Heng-Ye Man

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4085891/publications.pdf

Version: 2024-02-01

84 papers	7,473 citations	81900 39 h-index	58581 82 g-index
90 all docs	90 docs citations	90 times ranked	9531 citing authors

#	Article	IF	Citations
1	Activation of Synaptic NMDA Receptors Induces Membrane Insertion of New AMPA Receptors and LTP in Cultured Hippocampal Neurons. Neuron, 2001, 29, 243-254.	8.1	822
2	Phosphorylation of the AMPA Receptor GluR1 Subunit Is Required for Synaptic Plasticity and Retention of Spatial Memory. Cell, 2003, 112, 631-643.	28.9	699
3	Regulation of AMPA Receptorâ€“Mediated Synaptic Transmission by Clathrin-Dependent Receptor Internalization. Neuron, 2000, 25, 649-662.	8.1	631
4	Recruitment of functional GABAA receptors to postsynaptic domains by insulin. Nature, 1997, 388, 686-690.	27.8	507
5	Activation of PI3-Kinase Is Required for AMPA Receptor Insertion during LTP of mEPSCs in Cultured Hippocampal Neurons. Neuron, 2003, 38, 611-624.	8.1	317
6	Small molecule-induced cytosolic activation of protein kinase Akt rescues ischemia-elicited neuronal death. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 10581-10586.	7.1	280
7	Regulation of Â-amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid receptor trafficking through PKA phosphorylation of the Glu receptor 1 subunit. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 3579-3584.	7.1	278
8	Loss of ferroportin induces memory impairment by promoting ferroptosis in Alzheimerâ€™s disease. Cell Death and Differentiation, 2021, 28, 1548-1562.	11.2	275
9	Fundamental Elements in Autism: From Neurogenesis and Neurite Growth to Synaptic Plasticity. Frontiers in Cellular Neuroscience, 2017, 11, 359.	3.7	192
10	Differential modulation of GABAA receptor function by Mel1a and Mel1b receptors. Nature Neuroscience, 1999, 2, 401-403.	14.8	177
11	S-Nitrosylation of N-Ethylmaleimide Sensitive Factor Mediates Surface Expression of AMPA Receptors. Neuron, 2005, 46, 533-540.	8.1	165
12	A Novel MicroRNA-124/PTPN1 Signal Pathway Mediates Synaptic and Memory Deficits in Alzheimerâ€™s Disease. Biological Psychiatry, 2018, 83, 395-405.	1.3	153
13	Protein kinase-mediated bidirectional trafficking and functional regulation of the human dopamine transporter. , 1998, 30, 79-87.		149
14	Nedd4â€mediated AMPA receptor ubiquitination regulates receptor turnover and trafficking. Journal of Neurochemistry, 2011, 119, 27-39.	3.9	145
15	Homeostatic regulation of AMPA receptor expression at single hippocampal synapses. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 775-780.	7.1	137
16	AMP-Activated Protein Kinase Regulates Neuronal Polarization by Interfering with PI 3-Kinase Localization. Science, 2011, 332, 247-251.	12.6	127
17	GluA2-lacking, calcium-permeable AMPA receptors â€” inducers of plasticity?. Current Opinion in Neurobiology, 2011, 21, 291-298.	4.2	106
18	Na,K-ATPase Activity Regulates AMPA Receptor Turnover through Proteasome-Mediated Proteolysis. Journal of Neuroscience, 2009, 29, 4498-4511.	3.6	102

