

Paul F Worley

List of Publications by Year in descending order

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156
papers

26,276
citations

9786

73
h-index

6471

157
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164
all docs

164
docs citations

164
times ranked

19508
citing authors

#	ARTICLE	IF	CITATIONS
1	Arc, a growth factor and activity-regulated gene, encodes a novel cytoskeleton-associated protein that is enriched in neuronal dendrites. <i>Neuron</i> , 1995, 14, 433-445.	8.1	1,114
2	The mTOR Kinase Differentially Regulates Effector and Regulatory T Cell Lineage Commitment. <i>Immunity</i> , 2009, 30, 832-844.	14.3	1,079
3	Rapid increase of an immediate early gene messenger RNA in hippocampal neurons by synaptic NMDA receptor activation. <i>Nature</i> , 1989, 340, 474-476.	27.8	1,019
4	Coupling of mGluR/Homer and PSD-95 Complexes by the Shank Family of Postsynaptic Density Proteins. <i>Neuron</i> , 1999, 23, 583-592.	8.1	992
5	The kinase mTOR regulates the differentiation of helper T cells through the selective activation of signaling by mTORC1 and mTORC2. <i>Nature Immunology</i> , 2011, 12, 295-303.	14.5	970
6	Environment-specific expression of the immediate-early gene Arc in hippocampal neuronal ensembles. <i>Nature Neuroscience</i> , 1999, 2, 1120-1124.	14.8	920
7	GRIP: a synaptic PDZ domain-containing protein that interacts with AMPA receptors. <i>Nature</i> , 1997, 386, 279-284.	27.8	812
8	Homer Binds a Novel Proline-Rich Motif and Links Group 1 Metabotropic Glutamate Receptors with IP3 Receptors. <i>Neuron</i> , 1998, 21, 717-726.	8.1	801
9	Synaptic Activation Causes the mRNA for the IEG Arc to Localize Selectively near Activated Postsynaptic Sites on Dendrites. <i>Neuron</i> , 1998, 21, 741-751.	8.1	751
10	Arc/Arg3.1 Interacts with the Endocytic Machinery to Regulate AMPA Receptor Trafficking. <i>Neuron</i> , 2006, 52, 445-459.	8.1	691
11	Arc/Arg3.1 Mediates Homeostatic Synaptic Scaling of AMPA Receptors. <i>Neuron</i> , 2006, 52, 475-484.	8.1	684
12	Homer Regulates the Association of Group 1 Metabotropic Glutamate Receptors with Multivalent Complexes of Homer-Related, Synaptic Proteins. <i>Neuron</i> , 1998, 21, 707-716.	8.1	599
13	SOAR and the polybasic STIM1 domains gate and regulate Orai channels. <i>Nature Cell Biology</i> , 2009, 11, 337-343.	10.3	594
14	STIM1 carboxyl-terminus activates native SOC, Icrac and TRPC1 channels. <i>Nature Cell Biology</i> , 2006, 8, 1003-1010.	10.3	583
15	A huntingtin-associated protein enriched in brain with implications for pathology. <i>Nature</i> , 1995, 378, 398-402.	27.8	578
16	The Angelman Syndrome Protein Ube3A Regulates Synapse Development by Ubiquitinating Arc. <i>Cell</i> , 2010, 140, 704-716.	28.9	554
17	Synphilin-1 associates with α -synuclein and promotes the formation of cytosolic inclusions. <i>Nature Genetics</i> , 1999, 22, 110-114.	21.4	473
18	Homer Binds TRPC Family Channels and Is Required for Gating of TRPC1 by IP3 Receptors. <i>Cell</i> , 2003, 114, 777-789.	28.9	473

