

# Joel B Dacks

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

132  
papers

7,540<sup>0</sup>  
citations

47  
h-index

85  
g-index

153  
ext. papers

8,715  
ext. citations

7.2  
avg, IF

5.87  
L-index

| #   | Paper   | IF   | Citations |
|-----|---|------|-----------|
| 132 | Draft genome sequence of the sexually transmitted pathogen <i>Trichomonas vaginalis</i> . <i>Science</i> , <b>2007</b> , 315, 207-12  | 33.3 | 622       |
| 131 | Phylogenomic analyses support the monophyly of Excavata and resolve relationships among eukaryotic "supergroups". <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 3859-64 | 11.5 | 401       |
| 130 | Pan genome of the phytoplankton <i>Emiliana</i> underpins its global distribution. <i>Nature</i> , <b>2013</b> , 499, 209-13  | 50.4 | 356       |
| 129 | The genome of <i>Naegleria gruberi</i> illuminates early eukaryotic versatility. <i>Cell</i> , <b>2010</b> , 140, 631-42  | 56.2 | 346       |
| 128 | Algal genomes reveal evolutionary mosaicism and the fate of nucleomorphs. <i>Nature</i> , <b>2012</b> , 492, 59-65  | 50.4 | 304       |
| 127 | Evolution of the eukaryotic membrane-trafficking system: origin, tempo and mode. <i>Journal of Cell Science</i> , <b>2007</b> , 120, 2977-85  | 5.3  | 216       |
| 126 | A Eukaryote without a Mitochondrial Organelle. <i>Current Biology</i> , <b>2016</b> , 26, 1274-84   | 6.3  | 213       |
| 125 | The fifth adaptor protein complex. <i>PLoS Biology</i> , <b>2011</b> , 9, e1001170  | 9.7  | 205       |
| 124 | Evolution of the multivesicular body ESCRT machinery; retention across the eukaryotic lineage. <i>Traffic</i> , <b>2008</b> , 9, 1698-716   | 5.7  | 198       |
| 123 | Control systems for membrane fusion in the ancestral eukaryote; evolution of tethering complexes and SM proteins. <i>BMC Evolutionary Biology</i> , <b>2007</b> , 7, 29   | 3    | 166       |
| 122 | Origin of H1 linker histones. <i>FASEB Journal</i> , <b>2001</b> , 15, 34-42  | 0.9  | 164       |
| 121 | Evolutionary origins of the eukaryotic shikimate pathway: gene fusions, horizontal gene transfer, and endosymbiotic replacements. <i>Eukaryotic Cell</i> , <b>2006</b> , 5, 1517-31   |      | 155       |
| 120 | Evolution of filamentous plant pathogens: gene exchange across eukaryotic kingdoms. <i>Current Biology</i> , <b>2006</b> , 16, 1857-64  | 6.3  | 154       |
| 119 | Chromerid genomes reveal the evolutionary path from photosynthetic algae to obligate intracellular parasites. <i>ELife</i> , <b>2015</b> , 4, e06974  | 8.9  | 138       |
| 118 | Molecular paleontology and complexity in the last eukaryotic common ancestor. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , <b>2013</b> , 48, 373-96  | 8.7  | 128       |
| 117 | Sculpting the endomembrane system in deep time: high resolution phylogenetics of Rab GTPases. <i>Journal of Cell Science</i> , <b>2012</b> , 125, 2500-8  | 5.3  | 115       |
| 116 | Phylogeny of endocytic components yields insight into the process of nonendosymbiotic organelle evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 588-93         | 11.5 | 114       |

