

Yi-Ping Hsueh

List of Publications by Year in descending order

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103
papers

6,262
citations

101543

36
h-index

71685

76
g-index

109
all docs

109
docs citations

109
times ranked

7472
citing authors

#	ARTICLE	IF	CITATIONS
1	Tbr1 Regulates Differentiation of the Preplate and Layer 6. <i>Neuron</i> , 2001, 29, 353-366.	8.1	829
2	GKAP, a Novel Synaptic Protein That Interacts with the Guanylate Kinase-like Domain of the PSD-95/SAP90 Family of Channel Clustering Molecules. <i>Journal of Cell Biology</i> , 1997, 136, 669-678.	5.2	488
3	Nuclear translocation and transcription regulation by the membrane-associated guanylate kinase CASK/LIN-2. <i>Nature</i> , 2000, 404, 298-302.	27.8	339
4	Direct Interaction of CASK/LIN-2 and Syndecan Heparan Sulfate Proteoglycan and Their Overlapping Distribution in Neuronal Synapses. <i>Journal of Cell Biology</i> , 1998, 142, 139-151.	5.2	325
5	Disulfide-Linked Head-to-Head Multimerization in the Mechanism of Ion Channel Clustering by PSD-95. <i>Neuron</i> , 1997, 18, 803-814.	8.1	199
6	Regulated Expression and Subcellular Localization of Syndecan Heparan Sulfate Proteoglycans and the Syndecan-Binding Protein CASK/LIN-2 during Rat Brain Development. <i>Journal of Neuroscience</i> , 1999, 19, 7415-7425.	3.6	196
7	The Role of the MAGUK Protein CASK in Neural Development and Synaptic Function. <i>Current Medicinal Chemistry</i> , 2006, 13, 1915-1927.	2.4	173
8	PSD-95 and SAP97 Exhibit Distinct Mechanisms for Regulating K ⁺ Channel Surface Expression and Clustering. <i>Journal of Cell Biology</i> , 2000, 148, 147-157.	5.2	165
9	Tbr1 haploinsufficiency impairs amygdalar axonal projections and results in cognitive abnormality. <i>Nature Neuroscience</i> , 2014, 17, 240-247.	14.8	157
10	Transcriptional Modification by a CASK-Interacting Nucleosome Assembly Protein. <i>Neuron</i> , 2004, 42, 113-128.	8.1	142
11	Syndecan-2 induces filopodia and dendritic spine formation via the neurofibromin-PAK/Ena/VASP pathway. <i>Journal of Cell Biology</i> , 2007, 177, 829-841.	5.2	128
12	An Intramolecular Interaction between Src Homology 3 Domain and Guanylate Kinase-Like Domain Required for Channel Clustering by Postsynaptic Density-95/SAP90. <i>Journal of Neuroscience</i> , 2000, 20, 3580-3587.	3.6	122
13	Sarm1, a negative regulator of innate immunity, interacts with syndecan-2 and regulates neuronal morphology. <i>Journal of Cell Biology</i> , 2011, 193, 769-784.	5.2	120
14	Cdk5 Promotes Synaptogenesis by Regulating the Subcellular Distribution of the MAGUK Family Member CASK. <i>Neuron</i> , 2007, 56, 823-837.	8.1	111
15	Heterodimeric complexes of Hop2 and Mnd1 function with Dmc1 to promote meiotic homolog juxtaposition and strand assimilation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 10572-10577.	7.1	110
16	Trans-synaptic zinc mobilization improves social interaction in two mouse models of autism through NMDAR activation. <i>Nature Communications</i> , 2015, 6, 7168.	12.8	101
17	c-Jun N-terminal Kinase but Not Mitogen-activated Protein Kinase Is Sensitive to cAMP Inhibition in T Lymphocytes. <i>Journal of Biological Chemistry</i> , 1995, 270, 18094-18098.	3.4	97
18	SUMOylation of the MAGUK protein CASK regulates dendritic spinogenesis. <i>Journal of Cell Biology</i> , 2008, 182, 141-155.	5.2	89

