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List of Publications by Year
in descending order

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43 papers	1,403 citations	361413 20 h-index	345221 36 g-index
46 all docs	46 docs citations	46 times ranked	1632 citing authors

#	Article	IF	Citations
1	The Neonatal Ventromedial Hypothalamus Transcriptome Reveals Novel Markers with Spatially Distinct Patterning. Journal of Neuroscience, 2007, 27, 13624-13634.	3.6	150
2	Early life nutrition and neural plasticity. Development and Psychopathology, 2015, 27, 411-423.	2.3	130
3	Long-Term Reduction of Hippocampal Brain-Derived Neurotrophic Factor Activity After Fetal-Neonatal Iron Deficiency in Adult Rats. Pediatric Research, 2009, 65, 493-498.	2.3	102
4	Gestational and Neonatal Iron Deficiency Alters Apical Dendrite Structure of CA1 Pyramidal Neurons in Adult Rat Hippocampus. Developmental Neuroscience, 2010, 32, 238-248.	2.0	100
5	Early-Life Iron Deficiency Anemia Alters Neurotrophic Factor Expression and Hippocampal Neuron Differentiation in Male Rats2. Journal of Nutrition, 2008, 138, 2495-2501.	2.9	76
6	BRAF V600E Mutations in High-Grade Colorectal Neuroendocrine Tumors May Predict Responsiveness to BRAFâ€“MEK Combination Therapy. Cancer Discovery, 2016, 6, 594-600.	9.4	75
7	Diminished hypothalamicbdnfexpression and impaired VMH function are associated with reduced SF-1 gene dosage. Journal of Comparative Neurology, 2006, 498, 637-648.	1.6	67
8	Fetal iron deficiency induces chromatin remodeling at the Bdnf locus in adult rat hippocampus. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2015, 308, R276-R282.	1.8	64
9	Prenatal Choline Supplementation Diminishes Early-Life Iron Deficiencyâ€“Induced Reprogramming of Molecular Networks Associated with Behavioral Abnormalities in the Adult Rat Hippocampus. Journal of Nutrition, 2016, 146, 484-493.	2.9	57
10	Gestational-neonatal iron deficiency suppresses and iron treatment reactivates IGF signaling in developing rat hippocampus. American Journal of Physiology - Endocrinology and Metabolism, 2012, 302, E316-E324.	3.5	48
11	Postnatal age influences hypoglycemia-induced neuronal injury in the rat brain. Brain Research, 2008, 1224, 119-126.	2.2	47
12	Prenatal Choline Supplementation Ameliorates the Long-Term Neurobehavioral Effects of Fetal-Neonatal Iron Deficiency in Rats. Journal of Nutrition, 2014, 144, 1858-1865.	2.9	40
13	The Effects of Early-Life Iron Deficiency on Brain Energy Metabolism. Neuroscience Insights, 2020, 15, 263310552093510.	1.6	38
14	Early-Life Neuronal-Specific Iron Deficiency Alters the Adult Mouse Hippocampal Transcriptome. Journal of Nutrition, 2018, 148, 1521-1528.	2.9	36
15	Iron as a model nutrient for understanding the nutritional origins of neuropsychiatric disease. Pediatric Research, 2019, 85, 176-182.	2.3	32
16	Fetal iron deficiency alters the proteome of adult rat hippocampal synaptosomes. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2013, 305, R1297-R1306.	1.8	30
17	Defiant: (DMRs: easy, fast, identification and ANnoTation) identifies differentially Methylated regions from iron-deficient rat hippocampus. BMC Bioinformatics, 2018, 19, 31.	2.6	29
18	Dysregulation of Neuronal Genes by Fetal-Neonatal Iron Deficiency Anemia Is Associated with Altered DNA Methylation in the Rat Hippocampus. Nutrients, 2019, 11, 1191.	4.1	29