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|-----|---|------|-----|
| 115 | Reconstructing/deconstructing the earliest eukaryotes: how comparative genomics can help. <i>Cell</i> , <b>2001</b> , 107, 419-25   | 56.2 | 108 |
| 114 | The first sexual lineage and the relevance of facultative sex. <i>Journal of Molecular Evolution</i> , <b>1999</b> , 48, 779-83   | 3.1  | 108 |
| 113 | First and last ancestors: reconstructing evolution of the endomembrane system with ESCRTs, vesicle coat proteins, and nuclear pore complexes. <i>Current Opinion in Cell Biology</i> , <b>2009</b> , 21, 4-13 | 9    | 101 |
| 112 | Kinetoplastid Phylogenomics Reveals the Evolutionary Innovations Associated with the Origins of Parasitism. <i>Current Biology</i> , <b>2016</b> , 26, 161-172  | 6.3  | 98  |
| 111 | A role for the ancient SNARE syntaxin 17 in regulating mitochondrial division. <i>Developmental Cell</i> , <b>2015</b> , 32, 304-17   | 10.2 | 98  |
| 110 | Characterization of TSET, an ancient and widespread membrane trafficking complex. <i>ELife</i> , <b>2014</b> , 3, e02886  | 8.6  | 88  |
| 109 | ARF GTPases and their GEFs and GAPs: concepts and challenges. <i>Molecular Biology of the Cell</i> , <b>2019</b> , 30, 1249-1271  | 3.5  | 86  |
| 108 | Evolutionary reconstruction of the retromer complex and its function in <i>Trypanosoma brucei</i> . <i>Journal of Cell Science</i> , <b>2011</b> , 124, 1496-509  | 5.3  | 85  |
| 107 | Reconstructing the evolution of the endocytic system: insights from genomics and molecular cell biology. <i>Advances in Experimental Medicine and Biology</i> , <b>2007</b> , 607, 84-96                      | 3.6  | 84  |
| 106 | Eukaryotic systematics: a user's guide for cell biologists and parasitologists. <i>Parasitology</i> , <b>2011</b> , 138, 1638-63  | 2.7  | 83  |
| 105 | Cell biology of micro-organisms and the evolution of the eukaryotic cell. <i>Molecular Biology of the Cell</i> , <b>2012</b> , 23, 974-974  | 3.5  | 78  |
| 104 | The ancient and widespread nature of the ER-mitochondria encounter structure. <i>Molecular Biology and Evolution</i> , <b>2013</b> , 30, 2044-9   | 8.3  | 75  |
| 103 | Ancient homology of the mitochondrial contact site and cristae organizing system points to an endosymbiotic origin of mitochondrial cristae. <i>Current Biology</i> , <b>2015</b> , 25, 1489-95               | 6.3  | 74  |
| 102 | Analyses of RNA Polymerase II genes from free-living protists: phylogeny, long branch attraction, and the eukaryotic big bang. <i>Molecular Biology and Evolution</i> , <b>2002</b> , 19, 830-40              | 8.3  | 74  |
| 101 | Rab protein evolution and the history of the eukaryotic endomembrane system. <i>Cellular and Molecular Life Sciences</i> , <b>2010</b> , 67, 3449-65  | 10.3 | 69  |
| 100 | Evolution of specificity in the eukaryotic endomembrane system. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2009</b> , 41, 330-40  | 5.6  | 64  |
| 99  | Oxymonads are closely related to the excavate taxon <i>Trimastix</i> . <i>Molecular Biology and Evolution</i> , <b>2001</b> , 18, 1034-44   | 8.3  | 62  |
| 98  | Evolution and diversity of the Golgi body. <i>FEBS Letters</i> , <b>2009</b> , 583, 3738-45   | 3.8  | 60  |

