Lin Mei

List of Publications by Year
in descending order

134	10,386	38742 50	34986 98
papers	citations	h-index	g-index

140	140	140	9987
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The laterodorsal tegmentum-ventral tegmental area circuit controls depression-like behaviors by activating ErbB4 in DA neurons. Molecular Psychiatry, 2023, 28, 1027-1045.	7.9	10
2	Microglial VPS35 deficiency impairs AÎ² phagocytosis and AÎ²-induced disease-associated microglia, and enhances AÎ² associated pathology. Journal of Neuroinflammation, 2022, 19, 61.	7.2	12
3	An adult-stage transcriptional program for survival of serotonergic connectivity. Cell Reports, 2022, 39, 110711.	6.4	8
4	A novel spinal neuron connection for heat sensation. Neuron, 2022, 110, 2315-2333.e6.	8.1	15
5	Stress Reduces Extracellular ATP in the Prefrontal Cortex and Activates the Prefrontal Cortexâ€“Lateral Habenula Pathway for Depressive-like Behavior. Biological Psychiatry, 2022, 92, 172-174.	1.3	4
6	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.	1.3	28
7	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, .	7.1	10
8	Neddylation stabilizes Nav1.1 to maintain interneuron excitability and prevent seizures in murine epilepsy models. Journal of Clinical Investigation, 2021, 131, .	8.2	21
9	Hepcidin contributes to Swedish mutant APP-induced osteoclastogenesis and trabecular bone loss. Bone Research, 2021, 9, 31.	11.4	13
10	Membraneless condensates by Rapsn phase separation as a platform for neuromuscular junction formation. Neuron, 2021, 109, 1963-1978.e5.	8.1	9
11	Linking cortical astrocytic neogenin deficiency to the development of Moyamoya diseaseâ€“like vasculopathy. Neurobiology of Disease, 2021, 154, 105339.	4.4	10
12	Characterization of LRP4/Agrin Antibodies From a Patient With Myasthenia Gravis. Neurology, 2021, 97, e975-e987.	1.1	18
13	In trans neuregulin3-Caspr3 interaction controls DA axonal bassoon cluster development. Current Biology, 2021, 31, 3330-3342.e7.	3.9	2
14	Parkinson's in the bone. Cell and Bioscience, 2021, 11, 190.	4.8	6
15	Neuregulin 1 and ErbB4 kinase actively regulate sharp wave ripples in the hippocampus. Journal of Neuroscience, 2021, , JN-RM-1022-21.	3.6	7
16	Neogenin-loss in neural crest cells results in persistent hyperplastic primary vitreous formation. Journal of Molecular Cell Biology, 2020, 12, 17-31.	3.3	12
17	Erbin in Amygdala Parvalbumin-Positive Neurons Modulates Anxiety-like Behaviors. Biological Psychiatry, 2020, 87, 926-936.	1.3	39
18	Coupling of terminal differentiation deficit with neurodegenerative pathology in Vps35-deficient pyramidal neurons. Cell Death and Differentiation, 2020, 27, 2099-2116.	11.2	32

