

Aaron P Turkewitz

List of Publications by Year in Descending Order

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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.

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	A novel membrane complex is required for docking and regulated exocytosis of lysosome-related organelles in <i>Tetrahymena thermophila</i> . <i>PLoS Genetics</i> , 2022 , 18, e1010194	6	0
47	An Alveolata secretory machinery adapted to parasite host cell invasion. <i>Nature Microbiology</i> , 2021 , 6, 425-434	26.6	13
46	Diversification of CORVET tethers facilitates transport complexity in. <i>Journal of Cell Science</i> , 2020 , 133,	5.3	5
45	Genetic tool development in marine protists: emerging model organisms for experimental cell biology. <i>Nature Methods</i> , 2020 , 17, 481-494	21.6	39
44	The evolution of germ-soma nuclear differentiation in eukaryotic unicells. <i>Current Biology</i> , 2020 , 30, R502-R510	35	5
43	ESCargo: a regulatable fluorescent secretory cargo for diverse model organisms. <i>Molecular Biology of the Cell</i> , 2020 , 31, 2892-2903	3.5	4
42	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> , 2018 , 28, 697-710.e13	6.3	14
41	Genome plasticity in response to stress in <i>Tetrahymena thermophila</i> : selective and reversible chromosome amplification and paralogous expansion of metallothionein genes. <i>Environmental Microbiology</i> , 2018 , 20, 2410-2421	5.2	9
40	N-methyldeoxyadenosine directs nucleosome positioning in <i>Tetrahymena</i> DNA. <i>Genome Biology</i> , 2018 , 19, 200	18.3	26
39	An endosomal syntaxin and the AP-3 complex are required for formation and maturation of candidate lysosome-related secretory organelles (mucocysts) in. <i>Molecular Biology of the Cell</i> , 2017 , 28, 1551-1564	3.5	13
38	The Co-regulation Data Harvester: automating gene annotation starting from a transcriptome database. <i>SoftwareX</i> , 2017 , 6, 165-171	2.7	1
37	An evolutionary balance: conservation vs innovation in ciliate membrane trafficking. <i>Traffic</i> , 2017 , 18, 18-28	5.7	19
36	Extreme metal adapted, knockout and knockdown strains reveal a coordinated gene expression among different <i>Tetrahymena thermophila</i> metallothionein isoforms. <i>PLoS ONE</i> , 2017 , 12, e0189076	3.7	13
35	Whole Genome Sequencing Identifies a Novel Factor Required for Secretory Granule Maturation in <i>Tetrahymena thermophila</i> . <i>G3: Genes, Genomes, Genetics</i> , 2016 , 6, 2505-16	3.2	8
34	Resolving the homology-function relationship through comparative genomics of membrane-trafficking machinery and parasite cell biology. <i>Molecular and Biochemical Parasitology</i> , 2016 , 209, 88-103	1.9	17
33	Secretion of Polypeptide Crystals from <i>Tetrahymena thermophila</i> Secretory Organelles (Mucocysts) Depends on Processing by a Cysteine Cathepsin, Cth4p. <i>Eukaryotic Cell</i> , 2015 , 14, 817-33		10
32	Functional GFP-metallothionein fusion protein from <i>Tetrahymena thermophila</i> : a potential whole-cell biosensor for monitoring heavy metal pollution and a cell model to study metallothionein overproduction effects. <i>BioMetals</i> , 2014 , 27, 195-205	3.4	38