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|----|---|------|----|
| 97 | Ultrastructural description of <i>Breviata anathema</i> , n. gen., n. sp., the organism previously studied as " <i>Mastigamoeba invertens</i> ". <i>Journal of Eukaryotic Microbiology</i> , <b>2006</b> , 53, 65-78                      | 3.6  | 59 |
| 96 | Extreme genome diversity in the hyper-prevalent parasitic eukaryote <i>Blastocystis</i> . <i>PLoS Biology</i> , <b>2017</b> , 15, e2003769  | 9.7  | 58 |
| 95 | The changing view of eukaryogenesis - fossils, cells, lineages and how they all come together. <i>Journal of Cell Science</i> , <b>2016</b> , 129, 3695-3703  | 5.3  | 58 |
| 94 | Tracing the Archaeal Origins of Eukaryotic Membrane-Trafficking System Building Blocks. <i>Molecular Biology and Evolution</i> , <b>2016</b> , 33, 1528-41  | 8.3  | 55 |
| 93 | Phylogenetic artifacts can be caused by leucine, serine, and arginine codon usage heterogeneity: dinoflagellate plastid origins as a case study. <i>Systematic Biology</i> , <b>2004</b> , 53, 582-93                                     | 8.4  | 54 |
| 92 | Evolutionary relationship between dinoflagellates bearing obligate diatom endosymbionts: insight into tertiary endosymbiosis. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2000</b> , 50 Pt 6, 2075-2081 | 2.2  | 54 |
| 91 | Novel syntaxin gene sequences from <i>Giardia</i> , <i>Trypanosoma</i> and algae: implications for the ancient evolution of the eukaryotic endomembrane system. <i>Journal of Cell Science</i> , <b>2002</b> , 115, 1635-42               | 5.3  | 53 |
| 90 | Transcriptome, proteome and draft genome of <i>Euglena gracilis</i> . <i>BMC Biology</i> , <b>2019</b> , 17, 11   | 7.3  | 52 |
| 89 | Evidence for Golgi bodies in proposed Golgi-lacking lineages. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2003</b> , 270 Suppl 2, S168-71   | 4.4  | 52 |
| 88 | Missing pieces of an ancient puzzle: evolution of the eukaryotic membrane-trafficking system. <i>Cold Spring Harbor Perspectives in Biology</i> , <b>2014</b> , 6, a016048  | 10.2 | 49 |
| 87 | Novel syntaxin gene sequences from <i>Giardia</i> , <i>Trypanosoma</i> and algae: implications for the ancient evolution of the eukaryotic endomembrane system. <i>Journal of Cell Science</i> , <b>2002</b> , 115, 1635-1642             | 5.3  | 49 |
| 86 | Implications of the new eukaryotic systematics for parasitologists. <i>Parasitology International</i> , <b>2008</b> , 57, 97-104  | 2.1  | 47 |
| 85 | Evolution and diversity of the Golgi. <i>Cold Spring Harbor Perspectives in Biology</i> , <b>2011</b> , 3, a007849  | 10.2 | 44 |
| 84 | Molecular phylogeny of three oxymonad genera: <i>Pyrsonympha</i> , <i>Dinenympha</i> and <i>Oxymonas</i> . <i>Journal of Eukaryotic Microbiology</i> , <b>2003</b> , 50, 190-7  | 3.6  | 44 |
| 83 | ELMO domains, evolutionary and functional characterization of a novel GTPase-activating protein (GAP) domain for Arf protein family GTPases. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 39538-53                         | 5.4  | 43 |
| 82 | Evolution of the karyopherin-II family of nucleocytoplasmic transport factors; ancient origins and continued specialization. <i>PLoS ONE</i> , <b>2011</b> , 6, e19308  | 3.7  | 43 |
| 81 | Molecular and phylogenetic characterization of syntaxin genes from parasitic protozoa. <i>Molecular and Biochemical Parasitology</i> , <b>2004</b> , 136, 123-36  | 1.9  | 42 |
| 80 | Pex3 peroxisome biogenesis proteins function in peroxisome inheritance as class V myosin receptors. <i>Journal of Cell Biology</i> , <b>2009</b> , 187, 233-46  | 7.3  | 41 |