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19	Mice Deficient in Collapsin Response Mediator Protein-1 Exhibit Impaired Long-Term Potentiation and Impaired Spatial Learning and Memory. <i>Journal of Neuroscience</i> , 2007, 27, 2513-2524.	3.6	85
20	Identification of Tbr-1/CASK complex target genes in neurons. <i>Journal of Neurochemistry</i> , 2004, 91, 1483-1492.	3.9	80
21	Requirement of N-terminal Cysteines of PSD-95 for PSD-95 Multimerization and Ternary Complex Formation, but Not for Binding to Potassium Channel Kv1.4. <i>Journal of Biological Chemistry</i> , 1999, 274, 532-536.	3.4	79
22	Bipartite Interaction between Neurofibromatosis Type I Protein (Neurofibromin) and Syndecan Transmembrane Heparan Sulfate Proteoglycans. <i>Journal of Neuroscience</i> , 2001, 21, 3764-3770.	3.6	76
23	Cortactin-Binding Protein 2 Modulates the Mobility of Cortactin and Regulates Dendritic Spine Formation and Maintenance. <i>Journal of Neuroscience</i> , 2012, 32, 1043-1055.	3.6	75
24	Calcium/calmodulin-dependent serine protein kinase and mental retardation. <i>Annals of Neurology</i> , 2009, 66, 438-443.	5.3	74
25	Valosin-containing protein and neurofibromin interact to regulate dendritic spine density. <i>Journal of Clinical Investigation</i> , 2011, 121, 4820-4837.	8.2	70
26	Vaccination with SARS-CoV-2 spike protein lacking glycan shields elicits enhanced protective responses in animal models. <i>Science Translational Medicine</i> , 2022, 14, eabm0899.	12.4	68
27	TLR7 Negatively Regulates Dendrite Outgrowth through the Myd88-c-Fos-IL-6 Pathway. <i>Journal of Neuroscience</i> , 2013, 33, 11479-11493.	3.6	60
28	VCP and ATL1 regulate endoplasmic reticulum and protein synthesis for dendritic spine formation. <i>Nature Communications</i> , 2016, 7, 11020.	12.8	60
29	CTTNBP2, but not CTTNBP2NL, regulates dendritic spinogenesis and synaptic distribution of the striatin-PP2A complex. <i>Molecular Biology of the Cell</i> , 2012, 23, 4383-4392.	2.1	59
30	Bcl11A/CTIP1 regulates expression of DCC and MAP1b in control of axon branching and dendrite outgrowth. <i>Molecular and Cellular Neurosciences</i> , 2009, 42, 195-207.	2.2	56
31	Endosomal TLR3, TLR7, and TLR8 control neuronal morphology through different transcriptional programs. <i>Journal of Cell Biology</i> , 2018, 217, 2727-2742.	5.2	56
32	Neuronal excitation upregulates Tbr1, a high-confidence risk gene of autism, mediating Grin2b expression in the adult brain. <i>Frontiers in Cellular Neuroscience</i> , 2014, 8, 280.	3.7	51
33	Tbr1 is a Potential Master Regulator in Autism Spectrum Disorders. <i>Autism Research</i> , 2015, 8, 412-426.	3.8	51
34	Deletion of the Inflammasome Sensor Nlrp1b Mitigates A β Deposition and Microglial Activation but Increases Inflammatory Cytokine Expression in an Alzheimer Disease Mouse Model. <i>NeuroImmunoModulation</i> , 2017, 24, 29-39.	1.8	47
35	The microRNAs Let7c and miR21 are recognized by neuronal Toll-like receptor 7 to restrict dendritic growth of neurons. <i>Experimental Neurology</i> , 2015, 269, 202-212.	4.1	45
36	Sarm1 activation produces cADPR to increase intra-axonal Ca ⁺⁺ and promote axon degeneration in PIPN. <i>Journal of Cell Biology</i> , 2022, 221, .	5.2	44