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19	Atypical fetal development: Fetal alcohol syndrome, nutritional deprivation, teratogens, and risk for neurodevelopmental disorders and psychopathology. Development and Psychopathology, 2018, 30, 1063-1086.	2.3	24
20	Postnatal Age Influences Hypoglycemia-Induced Poly(ADP-ribose) Polymerase-1 Activation in the Brain Regions of Rats. Pediatric Research, 2009, 66, 642-647.	2.3	21
21	Sodium Depletion Increases Sympathetic Neurite Outgrowth and Expression of a Novel TMEM35 Gene-Derived Protein (TUF1) in the Rat Adrenal Zona Glomerulosa. Endocrinology, 2010, 151, 4852-4860.	2.8	19
22	Cord Blood-Derived Exosomal CNTN2 and BDNF: Potential Molecular Markers for Brain Health of Neonates at Risk for Iron Deficiency. Nutrients, 2019, 11, 2478.	4.1	19
23	Beneficial effects of postnatal choline supplementation on long-Term neurocognitive deficit resulting from fetal-Neonatal iron deficiency. Behavioural Brain Research, 2018, 336, 40-43.	2.2	17
24	Repeated morphine exposure activates synaptogenesis and other neuroplasticity-related gene networks in the dorsomedial prefrontal cortex of male and female rats. Drug and Alcohol Dependence, 2021, 221, 108598.	3.2	17
25	Multigenerational effects of fetal-neonatal iron deficiency on hippocampal BDNF signaling. Physiological Reports, 2013, 1, e00096.	1.7	15
26	Early-Life Iron Deficiency Anemia Programs the Hippocampal Epigenomic Landscape. Nutrients, 2021, 13, 3857.	4.1	14
27	Neonatal mouse hippocampus: phlebotomy-induced anemia diminishes and treatment with erythropoietin partially rescues mammalian target of rapamycin signaling. Pediatric Research, 2017, 82, 501-508.	2.3	12
28	Why Does Knocking Out NACHO, But Not RIC3, Completely Block Expression of Î±7 Nicotinic Receptors in Mouse Brain?. Biomolecules, 2020, 10, 470.	4.0	11
29	Deletion of novel protein TMEM35 alters stress-related functions and impairs long-term memory in mice. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2016, 311, R166-R178.	1.8	10
30	Evidence for a hyporesponsive limbic-hypothalamic-pituitary-adrenal axis following early-life repetitive hypoglycemia in adult male rats. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2011, 301, R484-R490.	1.8	9
31	Global transcriptome analysis of rat dorsal root ganglia to identify molecular pathways involved in incisional pain. Molecular Pain, 2020, 16, 174480692095648.	2.1	9
32	Iron Deficiency Reprograms Phosphorylation Signaling and Reduces O-GlcNAc Pathways in Neuronal Cells. Nutrients, 2021, 13, 179.	4.1	9
33	Long-Term Brain and Behavioral Consequences of Early-Life Iron Deficiency. , 2016, , 295-316.		8
34	Developmental Iron Deficiency Dysregulates TET Activity and DNA Hydroxymethylation in the Rat Hippocampus and Cerebellum. Developmental Neuroscience, 2022, 44, 80-90.	2.0	8
35	Prenatal Iron Deficiency and Choline Supplementation Interact to Epigenetically Regulate Jarid1b and Bdnf in the Rat Hippocampus into Adulthood. Nutrients, 2021, 13, 4527.	4.1	8
36	Dose- and sex-dependent effects of phlebotomy-induced anemia on the neonatal mouse hippocampal transcriptome. Pediatric Research, 2022, 92, 712-720.	2.3	7

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37	Recurrent Moderate Hypoglycemia Suppresses Brain-Derived Neurotrophic Factor Expression in the Prefrontal Cortex and Impairs Sensorimotor Gating in the Posthypoglycemic Period in Young Rats. Developmental Neuroscience, 2016, 38, 74-82.	2.0	5
38	The nAChR Chaperone TMEM35a (NACHO) Contributes to the Development of Hyperalgesia in Mice. Neuroscience, 2021, 457, 74-87.	2.3	5
39	In vitro evidence for post-insult neuroprotective activity of an evolutionarily conserved motif against excitotoxic neuronal cell death. NeuroReport, 2019, 30, 213-216.	1.2	3
40	Quantitative Proteome and Transcriptome Dynamics Analysis Reveals Iron Deficiency Response Networks and Signature in Neuronal Cells. Molecules, 2022, 27, 484.	3.8	2
41	Perinatal Ischemia Alters Global Expression of Synaptosomal Proteins Critical for Neural Plasticity in the Developing Mouse Brain. Developmental Neuroscience, 2018, 40, 638-650.	2.0	1
42	Iron-Dependent Mechanism of Neuronal Bdnf Suppression by Cellular Iron Deficiency. Current Developments in Nutrition, 2020, 4, nzaa058_036.	0.3	0
43	Nutrition and Fetal Origins of Diseases in Adults. , 0, , .		0