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19	Elongation Factor 2 and Fragile X Mental Retardation Protein Control the Dynamic Translation of Arc/Arg3.1 Essential for mGluR-LTD. <i>Neuron</i> , 2008, 59, 70-83.	8.1	471
20	STIM1 heteromultimerizes TRPC channels to determine their function as store-operated channels. <i>Nature Cell Biology</i> , 2007, 9, 636-645.	10.3	453
21	Synaptic Clustering of AMPA Receptors by the Extracellular Immediate-Early Gene Product Narp. <i>Neuron</i> , 1999, 23, 309-323.	8.1	419
22	Homer1a drives homeostatic scaling-down of excitatory synapses during sleep. <i>Science</i> , 2017, 355, 511-515.	12.6	398
23	Homer: a link between neural activity and glutamate receptor function. <i>Current Opinion in Neurobiology</i> , 2000, 10, 370-374.	4.2	391
24	Spatial Exploration-Induced Arc mRNA and Protein Expression: Evidence for Selective, Network-Specific Reactivation. <i>Journal of Neuroscience</i> , 2005, 25, 1761-1768.	3.6	327
25	STIM1 Gates TRPC Channels, but Not Orai1, by Electrostatic Interaction. <i>Molecular Cell</i> , 2008, 32, 439-448.	9.7	287
26	Experience-Dependent Coincident Expression of the Effector Immediate-Early Genes <i>Arc</i> and <i>Homer 1a</i> in Hippocampal and Neocortical Neuronal Networks. <i>Journal of Neuroscience</i> , 2002, 22, 10067-10071.	3.6	272
27	Inverse Synaptic Tagging of Inactive Synapses via Dynamic Interaction of Arc/Arg3.1 with CaMKII β . <i>Cell</i> , 2012, 149, 886-898.	28.9	269
28	Narp regulates homeostatic scaling of excitatory synapses on parvalbumin-expressing interneurons. <i>Nature Neuroscience</i> , 2010, 13, 1090-1097.	14.8	243
29	Inhibition of Dendritic Spine Morphogenesis and Synaptic Transmission by Activity-Inducible Protein Homer1a. <i>Journal of Neuroscience</i> , 2003, 23, 6327-6337.	3.6	232
30	Repeated Cocaine Administration Attenuates Group I Metabotropic Glutamate Receptor-Mediated Glutamate Release and Behavioral Activation: A Potential Role for Homer. <i>Journal of Neuroscience</i> , 2001, 21, 9043-9052.	3.6	229
31	Homeostatic Scaling Requires Group I mGluR Activation Mediated by Homer1a. <i>Neuron</i> , 2010, 68, 1128-1142.	8.1	227
32	Homer Proteins Regulate Sensitivity to Cocaine. <i>Neuron</i> , 2004, 43, 401-413.	8.1	226
33	Disrupted Homer scaffolds mediate abnormal mGluR5 function in a mouse model of fragile X syndrome. <i>Nature Neuroscience</i> , 2012, 15, 431-440.	14.8	225
34	Narp and NP1 Form Heterocomplexes that Function in Developmental and Activity-Dependent Synaptic Plasticity. <i>Neuron</i> , 2003, 39, 513-528.	8.1	217
35	Dendritic and Axonal Targeting of Type 5 Metabotropic Glutamate Receptor Is Regulated by Homer1 Proteins and Neuronal Excitation. <i>Journal of Neuroscience</i> , 2000, 20, 8710-8716.	3.6	215
36	TRPC channels as STIM1-regulated store-operated channels. <i>Cell Calcium</i> , 2007, 42, 205-211.	2.4	207

