

Alexandre E Medina

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

40
papers

1,008
citations

17
h-index

31
g-index

43
ext. papers

1,153
ext. citations

5.9
avg, IF

4.42
L-index

#	Paper	IF	Citations
40	Astrocytes Assemble Thalamocortical Synapses by Bridging NRX1 and NL1 via Hevin. <i>Cell</i> , 2016 , 164, 183-196	56.2	169
39	Synaptic dysfunction in the hippocampus accompanies learning and memory deficits in human immunodeficiency virus type-1 Tat transgenic mice. <i>Biological Psychiatry</i> , 2013 , 73, 443-53	7.9	114
38	Restoration of neuronal plasticity by a phosphodiesterase type 1 inhibitor in a model of fetal alcohol exposure. <i>Journal of Neuroscience</i> , 2006 , 26, 1057-60	6.6	55
37	Vinpocetine as a potent antiinflammatory agent. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 9921-2	11.5	51
36	Fetal alcohol spectrum disorders and abnormal neuronal plasticity. <i>Neuroscientist</i> , 2011 , 17, 274-87	7.6	50
35	Recovery of cortical binocularity and orientation selectivity after the critical period for ocular dominance plasticity. <i>Journal of Neurophysiology</i> , 2004 , 92, 2113-21	3.2	50
34	Therapeutic utility of phosphodiesterase type I inhibitors in neurological conditions. <i>Frontiers in Neuroscience</i> , 2011 , 5, 21	5.1	49
33	Neonatal alcohol exposure induces long-lasting impairment of visual cortical plasticity in ferrets. <i>Journal of Neuroscience</i> , 2003 , 23, 10002-12	6.6	43
32	Early alcohol exposure induces persistent alteration of cortical columnar organization and reduced orientation selectivity in the visual cortex. <i>Journal of Neurophysiology</i> , 2005 , 93, 1317-25	3.2	43
31	Phosphodiesterase type 1 inhibition improves learning in rats exposed to alcohol during the third trimester equivalent of human gestation. <i>Neuroscience Letters</i> , 2010 , 473, 202-7	3.3	40
30	Sex differences in sensitivity to seizures elicited by pentylentetrazol in mice. <i>Pharmacology Biochemistry and Behavior</i> , 2001 , 68, 591-6	3.9	33
29	Protein synthesis-independent plasticity mediates rapid and precise recovery of deprived eye responses. <i>Neuron</i> , 2005 , 48, 329-43	13.9	31
28	Effect of Postmortem Interval and Years in Storage on RNA Quality of Tissue at a Repository of the NIH NeuroBioBank. <i>Biopreservation and Biobanking</i> , 2018 , 16, 148-157	2.1	27
27	Phosphodiesterase inhibition increases CREB phosphorylation and restores orientation selectivity in a model of fetal alcohol spectrum disorders. <i>PLoS ONE</i> , 2009 , 4, e6643	3.7	26
26	Neocortical plasticity deficits in fetal alcohol spectrum disorders: lessons from barrel and visual cortex. <i>Journal of Neuroscience Research</i> , 2008 , 86, 256-63	4.4	26
25	Overexpression of serum response factor restores ocular dominance plasticity in a model of fetal alcohol spectrum disorders. <i>Journal of Neuroscience</i> , 2010 , 30, 2513-20	6.6	23
24	Early alcohol exposure impairs ocular dominance plasticity throughout the critical period. <i>Developmental Brain Research</i> , 2005 , 157, 107-11		21

23	The Role of CREB, SRF, and MEF2 in Activity-Dependent Neuronal Plasticity in the Visual Cortex. <i>Journal of Neuroscience</i> , 2017 , 37, 6628-6637	6.6	16
22	Developmental alcohol exposure leads to a persistent change on astrocyte secretome. <i>Journal of Neurochemistry</i> , 2016 , 137, 730-43	6	16
21	Early alcohol exposure disrupts visual cortex plasticity in mice. <i>International Journal of Developmental Neuroscience</i> , 2012 , 30, 351-7	2.7	14
20	Do NMDA receptor kinetics regulate the end of critical periods of plasticity?. <i>Neuron</i> , 2001 , 32, 553-5	13.9	14
19	Cortical multisensory connectivity is present near birth in humans. <i>Brain Imaging and Behavior</i> , 2017 , 11, 1207-1213	4.1	10
18	Early valproic acid exposure alters functional organization in the primary visual cortex. <i>Experimental Neurology</i> , 2011 , 228, 138-48	5.7	10
17	Effects of Developmental Alcohol Exposure on Potentiation and Depression of Visual Cortex Responses. <i>Alcoholism: Clinical and Experimental Research</i> , 2015 , 39, 1434-42	3.7	9
16	Sodium valproate exposure during the brain growth spurt transiently impairs spatial learning in prepubertal rats. <i>Pharmacology Biochemistry and Behavior</i> , 2013 , 103, 684-91	3.9	8
15	The effects of callosal agenesis on the susceptibility to seizures elicited by pentylentetrazol in BALB/cCF mice. <i>Pharmacology Biochemistry and Behavior</i> , 2002 , 71, 97-102	3.9	7
14	Structural and Functional Integrity of the Intraparietal Sulcus in Moderate and Severe Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2017 , 34, 1473-1481	5.4	6
13	Activation of NMDA receptors is necessary for the recovery of cortical binocularity. <i>Journal of Neurophysiology</i> , 2010 , 103, 2700-6	3.2	6
12	Sex differences in the incidence of total callosal agenesis in BALB/cCF mice. <i>Neuroscience Letters</i> , 2002 , 325, 159-62	3.3	6
11	The potential effects of NICU environment and multisensory stimulation in prematurity. <i>Pediatric Research</i> , 2020 , 88, 161-162	3.2	5
10	Effects of Early Alcohol Exposure on Functional Organization and Microstructure of a Visual-Tactile Integrative Circuit. <i>Alcoholism: Clinical and Experimental Research</i> , 2018 , 42, 727-734	3.7	5
9	Overexpression of Serum Response Factor in Neurons Restores Ocular Dominance Plasticity in a Model of Fetal Alcohol Spectrum Disorders. <i>Alcoholism: Clinical and Experimental Research</i> , 2015 , 39, 1951-6	3.7	5
8	Phosphodiesterase type 4 inhibition does not restore ocular dominance plasticity in a ferret model of fetal alcohol spectrum disorders. <i>Alcoholism: Clinical and Experimental Research</i> , 2010 , 34, 493-8	3.7	5
7	Hyperactivity and depression-like traits in Bax KO mice. <i>Brain Research</i> , 2015 , 1625, 246-54	3.7	4
6	Mercury, lead, and cadmium exposure via red blood cell transfusions in preterm infants. <i>Pediatric Research</i> , 2020 , 87, 677-682	3.2	4

5	Effects of developmental alcohol and valproic acid exposure on play behavior of ferrets. <i>International Journal of Developmental Neuroscience</i> , 2016 , 52, 75-81	2.7	3
4	Phosphorylation of CREB at Serine 142 and 143 Is Essential for Visual Cortex Plasticity. <i>ENeuro</i> , 2021 , 8,	3.9	1
3	Heavy metals from donor blood and breast milk products in the NICU. <i>Pediatric Research</i> , 2021 ,	3.2	1
2	Alterations in motor functional connectivity in Neonatal Hypoxic Ischemic Encephalopathy.. <i>Brain Injury</i> , 2022 , 1-8	2.1	0
1	Vinpocetine, cognition, and epilepsy. <i>Epilepsy and Behavior</i> , 2021 , 119, 107988	3.2	