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37	Haploinsufficiency of autism causative gene Tbr1 impairs olfactory discrimination and neuronal activation of the olfactory system in mice. <i>Molecular Autism</i> , 2019, 10, 5.	4.9	42
38	Brain-specific transcriptional regulator T-brain-1 controls brain wiring and neuronal activity in autism spectrum disorders. <i>Frontiers in Neuroscience</i> , 2015, 9, 406.	2.8	41
39	Neuronally-expressed Sarm1 regulates expression of inflammatory and antiviral cytokines in brains. <i>Innate Immunity</i> , 2014, 20, 161-172.	2.4	40
40	Innate immune responses regulate morphogenesis and degeneration: roles of Toll-like receptors and Sarm1 in neurons. <i>Neuroscience Bulletin</i> , 2014, 30, 645-654.	2.9	39
41	AIM 2 inflammasomes regulate neuronal morphology and influence anxiety and memory in mice. <i>Scientific Reports</i> , 2016, 6, 32405.	3.3	39
42	Beyond defense: regulation of neuronal morphogenesis and brain functions via Toll-like receptors. <i>Journal of Biomedical Science</i> , 2019, 26, 90.	7.0	39
43	Sarm1, a neuronal inflammatory regulator, controls social interaction, associative memory and cognitive flexibility in mice. <i>Brain, Behavior, and Immunity</i> , 2014, 37, 142-151.	4.1	38
44	<sc>TLR</sc> 3 downregulates expression of schizophrenia gene <i>Disc1</i> via <sc>MYD</sc> 88 to control neuronal morphology. <i>EMBO Reports</i> , 2017, 18, 169-183.	4.5	38
45	Xâ€linked mental retardation gene CASK interacts with Bcl11A/CTIP1 and regulates axon branching and outgrowth. <i>Journal of Neuroscience Research</i> , 2010, 88, 2364-2373.	2.9	37
46	Mice lacking cyclin-dependent kinase-like 5 manifest autistic and ADHD-like behaviors. <i>Human Molecular Genetics</i> , 2017, 26, 3922-3934.	2.9	37
47	CTTNBP2 Controls Synaptic Expression of Zinc-Related Autism-Associated Proteins and Regulates Synapse Formation and Autism-like Behaviors. <i>Cell Reports</i> , 2020, 31, 107700.	6.4	36
48	Sarm1 deficiency impairs synaptic function and leads to behavioral deficits, which can be ameliorated by an mGluR allosteric modulator. <i>Frontiers in Cellular Neuroscience</i> , 2014, 8, 87.	3.7	34
49	PINK1 Interacts with VCP/p97 and Activates PKA to Promote NSFL1C/p47 Phosphorylation and Dendritic Arborization in Neurons. <i>ENeuro</i> , 2018, 5, ENEURO.0466-18.2018.	1.9	34
50	Cortactin binding protein 2 increases microtubule stability and regulates dendritic arborization. <i>Journal of Cell Science</i> , 2014, 127, 3521-34.	2.0	32
51	Tlr7 deletion alters expression profiles of genes related to neural function and regulates mouse behaviors and contextual memory. <i>Brain, Behavior, and Immunity</i> , 2018, 72, 101-113.	4.1	30
52	Targeted Deletion of CASK-Interacting Nucleosome Assembly Protein Causes Higher Locomotor and Exploratory Activities. <i>NeuroSignals</i> , 2011, 19, 128-141.	0.9	29
53	Neurofibromin interacts with CRMP-2 and CRMP-4 in rat brain. <i>Biochemical and Biophysical Research Communications</i> , 2008, 369, 747-752.	2.1	28
54	Bcl11A/CTIP1 mediates the effect of the glutamate receptor on axon branching and dendrite outgrowth. <i>Journal of Neurochemistry</i> , 2010, 114, 1381-1392.	3.9	26

