

Dibyadeep Datta

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

1,384
citations

304743

22
h-index

361022

35
g-index

35
all docs

35
docs citations

35
times ranked

2058
citing authors

#	ARTICLE	IF	CITATIONS
1	Hypothesis: Tau pathology is an initiating factor in sporadic Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2021, 17, 115-124.	0.8	169
2	Association of oxytocin receptor (OXTR) gene variants with multiple phenotype domains of autism spectrum disorder. <i>Journal of Neurodevelopmental Disorders</i> , 2011, 3, 101-112.	3.1	148
3	Synaptic Actin Dysregulation, a Convergent Mechanism of Mental Disorders?. <i>Journal of Neuroscience</i> , 2016, 36, 11411-11417.	3.6	99
4	Altered Expression of CDC42 Signaling Pathway Components in Cortical Layer 3 Pyramidal Cells in Schizophrenia. <i>Biological Psychiatry</i> , 2015, 78, 775-785.	1.3	81
5	Layer 3 Excitatory and Inhibitory Circuitry in the Prefrontal Cortex: Developmental Trajectories and Alterations in Schizophrenia. <i>Biological Psychiatry</i> , 2017, 81, 862-873.	1.3	78
6	Functional Maturation of GABA Synapses During Postnatal Development of the Monkey Dorsolateral Prefrontal Cortex. <i>Cerebral Cortex</i> , 2015, 25, 4076-4093.	2.9	61
7	Age-related calcium dysregulation linked with tau pathology and impaired cognition in non-human primates. <i>Alzheimer's and Dementia</i> , 2021, 17, 920-932.	0.8	55
8	Developmental Expression Patterns of GABA _A Receptor Subunits in Layer 3 and 5 Pyramidal Cells of Monkey Prefrontal Cortex. <i>Cerebral Cortex</i> , 2015, 25, 2295-2305.	2.9	52
9	Muscarinic M1 Receptors Modulate Working Memory Performance and Activity via KCNQ Potassium Channels in the Primate Prefrontal Cortex. <i>Neuron</i> , 2020, 106, 649-661.e4.	8.1	52
10	Flexible, Bowl-Shaped N-Heterocyclic Carbene Ligands: Substrate Specificity in Iridium-Catalyzed Ketone Hydrosilylation. <i>Organometallics</i> , 2009, 28, 465-472.	2.3	50
11	Alzheimer's-like pathology in aging rhesus macaques: Unique opportunity to study the etiology and treatment of Alzheimer's disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 26230-26238.	7.1	46
12	Classical complement cascade initiating C1q protein within neurons in the aged rhesus macaque dorsolateral prefrontal cortex. <i>Journal of Neuroinflammation</i> , 2020, 17, 8.	7.2	42
13	Ultrastructural evidence for impaired mitochondrial fission in the aged rhesus monkey dorsolateral prefrontal cortex. <i>Neurobiology of Aging</i> , 2017, 51, 9-18.	3.1	41
14	Loss of Prefrontal Cortical Higher Cognition with Uncontrollable Stress: Molecular Mechanisms, Changes with Age, and Relevance to Treatment. <i>Brain Sciences</i> , 2019, 9, 113.	2.3	41
15	A novel dopamine D1 receptor agonist excites delay-dependent working memory-related neuronal firing in primate dorsolateral prefrontal cortex. <i>Neuropharmacology</i> , 2019, 150, 46-58.	4.1	41
16	The genie in the bottle-magnified calcium signaling in dorsolateral prefrontal cortex. <i>Molecular Psychiatry</i> , 2021, 26, 3684-3700.	7.9	41
17	Chronic Stress Weakens Connectivity in the Prefrontal Cortex: Architectural and Molecular Changes. <i>Chronic Stress</i> , 2021, 5, 247054702110292.	3.4	38
18	Altered Expression of ARP2/3 Complex Signaling Pathway Genes in Prefrontal Layer 3 Pyramidal Cells in Schizophrenia. <i>American Journal of Psychiatry</i> , 2017, 174, 163-171.	7.2	33