#	Article	IF	Citations
19	Homeostatic Regulation of AMPA Receptor Trafficking and Degradation by Light-Controlled Single-Synaptic Activation. Neuron, 2011, 72, 806-818.	8.1	95
20	MicroRNA-26a/Death-Associated Protein KinaseÂ1 Signaling Induces Synucleinopathy andÂDopaminergic Neuron Degeneration in Parkinsonâ€™s Disease. Biological Psychiatry, 2019, 85, 769-781.	1.3	92
21	Impairments of spatial memory in an Alzheimerâ€™s disease model via degeneration of hippocampal cholinergic synapses. Nature Communications, 2017, 8, 1676.	12.8	88
22	Light-Triggered Release of Bioactive Molecules from DNA Nanostructures. Nano Letters, 2016, 16, 2781-2785.	9.1	87
23	Modulation of GABA_AReceptor Function by Tyrosine Phosphorylation of Î² Subunits. Journal of Neuroscience, 1997, 17, 5062-5069.	3.6	83
24	MicroRNA miR124 is required for the expression of homeostatic synaptic plasticity. Nature Communications, 2015, 6, 10045.	12.8	77
25	Synaptic Activity and Bioenergy Homeostasis: Implications in Brain Trauma and Neurodegenerative Diseases. Frontiers in Neurology, 2013, 4, 199.	2.4	75
26	AMPA Receptor Trafficking in Homeostatic Synaptic Plasticity: Functional Molecules and Signaling Cascades. Neural Plasticity, 2012, 2012, 1-12.	2.2	74
27	PRODUCTION OF TUMOUR NECROSIS FACTOR Î± BY PRIMARY CULTURED RAT ALVEOLAR EPITHELIAL CELLS. Cytokine, 2000, 12, 644-654.	3.2	73
28	CIP2A Causes Tau/APP Phosphorylation, Synaptopathy, and Memory Deficits in Alzheimerâ€™s Disease. Cell Reports, 2018, 24, 713-723.	6.4	72
29	Regulation of AMPA receptor localization in lipid rafts. Molecular and Cellular Neurosciences, 2008, 38, 213-223.	2.2	70
30	Bioenergy sensing in the brain. Cell Cycle, 2011, 10, 3452-3460.	2.6	67
31	The deubiquitinating enzyme <scp>USP</scp>46 regulates <scp>AMPA</scp> receptor ubiquitination and trafficking. Journal of Neurochemistry, 2015, 134, 1067-1080.	3.9	64
32	Loss of function of KIAA2022 causes mild to severe intellectual disability with an autism spectrum disorder and impairs neurite outgrowth. Human Molecular Genetics, 2013, 22, 3306-3314.	2.9	62
33	The Autism and Angelman Syndrome Protein Ube3A/E6AP: The Gene, E3 Ligase Ubiquitination Targets and Neurobiological Functions. Frontiers in Molecular Neuroscience, 2019, 12, 109.	2.9	53
34	The Autism Protein Ube3A/E6AP Remodels Neuronal Dendritic Arborization via Caspase-Dependent Microtubule Destabilization. Journal of Neuroscience, 2018, 38, 363-378.	3.6	53
35	Quantitative assessment of single-cell whole genome amplification methods for detecting copy number variation using hippocampal neurons. Scientific Reports, 2015, 5, 11415.	3.3	51
36	Crucial Roles for SIRT2 and AMPA Receptor Acetylation in Synaptic Plasticity and Memory. Cell Reports, 2017, 20, 1335-1347.	6.4	51

