Aaron P Turkewitz

List of Publications by Citations

48 papers	1,706 citations	21 h-index	41 g-index
57 ext. papers	2,019 ext. citations	6.1 avg, IF	4.29 L-index

#	Paper	IF	Citations
48	Macronuclear genome sequence of the ciliate Tetrahymena thermophila, a model eukaryote. *PLoS Biology*, **2006**, 4, e286	9.7	544
47	Functional genomics: the coming of age for Tetrahymena thermophila. *Trends in Genetics*, **2002**, 18, 35-40	8.5	94
46	Elucidation of clathrin-mediated endocytosis in tetrahymena reveals an evolutionarily convergent recruitment of dynamin. *PLoS Genetics*, **2005**, 1, e52	6	82
45	Evolutionary cell biology: two origins, one objective. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 16990-4	11.5	75
44	Comprehensive analysis reveals dynamic and evolutionary plasticity of Rab GTPases and membrane traffic in Tetrahymena thermophila. *PLoS Genetics*, **2010**, 6, e1001155	6	63
43	Whole-cell biosensors for detection of heavy metal ions in environmental samples based on metallothionein promoters from Tetrahymena thermophila. *Microbial Biotechnology*, **2011**, 4, 513-22	6.3	61
42	Out with a bang! Tetrahymena as a model system to study secretory granule biogenesis. *Traffic*, **2004**, 5, 63-8	5.7	55
41	Genetic tool development in marine protists: emerging model organisms for experimental cell biology. *Nature Methods*, **2020**, 17, 481-494	21.6	39
40	Functional GFP-metallothionein fusion protein from Tetrahymena thermophila: a potential whole-cell biosensor for monitoring heavy metal pollution and a cell model to study metallothionein overproduction effects. *BioMetals*, **2014**, 27, 195-205	3.4	38
39	Proteolytic processing and Ca2+-binding activity of dense-core vesicle polypeptides in Tetrahymena. *Molecular Biology of the Cell*, **1998**, 9, 497-511	3.5	37
38	Lysosomal sorting receptors are essential for secretory granule biogenesis in Tetrahymena. *Journal of Cell Biology*, **2013**, 203, 537-50	7.3	36
37	In vivo analysis of the major exocytosis-sensitive phosphoprotein in Tetrahymena. *Journal of Cell Biology*, **1997**, 139, 1197-207	7.3	29
36	Large-scale purification of murine I-Ak and I-Ek antigens and characterization of the purified proteins. *Molecular Immunology*, **1983**, 20, 1139-47	4.3	28
35	Analysis of expressed sequence tags (ESTs) in the ciliated protozoan Tetrahymena thermophila. *Journal of Eukaryotic Microbiology*, **2002**, 49, 99-107	3.6	27
34	Genomic and proteomic evidence for a second family of dense core granule cargo proteins in Tetrahymena thermophila. *Journal of Eukaryotic Microbiology*, **2005**, 52, 291-7	3.6	27
33	N-methyldeoxyadenosine directs nucleosome positioning in Tetrahymena DNA. *Genome Biology*, **2018**, 19, 200	18.3	26
32	Purification of murine MHC antigens by monoclonal antibody affinity chromatography. *Methods in Enzymology*, **1983**, 92, 86-109	1.7	25