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|----|---|------|----|
| 79 | Comparative genomic analysis of multi-subunit tethering complexes demonstrates an ancient pan-eukaryotic complement and sculpting in Apicomplexa. <i>PLoS ONE</i> , <b>2013</b> , 8, e76278                               | 3.7  | 39 |
| 78 | Arf3 is activated uniquely at the trans-Golgi network by brefeldin A-inhibited guanine nucleotide exchange factors. <i>Molecular Biology of the Cell</i> , <b>2010</b> , 21, 1836-49                                      | 3.5  | 39 |
| 77 | Repeated secondary loss of adaptin complex genes in the Apicomplexa. <i>Parasitology International</i> , <b>2009</b> , 58, 86-94  | 2.1  | 38 |
| 76 | Phylogenetic placement of Trichonympha. <i>Journal of Eukaryotic Microbiology</i> , <b>1998</b> , 45, 445-7   | 3.6  | 38 |
| 75 | Evolution of Tre-2/Bub2/Cdc16 (TBC) Rab GTPase-activating proteins. <i>Molecular Biology of the Cell</i> , <b>2013</b> , 24, 1574-83  | 3.5  | 36 |
| 74 | The single ENTH-domain protein of trypanosomes; endocytic functions and evolutionary relationship with epsin. <i>Traffic</i> , <b>2009</b> , 10, 894-911  | 5.7  | 36 |
| 73 | Reconstructing the mosaic glycolytic pathway of the anaerobic eukaryote <i>Monocercomonoides</i> . <i>Eukaryotic Cell</i> , <b>2006</b> , 5, 2138-46  |      | 35 |
| 72 | Longin and GAF domains: structural evolution and adaptation to the subcellular trafficking machinery. <i>Traffic</i> , <b>2014</b> , 15, 104-21   | 5.7  | 33 |
| 71 | The cloning of one putative octopamine receptor and two putative serotonin receptors from the tobacco hawkmoth, <i>Manduca sexta</i> . <i>Insect Biochemistry and Molecular Biology</i> , <b>2006</b> , 36, 741-7         | 4.5  | 32 |
| 70 | Outerwear through the ages: evolutionary cell biology of vesicle coats. <i>Current Opinion in Cell Biology</i> , <b>2017</b> , 47, 108-116  | 9    | 31 |
| 69 | The mitochondrial genome and a 60-kb nuclear DNA segment from <i>Naegleria fowleri</i> , the causative agent of primary amoebic meningoencephalitis. <i>Journal of Eukaryotic Microbiology</i> , <b>2013</b> , 60, 179-91 | 3.6  | 31 |
| 68 | Multivesicular bodies in the enigmatic amoeboflagellate <i>Breviata anathema</i> and the evolution of ESCRT 0. <i>Journal of Cell Science</i> , <b>2011</b> , 124, 613-21   | 5.3  | 30 |
| 67 | The cell biology of the endocytic system from an evolutionary perspective. <i>Cold Spring Harbor Perspectives in Biology</i> , <b>2014</b> , 6, a016998   | 10.2 | 29 |
| 66 | Ancient complexity, opisthokont plasticity, and discovery of the 11th subfamily of Arf GAP proteins. <i>Traffic</i> , <b>2013</b> , 14, 636-49  | 5.7  | 29 |
| 65 | How oxymonads lost their groove: an ultrastructural comparison of <i>Monocercomonoides</i> and excavate taxa. <i>Journal of Eukaryotic Microbiology</i> , <b>2002</b> , 49, 239-48  | 3.6  | 28 |
| 64 | Unexpected ancient paralogs and an evolutionary model for the COPII coat complex. <i>Genome Biology and Evolution</i> , <b>2015</b> , 7, 1098-109   | 3.9  | 25 |
| 63 | Evolutionary origins and specialisation of membrane transport. <i>Current Opinion in Cell Biology</i> , <b>2018</b> , 53, 70-76   | 9    | 25 |
| 62 | Comparative analysis of plant genomes allows the definition of the "Phytolongins": a novel non-SNARE longin domain protein family. <i>BMC Genomics</i> , <b>2009</b> , 10, 510  | 4.5  | 23 |

