

Anu G Nair

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3330729/publications.pdf>

Version: 2024-02-01

14
papers

353
citations

933447

10
h-index

1058476

14
g-index

17
all docs

17
docs citations

17
times ranked

609
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Detection of phasic dopamine by D1 and D2 striatal medium spiny neurons. <i>Journal of Physiology</i> , 2017, 595, 7451-7475. | 2.9 | 82 |
| 2 | Sensing Positive versus Negative Reward Signals through Adenylyl Cyclase-Coupled GPCRs in Direct and Indirect Pathway Striatal Medium Spiny Neurons. <i>Journal of Neuroscience</i> , 2015, 35, 14017-14030. | 3.6 | 52 |
| 3 | The high efficacy of muscarinic M4 receptor in D1 medium spiny neurons reverses striatal hyperdopaminergia. <i>Neuropharmacology</i> , 2019, 146, 74-83. | 4.1 | 36 |
| 4 | Basal Ganglia Neuromodulation Over Multiple Temporal and Structural Scales—Simulations of Direct Pathway MSNs Investigate the Fast Onset of Dopaminergic Effects and Predict the Role of Kv4.2. <i>Frontiers in Neural Circuits</i> , 2018, 12, 3. | 2.8 | 34 |
| 5 | Role of DARPP-32 and ARPP-21 in the Emergence of Temporal Constraints on Striatal Calcium and Dopamine Integration. <i>PLoS Computational Biology</i> , 2016, 12, e1005080. | 3.2 | 29 |
| 6 | Uncertainty quantification, propagation and characterization by Bayesian analysis combined with global sensitivity analysis applied to dynamical intracellular pathway models. <i>Bioinformatics</i> , 2019, 35, 284-292. | 4.1 | 22 |
| 7 | PASS2 version 4: An update to the database of structure-based sequence alignments of structural domain superfamilies. <i>Nucleic Acids Research</i> , 2012, 40, D531-D534. | 14.5 | 17 |
| 8 | Modeling Intracellular Signaling Underlying Striatal Function in Health and Disease. <i>Progress in Molecular Biology and Translational Science</i> , 2014, 123, 277-304. | 1.7 | 17 |
| 9 | Regulation of adenylyl cyclase 5 in striatal neurons confers the ability to detect coincident neuromodulatory signals. <i>PLoS Computational Biology</i> , 2019, 15, e1007382. | 3.2 | 16 |
| 10 | Structural attributes for the recognition of weak and anomalous regions in coiled-coils of myosins and other motor proteins. <i>BMC Research Notes</i> , 2012, 5, 530. | 1.4 | 15 |
| 11 | Switch-like PKA responses in the nucleus of striatal neurons. <i>Journal of Cell Science</i> , 2018, 131, . | 2.0 | 14 |
| 12 | Distinct molecular pathways govern presynaptic homeostatic plasticity. <i>Cell Reports</i> , 2021, 37, 110105. | 6.4 | 8 |
| 13 | Rebelling for a Reason: Protein Structural “Outliers”. <i>PLoS ONE</i> , 2013, 8, e74416. | 2.5 | 5 |
| 14 | A Modular Workflow for Model Building, Analysis, and Parameter Estimation in Systems Biology and Neuroscience. <i>Neuroinformatics</i> , 2022, 20, 241-259. | 2.8 | 3 |