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55	Calcium/calmodulin-dependent serine protein kinase (CASK), a protein implicated in mental retardation and autism-spectrum disorders, interacts with T-Brain-1 (TBR1) to control extinction of associative memory in male mice. <i>Journal of Psychiatry and Neuroscience</i> , 2017, 42, 37-47.	2.4	26
56	CASK phosphorylation by PKA regulates the protein-protein interactions of CASK and expression of the NMDAR2b gene. <i>Journal of Neurochemistry</i> , 2010, 112, 1562-1573.	3.9	25
57	Calcium influx and postsynaptic proteins coordinate the dendritic filopodium-spine transition. <i>Developmental Neurobiology</i> , 2014, 74, 1011-1029.	3.0	25
58	Chapter 9 Anchoring of glutamate receptors at the synapse. <i>Progress in Brain Research</i> , 1998, 116, 123-131.	1.4	24
59	Slit Promotes Branching and Elongation of Neurites of Interneurons But Not Projection Neurons from the Developing Telencephalon. <i>Molecular and Cellular Neurosciences</i> , 2002, 21, 250-265.	2.2	24
60	CASK point mutation regulates protein-protein interactions and NR2b promoter activity. <i>Biochemical and Biophysical Research Communications</i> , 2009, 382, 219-222.	2.1	24
61	Postsynaptic SDC2 induces transsynaptic signaling via FGF22 for bidirectional synaptic formation. <i>Scientific Reports</i> , 2016, 6, 33592.	3.3	23
62	Eph Receptors, Ephrins, and PDZs Gather in Neuronal Synapses. <i>Neuron</i> , 1998, 21, 1227-1229.	8.1	22
63	Neural activity- and development-dependent expression and distribution of CASK interacting nucleosome assembly protein in mouse brain. <i>Journal of Comparative Neurology</i> , 2006, 494, 606-619.	1.6	22
64	From neurodevelopment to neurodegeneration: the interaction of neurofibromin and valosin-containing protein/p97 in regulation of dendritic spine formation. <i>Journal of Biomedical Science</i> , 2012, 19, 33.	7.0	22
65	CASK associates with glutamate receptor interacting protein and signaling molecules. <i>Biochemical and Biophysical Research Communications</i> , 2006, 351, 771-776.	2.1	21
66	Expression of zinc finger transcription factor Bcl11A/Evi9/CTIP1 in rat brain. <i>Journal of Neuroscience Research</i> , 2007, 85, 1628-1636.	2.9	19
67	The Involvement of Neuron-Specific Factors in Dendritic Spinogenesis: Molecular Regulation and Association with Neurological Disorders. <i>Neural Plasticity</i> , 2016, 2016, 1-10.	2.2	19
68	Autism-linked mutations of CTTNBP2 reduce social interaction and impair dendritic spine formation via diverse mechanisms. <i>Acta Neuropathologica Communications</i> , 2020, 8, 185.	5.2	19
69	Vcp Overexpression and Leucine Supplementation Increase Protein Synthesis and Improve Fear Memory and Social Interaction of Nf1 Mutant Mice. <i>Cell Reports</i> , 2020, 31, 107835.	6.4	19
70	Calcium/calmodulin-dependent serine protein kinase (CASK) is a new intracellular modulator of P2X3 receptors. <i>Journal of Neurochemistry</i> , 2013, 126, 102-112.	3.9	17
71	Interhemispheric Connectivity Potentiates the Basolateral Amygdalae and Regulates Social Interaction and Memory. <i>Cell Reports</i> , 2019, 29, 34-48.e4.	6.4	17
72	Phase separation and zinc-induced transition modulate synaptic distribution and association of autism-linked CTTNBP2 and SHANK3. <i>Nature Communications</i> , 2022, 13, 2664.	12.8	17