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19	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.	8.1	70
20	Neddylation is critical to cortical development by regulating Wnt/Î²-catenin signaling. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 26448-26459.	7.1	16
21	Myosin X Interaction with KIF13B, a Crucial Pathway for Netrin-1-Induced Axonal Development. Journal of Neuroscience, 2020, 40, 9169-9185.	3.6	12
22	A Role of Lamin A/C in Preventing Neuromuscular Junction Decline in Mice. Journal of Neuroscience, 2020, 40, 7203-7215.	3.6	10
23	A discrete serotonergic circuit regulates vulnerability to social stress. Nature Communications, 2020, 11, 4218.	12.8	34
24	Linking skeletal muscle aging with osteoporosis by lamin A/C deficiency. PLoS Biology, 2020, 18, e3000731.	5.6	13
25	A Role of Low-Density Lipoprotein Receptor-Related Protein 4 (LRP4) in Astrocytic AÎ² Clearance. Journal of Neuroscience, 2020, 40, 5347-5361.	3.6	35
26	Rapsyn as a signaling and scaffolding molecule in neuromuscular junction formation and maintenance. Neuroscience Letters, 2020, 731, 135013.	2.1	16
27	Ependymal Vps35 Promotes Ependymal Cell Differentiation and Survival, Suppresses Microglial Activation, and Prevents Neonatal Hydrocephalus. Journal of Neuroscience, 2020, 40, 3862-3879.	3.6	22
28	Astrocytic neogenin/netrin-1 pathway promotes blood vessel homeostasis and function in mouse cortex. Journal of Clinical Investigation, 2020, 130, 6490-6509.	8.2	25
29	Linking skeletal muscle aging with osteoporosis by lamin A/C deficiency. , 2020, 18, e3000731.		0
30	Linking skeletal muscle aging with osteoporosis by lamin A/C deficiency. , 2020, 18, e3000731.		0
31	Linking skeletal muscle aging with osteoporosis by lamin A/C deficiency. , 2020, 18, e3000731.		0
32	Linking skeletal muscle aging with osteoporosis by lamin A/C deficiency. , 2020, 18, e3000731.		0
33	Linking skeletal muscle aging with osteoporosis by lamin A/C deficiency. , 2020, 18, e3000731.		0
34	Linking skeletal muscle aging with osteoporosis by lamin A/C deficiency. , 2020, 18, e3000731.		0
35	NRG1â€“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.	1.5	14
36	pHluorin-BACE1-mCherry Acts as a Reporter for the Intracellular Distribution of Active BACE1 In Vitro and In Vivo. Cells, 2019, 8, 474.	4.1	7

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37	Microglial VPS35 deficiency regulates microglial polarization and decreases ischemic stroke-induced damage in the cortex. Journal of Neuroinflammation, 2019, 16, 235.	7.2	17
38	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.	0.7	2
39	Chronic Stress Causes Projection-Specific Adaptation of Amygdala Neurons via Small-Conductance Calcium-Activated Potassium Channel Downregulation. Biological Psychiatry, 2019, 85, 812-828.	1.3	49
40	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.	2.8	9
41	Agrin-Lrp4-Ror2 signaling regulates adult hippocampal neurogenesis in mice. ELife, 2019, 8, .	6.0	37
42	A mechanism in agrin signaling revealed by a prevalent Rapsyn mutation in congenital myasthenic syndrome. ELife, 2019, 8, .	6.0	17
43	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.	7.1	30
44	Dynamic ErbB4 Activity in Hippocampal-Prefrontal Synchrony and Top-Down Attention in Rodents. Neuron, 2018, 98, 380-393.e4.	8.1	59
45	Muscle-Specific Tyrosine Kinase and Myasthenia Gravis Owing to Other Antibodies. Neurologic Clinics, 2018, 36, 293-310.	1.8	24
46	Agrin and LRP4 antibodies as new biomarkers of myasthenia gravis. Annals of the New York Academy of Sciences, 2018, 1413, 126-135.	3.8	30
47	Neogenin, a regulator of adult hippocampal neurogenesis, prevents depressive-like behavior. Cell Death and Disease, 2018, 9, 8.	6.3	36
48	Induction of Anti-agrin Antibodies Causes Myasthenia Gravis in Mice. Neuroscience, 2018, 373, 113-121.	2.3	32
49	Regulation of Synapse Development byVgatDeletion from ErbB4-Positive Interneurons. Journal of Neuroscience, 2018, 38, 2533-2550.	3.6	23
50	Neuromuscular Junction Formation, Aging, and Disorders. Annual Review of Physiology, 2018, 80, 159-188.	13.1	240
51	Astrocytic Lrp4 (Low-Density Lipoprotein Receptorâ€"Related Protein 4) Contributes to Ischemia-Induced Brain Injury by Regulating ATP Release and Adenosine-A _{2A} R (Adenosine A2A Receptor) Signaling. Stroke, 2018, 49, 165-174.	2.0	22
52	Transglutaminase 2 Induces Deficits in Social Behavior in Mice. Neural Plasticity, 2018, 2018, 1-9.	2.2	2
53	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.	7.1	33
54	APP promotes osteoblast survival and bone formation by regulating mitochondrial function and preventing oxidative stress. Cell Death and Disease, 2018, 9, 1077.	6.3	29