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37	Homer 1b Regulates the Trafficking of Group I Metabotropic Glutamate Receptors. <i>Journal of Biological Chemistry</i> , 1999, 274, 25953-25957.	3.4	196
38	D1Dopamine Receptor Activation of Multiple Transcription Factor Genes in Rat Striatum. <i>Journal of Neurochemistry</i> , 1992, 58, 1420-1426.	3.9	193
39	Rapid Rise in Transcription Factor mRNAs in Rat Brain After Electroshock-Induced Seizures. <i>Journal of Neurochemistry</i> , 1990, 55, 1920-1927.	3.9	190
40	Homer Proteins Regulate Coupling of Group I Metabotropic Glutamate Receptors to N-Type Calcium and M-Type Potassium Channels. <i>Journal of Neuroscience</i> , 2000, 20, 7238-7245.	3.6	183
41	Arc/Arg3.1 Regulates an Endosomal Pathway Essential for Activity-Dependent β -Amyloid Generation. <i>Cell</i> , 2011, 147, 615-628.	28.9	183
42	Synaptic Activity-Induced Conversion of Intronic to Exonic Sequence in Homer 1 Immediate Early Gene Expression. <i>Journal of Neuroscience</i> , 2002, 22, 167-175.	3.6	177
43	Arc-dependent synapse-specific homeostatic plasticity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 816-821.	7.1	165
44	Structure of the Homer EVH1 Domain-Peptide Complex Reveals a New Twist in Polyproline Recognition. <i>Neuron</i> , 2000, 26, 143-154.	8.1	162
45	Homer proteins: implications for neuropsychiatric disorders. <i>Current Opinion in Neurobiology</i> , 2006, 16, 251-257.	4.2	159
46	Interaction of the N-Terminal Domain of the AMPA Receptor GluR4 Subunit with the Neuronal Pentraxin NP1 Mediates GluR4 Synaptic Recruitment. <i>Neuron</i> , 2007, 55, 87-102.	8.1	159
47	Recent behavioral history modifies coupling between cell activity and Arc gene transcription in hippocampal CA1 neurons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 1077-1082.	7.1	155
48	Pentraxins Coordinate Excitatory Synapse Maturation and Circuit Integration of Parvalbumin Interneurons. <i>Neuron</i> , 2015, 85, 1257-1272.	8.1	154
49	Homer2 Is Necessary for EtOH-Induced Neuroplasticity. <i>Journal of Neuroscience</i> , 2005, 25, 7054-7061.	3.6	148
50	NPTX2 and cognitive dysfunction in Alzheimer's Disease. <i>ELife</i> , 2017, 6, .	6.0	146
51	Structural Basis of Arc Binding to Synaptic Proteins: Implications for Cognitive Disease. <i>Neuron</i> , 2015, 86, 490-500.	8.1	144
52	Synaptically Targeted Narp Plays an Essential Role in the Aggregation of AMPA Receptors at Excitatory Synapses in Cultured Spinal Neurons. <i>Journal of Neuroscience</i> , 2002, 22, 4487-4498.	3.6	140
53	Native Store-operated Ca ²⁺ Influx Requires the Channel Function of Orai1 and TRPC1. <i>Journal of Biological Chemistry</i> , 2009, 284, 9733-9741.	3.4	139
54	Homer-Dependent Cell Surface Expression of Metabotropic Glutamate Receptor Type 5 in Neurons. <i>Molecular and Cellular Neurosciences</i> , 2002, 20, 323-329.	2.2	137

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55	Homer Regulates Gain of Ryanodine Receptor Type 1 Channel Complex. <i>Journal of Biological Chemistry</i> , 2002, 277, 44722-44730.	3.4	131
56	Molecular determinants of fast Ca ²⁺ -dependent inactivation and gating of the Orai channels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 14687-14692.	7.1	129
57	A typology of longitudinal integrated clerkships. <i>Medical Education</i> , 2016, 50, 922-932.	2.1	129
58	Orai1-Mediated Antimicrobial Secretion from Pancreatic Acini Shapes the Gut Microbiome and Regulates Gut Innate Immunity. <i>Cell Metabolism</i> , 2017, 25, 635-646.	16.2	127
59	An endoplasmic reticulum/plasma membrane junction: STIM1/Orai1/TRPCs. <i>FEBS Letters</i> , 2010, 584, 2022-2027.	2.8	125
60	Homer proteins in Ca ²⁺ signaling by excitable and non-excitable cells. <i>Cell Calcium</i> , 2007, 42, 363-371.	2.4	121
61	Cerebellar associative sensory learning defects in five mouse autism models. <i>ELife</i> , 2015, 4, e06085.	6.0	120
62	Rheb1 Is Required for mTORC1 and Myelination in Postnatal Brain Development. <i>Developmental Cell</i> , 2011, 20, 97-108.	7.0	119
63	TRPC channels as STIM1-regulated SOCs. <i>Channels</i> , 2009, 3, 221-225.	2.8	118
64	Homer as Both a Scaffold and Transduction Molecule. <i>Science Signaling</i> , 2002, 2002, re8-re8.	3.6	115
65	Beyond receptors: Multiple second-messenger systems in brain. <i>Annals of Neurology</i> , 1987, 21, 217-229.	5.3	109
66	Homer 1 Mediates Store- and Inositol 1,4,5-Trisphosphate Receptor-dependent Translocation and Retrieval of TRPC3 to the Plasma Membrane. <i>Journal of Biological Chemistry</i> , 2006, 281, 32540-32549.	3.4	108
67	Obligatory Role for the Immediate Early Gene NARP in Critical Period Plasticity. <i>Neuron</i> , 2013, 79, 335-346.	8.1	107
68	mGluR1/5-Dependent Long-Term Depression Requires the Regulated Ectodomain Cleavage of Neuronal Pentraxin NPR by TACE. <i>Neuron</i> , 2008, 57, 858-871.	8.1	106
69	Opiates increase the number of hypocretin-producing cells in human and mouse brain and reverse cataplexy in a mouse model of narcolepsy. <i>Science Translational Medicine</i> , 2018, 10, .	12.4	90
70	Vocational career paths of graduate entry medical students at Flinders University: a comparison of rural, remote and tertiary tracks. <i>Medical Journal of Australia</i> , 2008, 188, 177-178.	1.7	87
71	Homer 2 tunes G protein-coupled receptors stimulus intensity by regulating RGS proteins and PLC ^β GAP activities. <i>Journal of Cell Biology</i> , 2003, 162, 293-303.	5.2	84
72	Selective Alteration of Long-Term Potentiation-Induced Transcriptional Response in Hippocampus of Aged, Memory-Impaired Rats. <i>Journal of Neuroscience</i> , 1997, 17, 2876-2885.	3.6	82

