A Kimberley Mcallister

List of Publications by Year
in descending order

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61 papers	9,453 citations	101384 36 h-index	133063 59 g-index
70 all docs	70 docs citations	70 times ranked	10092 citing authors

#	Article	IF	Citations
1	NEUROTROPHINS AND SYNAPTIC PLASTICITY. Annual Review of Neuroscience, 1999, 22, 295-318.	5.0	1,219
2	Neurotrophins regulate dendritic growth in developing visual cortex. Neuron, 1995, 15, 791-803.	3.8	930
3	Maternal immune activation: Implications for neuropsychiatric disorders. Science, 2016, 353, 772-777.	6.0	848
4	Psychedelics Promote Structural and Functional Neural Plasticity. Cell Reports, 2018, 23, 3170-3182.	2.9	566
5	Opposing Roles for Endogenous BDNF and NT-3 in Regulating Cortical Dendritic Growth. Neuron, 1997, 18, 767-778.	3.8	537
6	Neurotrophin Regulation of Cortical Dendritic Growth Requires Activity. Neuron, 1996, 17, 1057-1064.	3.8	506
7	Immune mediators in the brain and peripheral tissues in autism spectrum disorder. Nature Reviews Neuroscience, 2015, 16, 469-486.	4.9	393
8	Cellular and Molecular Mechanisms of Dendrite Growth. Cerebral Cortex, 2000, 10, 963-973.	1.6	335
9	Dynamic Aspects of CNS Synapse Formation. Annual Review of Neuroscience, 2007, 30, 425-450.	5.0	314
10	Maternal immune activation causes age- and region-specific changes in brain cytokines in offspring throughout development. Brain, Behavior, and Immunity, 2013, 31, 54-68.	2.0	297
11	Rapid recruitment of NMDA receptor transport packets to nascent synapses. Nature Neuroscience, 2002, 5, 751-759.	7.1	242
12	Neuronal transfection in brain slices using particle-mediated gene transfer. Neuron, 1994, 13, 1263-1268.	3.8	228
13	Nonsaturation of AMPA and NMDA receptors at hippocampal synapses. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 6173-6178.	3.3	193
14	Maternal immune activation: reporting guidelines to improve the rigor, reproducibility, and transparency of the model. Neuropsychopharmacology, 2019, 44, 245-258.	2.8	180
15	Novel roles for immune molecules in neural development: implications for neurodevelopmental disorders. Frontiers in Synaptic Neuroscience, 2010, 2, 136.	1.3	175
16	MHCI negatively regulates synapse density during the establishment of cortical connections. Nature Neuroscience, 2011, 14, 442-451.	7.1	163
17	Techniques for gene transfer into neurons. Current Opinion in Neurobiology, 2002, 12, 566-573.	2.0	160
18	Major histocompatibility complex class I proteins in brain development and plasticity. Trends in Neurosciences, 2012, 35, 660-670.	4.2	155

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19	Neurotrophins and neuronal differentiation in the central nervous system. Cellular and Molecular Life Sciences, 2001, 58, 1054-1060.	2.4	150
20	Cycling of NMDA Receptors during Trafficking in Neurons before Synapse Formation. Journal of Neuroscience, 2004, 24, 8253-8264.	1.7	144
21	Major Histocompatibility Complex I in Brain Development and Schizophrenia. Biological Psychiatry, 2014, 75, 262-268.	0.7	105
22	Cytokine alterations in first-episode schizophrenia and bipolar disorder: relationships to brain structure and symptoms. Journal of Neuroinflammation, 2018, 15, 165.	3.1	104
23	Estradiol Targets Synaptic Proteins to Induce Glutamatergic Synapse Formation in Cultured Hippocampal Neurons: Critical Role of Estrogen Receptor-Â. Journal of Neuroscience, 2007, 27, 6903-6913.	1.7	101
24	Formation of Presynaptic Terminals at Predefined Sites along Axons. Journal of Neuroscience, 2006, 26, 10813-10825.	1.7	100
25	Immunocytochemistry and quantification of protein colocalization in cultured neurons. Nature Protocols, 2006, 1, 1287-1296.	5.5	97
26	MHC class I molecules are present both pre- and postsynaptically in the visual cortex during postnatal development and in adulthood. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 16999-17004.	3.3	96
27	Mobility and cycling of synaptic proteinâ€“containing vesicles in axonal growth cone filopodia. Nature Neuroscience, 2003, 6, 1264-1269.	7.1	94
28	Neuroligin1: a cell adhesion molecule that recruits PSD-95 and NMDA receptors by distinct mechanisms during synaptogenesis. Neural Development, 2009, 4, 17.	1.1	93
29	Alterations in Immune Cells and Mediators in the Brain: It's Not Always Neuroinflammation!. Brain Pathology, 2014, 24, 623-630.	2.1	90
30	The Dynamic Distribution of TrkB Receptors before, during, and after Synapse Formation between Cortical Neurons. Journal of Neuroscience, 2006, 26, 11487-11500.	1.7	80
31	Preliminary evidence of neuropathology in nonhuman primates prenatally exposed to maternal immune activation. Brain, Behavior, and Immunity, 2015, 48, 139-146.	2.0	75
32	MHCI Requires MEF2 Transcription Factors to Negatively Regulate Synapse Density during Development and in Disease. Journal of Neuroscience, 2013, 33, 13791-13804.	1.7	73
33	Subplate neurons: A missing link among neurotrophins, activity, and ocular dominance plasticity?. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 13600-13602.	3.3	60
34	Breaking Boundaries in Neural-Immune Interactions. Neuron, 2009, 64, 9-12.	3.8	57
35	The major histocompatibility complex and autism spectrum disorder. Developmental Neurobiology, 2012, 72, 1288-1301.	1.5	57
36	Biolistic Transfection of Neurons. Science Signaling, 2000, 2000, pl1-pl1.	1.6	48

