

Lillian K Fritz-Laylin

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

6,724
citations

394421

19
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330143

37
g-index

53
all docs

53
docs citations

53
times ranked

9864
citing authors

#	ARTICLE	IF	CITATIONS
1	Naegleria's mitotic spindles are built from unique tubulins and highlight core spindle features. <i>Current Biology</i> , 2022, 32, 1247-1261.e6.	3.9	14
2	Amphibian mucus triggers a developmental transition in the frog-killing chytrid fungus. <i>Current Biology</i> , 2022, 32, 2765-2771.e4.	3.9	6
3	The actin networks of chytrid fungi reveal evolutionary loss of cytoskeletal complexity in the fungal kingdom. <i>Current Biology</i> , 2021, 31, 1192-1205.e6.	3.9	29
4	Evolutionary cell biology: Closest unicellular relatives of animals crawl when squeezed. <i>Current Biology</i> , 2021, 31, R353-R355.	3.9	2
5	Genomics and transcriptomics yields a system-level view of the biology of the pathogen <i>Naegleria fowleri</i> . <i>BMC Biology</i> , 2021, 19, 142.	3.8	18
6	A OneStep Solution to Fix and Stain Cells for Correlative Live and Fixed Microscopy. <i>Current Protocols</i> , 2021, 1, e308.	2.9	4
7	Laboratory Maintenance of the Chytrid Fungus <i>Batrachochytrium dendrobatidis</i> . <i>Current Protocols</i> , 2021, 1, e309.	2.9	7
8	High-efficiency electroporation of chytrid fungi. <i>Scientific Reports</i> , 2020, 10, 15145.	3.3	12
9	The evolution of animal cell motility. <i>Current Biology</i> , 2020, 30, R477-R482.	3.9	21
10	SuperPlots: Communicating reproducibility and variability in cell biology. <i>Journal of Cell Biology</i> , 2020, 219, .	5.2	418
11	Conserved actin machinery drives microtubule-independent motility and phagocytosis in <i>Naegleria</i> . <i>Journal of Cell Biology</i> , 2020, 219, .	5.2	25
12	Isolation and maintenance of <i>Batrachochytrium salamandrivorans</i> cultures. <i>Diseases of Aquatic Organisms</i> , 2020, 140, 1-11.	1.0	15
13	Genetic transformation of <i>Spizellomyces punctatus</i> , a resource for studying chytrid biology and evolutionary cell biology. <i>ELife</i> , 2020, 9, .	6.0	29
14	Identification of antibiotics for use in selection of the chytrid fungi <i>Batrachochytrium dendrobatidis</i> and <i>Batrachochytrium salamandrivorans</i> . <i>PLoS ONE</i> , 2020, 15, e0240480.	2.5	3
15	Title is missing!. , 2020, 15, e0240480.		0
16	Title is missing!. , 2020, 15, e0240480.		0
17	Title is missing!. , 2020, 15, e0240480.		0
18	Title is missing!. , 2020, 15, e0240480.		0

#	ARTICLE	IF	CITATIONS
19	Diversity and evolution of actin-dependent phenotypes. <i>Current Opinion in Genetics and Development</i> , 2019, 58-59, 40-48.	3.3	27
20	“The Missing Link”: The Tubulin Mutation Database Connects Over 1500 Missense Mutations With Phenotypes Across Eukaryotes. <i>Cytoskeleton</i> , 2019, 76, 175-176.	2.0	5
21	Concise Language Promotes Clear Thinking about Cell Shape and Locomotion. <i>BioEssays</i> , 2018, 40, e1700225.	2.5	13
22	Relative Quantitation of Polymerized Actin in Suspension Cells by Flow Cytometry. <i>Bio-protocol</i> , 2018, 8, .	0.4	7
23	WASP and SCAR are evolutionarily conserved in actin-filled pseudopod-based motility. <i>Journal of Cell Biology</i> , 2017, 216, 1673-1688.	5.2	91
24	Our evolving view of cell motility. <i>Cell Cycle</i> , 2017, 16, 1735-1736.	2.6	12
25	Non-model model organisms. <i>BMC Biology</i> , 2017, 15, 55.	3.8	164
26	Actin-based protrusions of migrating neutrophils are intrinsically lamellar and facilitate direction changes. <i>ELife</i> , 2017, 6, .	6.0	107
27	Rapid centriole assembly in <i>N</i> reveals conserved roles for both de novo and mentored assembly. <i>Cytoskeleton</i> , 2016, 73, 109-116.	2.0	19
28	Naegleria: a classic model for de novo basal body assembly. <i>Cilia</i> , 2016, 5, 10.	1.8	13
29	Transferred interbacterial antagonism genes augment eukaryotic innate immune function. <i>Nature</i> , 2015, 518, 98-101.	27.8	82
30	Lattice light-sheet microscopy: Imaging molecules to embryos at high spatiotemporal resolution. <i>Science</i> , 2014, 346, 1257998.	12.6	1,567
31	The Naegleria genome: a free-living microbial eukaryote lends unique insights into core eukaryotic cell biology. <i>Research in Microbiology</i> , 2011, 162, 607-618.	2.1	40
32	Plant-type mitochondrial RNA editing in the protist <i>Naegleria gruberi</i> : FIGURE 1.. <i>Rna</i> , 2011, 17, 2058-2062.	3.5	36
33	Intermediary Metabolism in Protists: a Sequence-based View of Facultative Anaerobic Metabolism in Evolutionarily Diverse Eukaryotes. <i>Protist</i> , 2010, 161, 642-671.	1.5	55
34	Ancestral centriole and flagella proteins identified by analysis of <i>Naegleria</i> differentiation. <i>Journal of Cell Science</i> , 2010, 123, 4024-4031.	2.0	29
35	<i>Naegleria gruberi</i> De Novo Basal Body Assembly Occurs via Stepwise Incorporation of Conserved Proteins. <i>Eukaryotic Cell</i> , 2010, 9, 860-865.	3.4	27
36	The Genome of <i>Naegleria gruberi</i> Illuminates Early Eukaryotic Versatility. <i>Cell</i> , 2010, 140, 631-642.	28.9	399

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37	Genomic Analysis of Organismal Complexity in the Multicellular Green Alga <i>Volvox carteri</i> . <i>Science</i> , 2010, 329, 223-226.	12.6	536
38	Kinesin-13 Regulates Flagellar, Interphase, and Mitotic Microtubule Dynamics in <i>Giardia intestinalis</i> . <i>Eukaryotic Cell</i> , 2007, 6, 2354-2364.	3.4	139
39	The <i>Chlamydomonas</i> Genome Reveals the Evolution of Key Animal and Plant Functions. <i>Science</i> , 2007, 318, 245-250.	12.6	2,354
40	Functional Analysis of Avr9/Cf-9 Rapidly Elicited Genes Identifies a Protein Kinase, ACIK1, That Is Essential for Full Cf-9-Dependent Disease Resistance in Tomato. <i>Plant Cell</i> , 2005, 17, 295-310.	6.6	164
41	Phylogenomic Analysis of the Receptor-Like Proteins of Rice and Arabidopsis. <i>Plant Physiology</i> , 2005, 138, 611-623.	4.8	211