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73	Preso1 dynamically regulates group I metabotropic glutamate receptors. <i>Nature Neuroscience</i> , 2012, 15, 836-844.	14.8	79
74	Synaptic biomarkers in CSF aid in diagnosis, correlate with cognition and predict progression in MCI and Alzheimer's disease. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2019, 5, 871-882.	3.7	79
75	STIM1-dependent and STIM1-independent Function of Transient Receptor Potential Canonical (TRPC) Channels Tunes Their Store-operated Mode. <i>Journal of Biological Chemistry</i> , 2010, 285, 38666-38673.	3.4	75
76	SRF binding to SRE 6.9 in the Arc promoter is essential for LTD in cultured Purkinje cells. <i>Nature Neuroscience</i> , 2010, 13, 1082-1089.	14.8	72
77	STIM1 Regulates Somatic Ca ²⁺ Signals and Intrinsic Firing Properties of Cerebellar Purkinje Neurons. <i>Journal of Neuroscience</i> , 2017, 37, 8876-8894.	3.6	68
78	Differences between Dorsal and Ventral Striatum in Drd1a Dopamine Receptor Coupling of Dopamine- and cAMP-Regulated Phosphoprotein-32 to Activation of Extracellular Signal-Regulated Kinase. <i>Journal of Neuroscience</i> , 2008, 28, 7113-7120.	3.6	67
79	Binge Alcohol Drinking by Mice Requires Intact Group1 Metabotropic Glutamate Receptor Signaling Within the Central Nucleus of the Amygdale. <i>Neuropsychopharmacology</i> , 2014, 39, 435-444.	5.4	67
80	Electroconvulsive Treatment Induces a Rapid and Transient Increase in Tyrosine Phosphorylation of a 40-Kilodalton Protein Associated with Microtubule-Associated Protein 2 Kinase Activity. <i>Journal of Neurochemistry</i> , 1991, 56, 147-152.	3.9	65
81	The scaffold protein, Homer1b/c, regulates axon pathfinding in the central nervous system in vivo. <i>Nature Neuroscience</i> , 2001, 4, 499-506.	14.8	64
82	Metabotropic Glutamate Receptors Induce a Form of LTP Controlled by Translation and Arc Signaling in the Hippocampus. <i>Journal of Neuroscience</i> , 2016, 36, 1723-1729.	3.6	62
83	Cellular Compartment Analysis of Temporal Activity by Fluorescence In Situ Hybridization (catFISH). <i>Current Protocols in Neuroscience</i> , 2001, 15, 1.8.1-1.8.16.	2.6	61
84	A Prolyl-Isomerase Mediates Dopamine-Dependent Plasticity and Cocaine Motor Sensitization. <i>Cell</i> , 2013, 154, 637-650.	28.9	61
85	Oligodendrocyte Precursor Cell-Intrinsic Effect of Rheb1 Controls Differentiation and Mediates mTORC1-Dependent Myelination in Brain. <i>Journal of Neuroscience</i> , 2014, 34, 15764-15778.	3.6	61
86	Glutamate receptor targeting in the postsynaptic spine involves mechanisms that are independent of myosin Va. <i>European Journal of Neuroscience</i> , 2001, 13, 1722-1732.	2.6	58
87	Real-Time Imaging Reveals Properties of Glutamate-Induced Arc/Arg 3.1 Translation in Neuronal Dendrites. <i>Neuron</i> , 2016, 91, 561-573.	8.1	57
88	Neuronal pentraxin 2: a synapse-derived CSF biomarker in genetic frontotemporal dementia. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2020, 91, 612-621.	1.9	55
89	Selective Disruption of Metabotropic Glutamate Receptor 5-Homer Interactions Mimics Phenotypes of Fragile X Syndrome in Mice. <i>Journal of Neuroscience</i> , 2016, 36, 2131-2147.	3.6	54
90	Developmental and Activity-Dependent Expression of LanCL1 Confers Antioxidant Activity Required for Neuronal Survival. <i>Developmental Cell</i> , 2014, 30, 479-487.	7.0	53

