

Thalamic Reticular Dysfunction as a Circuit Endophenotype of Disorders

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Functional Diversity of Thalamic Reticular Subnetworks. <i>Frontiers in Systems Neuroscience</i> , 2018, 12, 41.	1.2	87
2	Prefrontal cortex modulates firing pattern in the nucleus reuniens of the midline thalamus via distinct corticothalamic pathways. <i>European Journal of Neuroscience</i> , 2018, 48, 3255-3272.	1.2	21
3	Limbic circuit connectivity and the stress response: New insights into the mammalian nociceptin peptide system. <i>Vitamins and Hormones</i> , 2019, 111, 131-145.	0.7	0
4	Neuronal Circuit-Based Computer Modeling as a Phenotypic Strategy for CNS R&D. <i>Frontiers in Neuroscience</i> , 2019, 13, 723.	1.4	3
5	Combinatorial Targeting of Distributed Forebrain Networks Reverses Noise Hypersensitivity in a Model of Autism Spectrum Disorder. <i>Neuron</i> , 2019, 104, 488-500.e11.	3.8	17
6	Thalamocortical Circuit Motifs: A General Framework. <i>Neuron</i> , 2019, 103, 762-770.	3.8	171
7	Converging Evidence for Abnormal Thalamic Oscillations in Schizophrenia. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2019, 4, 682-683.	1.1	0
8	Modulation of Burst Firing of Neurons in Nucleus Reticularis of the Thalamus by GluN2C-Containing NMDA Receptors. <i>Molecular Pharmacology</i> , 2019, 96, 193-203.	1.0	20
9	Visual hallucinations, thalamocortical physiology and Lewy body disease: A review. <i>Neuroscience and Biobehavioral Reviews</i> , 2019, 103, 337-351.	2.9	17
10	Thalamocortical Hyperconnectivity and Amygdala-Cortical Hypoconnectivity in Male Patients With Autism Spectrum Disorder. <i>Frontiers in Psychiatry</i> , 2019, 10, 252.	1.3	41
11	Increased Thalamocortical Connectivity in Schizophrenia Correlates With Sleep Spindle Deficits: Evidence for a Common Pathophysiology. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2019, 4, 706-714.	1.1	39
12	A coordinate-based meta-analysis comparing brain activation between attention deficit hyperactivity disorder and total sleep deprivation. <i>Sleep</i> , 2019, 42, .	0.6	17
13	Thalamocortical network: a core structure for integrative multimodal vestibular functions. <i>Current Opinion in Neurology</i> , 2019, 32, 154-164.	1.8	52
14	Thalamic inhibitory circuits and network activity development. <i>Brain Research</i> , 2019, 1706, 13-23.	1.1	30
15	Behavioral neuroscience of autism. <i>Neuroscience and Biobehavioral Reviews</i> , 2020, 110, 60-76.	2.9	78
16	Map2k7 Haploinsufficiency Induces Brain Imaging Endophenotypes and Behavioral Phenotypes Relevant to Schizophrenia. <i>Schizophrenia Bulletin</i> , 2020, 46, 211-223.	2.3	10
17	Ketamine Restores Thalamic-Prefrontal Cortex Functional Connectivity in a Mouse Model of Neurodevelopmental Disorder-Associated 2p16.3 Deletion. <i>Cerebral Cortex</i> , 2020, 30, 2358-2371.	1.6	12
18	Thalamic reticular nucleus in the thalamocortical loop. <i>Neuroscience Research</i> , 2020, 156, 32-40.	1.0	16

