

# Avishek Adhikari

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6792029/publications.pdf>

Version: 2024-02-01

28  
papers

6,120  
citations

304743

22  
h-index

552781

26  
g-index

34  
all docs

34  
docs citations

34  
times ranked

8807  
citing authors

#	ARTICLE	IF	CITATIONS
1	Natural Neural Projection Dynamics Underlying Social Behavior. <i>Cell</i> , 2014, 157, 1535-1551.	28.9	1,121
2	Dopamine neurons modulate neural encoding and expression of depression-related behaviour. <i>Nature</i> , 2013, 493, 537-541.	27.8	874
3	Synchronized Activity between the Ventral Hippocampus and the Medial Prefrontal Cortex during Anxiety. <i>Neuron</i> , 2010, 65, 257-269.	8.1	599
4	Integration of optogenetics with complementary methodologies in systems neuroscience. <i>Nature Reviews Neuroscience</i> , 2017, 18, 222-235.	10.2	562
5	Diverging neural pathways assemble a behavioural state from separable features in anxiety. <i>Nature</i> , 2013, 496, 219-223.	27.8	543
6	A prefrontal cortex-brainstem neuronal projection that controls response to behavioural challenge. <i>Nature</i> , 2012, 492, 428-432.	27.8	526
7	Basomedial amygdala mediates top-down control of anxiety and fear. <i>Nature</i> , 2015, 527, 179-185.	27.8	399
8	Wiring and Molecular Features of Prefrontal Ensembles Representing Distinct Experiences. <i>Cell</i> , 2016, 165, 1776-1788.	28.9	295
9	Single Units in the Medial Prefrontal Cortex with Anxiety-Related Firing Patterns Are Preferentially Influenced by Ventral Hippocampal Activity. <i>Neuron</i> , 2011, 71, 898-910.	8.1	227
10	Distributed circuits underlying anxiety. <i>Frontiers in Behavioral Neuroscience</i> , 2014, 8, 112.	2.0	174
11	Cholinergic receptor pathways involved in apoptosis, cell proliferation and neuronal differentiation. <i>Cell Communication and Signaling</i> , 2009, 7, 20.	6.5	153
12	Cross-correlation of instantaneous amplitudes of field potential oscillations: A straightforward method to estimate the directionality and lag between brain areas. <i>Journal of Neuroscience Methods</i> , 2010, 191, 191-200.	2.5	96
13	Influence of spontaneous calcium events on cell-cycle progression in embryonal carcinoma and adult stem cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2010, 1803, 246-260.	4.1	70
14	To Approach or Avoid: An Introductory Overview of the Study of Anxiety Using Rodent Assays. <i>Frontiers in Behavioral Neuroscience</i> , 2020, 14, 145.	2.0	69
15	Estrogen-sensitive medial preoptic area neurons coordinate torpor in mice. <i>Nature Communications</i> , 2020, 11, 6378.	12.8	49
16	Intracellular Ca <sup>2+</sup> Regulation During Neuronal Differentiation of Murine Embryonal Carcinoma and Mesenchymal Stem Cells. <i>Stem Cells and Development</i> , 2010, 19, 379-394.	2.1	47
17	Coordination of escape and spatial navigation circuits orchestrates versatile flight from threats. <i>Neuron</i> , 2021, 109, 1848-1860.e8.	8.1	47
18	The dual face of endogenous $\hat{\alpha}$ -aminoketones: Pro-oxidizing metabolic weapons. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2007, 146, 88-110.	2.6	44

#	ARTICLE	IF	CITATIONS
19	Mechanism of acetylcholine-induced calcium signaling during neuronal differentiation of P19 embryonal carcinoma cells in vitro. <i>Cell Calcium</i> , 2008, 43, 107-121.	2.4	44
20	5-Aminolevulinate and 4, 5-dioxovalerate ions decrease GABAA receptor density in neuronal cells, synaptosomes and rat brain. <i>Brain Research</i> , 2006, 1093, 95-104.	2.2	39
21	Long-Term Characterization of Hippocampal Remapping during Contextual Fear Acquisition and Extinction. <i>Journal of Neuroscience</i> , 2020, 40, 8329-8342.	3.6	39
22	Dorsal periaqueductal gray ensembles represent approach and avoidance states. <i>ELife</i> , 2021, 10, .	6.0	26
23	Disrupted Activity in the Hippocampalâ€Accumbens Circuit of Type III Neuregulin 1 Mutant Mice. <i>Neuropsychopharmacology</i> , 2011, 36, 488-496.	5.4	23
24	Dorsal premammillary projection to periaqueductal gray controls escape vigor from innate and conditioned threats. <i>ELife</i> , 2021, 10, .	6.0	22
25	Shared Dorsal Periaqueductal Gray Activation Patterns during Exposure to Innate and Conditioned Threats. <i>Journal of Neuroscience</i> , 2021, 41, 5399-5420.	3.6	13
26	Sparse genetically defined neurons refine the canonical role of periaqueductal gray columnar organization. <i>ELife</i> , 0, 11, .	6.0	9
27	GABAergic CA1 neurons are more stable following context changes than glutamatergic cells. <i>Scientific Reports</i> , 2022, 12, .	3.3	5
28	Learned fear and innate anxiety in rodents and their relevance to human anxiety disorders. , 2010, , 180-191.		1