Joshua A Weiner

List of Publications by Year
in descending order

65 papers	5,967 citations	126907 33 h-index	144013 57 g-index
100 all docs	100 docs citations	100 times ranked	5749 citing authors

#	Article	IF	Citations
1	Requirement for the <i>lp</i> _{A1} lysophosphatidic acid receptor gene in normal suckling behavior. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 13384-13389.	7.1	458
2	LYSOPHOSPHOLIPIDRECEPTORS. Annual Review of Pharmacology and Toxicology, 2001, 41, 507-534.	9.4	347
3	Synaptic adhesion molecules. Current Opinion in Cell Biology, 2003, 15, 621-632.	5.4	323
4	Sidekicks. Cell, 2002, 110, 649-660.	28.9	313
5	Identification of a Novel Protein Kinase A Anchoring Protein That Binds Both Type I and Type II Regulatory Subunits. Journal of Biological Chemistry, 1997, 272, 8057-8064.	3.4	256
6	Gamma Protocadherins Are Required for Survival of Spinal Interneurons. Neuron, 2002, 36, 843-854.	8.1	251
7	Schwann cell survival mediated by the signaling phospholipid lysophosphatidic acid. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 5233-5238.	7.1	232
8	Combinatorial homophilic interaction between Î³-protocadherin multimers greatly expands the molecular diversity of cell adhesion. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 14893-14898.	7.1	218
9	Programmed cell death is a universal feature of embryonic and postnatal neuroproliferative regions throughout the central nervous system. , 1998, 396, 39-50.		215
10	D-AKAP2, a novel protein kinase A anchoring protein with a putative RGSâ€‰domain. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 11184-11189.	7.1	212
11	Gamma protocadherins are required for synaptic development in the spinal cord. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 8-14.	7.1	204
12	Control of CNS Synapse Development by Î³-Protocadherin-Mediated Astrocyteâ€"Neuron Contact. Journal of Neuroscience, 2009, 29, 11723-11731.	3.6	177
13	Lysophosphatidic acid receptor genevzg-1/lpA1/edg-2 is expressed by mature oligodendrocytes during myelination in the postnatal murine brain. Journal of Comparative Neurology, 1998, 398, 587-598.	1.6	172
14	Cell Adhesion Molecules in Synapse Formation. Journal of Neuroscience, 2004, 24, 9244-9249.	3.6	164
15	Lysophosphatidic Acid (LPA) Is a Novel Extracellular Regulator of Cortical Neuroblast Morphology. Developmental Biology, 2000, 228, 6-18.	2.0	157
16	Regulation of Schwann Cell Morphology and Adhesion by Receptor-Mediated Lysophosphatidic Acid Signaling. Journal of Neuroscience, 2001, 21, 7069-7078.	3.6	155
17	Î³-Protocadherins Control Cortical Dendrite Arborization by Regulating the Activity of a FAK/PKC/MARCKS Signaling Pathway. Neuron, 2012, 74, 269-276.	8.1	155
18	Novel Dendritic Kinesin Sorting Identified by Different Process Targeting of Two Related Kinesins: KIF21A and KIF21B. Journal of Cell Biology, 1999, 145, 469-479.	5.2	150

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19	Comparative analysis of three murine G-protein coupled receptors activated by sphingosine-1-phosphate. Gene, 1999, 227, 89-99.	2.2	135
20	Lysophosphatidic Acid Influences the Morphology and Motility of Young, Postmitotic Cortical Neurons. Molecular and Cellular Neurosciences, 2002, 20, 271-282.	2.2	134
21	A differential developmental pattern of spinal interneuron apoptosis during synaptogenesis: insights from genetic analyses of the protocadherin-Î³ gene cluster. Development (Cambridge), 2008, 135, 4153-4164.	2.5	105
22	Regulation of neural circuit formation by protocadherins. Cellular and Molecular Life Sciences, 2017, 74, 4133-4157.	5.4	104
23	Axon fasciculation defects and retinal dysplasias in mice lacking the immunoglobulin superfamily adhesion molecule BEN/ALCAM/SC1. Molecular and Cellular Neurosciences, 2004, 27, 59-69.	2.2	100
24	Homophilic Protocadherin Cell-Cell Interactions Promote Dendrite Complexity. Cell Reports, 2016, 15, 1037-1050.	6.4	90
25	Lysophosphatidic Acid Stimulates Neurotransmitter-Like Conductance Changes that Precede GABA and l-Glutamate in Early, Presumptive Cortical Neuroblasts. Journal of Neuroscience, 1999, 19, 1371-1381.	3.6	75
26	Protocadherins branch out: Multiple roles in dendrite development. Cell Adhesion and Migration, 2015, 9, 214-226.	2.7	66
27	Î³-Protocadherins Interact with Neuroligin-1 and Negatively Regulate Dendritic Spine Morphogenesis. Cell Reports, 2017, 18, 2702-2714.	6.4	65
28	Labeled lines in the retinotectal system: Markers for retinorecipient sublaminae and the retinal ganglion cell subsets that innervate them. Molecular and Cellular Neurosciences, 2006, 33, 296-310.	2.2	61
29	Molecular Control of Spinal Accessory Motor Neuron/Axon Development in the Mouse Spinal Cord. Journal of Neuroscience, 2005, 25, 10119-10130.	3.6	55
30	Protocadherins, not prototypical: a complex tale of their interactions, expression, and functions. Frontiers in Molecular Neuroscience, 2013, 6, 4.	2.9	54
31	ALCAM (CD166) is involved in extravasation of monocytes rather than T cells across the bloodâ€“brain barrier. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 2894-2909.	4.3	53
32	Direct and Indirect Regulation of Spinal Cord Ia Afferent Terminal Formation by the Î³-Protocadherins. Frontiers in Molecular Neuroscience, 2011, 4, 54.	2.9	47
33	ALCAM Regulates Mediolateral Retinotopic Mapping in the Superior Colliculus. Journal of Neuroscience, 2009, 29, 15630-15641.	3.6	46
34	Png-1, a nervous system-specific zinc finger gene, identifies regions containing postmitotic neurons during mammalian embryonic development. , 1997, 381, 130-142.		43
35	Neurobiology of Receptorâ€Mediated Lysophospholipid Signaling: From the First Lysophospholipid Receptor to Roles in Nervous System Function and Development. Annals of the New York Academy of Sciences, 2000, 905, 110-117.	3.8	43
36	Protein Kinase C Phosphorylation of a Î³-Protocadherin C-terminal Lipid Binding Domain Regulates Focal Adhesion Kinase Inhibition and Dendrite Arborization. Journal of Biological Chemistry, 2015, 290, 20674-20686.	3.4	42