31	Genetic, genomic, and functional analysis of the granule lattice proteins in Tetrahymena secretory granules. *Molecular Biology of the Cell*, **2005**, 16, 4046-60	3.5	24
30	Analysis of a mutant exhibiting conditional sorting to dense core secretory granules in Tetrahymena thermophila. *Genetics*, **2001**, 159, 1605-16	4	24
29	Core formation and the acquisition of fusion competence are linked during secretory granule maturation in Tetrahymena. *Traffic*, **2005**, 6, 303-23	5.7	23
28	A role for convergent evolution in the secretory life of cells. *Trends in Cell Biology*, **2007**, 17, 157-64	18.3	21
27	Immunocytochemical analysis of secretion mutants of Tetrahymena using a mucocyst-specific monoclonal antibody. *Genesis*, **1992**, 13, 151-9		20
26	An evolutionary balance: conservation vs innovation in ciliate membrane trafficking. *Traffic*, **2017**, 18, 18-28	5.7	19
25	A dynamin-related protein required for nuclear remodeling in Tetrahymena. *Current Biology*, **2008**, 18, 1227-33	6.3	19
24	New class of cargo protein in Tetrahymena thermophila dense core secretory granules. *Eukaryotic Cell*, **2002**, 1, 583-93		19
23	Resolving the homology-function relationship through comparative genomics of membrane-trafficking machinery and parasite cell biology. *Molecular and Biochemical Parasitology*, **2016**, 209, 88-103	1.9	17
22	The cytochrome b5 dependent C-5(6) sterol desaturase DES5A from the endoplasmic reticulum of Tetrahymena thermophila complements ergosterol biosynthesis mutants in Saccharomyces cerevisiae. *Steroids*, **2012**, 77, 1313-20	2.8	15
21	Conservation and innovation in Tetrahymena membrane traffic: proteins, lipids, and compartments. *Methods in Cell Biology*, **2012**, 109, 141-75	1.8	15
20	Remodeling the Specificity of an Endosomal CORVET Tether Underlies Formation of Regulated Secretory Vesicles in the Ciliate Tetrahymena thermophila. *Current Biology*, **2018**, 28, 697-710.e13	6.3	14
19	Independent transport and sorting of functionally distinct protein families in Tetrahymena thermophila dense core secretory granules. *Eukaryotic Cell*, **2009**, 8, 1575-83		14
18	Regulated protein secretion in Tetrahymena thermophila. *Methods in Cell Biology*, **2000**, 62, 347-62	1.8	14
17	An endosomal syntaxin and the AP-3 complex are required for formation and maturation of candidate lysosome-related secretory organelles (mucocysts) in. *Molecular Biology of the Cell*, **2017**, 28, 1551-1564	3.5	13
16	An aspartyl cathepsin, CTH3, is essential for proprotein processing during secretory granule maturation in Tetrahymena thermophila. *Molecular Biology of the Cell*, **2014**, 25, 2444-60	3.5	13
15	Proprotein processing within secretory dense core granules of Tetrahymena thermophila. *Journal of Biological Chemistry*, **2003**, 278, 4087-95	5.4	13
14	Extreme metal adapted, knockout and knockdown strains reveal a coordinated gene expression among different Tetrahymena thermophila metallothionein isoforms. *PLoS ONE*, **2017**, 12, e0189076	3.7	13

13	An Alveolata secretory machinery adapted to parasite host cell invasion. *Nature Microbiology*, **2021**, 6, 425-434	26.6	13
12	Tetrahymena thermophila: a divergent perspective on membrane traffic. *Journal of Experimental Zoology Part B: Molecular and Developmental Evolution*, **2014**, 322, 500-16	1.8	12
11	Secretion of Polypeptide Crystals from Tetrahymena thermophila Secretory Organelles (Mucocysts) Depends on Processing by a Cysteine Cathepsin, Cth4p. *Eukaryotic Cell*, **2015**, 14, 817-33		10
10	Genome plasticity in response to stress in Tetrahymena thermophila: selective and reversible chromosome amplification and paralogous expansion of metallothionein genes. *Environmental Microbiology*, **2018**, 20, 2410-2421	5.2	9
9	A Rab-based view of membrane traffic in the ciliate Tetrahymena thermophila. *Small GTPases*, **2011** , 2, 222-226	2.7	8
8	Whole Genome Sequencing Identifies a Novel Factor Required for Secretory Granule Maturation in Tetrahymena thermophila. *G3: Genes, Genomes, Genetics*, **2016**, 6, 2505-16	3.2	8
7	Diversification of CORVET tethers facilitates transport complexity in. *Journal of Cell Science*, **2020**, 133,	5.3	5
6	The evolution of germ-soma nuclear differentiation in eukaryotic unicells. *Current Biology*, **2020**, 30, R502-R510	8.3	5
5	ESCargo: a regulatable fluorescent secretory cargo for diverse model organisms. *Molecular Biology of the Cell*, **2020**, 31, 2892-2903	3.5	4
4	Biogenesis of Dense-Core Secretory Granules **2009**, 183-209		4
3	The Co-regulation Data Harvester: automating gene annotation starting from a transcriptome database. *SoftwareX*, **2017**, 6, 165-171	2.7	1
2	Stalking the wild Tetrahymena. *Molecular Ecology*, **2013**, 22, 912-4	5.7	1
1	A novel membrane complex is required for docking and regulated exocytosis of lysosome-related organelles in Tetrahymena thermophila.. *PLoS Genetics*, **2022**, 18, e1010194	6	0