Sabrina L Spencer

List of Publications by Year
in descending order

29 papers	4,138 citations	331670 21 h-index	477307 29 g-index
34 all docs	34 docs citations	34 times ranked	5101 citing authors

#	Article	IF	Citations
1	Resilience integrates concepts in aging research. IScience, 2022, 25, 104199.	4.1	9
2	Intracellular Crowding by Bioâ€Orthogonal Hydrogel Formation Induces Reversible Molecular Stasis. Advanced Materials, 2022, 34, .	21.0	8
3	Melanoma subpopulations that rapidly escape MAPK pathway inhibition incur DNA damage and rely on stress signalling. Nature Communications, 2021, 12, 1747.	12.8	39
4	Replication-dependent histone biosynthesis is coupled to cell-cycle commitment. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	27
5	Single cell biologyâ€"a Keystone Symposia report. Annals of the New York Academy of Sciences, 2021, 1506, 74-97.	3.8	3
6	EllipTrack: A Global-Local Cell-Tracking Pipeline for 2D Fluorescence Time-Lapse Microscopy. Cell Reports, 2020, 32, 107984.	6.4	25
7	Temporal integration of mitogen history in mother cells controls proliferation of daughter cells. Science, 2020, 368, 1261-1265.	12.6	79
8	Visualizing the metazoan proliferation-quiescence decision in vivo. ELife, 2020, 9, .	6.0	36
9	Senescence Evasion in Chemotherapy: A Sweet Spot for p21. Cell, 2019, 178, 267-269.	28.9	14
10	Spontaneously slow-cycling subpopulations of human cells originate from activation of stress-response pathways. PLoS Biology, 2019, 17, e3000178.	5.6	63
11	Ki67 is a Graded Rather than a Binary Marker of Proliferation versus Quiescence. Cell Reports, 2018, 24, 1105-1112.e5.	6.4	391
12	Control of the Restriction Point by Rb and p21. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E8219-E8227.	7.1	95
13	Endogenous Replication Stress in Mother Cells Leads to Quiescence of Daughter Cells. Cell Reports, 2017, 19, 1351-1364.	6.4	146
14	A Cell-Cycle â€œSafe Spaceâ€•for Surviving Chemotherapy. Cell Systems, 2017, 5, 161-162.	6.2	5
15	A map of protein dynamics during cell-cycle progression and cell-cycle exit. PLoS Biology, 2017, 15, e2003268.	5.6	84
16	Irreversible APC Cdh1 Inactivation Underlies the Point of No Return for Cell-Cycle Entry. Cell, 2016, 166, 167-180.	28.9	202
17	Basal p21 controls population heterogeneity in cycling and quiescent cell cycle states. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E4386-93.	7.1	100
18	The Proliferation-Quiescence Decision Is Controlled by a Bifurcation in CDK2 Activity at Mitotic Exit. Cell, 2013, 155, 369-383.	28.9	565

#	Article	IF	Citations
19	Cells surviving fractional killing by TRAIL exhibit transient but sustainable resistance and inflammatory phenotypes. Molecular Biology of the Cell, 2013, 24, 2186-2200.	2.1	84
20	Exploring the Contextual Sensitivity of Factors that Determine Cell-to-Cell Variability in Receptor-Mediated Apoptosis. PLoS Computational Biology, 2012, 8, e1002482.	3.2	79
21	MEASURING AND MODELING LIFEâ€DEATH DECISIONS IN SINGLE CELLS. FASEB Journal, 2012, 26, 228.1.	0.5	1
22	Measuring and Modeling Apoptosis in Single Cells. Cell, 2011, 144, 926-939.	28.9	354
23	Systematic calibration of a cell signaling network model. BMC Bioinformatics, 2010, 11, 202.	2.6	37
24	SYNTHESIS: Cancer research meets evolutionary biology. Evolutionary Applications, 2009, 2, 62-70.	3.1	83
25	Non-genetic origins of cell-to-cell variability in TRAIL-induced apoptosis. Nature, 2009, 459, 428-432.	27.8	993
26	Non-genetic cell-to-cell variability and the consequences for pharmacology. Current Opinion in Chemical Biology, 2009, 13, 556-561.	6.1	200
27	Modeling a Snap-Action, Variable-Delay Switch Controlling Extrinsic Cell Death. PLoS Biology, 2008, 6, e299.	5.6	252
28	Modeling Somatic Evolution in Tumorigenesis. PLoS Computational Biology, 2006, 2, e108.	3.2	84
29	An ordinary differential equation model for the multistep transformation to cancer. Journal of Theoretical Biology, 2004, 231, 515-524.	1.7	69