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55	Neogenin in Amygdala for Neuronal Activity and Information Processing. Journal of Neuroscience, 2018, 38, 9600-9613.	3.6	21
56	Sarcoglycan Alpha Mitigates Neuromuscular Junction Decline in Aged Mice by Stabilizing LRP4. Journal of Neuroscience, 2018, 38, 8860-8873.	3.6	40
57	Increased Microglial Activity, Impaired Adult Hippocampal Neurogenesis, and Depressive-like Behavior in Microglial VPS35-Depleted Mice. Journal of Neuroscience, 2018, 38, 5949-5968.	3.6	56
58	YAP promotes osteogenesis and suppresses adipogenic differentiation by regulating Î²-catenin signaling. Bone Research, 2018, 6, 18.	11.4	193
59	Motoneuron Wnts regulate neuromuscular junction development. ELife, 2018, 7, .	6.0	41
60	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.	7.1	27
61	Muscle Yap Is a Regulator of Neuromuscular Junction Formation and Regeneration. Journal of Neuroscience, 2017, 37, 3465-3477.	3.6	58
62	Glia-derived ATP inversely regulates excitability of pyramidal and CCK-positive neurons. Nature Communications, 2017, 8, 13772.	12.8	80
63	Elevated expression of Erbin destabilizes ERÎ± protein and promotes tumorigenesis in hepatocellular carcinoma. Journal of Hepatology, 2017, 66, 1193-1204.	3.7	33
64	Osteoblastic Lrp4 promotes osteoclastogenesis by regulating ATP release and adenosine-A2AR signaling. Journal of Cell Biology, 2017, 216, 761-778.	5.2	20
65	Moving forward with the neuromuscular junction. Journal of Neurochemistry, 2017, 142, 59-63.	3.9	21
66	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.	3.6	41
67	Agrin to YAP in Cancer and Neuromuscular Junctions. Trends in Cancer, 2017, 3, 247-248.	7.4	16
68	Agrin and low-density lipoprotein-related receptor protein 4 antibodies in amyotrophic lateral sclerosis patients. Muscle and Nerve, 2017, 55, 430-432.	2.2	38
69	Vps35-deficiency impairs SLC4A11 trafficking and promotes corneal dystrophy. PLoS ONE, 2017, 12, e0184906.	2.5	2
70	LAP proteins are localized at the postâ€synaptic membrane of neuromuscular junctions and appear to modulate synaptic morphology and transmission. Journal of Neurochemistry, 2016, 139, 381-395.	3.9	14
71	YAP stabilizes SMAD1 and promotes BMP2-induced neocortical astrocytic differentiation. Development (Cambridge), 2016, 143, 2398-2409.	2.5	91
72	Neogenin Promotes BMP2 Activation of YAP and Smad1 and Enhances Astrocytic Differentiation in Developing Mouse Neocortex. Journal of Neuroscience, 2016, 36, 5833-5849.	3.6	44

