. *Cell Adhesion and Migration*, **2010**, 4, 77-80	3.2	18
53	Erbin in Amygdala Parvalbumin-Positive Neurons Modulates Anxiety-like Behaviors. *Biological Psychiatry*, **2020**, 87, 926-936	7.9	17
52	Agrin-Lrp4-Ror2 signaling regulates adult hippocampal neurogenesis in mice. *ELife*, **2019**, 8,	8.9	16
51	Osteoblastic Lrp4 promotes osteoclastogenesis by regulating ATP release and adenosine-AR signaling. *Journal of Cell Biology*, **2017**, 216, 761-778	7.3	15
50	ERBB3-mediated regulation of Bergmann glia proliferation in cerebellar lamination. *Development (Cambridge)*, **2015**, 142, 522-32	6.6	15
49	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
48	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
47	Moving forward with the neuromuscular junction. *Journal of Neurochemistry*, **2017**, 142 Suppl 2, 59-63	6	14
46	Regulation of Synapse Development by Deletion from ErbB4-Positive Interneurons. *Journal of Neuroscience*, **2018**, 38, 2533-2550	6.6	14
45	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
44	A mechanism in agrin signaling revealed by a prevalent Rapsyn mutation in congenital myasthenic syndrome. *ELife*, **2019**, 8,	8.9	13
43	Agrin to YAP in Cancer and Neuromuscular Junctions. *Trends in Cancer*, **2017**, 3, 247-248	12.5	12
42	A discrete serotonergic circuit regulates vulnerability to social stress. *Nature Communications*, **2020** , 11, 4218	17.4	12
41	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

40	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
39	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
38	Neogenin in Amygdala for Neuronal Activity and Information Processing. *Journal of Neuroscience*, **2018**, 38, 9600-9613	6.6	11
37	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
36	Neddylation is critical to cortical development by regulating Wnt/□catenin signaling. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 26448-26459	11.5	8
35	LAP proteins are localized at the post-synaptic membrane of neuromuscular junctions and appear to modulate synaptic morphology and transmission. *Journal of Neurochemistry*, **2016**, 139, 381-395	6	8
34	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
33	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
32	Linking skeletal muscle aging with osteoporosis by lamin A/C deficiency. *PLoS Biology*, **2020**, 18, e3000731	9.7	7
31	Microglial VPS35 deficiency regulates microglial polarization and decreases ischemic stroke-induced damage in the cortex. *Journal of Neuroinflammation*, **2019**, 16, 235	10.1	7
30	Rapsyn as a signaling and scaffolding molecule in neuromuscular junction formation and maintenance. *Neuroscience Letters*, **2020**, 731, 135013	3.3	5
29	NRG1-ErbB4 signaling promotes functional recovery in a murine model of traumatic brain injury via regulation of GABA release. *Experimental Brain Research*, **2019**, 237, 3351-3362	2.3	5
28	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
27	A Role of Lamin A/C in Preventing Neuromuscular Junction Decline in Mice. *Journal of Neuroscience*, **2020**, 40, 7203-7215	6.6	5
26	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
25	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
24	Caspase-3, shears for synapse pruning. *Developmental Cell*, **2014**, 28, 604-6	10.2	3
23	ERBB2 oncogenicity: ERBIN helps to perform the job. *Molecular and Cellular Oncology*, **2015**, 2, e995033	1.2	3

22	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
21	Hepcidin contributes to Swedish mutant APP-induced osteoclastogenesis and trabecular bone loss. *Bone Research*, **2021**, 9, 31	13.3	3
20	Membraneless condensates by Rapsn phase separation as a platform for neuromuscular junction formation. *Neuron*, **2021**, 109, 1963-1978.e5	13.9	3
19	Linking cortical astrocytic neogenin deficiency to the development of Moyamoya disease-like vasculopathy. *Neurobiology of Disease*, **2021**, 154, 105339	7.5	3
18	Ephrin-B3 recruits PSD-95 to synapses. *Nature Neuroscience*, **2015**, 18, 1535-7	25.5	2
17	Myosin X Interaction with KIF13B, a Crucial Pathway for Netrin-1-Induced Axonal Development. *Journal of Neuroscience*, **2020**, 40, 9169-9185	6.6	2
16	Neddylation stabilizes Nav1.1 to maintain interneuron excitability and prevent seizures in murine epilepsy models. *Journal of Clinical Investigation*, **2021**, 131,	15.9	2
15	A Case of Triple-Negative Myasthenia Gravis Lambert-Eaton Overlap Syndrome With Negative Agrin and LRP-4 Antibodies. *Journal of Clinical Neuromuscular Disease*, **2019**, 21, 103-106	1.1	2
14	Microglial VPS35 deficiency impairs A□phagocytosis and A□nduced disease-associated microglia, and enhances A□associated pathology.. *Journal of Neuroinflammation*, **2022**, 19, 61	10.1	2
13	Vps35-deficiency impairs SLC4A11 trafficking and promotes corneal dystrophy. *PLoS ONE*, **2017**, 12, e0184906	3.7	1
12	Characterization of LRP4/Agrin Antibodies From a Patient With Myasthenia Gravis. *Neurology*, **2021**, 97, e975-e987	6.5	1
11	Transglutaminase 2 Induces Deficits in Social Behavior in Mice. *Neural Plasticity*, **2018**, 2018, 2019091	3.3	1
10	In trans neuregulin3-Caspr3 interaction controls DA axonal bassoon cluster development. *Current Biology*, **2021**, 31, 3330-3342.e7	6.3	1
9	An adult-stage transcriptional program for survival of serotonergic connectivity.. *Cell Reports*, **2022**, 39, 110711	10.6	1
8	Parkinson□s in the bone. *Cell and Bioscience*, **2021**, 11, 190	9.8	0
7	Erbin in cortical inhibition. *Future Neurology*, **2013**, 8, 369-372	1.5	
6	Linking skeletal muscle aging with osteoporosis by lamin A/C deficiency **2020**, 18, e3000731		
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List of Publications

4 Linking skeletal muscle aging with osteoporosis by lamin A/C deficiency **2020**, 18, e3000731

3 Linking skeletal muscle aging with osteoporosis by lamin A/C deficiency **2020**, 18, e3000731

2 Linking skeletal muscle aging with osteoporosis by lamin A/C deficiency **2020**, 18, e3000731

1 Linking skeletal muscle aging with osteoporosis by lamin A/C deficiency **2020**, 18, e3000731