Lael D Barlow

List of Publications by Year
in descending order

16 papers	1,005 citations	759233 12 h-index	940533 16 g-index
17 all docs	17 docs citations	17 times ranked	2188 citing authors

#	Article	IF	Citations
1	A Eukaryote without a Mitochondrial Organelle. Current Biology, 2016, 26, 1274-1284.	3.9	302
2	The Fifth Adaptor Protein Complex. PLoS Biology, 2011, 9, e1001170.	5.6	241
3	A Role for the Ancient SNARE Syntaxin 17 in Regulating Mitochondrial Division. Developmental Cell, 2015, 32, 304-317.	7.0	126
4	Tracing animal genomic evolution with the chromosomal-level assembly of the freshwater sponge Ephydatia muelleri. Nature Communications, 2020, 11, 3676.	12.8	72
5	The Oxymonad Genome Displays Canonical Eukaryotic Complexity in the Absence of a Mitochondrion. Molecular Biology and Evolution, 2019, 36, 2292-2312.	8.9	49
6	Evolution and Natural History of Membrane Trafficking in Eukaryotes. Current Biology, 2020, 30, R553-R564.	3.9	36
7	A sophisticated, differentiated Golgi in the ancestor of eukaryotes. BMC Biology, 2018, 16, 27.	3.8	35
8	Evolutionary mechanisms for establishing eukaryotic cellular complexity. Trends in Cell Biology, 2014, 24, 435-442.	7.9	26
9	Evolution of the endomembrane systems of trypanosomatids: conservation and specialisation. Journal of Cell Science, 2017, 130, 1421-1434.	2.0	23
10	From all to (nearly) none. Cellular Logistics, 2014, 4, e28114.	0.9	22
11	A comparative analysis of trypanosomatid SNARE proteins. Parasitology International, 2014, 63, 341-348.	1.3	17
12	Seeing the endomembrane system for the trees: Evolutionary analysis highlights the importance of plants as models for eukaryotic membrane-trafficking. Seminars in Cell and Developmental Biology, 2018, 80, 142-152.	5.0	17
13	The Mastigamoeba balamuthi Genome and the Nature of the Free-Living Ancestor of Entamoeba. Molecular Biology and Evolution, 2021, 38, 2240-2259.	8.9	14
14	Recent gene duplications dominate evolutionary dynamics of adaptor protein complex subunits in embryophytes. Traffic, 2019, 20, 961-973.	2.7	10
15	Evolutionary cell biology traces the rise of the exomer complex in Fungi from an ancient eukaryotic component. Scientific Reports, 2018, 8, 11154.	3.3	7
16	Evolution and diversification of the nuclear envelope. Nucleus, 2021, 12, 21-41.	2.2	6