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|----|---|------|----|
| 61 | The evolution of MICOS: Ancestral and derived functions and interactions. <i>Communicative and Integrative Biology</i> , <b>2015</b> , 8, e1094593  | 1.7  | 22 |
| 60 | A sophisticated, differentiated Golgi in the ancestor of eukaryotes. <i>BMC Biology</i> , <b>2018</b> , 16, 27  | 7.3  | 21 |
| 59 | A role for adaptor protein complex 1 in protein targeting to rhoptry organelles in <i>Plasmodium falciparum</i> . <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2015</b> , 1853, 699-710      | 4.9  | 20 |
| 58 | From all to (nearly) none: Tracing adaptin evolution in Fungi. <i>Cellular Logistics</i> , <b>2014</b> , 4, e28114  |      | 20 |
| 57 | Interaction with the effector dynamin-related protein 1 (Drp1) is an ancient function of Rab32 subfamily proteins. <i>Cellular Logistics</i> , <b>2014</b> , 4, e986399   |      | 20 |
| 56 | Evolutionary mechanisms for establishing eukaryotic cellular complexity. <i>Trends in Cell Biology</i> , <b>2014</b> , 24, 435-42   | 18.3 | 20 |
| 55 | An evolutionary balance: conservation vs innovation in ciliate membrane trafficking. <i>Traffic</i> , <b>2017</b> , 18, 18-28   | 5.7  | 19 |
| 54 | Next-Generation Sequencing Assessment of Eukaryotic Diversity in Oil Sands Tailings Ponds Sediments and Surface Water. <i>Journal of Eukaryotic Microbiology</i> , <b>2016</b> , 63, 732-743                        | 3.6  | 19 |
| 53 | The Oxymonad Genome Displays Canonical Eukaryotic Complexity in the Absence of a Mitochondrion. <i>Molecular Biology and Evolution</i> , <b>2019</b> , 36, 2292-2312  | 8.3  | 18 |
| 52 | Hydrogenosomal succinyl-CoA synthetase from the rumen-dwelling fungus <i>Neocallimastix patriciarum</i> ; an energy-producing enzyme of mitochondrial origin. <i>Gene</i> , <b>2006</b> , 373, 75-82                | 3.8  | 18 |
| 51 | Evolution of the endomembrane systems of trypanosomatids - conservation and specialisation. <i>Journal of Cell Science</i> , <b>2017</b> , 130, 1421-1434   | 5.3  | 17 |
| 50 | Plastid Transcript Editing across Dinoflagellate Lineages Shows Lineage-Specific Application but Conserved Trends. <i>Genome Biology and Evolution</i> , <b>2018</b> , 10, 1019-1038                                | 3.9  | 17 |
| 49 | Cryptic organelle homology in apicomplexan parasites: insights from evolutionary cell biology. <i>Current Opinion in Microbiology</i> , <b>2013</b> , 16, 424-31  | 7.9  | 17 |
| 48 | Resolving the homology-function relationship through comparative genomics of membrane-trafficking machinery and parasite cell biology. <i>Molecular and Biochemical Parasitology</i> , <b>2016</b> , 209, 88-103    | 1.9  | 17 |
| 47 | A comparative analysis of trypanosomatid SNARE proteins. <i>Parasitology International</i> , <b>2014</b> , 63, 341-8  | 2.1  | 16 |
| 46 | Evolution and Natural History of Membrane Trafficking in Eukaryotes. <i>Current Biology</i> , <b>2020</b> , 30, R553-R564   | 3.5  | 14 |
| 45 | Remodeling the Specificity of an Endosomal CORVET Tether Underlies Formation of Regulated Secretory Vesicles in the Ciliate <i>Tetrahymena thermophila</i> . <i>Current Biology</i> , <b>2018</b> , 28, 697-710.e13 | 6.3  | 14 |
| 44 | Nuclear condensation in protozoan gametes and the evolution of anisogamy. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , <b>1999</b> , 124, 287-295                | 2.6  | 14 |

