

Senthil Arumugam

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,258
citations

516561

16
h-index

580701

25
g-index

30
all docs

30
docs citations

30
times ranked

2123
citing authors

#	ARTICLE	IF	CITATIONS
1	βIII-Tubulin Structural Domains Regulate Mitochondrial Network Architecture in an Isotype-Specific Manner. <i>Cells</i> , 2022, 11, 776.	1.8	2
2	The Cell Physiome: What Do We Need in a Computational Physiology Framework for Predicting Single-Cell Biology?. <i>Annual Review of Biomedical Data Science</i> , 2022, 5, 341-366.	2.8	4
3	FtsZ: The Force Awakens. <i>Journal of the Indian Institute of Science</i> , 2021, 101, 31-38.	0.9	0
4	Rapid whole cell imaging reveals a calcium-APPL1-dynein nexus that regulates cohort trafficking of stimulated EGF receptors. <i>Communications Biology</i> , 2021, 4, 224.	2.0	6
5	Rac1 activation can generate untemplated, lamellar membrane ruffles. <i>BMC Biology</i> , 2021, 19, 72.	1.7	13
6	Ceramide structure dictates glycosphingolipid nanodomain assembly and function. <i>Nature Communications</i> , 2021, 12, 3675.	5.8	27
7	To be more precise: the role of intracellular trafficking in development and pattern formation. <i>Biochemical Society Transactions</i> , 2020, 48, 2051-2066.	1.6	11
8	Toolbox of Diverse Linkers for Navigating the Cellular Efficacy Landscape of Stapled Peptides. <i>ACS Chemical Biology</i> , 2019, 14, 526-533.	1.6	28
9	The Set1 complex is dimeric and acts with Jhd2 demethylation to convey symmetrical H3K4 trimethylation. <i>Genes and Development</i> , 2019, 33, 550-564.	2.7	24
10	Ordered and Disordered Segments of Amyloid-β Drive Sequential Steps of the Toxic Pathway. <i>ACS Chemical Neuroscience</i> , 2019, 10, 2498-2509.	1.7	21
11	The Lipids of the Early Endosomes: Making Multimodality Work. <i>ChemBioChem</i> , 2017, 18, 1053-1060.	1.3	14
12	Mechanism of Shiga Toxin Clustering on Membranes. <i>ACS Nano</i> , 2017, 11, 314-324.	7.3	93
13	Quantum dot-loaded monofunctionalized DNA icosahedra for single-particle tracking of endocytic pathways. <i>Nature Nanotechnology</i> , 2016, 11, 1112-1119.	15.6	142
14	Membrane nanodomains: contribution of curvature and interaction with proteins and cytoskeleton. <i>Essays in Biochemistry</i> , 2015, 57, 109-119.	2.1	26
15	Cytoskeletal Pinning Controls Phase Separation in Multicomponent Lipid Membranes. <i>Biophysical Journal</i> , 2015, 108, 1104-1113.	0.2	52
16	Endophilin-A2 functions in membrane scission in clathrin-independent endocytosis. <i>Nature</i> , 2015, 517, 493-496.	18.7	276
17	MinCDE exploits the dynamic nature of FtsZ filaments for its spatial regulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E1192-200.	3.3	66
18	Galectin-3 drives glycosphingolipid-dependent biogenesis of clathrin-independent carriers. <i>Nature Cell Biology</i> , 2014, 16, 592-603.	4.6	248

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19	Cytoskeletal Pinning Prevents Large-Scale Phase Separation in Model Membranes. <i>Biophysical Journal</i> , 2013, 104, 252a.	0.2	1
20	MinC, MinD, and MinE Drive Counter-oscillation of Early-Cell-Division Proteins Prior to <i>Escherichia coli</i> Septum Formation. <i>MBio</i> , 2013, 4, e00856-13.	1.8	45
21	The Dynamics of Somatic Exocytosis in Monoaminergic Neurons. <i>Frontiers in Physiology</i> , 2012, 3, 414.	1.3	18
22	Surface Topology Engineering of Membranes for the Mechanical Investigation of the Tubulin Homologue FtsZ. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 11858-11862.	7.2	53
23	Protein-membrane interactions: the virtue of minimal systems in systems biology. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2011, 3, 269-280.	6.6	19
24	Three-photon microscopy shows that somatic release can be a quantitatively significant component of serotonergic neurotransmission in the mammalian brain. <i>Journal of Neuroscience Research</i> , 2008, 86, 3469-3480.	1.3	47
25	A high-resolution large area serotonin map of a live rat brain section. <i>NeuroReport</i> , 2008, 19, 717-721.	0.6	14