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37	An abrupt developmental shift in callosal modulation of sleep-related spindle bursts coincides with the emergence of excitatory-inhibitory balance and a reduction of somatosensory cortical plasticity.. Behavioral Neuroscience, 2010, 124, 600-611.	1.2	36
38	CRISPR/Cas9 interrogation of the mouse Pcdhg gene cluster reveals a crucial isoform-specific role for Pcdhgc4. PLoS Genetics, 2019, 15, e1008554.	3.5	36
39	The Î³-Protocadherin-C3 isoform inhibits canonical Wnt signalling by binding to and stabilizing Axin1 at the membrane. Scientific Reports, 2016, 6, 31665.	3.3	34
40	Serotonin signaling by maternal neurons upon stress ensures progeny survival. ELife, 2020, 9, .	6.0	33
41	Developmental changes in microglial mobilization are independent of apoptosis in the neonatal mouse hippocampus. Brain, Behavior, and Immunity, 2016, 55, 49-59.	4.1	30
42	Molecular heterogeneity in the choroid plexus epithelium: the 22â€member Î³â€protocadherin family is differentially expressed, apically localized, and implicated in CSF regulation. Journal of Neurochemistry, 2012, 120, 913-927.	3.9	29
43	ALCAM Regulates Motility, Invasiveness, and Adherens Junction Formation in Uveal Melanoma Cells. PLoS ONE, 2012, 7, e39330.	2.5	29
44	Distinct retinohypothalamic innervation patterns predict the developmental emergence of speciesâ€typical circadian phase preference in nocturnal Norway rats and diurnal nile grass rats. Journal of Comparative Neurology, 2012, 520, 3277-3292.	1.6	27
45	The Role of Synaptic Cell Adhesion Molecules and Associated Scaffolding Proteins in Social Affiliative Behaviors. Biological Psychiatry, 2020, 88, 442-451.	1.3	27
46	Development of Twitching in Sleeping Infant Mice Depends on Sensory Experience. Current Biology, 2015, 25, 656-662.	3.9	26
47	Regulation of Wnt signaling by protocadherins. Seminars in Cell and Developmental Biology, 2017, 69, 158-171.	5.0	24
48	Phr1 regulates retinogeniculate targeting independent of activity and ephrin-A signalling. Molecular and Cellular Neurosciences, 2009, 41, 304-312.	2.2	23
49	The Î³-Protocadherins Interact Physically and Functionally with Neuroligin-2 to Negatively Regulate Inhibitory Synapse Density and Are Required for Normal Social Interaction. Molecular Neurobiology, 2021, 58, 2574-2589.	4.0	21
50	An essential role for the nuclear protein Akirin2 in mouse limb interdigital tissue regression. Scientific Reports, 2018, 8, 12240.	3.3	19
51	Essential role for ALCAM gene silencing in megakaryocytic differentiation of K562 cells. BMC Molecular Biology, 2010, 11, 91.	3.0	17
52	Akirin proteins in development and disease: critical roles and mechanisms of action. Cellular and Molecular Life Sciences, 2020, 77, 4237-4254.	5.4	16
53	Akirin2 is essential for the formation of the cerebral cortex. Neural Development, 2016, 11, 21.	2.4	15
54	A putative ariadne-like E3 ubiquitin ligase (PAUL) that interacts with the muscle-specific kinase (MuSK). Gene Expression Patterns, 2004, 4, 77-84.	0.8	14

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55	Introduction to mechanisms of neural circuit formation. Frontiers in Molecular Neuroscience, 2013, 6, 12.	2.9	7
56	A critical role for the nuclear protein Akirin2 in the formation of mammalian muscle in vivo. Genesis, 2019, 57, e23286.	1.6	7
57	Protocadherins and Synapse Development. , 2006, , 137-150.		4
58	Lysophosphatidic acid receptor gene vzg1lpA1edg2 is expressed by mature oligodendrocytes during myelination in the postnatal murine brain. Journal of Comparative Neurology, 1998, 398, 587-598.	1.6	3
59	The Cadherin Superfamily in Synapse Formation and Function. , 2009, , 159-183.		3
60	Clustered Protocadherins. , 2016, , 195-221.		3
61	p53-mediated neurodegeneration in the absence of the nuclear protein Akirin2. IScience, 2022, 25, 103814.	4.1	3
62	Protocadherins and other atypical cadherins. Seminars in Cell and Developmental Biology, 2017, 69, 69.	5.0	1
63	Title is missing!. , 2019, 15, e1008554.		0
64	Title is missing!. , 2019, 15, e1008554.		0
65	Title is missing!. , 2019, 15, e1008554.		0