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37	Baseline immunoreactivity before pregnancy and poly(I:C) dose combine to dictate susceptibility and resilience of offspring to maternal immune activation. Brain, Behavior, and Immunity, 2020, 88, 619-630.	2.0	36
38	Preliminary evidence of increased striatal dopamine in a nonhuman primate model of maternal immune activation. Translational Psychiatry, 2019, 9, 135.	2.4	32
39	Maternal Immune Activation during Pregnancy Alters Postnatal Brain Growth and Cognitive Development in Nonhuman Primate Offspring. Journal of Neuroscience, 2021, 41, 9971-9987.	1.7	29
40	Maternal T _H 17 cells take a toll on baby's brain. Science, 2016, 351, 919-920.	6.0	28
41	Spatially Restricted Actions of BDNF. Neuron, 2002, 36, 549-550.	3.8	27
42	Conserved Cues for Axon and Dendrite Growth in the Developing Cortex. Neuron, 2002, 33, 2-4.	3.8	26
43	Neurotrophins and Cortical Development. Results and Problems in Cell Differentiation, 2002, 39, 89-112.	0.2	24
44	Alterations in Retrotransposition, Synaptic Connectivity, and Myelination Implicated by Transcriptomic Changes Following Maternal Immune Activation in Nonhuman Primates. Biological Psychiatry, 2021, 89, 896-910.	0.7	21
45	Seeing the Light: Insulin Receptors and the CNS. Neuron, 2008, 58, 653-655.	3.8	17
46	Immunoglobulin-Like Receptors and Their Impact on Wiring of Brain Synapses. Annual Review of Genetics, 2018, 52, 567-590.	3.2	17
47	Sequential perturbations to mouse corticogenesis following in utero maternal immune activation. ELife, 2021, 10, .	2.8	17
48	Immune Contributions to Cause and Effect in Autism Spectrum Disorder. Biological Psychiatry, 2017, 81, 380-382.	0.7	16
49	Biolistic Transfection of Cultured Organotypic Brain Slices. , 2004, 245, 197-206.		15
50	Increased excitation-inhibition balance and loss of GABAergic synapses in the serine racemase knockout model of NMDA receptor hypofunction. Journal of Neurophysiology, 2021, 126, 11-27.	0.9	13
51	Neurotrophins and visual cortical plasticity. Progress in Brain Research, 2002, 138, 39-51.	0.9	10
52	Introduction to special issue on neuroimmunology in brain development and disease. Developmental Neurobiology, 2012, 72, 1269-1271.	1.5	9
53	Molecular composition of developing glutamatergic synapses. , 2020, , 3-32.		8
54	New approaches to quantify social development in rhesus macaques (Macaca mulatta): Integrating eye tracking with traditional assessments of social behavior. Developmental Psychobiology, 2020, 62, 950-962.	0.9	7

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55	BDNF. Current Biology, 2002, 12, R310.	1.8	6
56	Brain, Immunity, Gut: â€œBIGâ€•Links between Pregnancy and Autism. Immunity, 2017, 47, 816-819.	6.6	4
57	Neuronal and glial cell biology. Current Opinion in Neurobiology, 2005, 15, 497-499.	2.0	3
58	Protecting Connections from Synapse Elimination. Trends in Neurosciences, 2020, 43, 841-842.	4.2	3
59	Depressed from deprivation? Look to the molecules.... Nature Neuroscience, 2003, 6, 787-788.	7.1	2
60	Neuroligins help dendrites keep up with the Joneses. Nature Neuroscience, 2012, 15, 1609-1611.	7.1	2
61	The Role of Neurotrophins and Activity in Regulating Cortical Dendritic Growth. Developmental Neuropsychology, 1999, 16, 335-337.	1.0	0