Tallie Z Baram

List of Publications by Year
in descending order

#	Article	IF	Citations
1	The role of inflammation in epilepsy. Nature Reviews Neurology, 2011, 7, 31-40.	4.9	1,442
2	The neuro-symphony of stress. Nature Reviews Neuroscience, 2009, 10, 459-466.	4.9	1,243
3	Early Life Programming and Neurodevelopmental Disorders. Biological Psychiatry, 2010, 68, 314-319.	0.7	791
4	A Novel Mouse Model for Acute and Long-Lasting Consequences of Early Life Stress. Endocrinology, 2008, 149, 4892-4900.	1.4	427
5	Mechanisms of Late-Onset Cognitive Decline after Early-Life Stress. Journal of Neuroscience, 2005, 25, 9328-9338.	1.7	411
6	Persistently modified h-channels after complex febrile seizures convert the seizure-induced enhancement of inhibition to hyperexcitability. Nature Medicine, 2001, 7, 331-337.	15.2	395
7	Infantile spasms: A U.S. consensus report. Epilepsia, 2010, 51, 2175-2189.	2.6	382
8	Interleukin-1Î² contributes to the generation of experimental febrile seizures. Annals of Neurology, 2005, 57, 152-155.	2.8	379
9	Stressed-out, or in (utero)?. Trends in Neurosciences, 2002, 25, 518-524.	4.2	364
10	Hippocampal Dysfunction and Cognitive Impairments Provoked by Chronic Early-Life Stress Involve Excessive Activation of CRH Receptors. Journal of Neuroscience, 2010, 30, 13005-13015.	1.7	348
11	Temporal lobe epilepsy after experimental prolonged febrile seizures: prospective analysis. Brain, 2006, 129, 911-922.	3.7	345
12	Toward Understanding How Early-Life Stress Reprograms Cognitive and Emotional Brain Networks. Neuropsychopharmacology, 2016, 41, 197-206.	2.8	339
13	Prolonged febrile seizures in the immature rat model enhance hippocampal excitability long term. Annals of Neurology, 2000, 47, 336-344.	2.8	336
14	Seizure-Induced Neuronal Injury: Vulnerability to Febrile Seizures in an Immature Rat Model. Journal of Neuroscience, 1998, 18, 4285-4294.	1.7	294
15	High-dose Corticotropin (ACTH) Versus Prednisone for Infantile Spasms: A Prospective, Randomized, Blinded Study. Pediatrics, 1996, 97, 375-379.	1.0	289
16	Febrile seizures in the developing brain result in persistent modification of neuronal excitability in limbic circuits. Nature Medicine, 1999, 5, 888-894.	15.2	286
17	Chronic early life stress induced by limited bedding and nesting (LBN) material in rodents: critical considerations of methodology, outcomes and translational potential. Stress, 2017, 20, 421-448.	0.8	263
18	Developmental Febrile Seizures Modulate Hippocampal Gene Expression of Hyperpolarization-Activated Channels in an Isoform- and Cell-Specific Manner. Journal of Neuroscience, 2002, 22, 4591-4599.	1.7	252

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19	Involvement of stress-released corticotropin-releasing hormone in the basolateral amygdala in regulating memory consolidation. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 13908-13913.	3.3	240
20	Febrile seizures: an appropriate-aged model suitable for long-term studies. Developmental Brain Research, 1997, 98, 265-270.	2.1	228
21	Epileptogenesis Provoked by Prolonged Experimental Febrile Seizures: Mechanisms and Biomarkers. Journal of Neuroscience, 2010, 30, 7484-7494.	1.7	228
22	Correlated memory defects and hippocampal dendritic spine loss after acute stress involve corticotropin-releasing hormone signaling. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 13123-13128.	3.3	226
23	Rapid Loss of Dendritic Spines after Stress Involves Derangement of Spine Dynamics by Corticotropin-Releasing Hormone. Journal of Neuroscience, 2008, 28, 2903-2911.	1.7	224