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19	Translocator Protein 18kDa (TSPO) Expression in Multiple Sclerosis Patients. <i>Journal of NeuroImmune Pharmacology</i> , 2013, 8, 51-57.	4.1	31
20	Studies of aging nonhuman primates illuminate the etiology of early-stage Alzheimer's-like neuropathology: An evolutionary perspective. <i>American Journal of Primatology</i> , 2021, 83, e23254.	1.7	26
21	Unique Molecular Regulation of Higher-Order Prefrontal Cortical Circuits: Insights into the Neurobiology of Schizophrenia. <i>ACS Chemical Neuroscience</i> , 2018, 9, 2127-2145.	3.5	25
22	Noradrenergic α 1-Adrenoceptor Actions in the Primate Dorsolateral Prefrontal Cortex. <i>Journal of Neuroscience</i> , 2019, 39, 2722-2734.	3.6	25
23	Inhibition of immune activation by a novel nuclear factor-kappa B inhibitor in HTLV-1-associated neurologic disease. <i>Blood</i> , 2011, 117, 3363-3369.	1.4	17
24	Reciprocal Alterations in Regulator of G Protein Signaling 4 and microRNA16 in Schizophrenia. <i>Schizophrenia Bulletin</i> , 2016, 42, 396-405.	4.3	17
25	Unusual Molecular Regulation of Dorsolateral Prefrontal Cortex Layer III Synapses Increases Vulnerability to Genetic and Environmental Insults in Schizophrenia. <i>Biological Psychiatry</i> , 2022, 92, 480-490.	1.3	15
26	Mapping Phosphodiesterase 4D (PDE4D) in Macaque Dorsolateral Prefrontal Cortex: Postsynaptic Compartmentalization in Layer III Pyramidal Cell Circuits. <i>Frontiers in Neuroanatomy</i> , 2020, 14, 578483.	1.7	14
27	Glutamate Carboxypeptidase II in Aging Rat Prefrontal Cortex Impairs Working Memory Performance. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 760270.	3.4	12
28	Phosphodiesterase PDE4D Is Decreased in Frontal Cortex of Aged Rats and Positively Correlated With Working Memory Performance and Inversely Correlated With PKA Phosphorylation of Tau. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 576723.	3.4	8
29	Glutamate Metabotropic Receptor Type 3 (mGlu3) Localization in the Rat Prelimbic Medial Prefrontal Cortex. <i>Frontiers in Neuroanatomy</i> , 2022, 16, 849937.	1.7	8
30	Laminar Differences in the Targeting of Dendritic Spines by Cortical Pyramidal Neurons and Interneurons in Human Dorsolateral Prefrontal Cortex. <i>Neuroscience</i> , 2021, 452, 181-191.	2.3	5
31	M1 receptors interacting with NMDAR enhance delay-related neuronal firing and improve working memory performance. <i>Current Research in Neurobiology</i> , 2021, 2, 100016.	2.3	5
32	Simple, Single-Shot Phosphoproteomic Analysis of Heat-Stable Tau Identifies Age-Related Changes in pS235- and pS396-Tau Levels in Non-human Primates. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 767322.	3.4	4
33	The importance of diversity and outreach in geroscience research: Insights from the Annual Biomedical Research Conference for Minority Students. <i>GeroScience</i> , 2020, 42, 1005-1012.	4.6	2
34	APP Modulates $\text{A}\beta$ -Induced Activation of Microglia in Mouse Model of Alzheimer's Disease. <i>Journal of Neuroscience</i> , 2017, 37, 238-240.	3.6	1
35	PDE4D And HCN1 Ultrastructure In Rhesus Macaque Entorhinal Cortex: Relevance For Aging And Alzheimer's Disease. <i>Innovation in Aging</i> , 2021, 5, 635-636.	0.1	1