Richard J Weinberg

List of Publications by Year
in descending order

44 papers	4,893 citations	201674 27 h-index	265206 42 g-index
45 all docs	45 docs citations	45 times ranked	6323 citing authors

#	Article	IF	Citations
1	Synaptic dysfunction and abnormal behaviors in mice lacking major isoforms of Shank3. Human Molecular Genetics, 2011, 20, 3093-3108.	2.9	510
2	A Î² ₂ Adrenergic Receptor Signaling Complex Assembled with the Ca ²⁺ Channel Ca _v 1.2. Science, 2001, 293, 98-101.	12.6	489
3	Contacts between the endoplasmic reticulum and other membranes in neurons. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E4859-E4867.	7.1	378
4	Ube3a is required for experience-dependent maturation of the neocortex. Nature Neuroscience, 2009, 12, 777-783.	14.8	307
5	NADPH diaphorase in the spinal cord of rats. Journal of Comparative Neurology, 1992, 321, 209-222.	1.6	296
6	Altered mGluR5-Homer scaffolds and corticostriatal connectivity in a Shank3 complete knockout model of autism. Nature Communications, 2016, 7, 11459.	12.8	292
7	Identification of an elaborate complex mediating postsynaptic inhibition. Science, 2016, 353, 1123-1129.	12.6	277
8	Enhanced FIB-SEM systems for large-volume 3D imaging. ELife, 2017, 6, .	6.0	273
9	Laminar Organization of the NMDA Receptor Complex within the Postsynaptic Density. Journal of Neuroscience, 2001, 21, 1211-1217.	3.6	269
10	Neurons in rat hippocampus that synthesize nitric oxide. Journal of Comparative Neurology, 1993, 331, 111-121.	1.6	215
11	Perineuronal Nets Suppress Plasticity of Excitatory Synapses on CA2 Pyramidal Neurons. Journal of Neuroscience, 2016, 36, 6312-6320.	3.6	170
12	Maternal Loss of Ube3a Produces an Excitatory/Inhibitory Imbalance through Neuron Type-Specific Synaptic Defects. Neuron, 2012, 74, 793-800.	8.1	165
13	GABAergic Neuron-Specific Loss of Ube3a Causes Angelman Syndrome-Like EEG Abnormalities and Enhances Seizure Susceptibility. Neuron, 2016, 90, 56-69.	8.1	127
14	Mapping Synapses by Conjugate Light-Electron Array Tomography. Journal of Neuroscience, 2015, 35, 5792-5807.	3.6	115
15	Spine pruning drives antipsychotic-sensitive locomotion via circuit control of striatal dopamine. Nature Neuroscience, 2015, 18, 883-891.	14.8	113
16	SAP97 concentrates at the postsynaptic density in cerebral cortex. European Journal of Neuroscience, 2000, 12, 3605-3614.	2.6	92
17	The Postsynaptic Density: There Is More than Meets the Eye. Frontiers in Synaptic Neuroscience, 2016, 8, 23.	2.5	81
18	Amino acid immunocytochemistry of primary afferent terminals in the rat dorsal horn. Journal of Comparative Neurology, 1994, 346, 237-252.	1.6	69

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19	Substance P and nitric oxide signaling in cerebral cortex: Anatomical evidence for reciprocal signaling between two classes of interneurons. Journal of Comparative Neurology, 2001, 441, 288-301.	1.6	61
20	Amino acid immunoreactivity in corticospinal terminals. Experimental Brain Research, 1993, 93, 95-103.	1.5	58
21	Deficiency of Shank2 causes mania-like behavior that responds to mood stabilizers. JCI Insight, 2017, 2, .	5.0	53
22	Expression of NR2 receptor subunit in rat somatic sensory cortex: Synaptic distribution and colocalization with NR1 and PSD-95. Journal of Comparative Neurology, 1999, 410, 599-611.	1.6	52
23	TRIM9-dependent ubiquitination of DCC constrains kinase signaling, exocytosis, and axon branching. Molecular Biology of the Cell, 2017, 28, 2374-2385.	2.1	40
24	Subcellular organization of UBE3A in neurons. Journal of Comparative Neurology, 2017, 525, 233-251.	1.6	35
25	Distinctive Structural and Molecular Features of Myelinated Inhibitory Axons in Human Neocortex. ENeuro, 2018, 5, ENEURO.0297-18.2018.	1.9	35
26	The organization of <scp>AMPA</scp> receptor subunits at the postsynaptic membrane. Hippocampus, 2015, 25, 798-812.	1.9	34
27	Brainstem projections to the rat cuneate nucleus. Journal of Comparative Neurology, 1989, 282, 142-156.	1.6	33
28	Single fiber studies of ascending input to the cuneate nucleus of cats: I. Morphometry of primary afferent fibers. Journal of Comparative Neurology, 1990, 300, 113-133.	1.6	30
29	Decreased Axon Caliber Underlies Loss of Fiber Tract Integrity, Disproportional Reductions in White Matter Volume, and Microcephaly in Angelman Syndrome Model Mice. Journal of Neuroscience, 2017, 37, 7347-7361.	3.6	30
30	Subcellular organization of UBE3A in human cerebral cortex. Molecular Autism, 2018, 9, 54.	4.9	30
31	Neurocan Inhibits Semaphorin 3F Induced Dendritic Spine Remodeling Through NrCAM in Cortical Neurons. Frontiers in Cellular Neuroscience, 2018, 12, 346.	3.7	28
32	Knowing a synapse when you see one. Frontiers in Neuroanatomy, 2015, 9, 100.	1.7	27
33	Immunohistochemical localization of nitric oxide synthase and soluble guanylyl cyclase in the ventral cochlear nucleus of the rat. Journal of Comparative Neurology, 2001, 431, 1-10.	1.6	23
34	Organization of TNIK in dendritic spines. Journal of Comparative Neurology, 2015, 523, 1913-1924.	1.6	20
35	Cadherin-10 Maintains Excitatory/Inhibitory Ratio through Interactions with Synaptic Proteins. Journal of Neuroscience, 2017, 37, 11127-11139.	3.6	17
36	Probabilistic fluorescence-based synapse detection. PLoS Computational Biology, 2017, 13, e1005493.	3.2	14

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37	Single fiber studies of ascending input to the cuneate nucleus of cats: II. Postsynaptic afferents. Journal of Comparative Neurology, 1990, 300, 134-152.	1.6	10
38	A Computational Synaptic Antibody Characterization Tool for Array Tomography. Frontiers in Neuroanatomy, 2018, 12, 51.	1.7	8
39	Pterin interactions with distinct reductase activities of NO synthase. Biochemical Journal, 2001, 356, 43-51.	3.7	7
40	A synapse census for the ages. Science, 2020, 369, 253-254.	12.6	2
41	Expression of NR2 receptor subunit in rat somatic sensory cortex: Synaptic distribution and colocalization with NR1 and PSDâ€95. Journal of Comparative Neurology, 1999, 410, 599-611.	1.6	2
42	Subcellular organization of UBE3A in neurons. Journal of Comparative Neurology, 2017, 525, spc1.	1.6	1
43	Cellular and subcellular localization of the neuronâ€specific plasma membrane calcium ATPase PMCA1a in the rat brain. Journal of Comparative Neurology, 2010, 518, spc1.	1.6	0
44	C6-O-02Mapping Synapses by Conjugate Light-Electron Array Tomography. Microscopy (Oxford,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4	1.5	0