24	Mitochondrial uncoupling protein-2 protects the immature brain from excitotoxic neuronal death. Annals of Neurology, 2003, 53, 711-717.	2.8	219
25	Naturalistic rodent models of chronic earlyâ€life stress. Developmental Psychobiology, 2014, 56, 1675-1688.	0.9	219
26	The neuron-specific chromatin regulatory subunit BAF53b is necessary for synaptic plasticity and memory. Nature Neuroscience, 2013, 16, 552-561.	7.1	213
27	Neuropeptide-mediated excitability: a key triggering mechanism for seizure generation in the developing brain. Trends in Neurosciences, 1998, 21, 471-476.	4.2	209
28	New Roles for Interleukin-1 Beta in the Mechanisms of Epilepsy. Epilepsy Currents, 2007, 7, 45-50.	0.4	208
29	Fragmentation and Unpredictability of Early-Life Experience in Mental Disorders. American Journal of Psychiatry, 2012, 169, 907-915.	4.0	202
30	Altered Function of the SCN1A Voltage-gated Sodium Channel Leads to Î³-Aminobutyric Acid-ergic (GABAergic) Interneuron Abnormalities. Journal of Biological Chemistry, 2010, 285, 9823-9834.	1.6	200
31	Fever, febrile seizures and epilepsy. Trends in Neurosciences, 2007, 30, 490-496.	4.2	196
32	Immunocytochemical distribution of corticotropin-releasing hormone receptor type-1 (CRF1)-like immunoreactivity in the mouse brain: Light microscopy analysis using an antibody directed against the C-terminus. Journal of Comparative Neurology, 2000, 420, 305-323.	0.9	195
33	Hippocampal neuroplasticity induced by early-life stress: Functional and molecular aspects. Frontiers in Neuroendocrinology, 2006, 27, 180-192.	2.5	184
34	Enhanced Expression of a Specific Hyperpolarization-Activated Cyclic Nucleotide-Gated Cation Channel (HCN) in Surviving Dentate Gyrus Granule Cells of Human and Experimental Epileptic Hippocampus. Journal of Neuroscience, 2003, 23, 6826-6836.	1.7	179
35	Abnormal corticosterone regulation in an immature rat model of continuous chronic stress. Pediatric Neurology, 1996, 15, 114-119.	1.0	175
36	Corticotropin-releasing hormone is a rapid and potent convulsant in the infant rat. Developmental Brain Research, 1991, 61, 97-101.	2.1	174

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37	Sculpting the hippocampus from within: stress, spines, and CRH. Trends in Neurosciences, 2012, 35, 315-324.	4.2	167
38	Febrile seizures: Mechanisms and relationship to epilepsy. Brain and Development, 2009, 31, 366-371.	0.6	163
39	Neuronâ€restrictive silencer factorâ€mediated hyperpolarizationâ€activated cyclic nucleotide gated channelopathy in experimental temporal lobe epilepsy. Annals of Neurology, 2011, 70, 454-465.	2.8	163
40	Mossy fiber plasticity and enhanced hippocampal excitability, without hippocampal cell loss or altered neurogenesis, in an animal model of prolonged febrile seizures. Hippocampus, 2003, 13, 399-412.	0.9	160
41	Modulation of dendritic differentiation by corticotropin-releasing factor in the developing hippocampus. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 15782-15787.	3.3	157
42	Forebrain CRF₁Modulates Early-Life Stress-Programmed Cognitive Deficits. Journal of Neuroscience, 2011, 31, 13625-13634.	1.7	154
43	Early-Life Experience Reduces Excitation to Stress-Responsive Hypothalamic Neurons and Reprograms the Expression of Corticotropin-Releasing Hormone. Journal of Neuroscience, 2010, 30, 703-713.	1.7	150