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73	Cytoplasmic distribution of T-box transcription factor Tbr-1 in adult rodent brain. <i>Journal of Chemical Neuroanatomy</i> , 2007, 33, 124-130.	2.1	16
74	The involvement of endoplasmic reticulum formation and protein synthesis efficiency in VCP- and ATL1-related neurological disorders. <i>Journal of Biomedical Science</i> , 2018, 25, 2.	7.0	16
75	Neurofibromin signaling and synapses. <i>Journal of Biomedical Science</i> , 2007, 14, 461-466.	7.0	14
76	Blimp-1-Mediated Pathway Promotes Type I IFN Production in Plasmacytoid Dendritic Cells by Targeting to Interleukin-1 Receptor-Associated Kinase M. <i>Frontiers in Immunology</i> , 2018, 9, 1828.	4.8	13
77	Anterior Commissure Regulates Neuronal Activity of Amygdalae and Influences Locomotor Activity, Social Interaction and Fear Memory in Mice. <i>Frontiers in Molecular Neuroscience</i> , 2020, 13, 47.	2.9	12
78	Ecm29-mediated proteasomal distribution modulates excitatory GABA responses in the developing brain. <i>Journal of Cell Biology</i> , 2020, 219, .	5.2	12
79	Novel Object Recognition for Studying Memory in Mice. <i>Bio-protocol</i> , 2014, 4, .	0.4	12
80	Neuron-specific regulation on F-actin cytoskeletons. <i>Communicative and Integrative Biology</i> , 2012, 5, 334-336.	1.4	10
81	Synaptic Formation, Neural Circuits and Neurodevelopmental Disorders Controlled by Signaling, Translation, and Epigenetic Regulation. <i>Developmental Neurobiology</i> , 2019, 79, 2-7.	3.0	10
82	Dietary zinc supplementation rescues fear-based learning and synaptic function in the Tbr1+/Δ mouse model of autism spectrum disorders. <i>Molecular Autism</i> , 2022, 13, 13.	4.9	9
83	<i>Trichoderma reesei</i> Rad51 tolerates mismatches in hybrid meiosis with diverse genome sequences. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	8
84	Atypical Signaling Defects Prevent IL-2 Gene Expression in <i>lpr/lpr</i> CD4–CD8– Cells. <i>Journal of Biomedical Science</i> , 1998, 5, 297-304.	7.0	7
85	RNase A Promotes Proliferation of Neuronal Progenitor Cells via an ERK-Dependent Pathway. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 428.	2.9	7
86	Protein synthesis as a modifiable target for autism-related dendritic spine pathophysiology. <i>FEBS Journal</i> , 2022, 289, 2282-2300.	4.7	7
87	TLR7 Is Critical for Anti-Viral Humoral Immunity to EV71 Infection in the Spinal Cord. <i>Frontiers in Immunology</i> , 2020, 11, 614743.	4.8	7
88	Merlin cooperates with neurofibromin and Spred1 to suppress the Ras–Erk pathway. <i>Human Molecular Genetics</i> , 2021, 29, 3793-3806.	2.9	7
89	KLHL17/Actinfilin, a brain-specific gene associated with infantile spasms and autism, regulates dendritic spine enlargement. <i>Journal of Biomedical Science</i> , 2020, 27, 103.	7.0	6
90	Atypical signaling defects prevent IL-2 gene expression in <i>lpr/lpr</i> CD4-CD8-cells. <i>Journal of Biomedical Science</i> , 1998, 5, 297-304.	7.0	5

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91	TLR7 and IL-6 differentially regulate the effects of rotarod exercise on the transcriptomic profile and neurogenesis to influence anxiety and memory. IScience, 2021, 24, 102384.	4.1	5
92	A Versatile Player. Journal of Molecular Biology, 2011, 412, 1-2.	4.2	4
93	Social behaviors and contextual memory of Vcp mutant mice are sensitive to nutrition and can be ameliorated by amino acid supplementation. IScience, 2021, 24, 101949.	4.1	4
94	Transcriptomic Analysis and C-Terminal Epitope Tagging Reveal Differential Processing and Signaling of Endogenous TLR3 and TLR7. Frontiers in Immunology, 2021, 12, 686060.	4.8	3
95	Macro photography with Lightsheet Illumination Enables Whole Expanded Brain Imaging with Single-cell Resolution. Discoveries, 2021, 9, e133.	2.3	2
96	Transcriptional Modification by a CASK-Interacting Nucleosome Assembly Protein. Neuron, 2004, 43, 437.	8.1	1
97	The evolutionarily conserved function of TBR1 in controlling the size of anterior commissure in human and mouse brains. European Journal of Human Genetics, 2020, 28, 997-998.	2.8	1
98	Two-choice Digging Task in Mouse for Studying the Cognitive Flexibility. Bio-protocol, 2014, 4, .	0.4	1
99	Limited Regulatory Effect of T Cell Receptor-Derived Peptides. Cellular Immunology, 1995, 161, 218-225.	3.0	0
100	Editorial: Autism Signaling Pathways. Frontiers in Cellular Neuroscience, 2021, 15, 760994.	3.7	0
101	SARM1 (Sterile Alpha and TIR Motif-Containing Protein 1). , 2016, , 1-6.		0
102	SARM1 (Sterile Alpha and TIR Motif-Containing Protein 1). , 2018, , 4841-4846.		0
103	PINK1 activates PKA to promote VCPâ€P47 complexâ€mediated dendritogenesis. FASEB Journal, 2019, 33, 662.10.	0.5	0