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|----|---|-----|----|
| 43 | Evolutionary cell biology: functional insight from "endless forms most beautiful". <i>Molecular Biology of the Cell</i> , <b>2015</b> , 26, 4532-8  | 3.5 | 13 |
| 42 | A characterization of the <i>Manduca sexta</i> serotonin receptors in the context of olfactory neuromodulation. <i>PLoS ONE</i> , <b>2013</b> , 8, e69422   | 3.7 | 13 |
| 41 | An ancestral role in peroxisome assembly is retained by the divisional peroxin Pex11 in the yeast <i>Yarrowia lipolytica</i> . <i>Journal of Cell Science</i> , <b>2015</b> , 128, 1327-40  | 5.3 | 12 |
| 40 | Seeing the endomembrane system for the trees: Evolutionary analysis highlights the importance of plants as models for eukaryotic membrane-trafficking. <i>Seminars in Cell and Developmental Biology</i> , <b>2018</b> , 80, 142-152                      | 7.5 | 12 |
| 39 | Progressive and Biased Divergent Evolution Underpins the Origin and Diversification of Peridinin Dinoflagellate Plastids. <i>Molecular Biology and Evolution</i> , <b>2017</b> , 34, 361-379  | 8.3 | 12 |
| 38 | A pan-apicomplexan phosphoinositide-binding protein acts in malarial microneme exocytosis. <i>EMBO Reports</i> , <b>2019</b> , 20,  | 6.5 | 10 |
| 37 | An ER-directed transcriptional response to unfolded protein stress in the absence of conserved sensor-transducer proteins in <i>Giardia lamblia</i> . <i>Molecular Microbiology</i> , <b>2013</b> , 88, 754-71  | 4.1 | 10 |
| 36 | Emergent complexity in Myosin V-based organelle inheritance. <i>Molecular Biology and Evolution</i> , <b>2012</b> , 29, 975-84  | 8.3 | 10 |
| 35 | Phylogenetic and primary sequence characterization of cathepsin B cysteine proteases from the oxymonad flagellate <i>Monocercomonoides</i> . <i>Journal of Eukaryotic Microbiology</i> , <b>2008</b> , 55, 9-17   | 3.6 | 10 |
| 34 | Exclusive expression of the Rab11 effector SH3TC2 in Schwann cells links integrin- $\beta$ and myelin maintenance to Charcot-Marie-Tooth disease type 4C. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2016</b> , 1862, 1279-90 | 6.9 | 10 |
| 33 | Membrane Trafficking Modulation during <i>Entamoeba</i> Encystation. <i>Scientific Reports</i> , <b>2017</b> , 7, 12854   | 4.9 | 9  |
| 32 | Ancient complement and lineage-specific evolution of the Sec7 ARF GEF proteins in eukaryotes. <i>Molecular Biology of the Cell</i> , <b>2019</b> , 30, 1846-1863  | 3.5 | 9  |
| 31 | Losses, Expansions, and Novel Subunit Discovery of Adaptor Protein Complexes in Haptophyte Algae. <i>Protist</i> , <b>2015</b> , 166, 585-97  | 2.5 | 9  |
| 30 | Regulation of early endosomes across eukaryotes: Evolution and functional homology of Vps9 proteins. <i>Traffic</i> , <b>2018</b> , 19, 546-563   | 5.7 | 9  |
| 29 | Complex patterns of gene fission in the eukaryotic folate biosynthesis pathway. <i>Genome Biology and Evolution</i> , <b>2014</b> , 6, 2709-20  | 3.9 | 9  |
| 28 | A novel Rho-like protein TbRHP is involved in spindle formation and mitosis in trypanosomes. <i>PLoS ONE</i> , <b>2011</b> , 6, e26890  | 3.7 | 8  |
| 27 | A comparative $\beta$ mics approach to candidate pathogenicity factor discovery in the brain-eating amoeba <i>Naegleria fowleri</i>   |     | 8  |
| 26 | Atypical phenotypes from flatworm Kv3 channels. <i>Journal of Neurophysiology</i> , <b>2006</b> , 95, 3035-46   | 3.2 | 7  |



