

Satish Bodakuntla

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

915
citations

686830

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642321

23
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26
all docs

26
docs citations

26
times ranked

1156
citing authors

#	ARTICLE	IF	CITATIONS
1	Microtubule-Associated Proteins: Structuring the Cytoskeleton. Trends in Cell Biology, 2019, 29, 804-819.	3.6	201
2	The tubulin code at a glance. Journal of Cell Science, 2017, 130, 1347-1353.	1.2	194
3	Excessive tubulin polyglutamylation causes neurodegeneration and perturbs neuronal transport. EMBO Journal, 2018, 37, .	3.5	110
4	Tubulin glycylation controls primary cilia length. Journal of Cell Biology, 2017, 216, 2701-2713.	2.3	67
5	Direct induction of microtubule branching by microtubule nucleation factor SSNA1. Nature Cell Biology, 2018, 20, 1172-1180.	4.6	48
6	Tubulin polyglutamylation is a general traffic control mechanism in hippocampal neurons. Journal of Cell Science, 2020, 133, .	1.2	39
7	Distinct roles of γ - and β -tubulin polyglutamylation in controlling axonal transport and in neurodegeneration. EMBO Journal, 2021, 40, e108498.	3.5	31
8	Purification of tubulin with controlled post-translational modifications by polymerization-depolymerization cycles. Nature Protocols, 2019, 14, 1634-1660.	5.5	28
9	Loss of the deglutamylase CCP5 perturbs multiple steps of spermatogenesis and leads to male infertility. Journal of Cell Science, 2019, 132, .	1.2	25
10	Pro-cognitive action of CART is mediated via ERK in the hippocampus. Hippocampus, 2016, 26, 1313-1327.	0.9	24
11	Tubulin polyglutamylation, a regulator of microtubule functions, can cause neurodegeneration. Neuroscience Letters, 2021, 746, 135656.	1.0	24
12	Lysate-based pipeline to characterize microtubule-associated proteins uncovers unique microtubule behaviours. Nature Cell Biology, 2022, 24, 253-267.	4.6	24
13	Genetically encoded live-cell sensor for tyrosinated microtubules. Journal of Cell Biology, 2020, 219, .	2.3	20
14	In situ cryo-electron tomography reveals local cellular machineries for axon branch development. Journal of Cell Biology, 2022, 221, .	2.3	15
15	N-nitroso-N-ethylurea activates DNA damage surveillance pathways and induces transformation in mammalian cells. BMC Cancer, 2014, 14, 287.	1.1	12
16	DNA-PK plays a central role in transformation of breast epithelial cells following alkylation damage. Journal of Cell Science, 2017, 130, 3749-3763.	1.2	11
17	Measuring the Impact of Tubulin Posttranslational Modifications on Axonal Transport. Methods in Molecular Biology, 2020, 2101, 353-370.	0.4	9
18	Cytoskeleton and Membrane Organization at Axon Branches. Frontiers in Cell and Developmental Biology, 2021, 9, 707486.	1.8	8

#	ARTICLE	IF	CITATIONS
19	Distinct roles of β - and β ² -tubulin polyglutamylation in controlling axonal transport and in neurodegeneration. <i>EMBO Journal</i> , 2022, 41, .	3.5	8
20	Knocking Out Multiple Genes in Cultured Primary Neurons to Study Tubulin Posttranslational Modifications. <i>Methods in Molecular Biology</i> , 2020, 2101, 327-351.	0.4	6
21	Mutations in the most divergent β -tubulin isotype, β ⁸ -tubulin, cause defective platelet biogenesis. <i>Journal of Thrombosis and Haemostasis</i> , 2022, 20, 461-469.	1.9	4
22	H-ABC ^{ca} and dystonia-causing <i>TUBB4A</i> mutations show distinct pathogenic effects. <i>Science Advances</i> , 2022, 8, eabj9229.	4.7	4
23	Purification of Tubulin with Controlled Posttranslational Modifications and Isoforms from Limited Sources by Polymerization-Depolymerization Cycles. <i>Journal of Visualized Experiments</i> , 2020, , .	0.2	3