44	Anhedonia Following Early-Life Adversity Involves Aberrant Interaction of Reward and Anxiety Circuits and Is Reversed by Partial Silencing of Amygdala Corticotropin-Releasing Hormone Gene. Biological Psychiatry, 2018, 83, 137-147.	0.7	146
45	Forebrain CRHR1 deficiency attenuates chronic stress-induced cognitive deficits and dendritic remodeling. Neurobiology of Disease, 2011, 42, 300-310.	2.1	138
46	Corticotropin-releasing hormone-induced seizures in infant rats originate in the amygdala. Annals of Neurology, 1992, 31, 488-494.	2.8	133
47	Novel and Transient Populations of Corticotropin-Releasing Hormone-Expressing Neurons in Developing Hippocampus Suggest Unique Functional Roles: A Quantitative Spatiotemporal Analysis. Journal of Neuroscience, 2001, 21, 7171-7181.	1.7	133
48	Exposure to unpredictable maternal sensory signals influences cognitive development across species. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 10390-10395.	3.3	131
49	Down-Regulation of Hypothalamic Corticotropin-Releasing Hormone Messenger Ribonucleic Acid (mRNA) Precedes Early-Life Experience-Induced Changes in Hippocampal Glucocorticoid Receptor mRNA**This work was supported by NIH Grants NS-28912 and NS-39307.. Endocrinology, 2001, 142, 89-97.	1.4	128
50	Corticotropin Releasing Factor mRNA Expression in the Hypothalamic Paraventricular Nucleus and the Central Nucleus of the Amygdala is Modulated by Repeated Acute Stress in the Immature Rat. Journal of Neuroendocrinology, 1998, 10, 663-669.	1.2	126
51	Corticotropin (ACTH) acts directly on amygdala neurons to down-regulate corticotropin-releasing hormone gene expression. Annals of Neurology, 2001, 49, 304-312.	2.8	123
52	The transcription factor NRSF contributes to epileptogenesis by selective repression of a subset of target genes. ELife, 2014, 3, e01267.	2.8	115
53	The multiple personalities of h-channels. Trends in Neurosciences, 2003, 26, 550-554.	4.2	114
54	The CRF1 receptor mediates the excitatory actions of corticotropin releasing factor (CRF) in the developing rat brain: in vivo evidence using a novel, selective, non-peptide CRF receptor antagonist. Brain Research, 1997, 770, 89-95.	1.1	113

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55	Formation of heteromeric hyperpolarization-activated cyclic nucleotide-gated (HCN) channels in the hippocampus is regulated by developmental seizures. Neurobiology of Disease, 2005, 19, 200-207.	2.1	113
56	Developmental profile of messenger RNA for the corticotropin-releasing hormone receptor in the rat limbic system. Developmental Brain Research, 1996, 91, 159-163.	2.1	112
57	Tuning synaptic transmission in the hippocampus by stress: the CRH system. Frontiers in Cellular Neuroscience, 2012, 6, 13.	1.8	108
58	Early-life adversity and neurological disease: age-old questions and novel answers. Nature Reviews Neurology, 2019, 15, 657-669.	4.9	108
59	Enduring, Handling-Evoked Enhancement of Hippocampal Memory Function and Glucocorticoid Receptor Expression Involves Activation of the Corticotropin-Releasing Factor Type 1 Receptor. Endocrinology, 2005, 146, 4090-4096.	1.4	107
60	Neuroplasticity of the Hypothalamic-Pituitary-Adrenal Axis Early in Life Requires Recurrent Recruitment of Stress-Regulating Brain Regions. Journal of Neuroscience, 2006, 26, 2434-2442.	1.7	106
61	Differential Regulation of the Expression of Corticotropin-Releasing Factor Receptor Type 2 (CRF2) in Hypothalamus and Amygdala of the Immature Rat by Sensory Input and Food Intake. Journal of Neuroscience, 1999, 19, 3982-3991.	1.7	105