#	Article	IF	Citations
37	Amyloid-Î² Induces AMPA Receptor Ubiquitination and Degradation in Primary Neurons and Human Brains of Alzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2018, 62, 1789-1801.	2.6	51
38	Epilepsy-associated gene Nedd4-2 mediates neuronal activity and seizure susceptibility through AMPA receptors. PLoS Genetics, 2017, 13, e1006634.	3.5	48
39	Optoacoustic brain stimulation at submillimeter spatial precision. Nature Communications, 2020, 11, 881.	12.8	47
40	miR-135a-5p mediates memory and synaptic impairments via the Rock2/Adducin1 signaling pathway in a mouse model of Alzheimerâ€™s disease. Nature Communications, 2021, 12, 1903.	12.8	46
41	Correcting abnormalities in miRâ€124/PTPN1 signaling rescues tau pathology in Alzheimerâ€™s disease. Journal of Neurochemistry, 2020, 154, 441-457.	3.9	43
42	Opposite effects of two estrogen receptors on tau phosphorylation through disparate effects on the miRâ€218/<scp>PTPA</scp> pathway. Aging Cell, 2015, 14, 867-877.	6.7	40
43	The X-Linked Autism Protein KIAA2022/KIDLIA Regulates Neurite Outgrowth via N-Cadherin and Î²-Catenin Signaling. ENeuro, 2016, 3, ENEURO.0238-16.2016.	1.9	38
44	Î²-Amyloid triggers aberrant over-scaling of homeostatic synaptic plasticity. Acta Neuropathologica Communications, 2016, 4, 131.	5.2	35
45	NEXMIF/KIDLIA Knock-out Mouse Demonstrates Autism-Like Behaviors, Memory Deficits, and Impairments in Synapse Formation and Function. Journal of Neuroscience, 2020, 40, 237-254.	3.6	33
46	A MicroRNA-Based Gene-Targeting Tool for Virally Labeling Interneurons in the Rodent Cortex. Cell Reports, 2018, 24, 294-303.	6.4	32
47	Activation of MT2 receptor ameliorates dendritic abnormalities in Alzheimerâ€™s disease via C/EBPÎ±/miRâ€125b pathway. Aging Cell, 2019, 18, e12902.	6.7	32
48	A novel pathway regulates social hierarchy via lncRNA AtLAS and postsynaptic synapsin IIb. Cell Research, 2020, 30, 105-118.	12.0	32
49	Ubiquitination of Neurotransmitter Receptors and Postsynaptic Scaffolding Proteins. Neural Plasticity, 2013, 2013, 1-10.	2.2	30
50	Parasynaptic NMDA Receptor Signaling Couples Neuronal Glutamate Transporter Function to AMPA Receptor Synaptic Distribution and Stability. Journal of Neuroscience, 2012, 32, 2552-2563.	3.6	29
51	Resveratrol up-regulates AMPA receptor expression via AMP-activated protein kinase-mediated protein translation. Neuropharmacology, 2015, 95, 144-153.	4.1	28
52	Non-genetic photoacoustic stimulation of single neurons by a tapered fiber optoacoustic emitter. Light: Science and Applications, 2021, 10, 143.	16.6	27
53	Endocytic Adaptor Epidermal Growth Factor Receptor Substrate 15 (Eps15) Is Involved in the Trafficking of Ubiquitinated Î±-Amino-3-hydroxy-5-methyl-4-isoxazolepropionic Acid Receptors. Journal of Biological Chemistry, 2014, 289, 24652-24664.	3.4	22
54	Regulation of neuronal bioenergy homeostasis by glutamate. Neurochemistry International, 2012, 61, 389-396.	3.8	21