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91	Neuronal muscarinic responses: role of protein kinase C. <i>FASEB Journal</i> , 1988, 2, 2575-2583.	0.5	51
92	Symbiosis: a new model for clinical education. <i>Clinical Teacher</i> , 2007, 4, 209-212.	0.8	51
93	TRIAD3/RNF216 mutations associated with Gordon Holmes syndrome lead to synaptic and cognitive impairments via Arc misregulation. <i>Aging Cell</i> , 2017, 16, 281-292.	6.7	48
94	Identification of novel cerebrospinal fluid biomarker candidates for dementia with Lewy bodies: a proteomic approach. <i>Molecular Neurodegeneration</i> , 2020, 15, 36.	10.8	46
95	Ca ²⁺ Signaling in Microdomains. <i>Journal of Biological Chemistry</i> , 2007, 282, 14283-14290.	3.4	45
96	Rheb Inhibits Protein Synthesis by Activating the PERK-eIF2 γ Signaling Cascade. <i>Cell Reports</i> , 2015, 10, 684-693.	6.4	43
97	Vitamin D increases glucocorticoid efficacy via inhibition of mTORC1 in experimental models of multiple sclerosis. <i>Acta Neuropathologica</i> , 2019, 138, 443-456.	7.7	41
98	Gene Expression Analyses Identify Narp Contribution in the Development of l-DOPA-Induced Dyskinesia. <i>Journal of Neuroscience</i> , 2015, 35, 96-111.	3.6	39
99	Protein Kinase C Epsilon Activity in the Nucleus Accumbens and Central Nucleus of the Amygdala Mediates Binge Alcohol Consumption. <i>Biological Psychiatry</i> , 2016, 79, 443-451.	1.3	33
100	LanCL1 promotes motor neuron survival and extends the lifespan of amyotrophic lateral sclerosis mice. <i>Cell Death and Differentiation</i> , 2020, 27, 1369-1382.	11.2	32
101	Reduced superoxide dismutase-1 (SOD1) in cerebrospinal fluid of patients with early psychosis in association with clinical features. <i>Schizophrenia Research</i> , 2017, 183, 64-69.	2.0	31
102	Arc Oligomerization Is Regulated by CaMKII Phosphorylation of the GAG Domain: An Essential Mechanism for Plasticity and Memory Formation. <i>Molecular Cell</i> , 2019, 75, 13-25.e5.	9.7	31
103	Nerve injury-induced changes in Homer/glutamate receptor signaling contribute to the development and maintenance of neuropathic pain. <i>Pain</i> , 2013, 154, 1932-1945.	4.2	30
104	Definition of a Bidirectional Activity-Dependent Pathway Involving BDNF and Narp. <i>Cell Reports</i> , 2015, 13, 1747-1756.	6.4	30
105	mTORC1 loss impairs epidermal adhesion via TGF- β /Rho kinase activation. <i>Journal of Clinical Investigation</i> , 2017, 127, 4001-4017.	8.2	30
106	Homer 1a and mGluR5 phosphorylation in reward-sensitive metaplasticity: A hypothesis of neuronal selection and bidirectional synaptic plasticity. <i>Brain Research</i> , 2015, 1628, 17-28.	2.2	27
107	Input-Specific Metaplasticity in the Visual Cortex Requires Homer1a-Mediated mGluR5 Signaling. <i>Neuron</i> , 2019, 104, 736-748.e6.	8.1	25
108	Increased Alcohol-Drinking Induced by Manipulations of mGlu5 Phosphorylation within the Bed Nucleus of the Stria Terminalis. <i>Journal of Neuroscience</i> , 2019, 39, 2745-2761.	3.6	25

