

Kathleen Sprouffske

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

1,203
citations

623734

14
h-index

888059

17
g-index

22
all docs

22
docs citations

22
times ranked

1787
citing authors

#	ARTICLE	IF	CITATIONS
1	Growthcurver: an R package for obtaining interpretable metrics from microbial growth curves. BMC Bioinformatics, 2016, 17, 172.	2.6	582
2	Cancer in Light of Experimental Evolution. Current Biology, 2012, 22, R762-R771.	3.9	103
3	High mutation rates limit evolutionary adaptation in Escherichia coli. PLoS Genetics, 2018, 14, e1007324.	3.5	72
4	Fast NMDA Receptor-Mediated Synaptic Currents in Neurons From Mice Lacking the $\hat{\mu}2$ (NR2B) Subunit. Journal of Neurophysiology, 2000, 83, 616-620.	1.8	62
5	Animal Cell Differentiation Patterns Suppress Somatic Evolution. PLoS Computational Biology, 2007, 3, e250.	3.2	62
6	Accurate Reconstruction of the Temporal Order of Mutations in Neoplastic Progression. Cancer Prevention Research, 2011, 4, 1135-1144.	1.5	54
7	Solving the Puzzle of Metastasis: The Evolution of Cell Migration in Neoplasms. PLoS ONE, 2011, 6, e17933.	2.5	51
8	PAX8 activates metabolic genes via enhancer elements in Renal Cell Carcinoma. Nature Communications, 2019, 10, 3739.	12.8	49
9	Assessing the benefits of horizontal gene transfer by laboratory evolution and genome sequencing. BMC Evolutionary Biology, 2018, 18, 54.	3.2	31
10	An evolutionary explanation for the presence of cancer nonstem cells in neoplasms. Evolutionary Applications, 2013, 6, 92-101.	3.1	25
11	Exquisite Sensitivity to Dual BRG1/BRM ATPase Inhibitors Reveals Broad SWI/SNF Dependencies in Acute Myeloid Leukemia. Molecular Cancer Research, 2022, 20, 361-372.	3.4	22
12	Peto's paradox revisited: theoretical evolutionary dynamics of cancer in wild populations. Evolutionary Applications, 2013, 6, 109-116.	3.1	20
13	Systematic dissection of transcriptional regulatory networks by genome-scale and single-cell CRISPR screens. Science Advances, 2021, 7, .	10.3	19
14	The Discovery of SWI/SNF Chromatin Remodeling Activity as a Novel and Targetable Dependency in Uveal Melanoma. Molecular Cancer Therapeutics, 2020, 19, 2186-2195.	4.1	18
15	Genetic heterogeneity and clonal evolution during metastasis in breast cancer patient-derived tumor xenograft models. Computational and Structural Biotechnology Journal, 2020, 18, 323-331.	4.1	12
16	How Archiving by Freezing Affects the Genome-Scale Diversity of <i>Escherichia coli</i> Populations. Genome Biology and Evolution, 2016, 8, 1290-1298.	2.5	11
17	Effect of Population Size and Mutation Rate on the Evolution of RNA Sequences on an Adaptive Landscape Determined by RNA Folding. International Journal of Biological Sciences, 2017, 13, 1138-1151.	6.4	6
18	Cooperation and Cancer. , 2010, , 471-485.		4

#	ARTICLE	IF	CITATIONS
19	Application of simultaneous selective pressures slows adaptation. <i>Evolutionary Applications</i> , 2020, 13, 1615-1625.	3.1	0