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19	Sleep Spindles: Mechanisms and Functions. <i>Physiological Reviews</i> , 2020, 100, 805-868.	13.1	347
20	Distinct subnetworks of the thalamic reticular nucleus. <i>Nature</i> , 2020, 583, 819-824.	13.7	104
21	Neuroigin 2 regulates absence seizures and behavioral arrests through GABAergic transmission within the thalamocortical circuitry. <i>Nature Communications</i> , 2020, 11, 3744.	5.8	18
22	A Thalamic Reticular Circuit for Head Direction Cell Tuning and Spatial Navigation. <i>Cell Reports</i> , 2020, 31, 107747.	2.9	30
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25	Loss of Snord116 alters cortical neuronal activity in mice: a preclinical investigation of Prader-Willi syndrome. <i>Human Molecular Genetics</i> , 2020, 29, 2051-2064.	1.4	12
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29	Circuitry Underlying Experience-Dependent Plasticity in the Mouse Visual System. <i>Neuron</i> , 2020, 106, 21-36.	3.8	124
30	<i>MECP2</i> Duplication Causes Aberrant GABA Pathways, Circuits and Behaviors in Transgenic Monkeys: Neural Mappings to Patients with Autism. <i>Journal of Neuroscience</i> , 2020, 40, 3799-3814.	1.7	29
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32	Induction of core symptoms of autism spectrum disorder by in vivo CRISPR/Cas9-based gene editing in the brain of adolescent rhesus monkeys. <i>Science Bulletin</i> , 2021, 66, 937-946.	4.3	13
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35	Lysergic acid diethylamide differentially modulates the reticular thalamus, mediodorsal thalamus, and infralimbic prefrontal cortex: An in vivo electrophysiology study in male mice. <i>Journal of Psychopharmacology</i> , 2021, 35, 469-482.	2.0	24
36	Involvement of the thalamic reticular nucleus in prepulse inhibition of acoustic startle. <i>Translational Psychiatry</i> , 2021, 11, 241.	2.4	3

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38	Feeding and Eating Disorder and Risk of Subsequent Neurodevelopmental Disorders: A Population-Based Cohort Study. <i>Frontiers in Pediatrics</i> , 2021, 9, 671631.	0.9	6
39	Targeting sleep oscillations to improve memory in schizophrenia. <i>Schizophrenia Research</i> , 2020, 221, 63-70.	1.1	26
41	Signal Propagation via Open-Loop Intrathalamic Architectures: A Computational Model. <i>ENeuro</i> , 2020, 7, ENEURO.0441-19.2020.	0.9	10
42	Thalamic reticular control of local sleep in mouse sensory cortex. <i>ELife</i> , 2018, 7, .	2.8	79
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55	The promise of low-tech intervention in a high-tech era: Remodeling pathological brain circuits using behavioral reverse engineering. <i>Neuroscience and Biobehavioral Reviews</i> , 2022, 137, 104652.	2.9	8
61	Planar cell polarity and the pathogenesis of Tourette Disorder: New hypotheses and perspectives. <i>Developmental Biology</i> , 2022, 489, 14-20.	0.9	4
62	Alterations in TRN-anterodorsal thalamocortical circuits affect sleep architecture and homeostatic processes in oxidative stress vulnerable <i>Gclm^{+/+}</i> mice. <i>Molecular Psychiatry</i> , 2022, 27, 4394-4406.	4.1	9
63	The Thalamus in Cognitive Control. , 2022, , 307-323.		3
64	A Dynamical Systems Perspective on Thalamic Circuit Function. , 2022, , 401-415.		0
65	Reproducible protocol to obtain and measure first-order relay human thalamic white-matter tracts. <i>NeuroImage</i> , 2022, 262, 119558.	2.1	8
66	Coordinated cortical thickness alterations across six neurodevelopmental and psychiatric disorders. <i>Nature Communications</i> , 2022, 13, .	5.8	31
67	Developmental trajectories of thalamic progenitors revealed by single-cell transcriptome profiling and <i>Shh</i> perturbation. <i>Cell Reports</i> , 2022, 41, 111768.	2.9	6
68	GluN2D subunit-containing NMDA receptors regulate reticular thalamic neuron function and seizure susceptibility. <i>Neurobiology of Disease</i> , 2023, 181, 106117.	2.1	0

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69	Childhood absence epilepsy patients with cognitive impairment have decreased sleep spindle density. <i>Sleep Medicine</i> , 2023, 103, 89-97.	0.8	1
70	Reversal of hyperactive higher-order thalamus attenuates defensiveness in a mouse model of PTSD. <i>Science Advances</i> , 2023, 9, .	4.7	4
71	Functional connectivity between pre-supplementary motor area and inferior parietal lobule associated with impaired motor response inhibition in first-degree relatives of patients with obsessive-compulsive disorder. <i>Cerebral Cortex</i> , 2023, 33, 7531-7539.	1.6	1
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