62	Cognitive dysfunction after experimental febrile seizures. Experimental Neurology, 2009, 215, 167-177.	2.0	103
63	Emerging roles of epigenetic mechanisms in the enduring effects of early-life stress and experience on learning and memory. Neurobiology of Learning and Memory, 2011, 96, 79-88.	1.0	100
64	A predictable home environment may protect child mental health during the COVID-19 pandemic. Neurobiology of Stress, 2021, 14, 100291.	1.9	98
65	Corticotropin-releasing hormone (CRH)-containing neurons in the immature rat hippocampal formation: Light and electron microscopic features and colocalization with glutamate decarboxylase and parvalbumin. Hippocampus, 1998, 8, 231-243.	0.9	97
66	The central corticotropin releasing factor system during development and adulthood. European Journal of Pharmacology, 2008, 583, 204-214.	1.7	96
67	Augmented currents of an <i>HCN2</i> variant in patients with febrile seizure syndromes. Annals of Neurology, 2010, 67, 542-546.	2.8	96
68	Towards an integrated view of HCN channel role in epilepsy. Current Opinion in Neurobiology, 2011, 21, 873-879.	2.0	95
69	A Novel, Noninvasive, Predictive Epilepsy Biomarker with Clinical Potential. Journal of Neuroscience, 2014, 34, 8672-8684.	1.7	92
70	Serial MRI after experimental febrile seizures: Altered T2 signal without neuronal death. Annals of Neurology, 2004, 56, 709-714.	2.8	89
71	New insights into early-life stress and behavioral outcomes. Current Opinion in Behavioral Sciences, 2017, 14, 133-139.	2.0	89
72	Quantitative Analysis and Subcellular Distribution of mRNA and Protein Expression of the Hyperpolarization-Activated Cyclic Nucleotide-Gated Channels throughout Development in Rat Hippocampus. Cerebral Cortex, 2006, 17, 702-712.	1.6	88

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73	MRI uncovers disrupted hippocampal microstructure that underlies memory impairments after earlyâ€life adversity. Hippocampus, 2016, 26, 1618-1632.	0.9	88
74	Dual and Opposing Roles of MicroRNA-124 in Epilepsy Are Mediated through Inflammatory and NRSF-Dependent Gene Networks. Cell Reports, 2016, 14, 2402-2412.	2.9	88
75	Prenatal maternal mood patterns predict child temperament and adolescent mental health. Journal of Affective Disorders, 2018, 228, 83-90.	2.0	87
76	Effects of maternal and sibling deprivation on basal and stress induced hypothalamic-pituitary-adrenal components in the infant rat. Neuroscience Letters, 1995, 192, 49-52.	1.0	85
77	How do the many etiologies of West syndrome lead to excitability and seizures? The corticotropin releasing hormone excess hypothesis. Brain and Development, 2001, 23, 533-538.	0.6	85
78	Peptide-induced infant status epilepticus causes neuronal death and synaptic reorganization. NeuroReport, 1995, 6, 277-280.	0.6	84
79	Diversity of Reporter Expression Patterns in Transgenic Mouse Lines Targeting Corticotropin-Releasing Hormone-Expressing Neurons. Endocrinology, 2015, 156, 4769-4780.	1.4	84
80	Origins of Temporal Lobe Epilepsy: Febrile Seizures and Febrile Status Epilepticus. Neurotherapeutics, 2014, 11, 242-250.	2.1	83
81	Mechanisms of seizure-induced â€˜transcriptional channelopathyâ€™ of hyperpolarization-activated cyclic nucleotide gated (HCN) channels. Neurobiology of Disease, 2008, 29, 297-305.	2.1	82
82	Neurodevelopmental Optimization after Early-Life Adversity: Cross-Species Studies to Elucidate Sensitive Periods and Brain Mechanisms to Inform Early Intervention. Trends in Neurosciences, 2020, 43, 744-751.	4.2	82