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73	Retromer in Osteoblasts Interacts With Protein Phosphatase 1 Regulator Subunit 14C, Terminates Parathyroid Hormone's Signaling, and Promotes Its Catabolic Response. EBioMedicine, 2016, 9, 45-60.	6.1	18
74	Neuregulin-1/ErbB4 Signaling Regulates Visual Cortical Plasticity. Neuron, 2016, 92, 160-173.	8.1	91
75	Schwann Cells in Neuromuscular Junction Formation and Maintenance. Journal of Neuroscience, 2016, 36, 9770-9781.	3.6	82
76	Enzymatic Activity of the Scaffold Protein Rapsyn for Synapse Formation. Neuron, 2016, 92, 1007-1019.	8.1	57
77	Lrp4 in astrocytes modulates glutamatergic transmission. Nature Neuroscience, 2016, 19, 1010-1018.	14.8	91
78	VPS35-deficiency results in an impaired AMPA receptor trafficking and decreased dendritic spine maturation. Molecular Brain, 2015, 8, 70.	2.6	65
79	Flow Cytofluorimetric Analysis of Anti-LRP4 (LDL Receptor-Related Protein 4) Autoantibodies in Italian Patients with Myasthenia Gravis. PLoS ONE, 2015, 10, e0135378.	2.5	30
80	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.	2.5	8
81	Erbin is a novel substrate of the Sag-Î²TrCP E3 ligase that regulates KrasG12D-induced skin tumorigenesis. Journal of Cell Biology, 2015, 209, 721-738.	5.2	31
82	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, 3487-3492.	7.1	76
83	ERBB3-mediated regulation of Bergmann glia proliferation in cerebellar lamination. Development (Cambridge), 2015, 142, 522-32.	2.5	16
84	ERBB2 oncogenicity: ERBIN helps to perform the job. Molecular and Cellular Oncology, 2015, 2, e995033.	0.7	4
85	VPS35 in Dopamine Neurons Is Required for Endosome-to-Golgi Retrieval of Lamp2a, a Receptor of Chaperone-Mediated Autophagy That Is Critical for Â-Synuclein Degradation and Prevention of Pathogenesis of Parkinson's Disease. Journal of Neuroscience, 2015, 35, 10613-10628.	3.6	204
86	LRP4 in neuromuscular junction and bone development and diseases. Bone, 2015, 80, 101-108.	2.9	45
87	VPS35 Deficiency or Mutation Causes Dopaminergic Neuronal Loss by Impairing Mitochondrial Fusion and Function. Cell Reports, 2015, 12, 1631-1643.	6.4	241
88	Ephrin-B3 recruits PSD-95 to synapses. Nature Neuroscience, 2015, 18, 1535-1537.	14.8	8
89	Amygdala NRG1â€“ErbB4 Is Critical for the Modulation of Anxiety-Like Behaviors. Neuropsychopharmacology, 2015, 40, 974-986.	5.4	65
90	Slit2 as a Î²-catenin/Ctnnb1-dependent retrograde signal for presynaptic differentiation. ELife, 2015, 4, .	6.0	50

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91	Crosstalk between <scp>Agrin</scp> and <scp>Wnt</scp> signaling pathways in development of vertebrate neuromuscular junction. Developmental Neurobiology, 2014, 74, 828-838.	3.0	61
92	Caspase-3, Shears for Synapse Pruning. Developmental Cell, 2014, 28, 604-606.	7.0	4
93	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.	7.1	37
94	Maintenance of GABAergic Activity by Neuregulin 1-ErbB4 in Amygdala for Fear Memory. Neuron, 2014, 84, 835-846.	8.1	80
95	LRP4 Is Critical for Neuromuscular Junction Maintenance. Journal of Neuroscience, 2014, 34, 13892-13905.	3.6	118
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, 13549-13566.	3.6	84
97	Neuregulin-ERBB Signaling in the Nervous System and Neuropsychiatric Diseases. Neuron, 2014, 83, 27-49.	8.1	465
98	Autoantibodies to Agrin in Myasthenia Gravis Patients. PLoS ONE, 2014, 9, e91816.	2.5	120
99	Reversal of Behavioral Deficits and Synaptic Dysfunction in Mice Overexpressing Neuregulin 1. Neuron, 2013, 78, 644-657.	8.1	111
100	Erbin interacts with TARP Î³-2 for surface expression of AMPA receptors in cortical interneurons. Nature Neuroscience, 2013, 16, 290-299.	14.8	47
101	Antibodies against low-density lipoprotein receptorâ€“related protein 4 induce myasthenia gravis. Journal of Clinical Investigation, 2013, 123, 5190-5202.	8.2	164
102	Regulation of Spine Formation by ErbB4 in PV-Positive Interneurons. Journal of Neuroscience, 2013, 33, 19295-19303.	3.6	58
103	Erbin in cortical inhibition. Future Neurology, 2013, 8, 369-372.	0.5	0
104	Î²-Catenin gain of function in muscles impairs neuromuscular junction formation. Development (Cambridge), 2012, 139, 2392-2404.	2.5	45
105	Autoantibodies to Lipoprotein-Related Protein 4 in Patients With Double-Seronegative Myasthenia Gravis. Archives of Neurology, 2012, 69, 445.	4.5	280
106	VPS35 regulates developing mouse hippocampal neuronal morphogenesis by promoting retrograde trafficking of BACE1. Biology Open, 2012, 1, 1248-1257.	1.2	91
107	Neuregulin 1 represses limbic epileptogenesis through ErbB4 in parvalbumin-expressing interneurons. Nature Neuroscience, 2012, 15, 258-266.	14.8	95
108	Distinct Roles of Muscle and Motoneuron LRP4 in Neuromuscular Junction Formation. Neuron, 2012, 75, 94-107.	8.1	141