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109	Evidence for a Relationship between Group 1 mGluR Hypofunction and Increased Cocaine and Ethanol Sensitivity in Homer2 Null Mutant Mice. <i>Annals of the New York Academy of Sciences</i> , 2003, 1003, 468-471.	3.8	23
110	Rheb mediates neuronal-activity-induced mitochondrial energetics through mTORC1-independent PDH activation. <i>Developmental Cell</i> , 2021, 56, 811-825.e6.	7.0	23
111	Resting-State Functional Connectivity Is Associated With Cerebrospinal Fluid Levels of the Synaptic Protein NPTX2 in Non-demented Older Adults. <i>Frontiers in Aging Neuroscience</i> , 2019, 11, 132.	3.4	22
112	Cerebrospinal fluid profile of NPTX2 supports role of Alzheimer's disease-related inhibitory circuit dysfunction in adults with Down syndrome. <i>Molecular Neurodegeneration</i> , 2020, 15, 46.	10.8	21
113	FRMPD4 mutations cause X-linked intellectual disability and disrupt dendritic spine morphogenesis. <i>Human Molecular Genetics</i> , 2018, 27, 589-600.	2.9	20
114	Regulation of SSAT expression by synaptic activity. <i>European Journal of Neuroscience</i> , 2001, 13, 1459-1463.	2.6	19
115	Homer2 gene deletion in mice produces a phenotype similar to chronic cocaine treated rats. <i>Neurotoxicity Research</i> , 2004, 6, 385-387.	2.7	19
116	Sensitivity to isoflurane anesthesia increases in autism spectrum disorder Shank3 +/Δ ^{tc} mutant mouse model. <i>Neurotoxicology and Teratology</i> , 2017, 60, 69-74.	2.4	18
117	Transient Upregulation of Postsynaptic IP ₃ -Gated Ca Release Underlies Short-Term Potentiation of Metabotropic Glutamate Receptor 1 Signaling in Cerebellar Purkinje Cells. <i>Journal of Neuroscience</i> , 2008, 28, 4350-4355.	3.6	17
118	Distinct roles of Rheb and Raptor in activating mTOR complex 1 for the self-renewal of hematopoietic stem cells. <i>Biochemical and Biophysical Research Communications</i> , 2018, 495, 1129-1135.	2.1	17
119	A biomarker-authenticated model of schizophrenia implicating NPTX2 loss of function. <i>Science Advances</i> , 2021, 7, eabf6935.	10.3	17
120	Narp Mediates Antidepressant-Like Effects of Electroconvulsive Seizures. <i>Neuropsychopharmacology</i> , 2018, 43, 1088-1098.	5.4	16
121	Delayed Degradation and Impaired Dendritic Delivery of Intron-Lacking EGFP-Arc/Arg3.1 mRNA in EGFP-Arc Transgenic Mice. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 435.	2.9	16
122	Pathologically Decreased CSF Levels of Synaptic Marker NPTX2 in DLB Are Correlated with Levels of Alpha-Synuclein and VGF. <i>Cells</i> , 2021, 10, 38.	4.1	16
123	Altered NMDA receptor function in primary cultures of hippocampal neurons from mice lacking the Homer2 gene. <i>Synapse</i> , 2016, 70, 33-39.	1.2	15
124	Behavioral and Neurochemical Phenotyping of Mice Incapable of Homer1a Induction. <i>Frontiers in Behavioral Neuroscience</i> , 2017, 11, 208.	2.0	15
125	Resolving macrophage polarization through distinct Ca ²⁺ entry channel that maintains intracellular signaling and mitochondrial bioenergetics. <i>IScience</i> , 2021, 24, 103339.	4.1	15
126	Exposure to complex environments results in more sparse representations of space in the hippocampus. <i>Hippocampus</i> , 2017, 27, 1178-1191.	1.9	14