83	The pathways from mother's love to baby's future. Frontiers in Behavioral Neuroscience, 2009, 3, 27.	1.0	81
84	Spatial and temporal evolution of neuronal activation, stress and injury in lithiumâ€“pilocarpine seizures in adult rats. Brain Research, 1998, 793, 61-72.	1.1	80
85	Postnatal Expression Pattern of HCN Channel Isoforms in Thalamic Neurons: Relationship to Maturation of Thalamocortical Oscillations. Journal of Neuroscience, 2009, 29, 8847-8857.	1.7	79
86	The influence of unpredictable, fragmented parental signals on the developing brain. Frontiers in Neuroendocrinology, 2019, 53, 100736.	2.5	79
87	Stress and the Developing Hippocampus: A Double-Edged Sword?. Molecular Neurobiology, 2003, 27, 121-136.	1.9	75
88	Regulated expression of HCN channels and cAMP levels shape the properties of the h current in developing rat hippocampus. European Journal of Neuroscience, 2006, 24, 94-104.	1.2	75
89	Shortâ€term modern lifeâ€like stress exacerbates AÎ²â€pathology and synapse loss in 3xTgâ€<scp>AD</scp> mice. Journal of Neurochemistry, 2015, 134, 915-926.	2.1	74
90	Plasticity of the Reward Circuitry After Early-Life Adversity: Mechanisms and Significance. Biological Psychiatry, 2020, 87, 875-884.	0.7	72

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91	Corticotropin-Releasing Hormone (CRH) Downregulates the Function of Its Receptor (CRF1) and Induces CRF1 Expression in Hippocampal and Cortical Regions of the Immature Rat Brain. Experimental Neurology, 2002, 176, 75-86.	2.0	71
92	NMDA Receptor Activation and Calpain Contribute to Disruption of Dendritic Spines by the Stress Neuropeptide CRH. Journal of Neuroscience, 2013, 33, 16945-16960.	1.7	71
93	Febrile Seizures and Mechanisms of Epileptogenesis: Insights from an Animal Model. Advances in Experimental Medicine and Biology, 2004, 548, 213-225.	0.8	69
94	Hyperpolarization activated cyclic-nucleotide gated (HCN) channels in developing neuronal networks. Progress in Neurobiology, 2008, 86, 129-140.	2.8	68
95	Ontogeny of corticotropin releasing hormone gene expression in rat hypothalamus â€" comparison with somatostatin. International Journal of Developmental Neuroscience, 1991, 9, 473-478.	0.7	67
96	Plasticity of the stress response early in life: Mechanisms and significance. Developmental Psychobiology, 2010, 52, 661-670.	0.9	66
97	Hyper-excitability and epilepsy generated by chronic early-life stress. Neurobiology of Stress, 2015, 2, 10-19.	1.9	66
98	Early-life adversity facilitates acquisition of cocaine self-administration and induces persistent anhedonia. Neurobiology of Stress, 2018, 8, 57-67.	1.9	66
99	Localization of HCN1 Channels to Presynaptic Compartments: Novel Plasticity That May Contribute to Hippocampal Maturation. Journal of Neuroscience, 2007, 27, 4697-4706.	1.7	65
100	Functional stabilization of weakened thalamic pacemaker channel regulation in rat absence epilepsy. Journal of Physiology, 2006, 575, 83-100.	1.3	64
101	Effects of a specific glucocorticoid receptor antagonist on corticotropin releasing hormone gene expression in the paraventricular nucleus of the neonatal rat. Developmental Brain Research, 1993, 73, 253-259.	2.1	63
102	Glucocorticoid Receptor mRNA Ontogeny in the Fetal and Postnatal Rat Forebrain. Molecular and Cellular Neurosciences, 1994, 5, 385-393.	1.0	63
103	Developmental seizures induced by common early-life insults: Short- and long-term effects on seizure susceptibility. Mental Retardation and Developmental Disabilities Research Reviews, 2000, 6, 253-257.	3.5	63
