

Birendra Nath Mallick

List of Publications by Year in descending order

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papers

663
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516710

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docs citations

33
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#	ARTICLE	IF	CITATIONS
1	Norepinephrine-Stimulated Increase in Na ⁺ ,K ⁺ -ATPase Activity in the Rat Brain Is Mediated Through α -1A-Adrenoceptor Possibly by Dephosphorylation of the Enzyme. <i>Journal of Neurochemistry</i> , 2002, 74, 1574-1578.	3.9	56
2	Differential acute influence of medial and lateral preoptic areas on sleep-wakefulness in freely moving rats. <i>Brain Research</i> , 1990, 525, 242-248.	2.2	54
3	A Modified Method for Consistent and Reliable Golgi-Cox Staining in Significantly Reduced Time. <i>Frontiers in Neurology</i> , 2010, 1, 157.	2.4	52
4	Role of noradrenergic and GABA-ergic inputs in pedunculo pontine tegmentum for regulation of rapid eye movement sleep in rats. <i>Neuropharmacology</i> , 2006, 51, 1-11.	4.1	50
5	A Mathematical Model towards Understanding the Mechanism of Neuronal Regulation of Wake-NREMS-REMS States. <i>PLoS ONE</i> , 2012, 7, e42059.	2.5	46
6	Activation of inactivation process initiates rapid eye movement sleep. <i>Progress in Neurobiology</i> , 2012, 97, 259-276.	5.7	44
7	GABA in pedunculo pontine tegmentum regulates spontaneous rapid eye movement sleep by acting on GABAA receptors in freely moving rats. <i>Neuroscience Letters</i> , 2004, 365, 200-204.	2.1	31
8	REM sleep loss associated changes in orexin-A levels in discrete brain areas in rats. <i>Neuroscience Letters</i> , 2015, 590, 62-67.	2.1	28
9	Noradrenaline from Locus Coeruleus Neurons Acts on Pedunculo-Pontine Neurons to Prevent REM Sleep and Induces Its Loss-Associated Effects in Rats. <i>ENeuro</i> , 2016, 3, ENEURO.0108-16.2016.	1.9	27
10	Differential staining of glia and neurons by modified Golgi-Cox method. <i>Journal of Neuroscience Methods</i> , 2012, 209, 269-279.	2.5	25
11	Pathophysiology linking depression and type 2 diabetes: Psychotherapy, physical exercise, and fecal microbiome transplantation as damage control. <i>European Journal of Neuroscience</i> , 2021, 53, 2870-2900.	2.6	25
12	Association between autophagy and rapid eye movement sleep loss-associated neurodegenerative and patho-physio-behavioral changes. <i>Sleep Medicine</i> , 2019, 63, 29-37.	1.6	24
13	Protective role of noradrenaline in benzo[<i>a</i>]pyrene-induced learning impairment in developing rat. <i>Journal of Neuroscience Research</i> , 2013, 91, 1450-1462.	2.9	21
14	Noradrenaline acting on α -1-adrenoceptor mediates REM sleep deprivation-induced increased membrane potential in rat brain synaptosomes. <i>Neurochemistry International</i> , 2008, 52, 734-740.	3.8	19
15	Reciprocal changes in noradrenaline and GABA levels in discrete brain regions upon rapid eye movement sleep deprivation in rats. <i>Neurochemistry International</i> , 2017, 108, 190-198.	3.8	17
16	Rapid Eye Movement Sleep-Deprivation-Induced Changes in Glucose Metabolic Enzymes in Rat Brain. <i>Sleep</i> , 1993, , .	1.1	16
17	Long-term primary culture of neurons taken from chick embryo brain: A model to study neural cell biology, synaptogenesis and its dynamic properties. <i>Journal of Neuroscience Methods</i> , 2016, 263, 123-133.	2.5	14
18	Rapid eye movement sleep deprivation impairs neuronal plasticity and reduces hippocampal neuronal arborization in male albino rats: Noradrenaline is involved in the process. <i>Journal of Neuroscience Research</i> , 2021, 99, 1815-1834.	2.9	14

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19	Differential influence of medial and lateral preoptic areas on body temperature in conscious and unconscious rats. <i>Brain Research</i> , 1991, 566, 303-307.	2.2	13
20	Interplay of dopamine and GABA in substantia nigra for the regulation of rapid eye movement sleep in rats. <i>Behavioural Brain Research</i> , 2019, 376, 112169.	2.2	13
21	Mechanism of noradrenaline-induced stimulation of Na ⁺ -K ATPase activity in the rat brain: implications on REM sleep deprivation-induced increase in brain excitability. <i>Molecular and Cellular Biochemistry</i> , 2010, 336, 3-16.	3.1	12
22	REM sleep and its Loss-Associated Epigenetic Regulation with Reference to Noradrenaline in Particular. <i>Current Neuropharmacology</i> , 2016, 14, 28-40.	2.9	11
23	Neural mechanism of rapid eye movement sleep generation: Cessation of locus coeruleus neurons is a necessity. <i>Acta Physiologica Sinica</i> , 2005, 57, 401-13.	0.5	11
24	Rapid Eye Movement Sleep Deprivation Associated Increase in Na ⁺ -K ATPase Activity in the Rat Brain is Due to Noradrenaline Induced Î±1-Adrenoceptor Mediated Increased Î±-Subunit of the Enzyme. <i>Neurochemical Research</i> , 2015, 40, 1747-1757.	3.3	10
25	Dopaminergic- and cholinergic-inputs from substantia nigra and pedunculo-pontine tegmentum, respectively, converge in amygdala to modulate rapid eye movement sleep in rats. <i>Neuropharmacology</i> , 2021, 193, 108607.	4.1	8
26	Activation of Retinotopic Visual Areas Is Central to REM Sleep Associated Dreams: Visual Dreams and Visual Imagery Possibly Co-Emerged In Evolution. <i>Activitas Nervosa Superior</i> , 2012, 54, 10-25.	0.4	6
27	Flowerpot method for rapid eye movement sleep deprivation does not induce stress as defined by elevated serum corticosterone level in rats. <i>Neuroscience Letters</i> , 2021, 745, 135631.	2.1	6
28	Mechanism of noradrenaline-induced Î±1-adrenoceptor mediated regulation of Na ⁺ -K ATPase subunit expression in Neuro-2a cells. <i>Brain Research Bulletin</i> , 2018, 139, 157-166.	3.0	3
29	Targeting modulation of noradrenalin release in the brain for amelioration of REMS loss-associated effects. <i>Journal of Translational Internal Medicine</i> , 2015, 3, 8-16.	2.5	2
30	Editorial (Thematic Issue: Epigenetics and Neuro-behavioral Modulations). <i>Current Neuropharmacology</i> , 2016, 14, 2-2.	2.9	2
31	Noradrenergic Î±2-Adrenoceptor-Mediated Intracellular Molecular Mechanism of Na ⁺ -K ATPase Subunit Expression in C6 Cells. <i>Cellular and Molecular Neurobiology</i> , 2018, 38, 441-457.	3.3	2
32	Pedunculo-pontine tegmentum cholinergic REM-ON neurons modulate ventral tegmental neurons to modulate rapid eye movement sleep in rats. <i>Neuropharmacology</i> , 2022, 206, 108940.	4.1	1