Fred D Mast

List of Publications by Year
in descending order

31 papers	1,026 citations	516710 16 h-index	454955 30 g-index
43 all docs	43 docs citations	43 times ranked	1460 citing authors

#	Article	IF	Citations
1	Chromerid genomes reveal the evolutionary path from photosynthetic algae to obligate intracellular parasites. ELife, 2015, 4, e06974.	6.0	198
2	Molecular mechanisms of organelle inheritance: lessons from peroxisomes in yeast. Nature Reviews Molecular Cell Biology, 2010, 11, 644-654.	37.0	76
3	Myosin-driven peroxisome partitioning inS. cerevisiae. Journal of Cell Biology, 2009, 186, 541-554.	5.2	73
4	Endoplasmic Reticulum-Associated Secretory Proteins Sec20p, Sec39p, and Dsl1p Are Involved in Peroxisome Biogenesis. Eukaryotic Cell, 2009, 8, 830-843.	3.4	68
5	Genome-wide analysis of signaling networks regulating fatty acidâ€“induced gene expression and organelle biogenesis. Journal of Cell Biology, 2008, 181, 281-292.	5.2	55
6	A Drosophila model for the Zellweger spectrum of peroxisome biogenesis disorders. DMM Disease Models and Mechanisms, 2011, 4, 659-672.	2.4	54
7	ESCRT-III is required for scissioning new peroxisomes from the endoplasmic reticulum. Journal of Cell Biology, 2018, 217, 2087-2102.	5.2	53
8	Peroxins Pex30 and Pex29 Dynamically Associate with Reticulons to Regulate Peroxisome Biogenesis from the Endoplasmic Reticulum. Journal of Biological Chemistry, 2016, 291, 15408-15427.	3.4	48
9	Pex3 peroxisome biogenesis proteins function in peroxisome inheritance as class V myosin receptors. Journal of Cell Biology, 2009, 187, 233-246.	5.2	42
10	Systems cell biology. Journal of Cell Biology, 2014, 206, 695-706.	5.2	39
11	Highly synergistic combinations of nanobodies that target SARS-CoV-2 and are resistant to escape. ELife, 2021, 10, .	6.0	36
12	Signaling dynamics and peroxisomes. Current Opinion in Cell Biology, 2015, 35, 131-136.	5.4	30
13	Peroxisome Biogenesis: Something Old, Something New, Something Borrowed. Physiology, 2010, 25, 347-356.	3.1	28
14	Evolutionary mechanisms for establishing eukaryotic cellular complexity. Trends in Cell Biology, 2014, 24, 435-442.	7.9	26
15	Crippling life support for SARS-CoV-2 and other viruses through synthetic lethality. Journal of Cell Biology, 2020, 219, .	5.2	20
16	Peroxisome prognostications: Exploring the birth, life, and death of an organelle. Journal of Cell Biology, 2020, 219, .	5.2	18
17	One-Cell Doubling Evaluation by Living Arrays of Yeast, ODELAY!. G3: Genes, Genomes, Genetics, 2017, 7, 279-288.	1.8	17
18	An ancestral role in peroxisome assembly is retained by the divisional peroxin Pex11 in the yeast Yarrowia lipolytica. Journal of Cell Science, 2015, 128, 1327-1340.	2.0	16

#	Article	IF	Citations
19	Plasmodium Secretion Induces Hepatocyte Lysosome Exocytosis and Promotes Parasite Entry. IScience, 2019, 21, 603-611.	4.1	16
20	Adaptive Prediction Emerges Over Short Evolutionary Time Scales. Genome Biology and Evolution, 2017, 9, 1616-1623.	2.5	14
21	Emergent Complexity in Myosin V-Based Organelle Inheritance. Molecular Biology and Evolution, 2012, 29, 975-984.	8.9	11
22	Alterations in Phosphorylation of Hepatocyte Ribosomal Protein S6 Control Plasmodium Liver Stage Infection. Cell Reports, 2019, 26, 3391-3399.e4.	6.4	11
23	Angiotensin II receptor I auto-antibodies following SARS-CoV-2 infection. PLoS ONE, 2021, 16, e0259902.	2.5	10
24	A genome-wide CRISPR-Cas9 screen identifies CENPJ as a host regulator of altered microtubule organization during Plasmodium liver infection. Cell Chemical Biology, 2022, 29, 1419-1433.e5.	5.2	10
25	The peroxisomal protein importomer: a bunch of transients with expanding waistlines. Nature Cell Biology, 2010, 12, 203-205.	10.3	9
26	ODELAM, rapid sequence-independent detection of drug resistance in isolates of Mycobacterium tuberculosis. ELife, 2020, 9, .	6.0	8
27	Phylogenetic Analysis of Glycerol 3-Phosphate Acyltransferases in Opisthokonts Reveals Unexpected Ancestral Complexity and Novel Modern Biosynthetic Components. PLoS ONE, 2014, 9, e110684.	2.5	7
28	ILF3 Is a Negative Transcriptional Regulator of Innate Immune Responses and Myeloid Dendritic Cell Maturation. Journal of Immunology, 2021, 206, 2949-2965.	0.8	7
29	Characterization of Peroxisomal Regulation Networks. Sub-Cellular Biochemistry, 2018, 89, 367-382.	2.4	5
30	ODELAY: A Large-scale Method for Multi-parameter Quantification of Yeast Growth. Journal of Visualized Experiments, 2017, , .	0.3	3
31	YJL185c encodes a peroxisomal protein that binds Inp1p and is required for peroxisome retention. FASEB Journal, 2008, 22, 263-263.	0.5	0