104	Treatment of Infantile Spasms. Journal of Child Neurology, 2011, 26, 1411-1421.	0.7	63
105	Early stress-induced impaired microglial pruning of excitatory synapses on immature CRH-expressing neurons provokes aberrant adult stress responses. Cell Reports, 2022, 38, 110600.	2.9	63
106	Selective death of hippocampal CA3 pyramidal cells with mossy fiber afferents after CRH-induced status epilepticus in infant rats. Developmental Brain Research, 1996, 91, 245-251.	2.1	62
107	ACTH Does Not Control Neonatal Seizures Induced by Administration of Exogenous Corticotropin-Releasing Hormone. Epilepsia, 1995, 36, 174-178.	2.6	61
108	Region-Specific Onset of Handling-Induced Changes in Corticotropin-Releasing Factor and Glucocorticoid Receptor Expression. Endocrinology, 2004, 145, 2702-2706.	1.4	61

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109	Trafficking and Surface Expression of Hyperpolarization-activated Cyclic Nucleotide-gated Channels in Hippocampal Neurons. Journal of Biological Chemistry, 2010, 285, 14724-14736.	1.6	61
110	Corticotropin releasing factor in neuroplasticity. Frontiers in Neuroendocrinology, 2014, 35, 171-179.	2.5	60
111	Rapid, Coordinate Inflammatory Responses after Experimental Febrile Status Epilepticus: Implications for Epileptogenesis. ENeuro, 2015, 2, ENEURO.0034-15.2015.	0.9	60
112	Differential regulation of glucocorticoid receptor messenger RNA (GR-mRNA) by maternal deprivation in immature rat hypothalamus and limbic regions. Developmental Brain Research, 1999, 114, 265-268.	2.1	59
113	Epileptogenesis after prolonged febrile seizures: Mechanisms, biomarkers and therapeutic opportunities. Neuroscience Letters, 2011, 497, 155-162.	1.0	56
114	Enduring Memory Impairments Provoked by Developmental Febrile Seizures Are Mediated by Functional and Structural Effects of Neuronal Restrictive Silencing Factor. Journal of Neuroscience, 2017, 37, 3799-3812.	1.7	55
115	Corticotropin Releasing Factor Receptor Type II (CRF2) Messenger Ribonucleic Acid Levels in the Hypothalamic Ventromedial Nucleus of the Infant Rat Are Reduced by Maternal Deprivation. Endocrinology, 1997, 138, 5048-5051.	1.4	54
116	Cortical Thinning and Neuropsychiatric Outcomes in Children Exposed to Prenatal Adversity: A Role for Placental CRH?. American Journal of Psychiatry, 2018, 175, 471-479.	4.0	53
117	Status epilepticus results in reversible neuronal injury in infant rat hippocampus: novel use of a marker. Developmental Brain Research, 1994, 77, 133-136.	2.1	52
118	Activityâ€dependent heteromerization of the hyperpolarizationâ€activated, cyclicâ€nucleotide gated (HCN) channels: role of Nâ€linked glycosylation. Journal of Neurochemistry, 2008, 105, 68-77.	2.1	52
119	Hyperpolarization-Activated Cyclic Nucleotide-Gated (HCN) Channels in Epilepsy. Cold Spring Harbor Perspectives in Medicine, 2016, 6, a022384.	2.9	52
120	Measuring novel antecedents of mental illness: the Questionnaire of Unpredictability in Childhood. Neuropsychopharmacology, 2019, 44, 876-882.	2.8	52
121	Epileptogenesis in the Developing Brain: What Can We Learn from Animal Models?. Epilepsia, 2007, 48, 2-6.	2.6	50
122	Synaptic rewiring of stress-sensitive neurons by early-life experience: A mechanism for resilience?. Neurobiology of Stress, 2015, 1, 109-115.	1.9	50
123	Novel HCN2 Mutation Contributes to Febrile Seizures by Shifting the Channel's Kinetics in a Temperature-Dependent Manner. PLoS ONE, 2013, 8, e80376.	1.1	49