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|----|--|------|---|
| 25 | Genomics and transcriptomics yields a system-level view of the biology of the pathogen <i>Naegleria fowleri</i> . <i>BMC Biology</i> , <b>2021</b> , 19, 142   | 7.3  | 7 |
| 24 | The <i>Mastigamoeba balamuthi</i> Genome and the Nature of the Free-Living Ancestor of <i>Entamoeba</i> . <i>Molecular Biology and Evolution</i> , <b>2021</b> , 38, 2240-2259   | 8.3  | 7 |
| 23 | Phylogenetic analysis of glycerol 3-phosphate acyltransferases in opisthokonts reveals unexpected ancestral complexity and novel modern biosynthetic components. <i>PLoS ONE</i> , <b>2014</b> , 9, e110684  | 3.7  | 6 |
| 22 | Mechanism and evolution of the Zn-fingernail required for interaction of VARP with VPS29. <i>Nature Communications</i> , <b>2020</b> , 11, 5031  | 17.4 | 6 |
| 21 | Recent gene duplications dominate evolutionary dynamics of adaptor protein complex subunits in embryophytes. <i>Traffic</i> , <b>2019</b> , 20, 961-973  | 5.7  | 5 |
| 20 | Phylogenetic Estimation of Community Composition and Novel Eukaryotic Lineages in Base Mine Lake: An Oil Sands Tailings Reclamation Site in Northern Alberta. <i>Journal of Eukaryotic Microbiology</i> , <b>2020</b> , 67, 86-99                                      | 3.6  | 5 |
| 19 | Identification and characterisation of a cryptic Golgi complex in. <i>Journal of Cell Science</i> , <b>2018</b> , 131,   | 5.3  | 4 |
| 18 | Phylogeny and Evolution <b>2016</b> , 383-408  |      | 3 |
| 17 | Evolutionary cell biology traces the rise of the exomer complex in Fungi from an ancient eukaryotic component. <i>Scientific Reports</i> , <b>2018</b> , 8, 11154  | 4.9  | 3 |
| 16 | Genetic analysis of ID1-DBL2X predicts its validity as a vaccine candidate in Colombia and supports at least two independently introduced <i>Plasmodium falciparum</i> populations in the region. <i>Infection, Genetics and Evolution</i> , <b>2017</b> , 55, 175-185 | 4.5  | 3 |
| 15 | Unexpected organellar locations of ESCRT machinery in <i>Giardia intestinalis</i> and complex evolutionary dynamics spanning the transition to parasitism in the lineage Fornicata. <i>BMC Biology</i> , <b>2021</b> , 19, 167   | 7.3  | 3 |
| 14 | Evolution: Parallel Paths to Parasitism in the Apicomplexa. <i>Current Biology</i> , <b>2019</b> , 29, R836-R839   | 6.3  | 2 |
| 13 | Unlocking the biological potential of <i>Euglena gracilis</i> : evolution, cell biology and significance to parasitism   |      | 2 |
| 12 | Phylogenetic and biochemical analysis of casequestrin structure and association of its variants with cardiac disorders. <i>Scientific Reports</i> , <b>2020</b> , 10, 18115  | 4.9  | 2 |
| 11 | A Eukaryote-Wide Perspective on the Diversity and Evolution of the ARF GTPase Protein Family. <i>Genome Biology and Evolution</i> , <b>2021</b> , 13,  | 3.9  | 2 |
| 10 | Microbial Eukaryotes in Oil Sands Environments: Heterotrophs in the Spotlight. <i>Microorganisms</i> , <b>2019</b> , 7,  | 4.9  | 1 |
| 9  | The Ancient and Widespread Nature of the ER Mitochondria Encounter Structure. <i>Molecular Biology and Evolution</i> , <b>2014</b> , 31, 251-251   | 8.3  | 1 |
| 8  | Massive differential expansion of the <i>Trichomonas vaginalis</i> adaptin genomic complement. <i>Journal of Eukaryotic Microbiology</i> , <b>2005</b> , 52, 7S-27S  | 3.6  | 1 |



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|---|---|-----|---|
| 7 | A Phosphoinositide-Binding Protein Acts in the Trafficking Pathway of Hemoglobin in the Malaria Parasite <i>Plasmodium falciparum</i> .. <i>MBio</i> , <b>2022</b> , e0323921                                       | 7.8 | 1 |
| 6 | Distribution of Membrane Trafficking System Components Across Ciliate Diversity Highlights Heterogenous Organelle-Associated Machinery.. <i>Traffic</i> , <b>2022</b> ,   | 5.7 | 1 |
| 5 | The reduced ARF regulatory system in <i>Giardia intestinalis</i> pre-dates the transition to parasitism in the lineage Fornicata. <i>International Journal for Parasitology</i> , <b>2021</b> , 51, 825-839         | 4.3 | 1 |
| 4 | Proteomic analysis of <i>Trichomonas vaginalis</i> phagolysosome, lysosomal targeting, and unconventional secretion of cysteine peptidases. <i>Molecular and Cellular Proteomics</i> , <b>2021</b> , 100174         | 7.6 | 0 |
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| 2 | Evolution of the eukaryotic endomembrane system - first and last ancestors. <i>FASEB Journal</i> , <b>2009</b> , 23, 319.2  | 0.9 |   |
| 1 | Evolving eukaryotes: an interview with Joel Dacks. <i>BMC Biology</i> , <b>2018</b> , 16, 119   | 7.3 |   |