# Birendra Nath Mallick

List of Publications by Year
in descending order

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| 32 | 663 | 516710 | 580821 |
|---|---|---|---|
| papers | citations | 16 h-index | 25 g-index |

| 33 | 33 | 33 | 633 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Pedunculo-pontine tegmentum cholinergic REM-ON neurons modulate ventral tegmental neurons to modulate rapid eye movement sleep in rats. Neuropharmacology, 2022, 206, 108940. | 4.1 | 1 |
| 2 | Flowerpot method for rapid eye movement sleep deprivation does not induce stress as defined by elevated serum corticosterone level in rats. Neuroscience Letters, 2021, 745, 135631. | 2.1 | 6 |
| 3 | Pathophysiology linking depression and type 2 diabetes: Psychotherapy, physical exercise, and fecal microbiome transplantation as damage control. European Journal of Neuroscience, 2021, 53, 2870-2900. | 2.6 | 25 |
| 4 | Rapid eye movement sleep deprivation impairs neuronal plasticity and reduces hippocampal neuronal arborization in male albino rats: Noradrenaline is involved in the process. Journal of Neuroscience Research, 2021, 99, 1815-1834. | 2.9 | 14 |
| 5 | Dopaminergic- and cholinergic-inputs from substantia nigra and pedunculo-pontine tegmentum, respectively, converge in amygdala to modulate rapid eye movement sleep in rats. Neuropharmacology, 2021, 193, 108607. | 4.1 | 8 |
| 6 | Interplay of dopamine and GABA in substantia nigra for the regulation of rapid eye movement sleep in rats. Behavioural Brain Research, 2019, 376, 112169. | 2.2 | 13 |
| 7 | Association between autophagy and rapid eye movement sleep loss-associated neurodegenerative and patho-physio-behavioral changes. Sleep Medicine, 2019, 63, 29-37. | 1.6 | 24 |
| 8 | Mechanism of noradrenaline-induced Î±1-adrenoceptor mediated regulation of Na-K ATPase subunit expression in Neuro-2a cells. Brain Research Bulletin, 2018, 139, 157-166. | 3.0 | 3 |
| 9 | Noradrenergic Î²-Adrenoceptor-Mediated Intracellular Molecular Mechanism of Naâ€“K ATPase Subunit Expression in C6 Cells. Cellular and Molecular Neurobiology, 2018, 38, 441-457. | 3.3 | 2 |
| 10 | Reciprocal changes in noradrenaline and GABA levels in discrete brain regions upon rapid eye movement sleep deprivation in rats. Neurochemistry International, 2017, 108, 190-198. | 3.8 | 17 |
| 11 | Editorial (Thematic Issue: Epigenetics and Neuro-behavioral Modulations). Current Neuropharmacology, 2016, 14, 2-2. | 2.9 | 2 |
| 12 | REM sleep and its Loss-Associated Epigenetic Regulation with Reference to Noradrenaline in Particular. Current Neuropharmacology, 2016, 14, 28-40. | 2.9 | 11 |
| 13 | Noradrenaline from Locus Coeruleus Neurons Acts on Pedunculo-Pontine Neurons to Prevent REM Sleep and Induces Its Loss-Associated Effects in Rats. ENeuro, 2016, 3, ENEURO.0108-16.2016. | 1.9 | 27 |
| 14 | Long-term primary culture of neurons taken from chick embryo brain: A model to study neural cell biology, synaptogenesis and its dynamic properties. Journal of Neuroscience Methods, 2016, 263, 123-133. | 2.5 | 14 |
| 15 | REM sleep loss associated changes in orexin-A levels in discrete brain areas in rats. Neuroscience Letters, 2015, 590, 62-67. | 2.1 | 28 |
| 16 | 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. Neurochemical Research, 2015, 40, 1747-1757. | 3.3 | 10 |
| 17 | Targeting modulation of noradrenalin release in the brain for amelioration of REMS loss-associated effects. Journal of Translational Internal Medicine, 2015, 3, 8-16. | 2.5 | 2 |
| 18 | Protective role of noradrenaline in benzo[a]pyreneâ€induced learning impairment in developing rat. Journal of Neuroscience Research, 2013, 91, 1450-1462. | 2.9 | 21 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Activation of Retinotopic Visual Areas Is Central to REM Sleep Associated Dreams: Visual Dreams and Visual Imagery Possibly Co-Emerged In Evolution. Activitas Nervosa Superior, 2012, 54, 10-25. | 0.4 | 6 |
| 20 | Activation of inactivation process initiates rapid eye movement sleep. Progress in Neurobiology, 2012, 97, 259-276. | 5.7 | 44 |
| 21 | Differential staining of glia and neurons by modified Golgi-Cox method. Journal of Neuroscience Methods, 2012, 209, 269-279. | 2.5 | 25 |
| 22 | A Mathematical Model towards Understanding the Mechanism of Neuronal Regulation of Wake-NREMS-REMS States. PLoS ONE, 2012, 7, e42059. | 2.5 | 46 |
| 23 | Mechanism of noradrenaline-induced stimulation of Naâ€“K ATPase activity in the rat brain: implications on REM sleep deprivation-induced increase in brain excitability. Molecular and Cellular Biochemistry, 2010, 336, 3-16. | 3.1 | 12 |
| 24 | A Modified Method for Consistent and Reliable Golgiâ€“Cox Staining in Significantly Reduced Time. Frontiers in Neurology, 2010, 1, 157. | 2.4 | 52 |
| 25 | Noradrenaline acting on Î±1-adrenoceptor mediates REM sleep deprivation-induced increased membrane potential in rat brain synaptosomes. Neurochemistry International, 2008, 52, 734-740. | 3.8 | 19 |
| 26 | Role of noradrenergic and GABA-ergic inputs in pedunculopontine tegmentum for regulation of rapid eye movement sleep in rats. Neuropharmacology, 2006, 51, 1-11. | 4.1 | 50 |
| 27 | Neural mechanism of rapid eye movement sleep generation: Cessation of locus coeruleus neurons is a necessity. Acta Physiologica Sinica, 2005, 57, 401-13. | 0.5 | 11 |
| 28 | GABA in pedunculo pontine tegmentum regulates spontaneous rapid eye movement sleep by acting on GABAA receptors in freely moving rats. Neuroscience Letters, 2004, 365, 200-204. | 2.1 | 31 |
| 29 | Norepinephrine-Stimulated Increase in Na+,K+-ATPase Activity in the Rat Brain Is Mediated Through Î±1A-Adrenoceptor Possibly by Dephosphorylation of the Enzyme. Journal of Neurochemistry, 2002, 74, 1574-1578. | 3.9 | 56 |
| 30 | Rapid Eye Movement Sleep-Deprivation-Induced Changes in Glucose Metabolic Enzymes in Rat Brain. Sleep, 1993, , . | 1.1 | 16 |
| 31 | Differential influence of medial and lateral preoptic areas on body temperature in conscious and unconscious rats. Brain Research, 1991, 566, 303-307. | 2.2 | 13 |
| 32 | Differential acute influence of medial and lateral preoptic areas on sleep-wakefulness in freely moving rats. Brain Research, 1990, 525, 242-248. | 2.2 | 54 |