124	Is neuronal death required for seizure-induced epileptogenesis in the immature brain?. Progress in Brain Research, 2002, 135, 365-375.	0.9	45
125	Converging, Synergistic Actions of Multiple Stress Hormones Mediate Enduring Memory Impairments after Acute Simultaneous Stresses. Journal of Neuroscience, 2016, 36, 11295-11307.	1.7	45
126	New viralâ€genetic mapping uncovers an enrichment of corticotropinâ€releasing hormoneâ€expressing neuronal inputs to the nucleus accumbens from stressâ€related brain regions. Journal of Comparative Neurology, 2019, 527, 2474-2487.	0.9	45

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127	Finding a better drug for epilepsy: Antiinflammatory targets. Epilepsia, 2012, 53, 1113-1118.	2.6	44
128	On the early life origins of vulnerability to opioid addiction. Molecular Psychiatry, 2021, 26, 4409-4416.	4.1	44
129	Synchronized network activity in developing rat hippocampus involves regional hyperpolarization-activated cyclic nucleotide-gated (HCN) channel function. European Journal of Neuroscience, 2005, 22, 2669-2674.	1.2	43
130	Differential Dorso-ventral Distributions of Kv4.2 and HCN Proteins Confer Distinct Integrative Properties to Hippocampal CA1 Pyramidal Cell Distal Dendrites. Journal of Biological Chemistry, 2012, 287, 17656-17661.	1.6	43
131	Inflammatory Processes, Febrile Seizures, and Subsequent Epileptogenesis. Epilepsy Currents, 2014, 14, 15-22.	0.4	43
132	Dorsoventral Differences in Intrinsic Properties in Developing CA1 Pyramidal Cells. Journal of Neuroscience, 2012, 32, 3736-3747.	1.7	42
133	Subacute sclerosing panencephalitis in an infant: Diagnostic role of viral genome analysis. Annals of Neurology, 1994, 36, 103-108.	2.8	41
134	Neuroinflammation imaging markers for epileptogenesis. Epilepsia, 2017, 58, 11-19.	2.6	41
135	Long-term neuroplasticity and functional consequences of single versus recurrent early-life seizures. Annals of Neurology, 2003, 54, 701-705.	2.8	39
136	Co-localization of corticotropin-releasing hormone with glutamate decarboxylase and calcium-binding proteins in infant rat neocortical interneurons. Experimental Brain Research, 1998, 123, 334-340.	0.7	38
137	Across continents and demographics, unpredictable maternal signals are associated with children's cognitive function. EBioMedicine, 2019, 46, 256-263.	2.7	36
138	Developmental Neurobiology of the Stress Response: Multilevel Regulation of Corticotropin-Releasing Hormone Function. Annals of the New York Academy of Sciences, 1997, 814, 252-265.	1.8	35
139	Down-Regulation of Hypothalamic Corticotropin-Releasing Hormone Messenger Ribonucleic Acid (mRNA) Precedes Early-Life Experience-Induced Changes in Hippocampal Glucocorticoid Receptor mRNA. Endocrinology, 2001, 142, 89-97.	1.4	35
140	Infantile Spasms: Hypothesis-Driven Therapy and Pilot Human Infant Experiments Using Corticotropin-Releasing Hormone Receptor Antagonists. Developmental Neuroscience, 1999, 21, 281-289.	1.0	34
141	Does Acquired Epileptogenesis in the Immature Brain Require Neuronal Death?. Epilepsy Currents, 2011, 11, 21-26.	0.4	34
142	Hyperpolarization-activated cation current Ih of dentate gyrus granule cells is upregulated in human and rat temporal lobe epilepsy. Biochemical and Biophysical Research Communications, 2012, 420, 156-160.	1.0	34
143	Short-interval amygdala kindling in neonatal rats. Developmental Brain Research, 1993, 73, 79-83.	2.1	32