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109	Erbin Is Required for Myelination in Regenerated Axons after Injury. Journal of Neuroscience, 2012, 32, 15169-15180.	3.6	41
110	Structural basis of agrinâ€“LRP4â€“MuSK signaling. Genes and Development, 2012, 26, 247-258.	5.9	146
111	Wnt proteins regulate acetylcholine receptor clustering in muscle cells. Molecular Brain, 2012, 5, 7.	2.6	86
112	Neuregulin 1 Promotes Excitatory Synapse Development and Function in GABAergic Interneurons. Journal of Neuroscience, 2011, 31, 15-25.	3.6	199
113	Specific Regulation of NRG1 Isoform Expression by Neuronal Activity. Journal of Neuroscience, 2011, 31, 8491-8501.	3.6	143
114	VPS35 haploinsufficiency increases Alzheimerâ€™s disease neuropathology. Journal of Cell Biology, 2011, 195, 765-779.	5.2	239
115	FAK interaction with MBD2. Cell Adhesion and Migration, 2010, 4, 77-80.	2.7	23
116	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, 1211-1216.	7.1	281
117	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, 21818-21823.	7.1	221
118	To build a synapse: signaling pathways in neuromuscular junction assembly. Development (Cambridge), 2010, 137, 1017-1033.	2.5	442
119	Neuregulin 1 in neural development, synaptic plasticity and schizophrenia. Nature Reviews Neuroscience, 2008, 9, 437-452.	10.2	899
120	alpha-Actinin interacts with rapsyn in agrin-stimulated AChR clustering. Molecular Brain, 2008, 1, 18.	2.6	41
121	HSP90Î² Regulates Rapsyn Turnover and Subsequent AChR Cluster Formation and Maintenance. Neuron, 2008, 60, 97-110.	8.1	70
122	LRP4 Serves as a Coreceptor of Agrin. Neuron, 2008, 60, 285-297.	8.1	455
123	ErbB4-Neuregulin Signaling Modulates Synapse Development and Dendritic Arborization through Distinct Mechanisms. Journal of Biological Chemistry, 2008, 283, 32944-32956.	3.4	97
124	Retrograde regulation of motoneuron differentiation by muscle Î²-catenin. Nature Neuroscience, 2008, 11, 262-268.	14.8	121
125	ErbB4 is a suppressor of long-term potentiation in the adult hippocampus. NeuroReport, 2008, 19, 139-143.	1.2	72
126	Â-Catenin Regulates Acetylcholine Receptor Clustering in Muscle Cells through Interaction with Rapsyn. Journal of Neuroscience, 2007, 27, 3968-3973.	3.6	81

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127	The Neuregulin-1 Receptor ErbB4 Controls Glutamatergic Synapse Maturation and Plasticity. Neuron, 2007, 54, 583-597.	8.1	319
128	Neuregulin-1 Enhances Depolarization-Induced GABA Release. Neuron, 2007, 54, 599-610.	8.1	279
129	Rapsyn Interaction with Calpain Stabilizes AChR Clusters at the Neuromuscular Junction. Neuron, 2007, 55, 247-260.	8.1	85
130	Myosin X regulates netrin receptors and functions in axonal path-finding. Nature Cell Biology, 2007, 9, 184-192.	10.3	128
131	Shp2 Is Dispensable in the Formation and Maintenance of the Neuromuscular Junction. NeuroSignals, 2006, 15, 53-63.	0.9	24
132	Implication of Geranylgeranyltransferase I in Synapse Formation. Neuron, 2003, 40, 703-717.	8.1	75
133	Regulation of AChR Clustering by Dishevelled Interacting with MuSK and PAK1. Neuron, 2002, 35, 489-505.	8.1	221
134	Regulation of Neuregulin Signaling by PSD-95 Interacting with ErbB4 at CNS Synapses. Neuron, 2000, 26, 443-455.	8.1	356