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	A synapse census for the ages. Science, 2020, 369, 253-254.	12.6	2
2	Subcellular organization of UBE3A in human cerebral cortex. Molecular Autism, 2018, 9, 54.	4.9	30
3	Neurocan Inhibits Semaphorin 3F Induced Dendritic Spine Remodeling Through NrCAM in Cortical Neurons. Frontiers in Cellular Neuroscience, 2018, 12, 346.	3.7	28
4	A Computational Synaptic Antibody Characterization Tool for Array Tomography. Frontiers in Neuroanatomy, 2018, 12, 51.	1.7	8
5	Distinctive Structural and Molecular Features of Myelinated Inhibitory Axons in Human Neocortex. ENeuro, 2018, 5, ENEURO.0297-18.2018.	1.9	35
6	Subcellular organization of UBE3A in neurons. Journal of Comparative Neurology, 2017, 525, 233-251.	1.6	35
7	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
8	Cadherin-10 Maintains Excitatory/Inhibitory Ratio through Interactions with Synaptic Proteins. Journal of Neuroscience, 2017, 37, 11127-11139.	3.6	17
9	TRIM9-dependent ubiquitination of DCC constrains kinase signaling, exocytosis, and axon branching. Molecular Biology of the Cell, 2017, 28, 2374-2385.	2.1	40
10	Subcellular organization of UBE3A in neurons. Journal of Comparative Neurology, 2017, 525, spc1.	1.6	1
11	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
12	Enhanced FIB-SEM systems for large-volume 3D imaging. ELife, 2017, 6, .	6.0	273
13	Deficiency of Shank2 causes mania-like behavior that responds to mood stabilizers. JCI Insight, 2017, 2, .	5.0	53
14	Probabilistic fluorescence-based synapse detection. PLoS Computational Biology, 2017, 13, e1005493.	3.2	14
15	The Postsynaptic Density: There Is More than Meets the Eye. Frontiers in Synaptic Neuroscience, 2016, 8, 23.	2.5	81
16	GABAergic Neuron-Specific Loss of Ube3a Causes Angelman Syndrome-Like EEG Abnormalities and Enhances Seizure Susceptibility. Neuron, 2016, 90, 56-69.	8.1	127
17	Identification of an elaborate complex mediating postsynaptic inhibition. Science, 2016, 353, 1123-1129.	12.6	277
18	Altered mGluR5-Homer scaffolds and corticostriatal connectivity in a Shank3 complete knockout model of autism. Nature Communications, 2016, 7, 11459.	12.8	292

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19	Perineuronal Nets Suppress Plasticity of Excitatory Synapses on CA2 Pyramidal Neurons. Journal of Neuroscience, 2016, 36, 6312-6320.	3.6	170
20	C6-O-02Mapping Synapses by Conjugate Light-Electron Array Tomography. Microscopy (Oxford,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7	1.5	0
21	Organization of TNIK in dendritic spines. Journal of Comparative Neurology, 2015, 523, 1913-1924.	1.6	20
22	Knowing a synapse when you see one. Frontiers in Neuroanatomy, 2015, 9, 100.	1.7	27
23	The organization of <scp>AMPA</scp> receptor subunits at the postsynaptic membrane. Hippocampus, 2015, 25, 798-812.	1.9	34
24	Spine pruning drives antipsychotic-sensitive locomotion via circuit control of striatal dopamine. Nature Neuroscience, 2015, 18, 883-891.	14.8	113
25	Mapping Synapses by Conjugate Light-Electron Array Tomography. Journal of Neuroscience, 2015, 35, 5792-5807.	3.6	115
26	Maternal Loss of Ube3a Produces an Excitatory/Inhibitory Imbalance through Neuron Type-Specific Synaptic Defects. Neuron, 2012, 74, 793-800.	8.1	165
27	Synaptic dysfunction and abnormal behaviors in mice lacking major isoforms of Shank3. Human Molecular Genetics, 2011, 20, 3093-3108.	2.9	510
28	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
29	Ube3a is required for experience-dependent maturation of the neocortex. Nature Neuroscience, 2009, 12, 777-783.	14.8	307
30	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
31	Laminar Organization of the NMDA Receptor Complex within the Postsynaptic Density. Journal of Neuroscience, 2001, 21, 1211-1217.	3.6	269
32	Pterin interactions with distinct reductase activities of NO synthase. Biochemical Journal, 2001, 356, 43-51.	3.7	7
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	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
35	SAP97 concentrates at the postsynaptic density in cerebral cortex. European Journal of Neuroscience, 2000, 12, 3605-3614.	2.6	92
36	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

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37	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
38	Amino acid immunocytochemistry of primary afferent terminals in the rat dorsal horn. Journal of Comparative Neurology, 1994, 346, 237-252.	1.6	69
39	Neurons in rat hippocampus that synthesize nitric oxide. Journal of Comparative Neurology, 1993, 331, 111-121.	1.6	215
40	Amino acid immunoreactivity in corticospinal terminals. Experimental Brain Research, 1993, 93, 95-103.	1.5	58
41	NADPH diaphorase in the spinal cord of rats. Journal of Comparative Neurology, 1992, 321, 209-222.	1.6	296
42	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
43	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
44	Brainstem projections to the rat cuneate nucleus. Journal of Comparative Neurology, 1989, 282, 142-156.	1.6	33