144	Endogenous Neuropeptide Y Prevents Recurrence of Experimental Febrile Seizures by Increasing Seizure Threshold. Journal of Molecular Neuroscience, 2005, 25, 275-284.	1.1	32

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145	Programming of Stress-Sensitive Neurons and Circuits by Early-Life Experiences. Frontiers in Behavioral Neuroscience, 2019, 13, 30.	1.0	32
146	Cerebrospinal fluid corticotropin and cortisol are reduced in infantile spasms. Pediatric Neurology, 1995, 13, 108-110.	1.0	31
147	How Does a Neuron â€œknowâ€•to Modulate Its Epigenetic Machinery in Response to Early-Life Environment/Experience?. Frontiers in Psychiatry, 2013, 4, 89.	1.3	31
148	Aberrant Maturation of the Uncinate Fasciculus Follows Exposure to Unpredictable Patterns of Maternal Signals. Journal of Neuroscience, 2021, 41, 1242-1250.	1.7	31
149	Models for infantile spasms: An arduous journey to the holy grailâ€¦. Annals of Neurology, 2007, 61, 89-91.	2.8	30
150	Temporal Coordination of Hippocampal Neurons Reflects Cognitive Outcome Post-febrile Status Epilepticus. EBioMedicine, 2016, 7, 175-190.	2.7	30
151	Abnormal dendritic maturation of developing cortical neurons exposed to corticotropin releasing hormone (CRH): Insights into effects of prenatal adversity?. PLoS ONE, 2017, 12, e0180311.	1.1	30
152	Fetal and maternal levels of corticosterone and ACTH after pharmacological adrenalectomy. Life Sciences, 1990, 47, 485-489.	2.0	29
153	Rapid phosphorylation of the CRE binding protein precedes stress-induced activation of the corticotropin releasing hormone gene in medial parvocellular hypothalamic neurons of the immature rat. Molecular Brain Research, 2001, 96, 39-49.	2.5	29
154	Hippocampal neurogenesis is not enhanced by lifelong reduction of glucocorticoid levels. Hippocampus, 2005, 15, 491-501.	0.9	29
155	CRH gene expression in the fetal rat is not increased after pharmacological adrenalectomy. Neuroscience Letters, 1992, 142, 215-218.	1.0	28
156	Stress-Induced Transcriptional Regulation in the Developing Rat Brain Involves Increased Cyclic Adenosine 3â€²,5â€²-Monophosphate-Regulatory Element Binding Activity. Molecular Endocrinology, 1997, 11, 2016-2024.	3.7	28
157	Neurodevelopmental origins of substance use disorders: Evidence from animal models of earlyâ€life adversity and addiction. European Journal of Neuroscience, 2022, 55, 2170-2195.	1.2	28
158	Dexamethasone Attenuates Hyperexcitability Provoked by Experimental Febrile Status Epilepticus. ENeuro, 2019, 6, ENEURO.0430-19.2019.	0.9	27
159	The in vivo proconvulsant effects of corticotropin releasing hormone in the developing rat are independent of ionotropic glutamate receptor activation. Developmental Brain Research, 1998, 111, 119-128.	2.1	26
160	The Role of Sirt1 in Epileptogenesis. ENeuro, 2017, 4, ENEURO.0301-16.2017.	0.9	26
161	Unexpected Role of Physiological Estrogen in Acute Stress-Induced Memory Deficits. Journal of Neuroscience, 2021, 41, 648-662.	1.7	26
162	Principles of emotional brain circuit maturation. Science, 2022, 376, 1055-1056.	6.0	26

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163	Activation of Specific Neuronal Circuits by Corticotropin Releasing Hormone as Indicated by c-fos Expression and Glucose Metabolism. Journal of Cerebral Blood Flow and Metabolism, 2000, 20, 1414-1424.	2.4	25
164	Does Anhedonia Presage Increased Risk of Posttraumatic Stress Disorder?. Current Topics in Behavioral Neurosciences, 2018, 38, 249-265.	0.8	25
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