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127	Persistent Rheb-induced mTORC1 activation in spinal cord neurons induces hypersensitivity in neuropathic pain. <i>Cell Death and Disease</i> , 2020, 11, 747.	6.3	14
128	Cardiomyocyte-Specific Deletion of Orai1 Reveals Its Protective Role in Angiotensin-II-Induced Pathological Cardiac Remodeling. <i>Cells</i> , 2020, 9, 1092.	4.1	13
129	Direct translation of climbing fiber burst-mediated sensory coding into post-synaptic Purkinje cell dendritic calcium. <i>ELife</i> , 2020, 9, .	6.0	11
130	Norepinephrine stimulation of adenylate cyclase potentiates protein kinase C action: Electrophysiological studies in the dentate gyrus. <i>Synapse</i> , 1988, 2, 614-618.	1.2	9
131	Rheb1 mediates DISC1-dependent regulation of new neuron development in the adult hippocampus. <i>Neurogenesis (Austin, Tex)</i> , 2015, 2, e1081715.	1.5	9
132	Homer1a Is Required for Establishment of Contralateral Bias and Maintenance of Ocular Dominance in Mouse Visual Cortex. <i>Journal of Neuroscience</i> , 2019, 39, 3897-3905.	3.6	9
133	All-or-none disconnection of pyramidal inputs onto parvalbumin-positive interneurons gates ocular dominance plasticity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	9
134	Neural activity and immediate early gene expression in the cerebral cortex. <i>Mental Retardation and Developmental Disabilities Research Reviews</i> , 1999, 5, 41-50.	3.6	8
135	Clinical and Diagnostic Significance of Homer1 in hepatitis B virus-induced Hepatocellular Carcinoma. <i>Journal of Cancer</i> , 2018, 9, 683-689.	2.5	8
136	Persistent Activity of Metabotropic Glutamate Receptor 5 in the Periaqueductal Gray Constrains Emergence of Chronic Neuropathic Pain. <i>Current Biology</i> , 2020, 30, 4631-4642.e6.	3.9	8
137	Persistently Elevated mTOR Complex 1-S6 Kinase 1 Disrupts DARPP-32-Dependent D1 Dopamine Receptor Signaling and Behaviors. <i>Biological Psychiatry</i> , 2021, 89, 1058-1072.	1.3	8
138	CYFIP1 Dosages Exhibit Divergent Behavioral Impact via Diametric Regulation of NMDA Receptor Complex Translation in Mouse Models of Psychiatric Disorders. <i>Biological Psychiatry</i> , 2022, 92, 815-826.	1.3	8
139	Homer1a regulates Shank3 expression and underlies behavioral vulnerability to stress in a model of Phelan-McDermid syndrome. <i>Cell Reports</i> , 2021, 37, 110014.	6.4	8
140	Increased Sparsity of Hippocampal CA1 Neuronal Ensembles in a Mouse Model of Down Syndrome Assayed by Arc Expression. <i>Frontiers in Neural Circuits</i> , 2017, 11, 6.	2.8	7
141	Neuronal pentraxin 2 is required for facilitating excitatory synaptic inputs onto spinal neurons involved in pruriceptive transmission in a model of chronic itch. <i>Nature Communications</i> , 2022, 13, 2367.	12.8	7
142	VAMP-2 is a surrogate cerebrospinal fluid marker of Alzheimer-related cognitive impairment in adults with Down syndrome. <i>Alzheimer's Research and Therapy</i> , 2021, 13, 119.	6.2	6
143	Identification of a Torpedohomolog of Sam68 that interacts with the synapse organizing protein rapsyn. <i>FEBS Letters</i> , 1998, 437, 29-33.	2.8	5
144	GATOR2 complex-mediated amino acid signaling regulates brain myelination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	5

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145	Disabling phosphorylation at the homer ligand of the metabotropic glutamate receptor 5 alleviates complete Freund's adjuvant-induced inflammatory pain. <i>Neuropharmacology</i> , 2020, 170, 108046.	4.1	4
146	The function of the calcium channel Orai1 in osteoclast development. <i>FASEB Journal</i> , 2021, 35, e21653.	0.5	4
147	Dynamic Regulation of Homer Binding to Group I Metabotropic Glutamate Receptors by Preso1 and Converging Kinase Cascades. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2017, 361, 122-129.	2.5	3
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