31	Evolutionary cell biology: two origins, one objective. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 16990-4	11.5	75
30	An aspartyl cathepsin, CTH3, is essential for proprotein processing during secretory granule maturation in <i>Tetrahymena thermophila</i> . <i>Molecular Biology of the Cell</i> , 2014 , 25, 2444-60	3.5	13
29	<i>Tetrahymena thermophila</i> : a divergent perspective on membrane traffic. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2014 , 322, 500-16	1.8	12
28	Stalking the wild <i>Tetrahymena</i> . <i>Molecular Ecology</i> , 2013 , 22, 912-4	5.7	1
27	Lysosomal sorting receptors are essential for secretory granule biogenesis in <i>Tetrahymena</i> . <i>Journal of Cell Biology</i> , 2013 , 203, 537-50	7.3	36
26	The cytochrome b5 dependent C-5(6) sterol desaturase DES5A from the endoplasmic reticulum of <i>Tetrahymena thermophila</i> complements ergosterol biosynthesis mutants in <i>Saccharomyces cerevisiae</i> . <i>Steroids</i> , 2012 , 77, 1313-20	2.8	15
25	Conservation and innovation in <i>Tetrahymena</i> membrane traffic: proteins, lipids, and compartments. <i>Methods in Cell Biology</i> , 2012 , 109, 141-75	1.8	15
24	Whole-cell biosensors for detection of heavy metal ions in environmental samples based on metallothionein promoters from <i>Tetrahymena thermophila</i> . <i>Microbial Biotechnology</i> , 2011 , 4, 513-22	6.3	61
23	A Rab-based view of membrane traffic in the ciliate <i>Tetrahymena thermophila</i> . <i>Small GTPases</i> , 2011 , 2, 222-226	2.7	8
22	Comprehensive analysis reveals dynamic and evolutionary plasticity of Rab GTPases and membrane traffic in <i>Tetrahymena thermophila</i> . <i>PLoS Genetics</i> , 2010 , 6, e1001155	6	63
21	Independent transport and sorting of functionally distinct protein families in <i>Tetrahymena thermophila</i> dense core secretory granules. <i>Eukaryotic Cell</i> , 2009 , 8, 1575-83		14
20	Biogenesis of Dense-Core Secretory Granules 2009 , 183-209		4
19	A dynamin-related protein required for nuclear remodeling in <i>Tetrahymena</i> . <i>Current Biology</i> , 2008 , 18, 1227-33	6.3	19
18	A role for convergent evolution in the secretory life of cells. <i>Trends in Cell Biology</i> , 2007 , 17, 157-64	18.3	21
17	Macronuclear genome sequence of the ciliate <i>Tetrahymena thermophila</i> , a model eukaryote. <i>PLoS Biology</i> , 2006 , 4, e286	9.7	544
16	Genomic and proteomic evidence for a second family of dense core granule cargo proteins in <i>Tetrahymena thermophila</i> . <i>Journal of Eukaryotic Microbiology</i> , 2005 , 52, 291-7	3.6	27
15	Core formation and the acquisition of fusion competence are linked during secretory granule maturation in <i>Tetrahymena</i> . <i>Traffic</i> , 2005 , 6, 303-23	5.7	23
14	Elucidation of clathrin-mediated endocytosis in <i>tetrahymena</i> reveals an evolutionarily convergent recruitment of dynamin. <i>PLoS Genetics</i> , 2005 , 1, e52	6	82

13	Genetic, genomic, and functional analysis of the granule lattice proteins in Tetrahymena secretory granules. <i>Molecular Biology of the Cell</i> , 2005 , 16, 4046-60	3.5	24
12	Out with a bang! Tetrahymena as a model system to study secretory granule biogenesis. <i>Traffic</i> , 2004 , 5, 63-8	5.7	55
11	Proprotein processing within secretory dense core granules of Tetrahymena thermophila. <i>Journal of Biological Chemistry</i> , 2003 , 278, 4087-95	5.4	13
10	Functional genomics: the coming of age for Tetrahymena thermophila. <i>Trends in Genetics</i> , 2002 , 18, 35-40.5	4.5	94
9	Analysis of expressed sequence tags (ESTs) in the ciliated protozoan Tetrahymena thermophila. <i>Journal of Eukaryotic Microbiology</i> , 2002 , 49, 99-107	3.6	27
8	New class of cargo protein in Tetrahymena thermophila dense core secretory granules. <i>Eukaryotic Cell</i> , 2002 , 1, 583-93		19
7	Analysis of a mutant exhibiting conditional sorting to dense core secretory granules in Tetrahymena thermophila. <i>Genetics</i> , 2001 , 159, 1605-16	4	24
6	Regulated protein secretion in Tetrahymena thermophila. <i>Methods in Cell Biology</i> , 2000 , 62, 347-62	1.8	14
5	Proteolytic processing and Ca ²⁺ -binding activity of dense-core vesicle polypeptides in Tetrahymena. <i>Molecular Biology of the Cell</i> , 1998 , 9, 497-511	3.5	37
4	In vivo analysis of the major exocytosis-sensitive phosphoprotein in Tetrahymena. <i>Journal of Cell Biology</i> , 1997 , 139, 1197-207	7.3	29
3	Immunocytochemical analysis of secretion mutants of Tetrahymena using a mucocyst-specific monoclonal antibody. <i>Genesis</i> , 1992 , 13, 151-9		20
2	Large-scale purification of murine I-Ak and I-Ek antigens and characterization of the purified proteins. <i>Molecular Immunology</i> , 1983 , 20, 1139-47	4.3	28
1	Purification of murine MHC antigens by monoclonal antibody affinity chromatography. <i>Methods in Enzymology</i> , 1983 , 92, 86-109	1.7	25