#	Article	IF	Citations
55	Loss of NEDD4 contributes to RTP801 elevation and neuron toxicity: implications for Parkinson's disease. Oncotarget, 2016, 7, 58813-58831.	1.8	21
56	Large-scale voltage imaging in behaving mice using targeted illumination. IScience, 2021, 24, 103263.	4.1	21
57	Changes in expression of c-Fos protein following cocaine-cue extinction learning. Behavioural Brain Research, 2012, 234, 100-106.	2.2	20
58	Glycine Potentiates AMPA Receptor Function through Metabotropic Activation of GluN2A-Containing NMDA Receptors. Frontiers in Molecular Neuroscience, 2016, 9, 102.	2.9	20
59	Tau overexpression impairs neuronal endocytosis by decreasing the GTPase dynamin 1 through the miRâ€132/MeCP2 pathway. Aging Cell, 2019, 18, e12929.	6.7	19
60	CIP2A-promoted astrogliosis induces AD-like synaptic degeneration and cognitive deficits. Neurobiology of Aging, 2019, 75, 198-208.	3.1	19
61	Environmental enrichment facilitates cocaineâ€cue extinction, deters reacquisition of cocaine selfâ€administration and alters AMPAR GluA1 expression and phosphorylation. Addiction Biology, 2017, 22, 152-162.	2.6	17
62	Non-scaling regulation of AMPA receptors in homeostatic synaptic plasticity. Neuropharmacology, 2019, 158, 107700.	4.1	16
63	Alterations in expression and phosphorylation of GluA1 receptors following cocaine-cue extinction learning. Behavioural Brain Research, 2013, 238, 119-123.	2.2	15
64	A Viral Toolbox of Genetically Encoded Fluorescent Synaptic Tags. IScience, 2020, 23, 101330.	4.1	14
65	Synaptic Capture of Laterally Diffusing AMPA Receptors â€“ An Idea That Stuck. Trends in Neurosciences, 2018, 41, 330-332.	8.6	13
66	Social isolation reinforces aging-related behavioral inflexibility by promoting neuronal necroptosis in basolateral amygdala. Molecular Psychiatry, 2022, 27, 4050-4063.	7.9	9
67	Modulation of baroreflex sensitivity by the state of protein tyrosine phosphorylation in the brainstem of the rat. Brain Research, 1998, 792, 141-148.	2.2	8
68	AMPK links cellular bioenergy status to the decision making of axon initiation in neurons. Cellular Logistics, 2011, 1, 103-105.	0.9	8
69	AMPK signaling in neuronal polarization. Communicative and Integrative Biology, 2012, 5, 152-155.	1.4	7
70	A role for neuroserpin in neuron morphological development. Journal of Neurochemistry, 2012, 121, 495-496.	3.9	7
71	Zinc mediates the neuronal activityâ€dependent anti-apoptotic effect. PLoS ONE, 2017, 12, e0182150.	2.5	7
72	Acetylation of AMPA Receptors Regulates Receptor Trafficking and Rescues Memory Deficits in Alzheimer's Disease. IScience, 2020, 23, 101465.	4.1	6

#	Article	IF	Citations
73	Prkn knockout mice show autistic-like behaviors and aberrant synapse formation. IScience, 2022, 25, 104573.	4.1	6
74	AMPA receptors in the medial amygdala are critical for establishing a neuroendocrine memory in the female rat. European Journal of Neuroscience, 2009, 29, 146-160.	2.6	5
75	Facilitative effects of environmental enrichment for cocaine relapse prevention are dependent on extinction training context and involve increased TrkB signaling in dorsal hippocampus and ventromedial prefrontal cortex. Behavioural Brain Research, 2020, 386, 112596.	2.2	5
76	Role of the DUB enzyme USP7 in dendritic arborization, neuronal migration, and autistic-like behaviors in mice. IScience, 2022, 25, 104595.	4.1	5
77	RTP801 regulates motor cortex synaptic transmission and learning. Experimental Neurology, 2021, 342, 113755.	4.1	4
78	Input-specific homeostatic regulation of AMPA receptor accumulation at central synapses. Communicative and Integrative Biology, 2012, 5, 553-556.	1.4	2
79	Transient sublethal hypoxia in neonatal rats causes reduced dendritic spines, aberrant synaptic plasticity, and impairments in memory. Journal of Neuroscience Research, 2020, 98, 1588-1604.	2.9	2
80	Translational Dysregulation in Autism. Cell & Developmental Biology, 2014, 03, .	0.3	1
81	Comprehensive, High Throughput Screening of Neuron Behavior on Gradient Micro-Alignment Topographies. , 2019, , .		1
82	Sex differences in the effects of a combined behavioral and pharmacological treatment strategy for cocaine relapse prevention in an animal model of cue exposure therapy. Behavioural Brain Research, 2020, 395, 112839.	2.2	1
83	The Sodium Pump: Novel Functions in the Brain. Biochemistry and Analytical Biochemistry: Current Research, 2012, 01, .	0.4	1
84	P3â€172: CIP2Aâ€PP2A SIGNALING CAUSES TAU/APP PHOSPHORYLATION, SYNAPTOPATHY AND MEMORY DEFICITS IN ALZHEIMER'S DISEASE. Alzheimer's and Dementia, 2018, 14, P1133.	0.8	0