Stefano Santaguida

List of Publications by Year in descending order

41 papers	9,213 citations	201385 27 h-index	276539 41 g-index
51 all docs	51 docs citations	51 times ranked	18330 citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	4.3	4,701
2	Implications for Kinetochore-Microtubule Attachment from the Structure of an Engineered Ndc80 Complex. Cell, 2008, 133, 427-439.	13.5	479
3	Dissecting the role of MPS1 in chromosome biorientation and the spindle checkpoint through the small molecule inhibitor reversine. Journal of Cell Biology, 2010, 190, 73-87.	2.3	447
4	Short- and long-term effects of chromosome mis-segregation and aneuploidy. Nature Reviews Molecular Cell Biology, 2015, 16, 473-485.	16.1	439
5	The life and miracles of kinetochores. EMBO Journal, 2009, 28, 2511-2531.	3.5	420
6	Sustained Mps1 activity is required in mitosis to recruit O-Mad2 to the Mad1â€“C-Mad2 core complex. Journal of Cell Biology, 2010, 190, 25-34.	2.3	284
7	Chromosome Mis-segregation Generates Cell-Cycle-Arrested Cells with Complex Karyotypes that Are Eliminated by the Immune System. Developmental Cell, 2017, 41, 638-651.e5.	3.1	263
8	The Mad2 Conformational Dimer: Structure and Implications for the Spindle Assembly Checkpoint. Cell, 2007, 131, 730-743.	13.5	217
9	The MIS12 complex is a protein interaction hub for outer kinetochore assembly. Journal of Cell Biology, 2010, 190, 835-852.	2.3	196
10	Side by side comparison between dynamic versus static models of bloodâ€“brain barrier in vitro: A permeability study. Brain Research, 2006, 1109, 1-13.	1.1	177
11	Evidence that Aurora B is implicated in spindle checkpoint signalling independently of error correction. EMBO Journal, 2011, 30, 1508-1519.	3.5	167
12	Aneuploidy-induced cellular stresses limit autophagic degradation. Genes and Development, 2015, 29, 2010-2021.	2.7	136
13	Aneuploidy renders cancer cells vulnerable to mitotic checkpoint inhibition. Nature, 2021, 590, 486-491.	13.7	135
14	Structural analysis reveals features of the spindle checkpoint kinase Bub1â€“kinetochore subunit Knl1 interaction. Journal of Cell Biology, 2012, 196, 451-467.	2.3	116
15	A small-molecule inhibitor of Haspin alters the kinetochore functions of Aurora B. Journal of Cell Biology, 2012, 199, 269-284.	2.3	96
16	Homeostatic Control of Mitotic Arrest. Molecular Cell, 2011, 44, 710-720.	4.5	94
17	Gene copy-number changes and chromosomal instability induced by aneuploidy confer resistance to chemotherapy. Developmental Cell, 2021, 56, 2440-2454.e6.	3.1	87
18	Protein aggregation mediates stoichiometry of protein complexes in aneuploid cells. Genes and Development, 2019, 33, 1031-1047.	2.7	83

#	Article	IF	Citations
19	Crystal Structure of Human Aurora B in Complex with INCENP and VX-680. Journal of Medicinal Chemistry, 2012, 55, 7841-7848.	2.9	77
20	Structural Analysis of the RZZ Complex Reveals Common Ancestry with Multisubunit Vesicle Tethering Machinery. Structure, 2010, 18, 616-626.	1.6	72
21	Prenatal exposure to thalidomide, altered vasculogenesis, and CNS malformations. Neuroscience, 2006, 142, 267-283.	1.1	60
22	The Aurora B kinase activity is required for the maintenance of the differentiated state of murine myoblasts. Cell Death and Differentiation, 2009, 16, 321-330.	5.0	51
23	A General Framework for Inhibitor Resistance in Protein Kinases. Chemistry and Biology, 2011, 18, 966-975.	6.2	49
24	Aneuploid senescent cells activate NFâ€ºB to promote their immune clearance by NK cells. EMBO Reports, 2021, 22, e52032.	2.0	42
25	Effects of cigarette smoking on the human urinary proteome. Biochemical and Biophysical Research Communications, 2009, 381, 397-402.	1.0	40
26	Aneuploid Cell Survival Relies upon Sphingolipid Homeostasis. Cancer Research, 2017, 77, 5272-5286.	0.4	37
27	A High Throughput, Whole Cell Screen for Small Molecule Inhibitors of the Mitotic Spindle Checkpoint Identifies OM137, a Novel Aurora Kinase Inhibitor. Cancer Research, 2009, 69, 1509-1516.	0.4	26
28	Early cerebrovascular and parenchymal events following prenatal exposure to the putative neurotoxin methylazoxymethanol. Neurobiology of Disease, 2007, 26, 481-495.	2.1	23
29	The pleiotropic deubiquitinase Ubp3 confers aneuploidy tolerance. Genes and Development, 2016, 30, 2259-2271.	2.7	22
30	Selective Aurora Kinase Inhibitors Identified Using a Taxol-Induced Checkpoint Sensitivity Screen. ACS Chemical Biology, 2012, 7, 185-196.	1.6	20
31	Aneuploidy triggers a TFEB-mediated lysosomal stress response. Autophagy, 2015, 11, 2383-2384.	4.3	20
32	Dynamic phosphorylation of Histone Deacetylase 1 by Aurora kinases during mitosis regulates zebrafish embryos development. Scientific Reports, 2016, 6, 30213.	1.6	16
33	A Screen for Kinetochore-Microtubule Interaction Inhibitors Identifies Novel Antitubulin Compounds. PLoS ONE, 2010, 5, e11603.	1.1	16
34	The Dynamic Instability of the Aneuploid Genome. Frontiers in Cell and Developmental Biology, 2022, 10, 838928.	1.8	13
35	Regulation of protein complex partners as a compensatory mechanism in aneuploid tumors. ELife, 2022, 11, .	2.8	7
36	Generation and Isolation of Cell Cycle-arrested Cells with Complex Karyotypes. Journal of Visualized Experiments, 2018, , .	0.2	4

#	Article	IF	Citations
37	Understanding Complexity of Cancer Genomes: Lessons from Errors. Developmental Cell, 2020, 53, 500-502.	3.1	2
38	A monoclonal antibody specific for prophase phosphorylation of histone deacetylase 1: a readout for early mitotic cells. MAbs, 2016, 8, 37-42.	2.6	1
39	Biomedical omics: first insights of a new MSc degree of the University of Milan. Tumori, 2021, , 030089162110472.	0.6	1
40	Crotonylation directs the spindle. Nature Chemical Biology, 2021, 17, 1217-1218.	3.9	0
41	20 years of Developmental Cell: Looking forward. Developmental Cell, 2021, 56, 3185-3191.	3.1	0