

Giulia Bertolin

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

596
citations

933447

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839539

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26
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docs citations

26
times ranked

3158
citing authors

#	ARTICLE	IF	CITATIONS
1	Functional interplay between Parkin and Drp1 in mitochondrial fission and clearance. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2014, 1843, 2012-2026.	4.1	134
2	The TOMM machinery is a molecular switch in PINK1 and PARK2/PARKIN-dependent mitochondrial clearance. <i>Autophagy</i> , 2013, 9, 1801-1817.	9.1	119
3	Aurora kinase A localises to mitochondria to control organelle dynamics and energy production. <i>ELife</i> , 2018, 7, .	6.0	63
4	Insights into the non-mitotic functions of Aurora kinase A: more than just cell division. <i>Cellular and Molecular Life Sciences</i> , 2020, 77, 1031-1047.	5.4	60
5	A FRET biosensor reveals spatiotemporal activation and functions of aurora kinase A in living cells. <i>Nature Communications</i> , 2016, 7, 12674.	12.8	52
6	Engineering of a fluorescent chemogenetic reporter with tunable color for advanced live-cell imaging. <i>Nature Communications</i> , 2021, 12, 6989.	12.8	35
7	Parkin maintains mitochondrial levels of the protective Parkinson's disease-related enzyme 17- β hydroxysteroid dehydrogenase type 10. <i>Cell Death and Differentiation</i> , 2015, 22, 1563-1576.	11.2	33
8	Imaging Mitochondrial Functions: From Fluorescent Dyes to Genetically-Encoded Sensors. <i>Genes</i> , 2020, 11, 125.	2.4	27
9	Mitochondrial Aurora kinase A induces mitophagy by interacting with MAP1LC3 and Prohibitin 2. <i>Life Science Alliance</i> , 2021, 4, e202000806.	2.8	14
10	Approaches to monitor ATP levels in living cells: where do we stand?. <i>FEBS Journal</i> , 2022, 289, 7940-7969.	4.7	14
11	Optimized FRET Pairs and Quantification Approaches To Detect the Activation of Aurora Kinase A at Mitosis. <i>ACS Sensors</i> , 2019, 4, 2018-2027.	7.8	13
12	tdLanYFP, a Yellow, Bright, Photostable, and pH-Insensitive Fluorescent Protein for Live-Cell Imaging and Förster Resonance Energy Transfer-Based Sensing Strategies. <i>ACS Sensors</i> , 2021, 6, 3940-3947.	7.8	8
13	Mitochondrial transport, partitioning, and quality control at the heart of cell proliferation and fate acquisition. <i>American Journal of Physiology - Cell Physiology</i> , 2022, 322, C311-C325.	4.6	8
14	PIM2 kinase has a pivotal role in plasmablast generation and plasma cell survival, opening up novel treatment options in myeloma. <i>Blood</i> , 2022, 139, 2316-2337.	1.4	5
15	Quantitative dSTORM super-resolution microscopy localizes Aurora kinase A/AURKA in the mitochondrial matrix. <i>Biology of the Cell</i> , 2021, 113, 458-473.	2.0	2
16	Real-Time Monitoring of Aurora kinase A Activation using Conformational FRET Biosensors in Live Cells. <i>Journal of Visualized Experiments</i> , 2020, , .	0.3	2
17	The NANOTUMOR consortium "Towards the Tumor Cell Atlas. <i>Biology of the Cell</i> , 2021, 113, 272-280.	2.0	1
18	3D quantification of autophagy activation and autophagosome-to-mitochondria recruitment in a <i>Drosophila</i> model of Parkinson's disease. <i>STAR Protocols</i> , 2021, 2, 100408.	1.2	1