Aaron P Turkewitz

List of Publications by Year
in descending order

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49 papers	2,230 citations	279798 23 h-index	233421 45 g-index
57 all docs	57 docs citations	57 times ranked	2000 citing authors

#	Article	IF	Citations
1	A novel membrane complex is required for docking and regulated exocytosis of lysosome-related organelles in Tetrahymena thermophila. PLoS Genetics, 2022, 18, e1010194.	3.5	6
2	An Alveolata secretory machinery adapted to parasite host cell invasion. Nature Microbiology, 2021, 6, 425-434.	13.3	53
3	ESCargo: a regulatable fluorescent secretory cargo for diverse model organisms. Molecular Biology of the Cell, 2020, 31, 2892-2903.	2.1	15
4	Diversification of CORVET tethers facilitates transport complexity in <i>Tetrahymena thermophila</i>. Journal of Cell Science, 2020, 133, .	2.0	16
5	Genetic tool development in marine protists: emerging model organisms for experimental cell biology. Nature Methods, 2020, 17, 481-494.	19.0	97
6	The evolution of germâ€“soma nuclear differentiation in eukaryotic unicells. Current Biology, 2020, 30, R502-R510.	3.9	8
7	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.	3.9	25
8	Genome plasticity in response to stress in <i>Tetrahymena thermophila</i>: selective and reversible chromosome amplification and paralogous expansion of metallothionein genes. Environmental Microbiology, 2018, 20, 2410-2421.	3.8	25
9	N6-methyldeoxyadenosine directs nucleosome positioning in Tetrahymena DNA. Genome Biology, 2018, 19, 200.	8.8	45
10	An endosomal syntaxin and the AP-3 complex are required for formation and maturation of candidate lysosome-related secretory organelles (mucocysts) in<i>Tetrahymena thermophila</i>. Molecular Biology of the Cell, 2017, 28, 1551-1564.	2.1	18
11	The Co-regulation Data Harvester: Automating gene annotation starting from a transcriptome database. SoftwareX, 2017, 6, 165-171.	2.6	3
12	An evolutionary balance: conservation vs innovation in ciliate membrane trafficking. Traffic, 2017, 18, 18-28.	2.7	27
13	Extreme metal adapted, knockout and knockdown strains reveal a coordinated gene expression among different Tetrahymena thermophila metallothionein isoforms. PLoS ONE, 2017, 12, e0189076.	2.5	25
14	Whole Genome Sequencing Identifies a Novel Factor Required for Secretory Granule Maturation in<i>Tetrahymena thermophila</i>. G3: Genes, Genomes, Genetics, 2016, 6, 2505-2516.	1.8	10
15	Resolving the homologyâ€”function relationship through comparative genomics of membrane-trafficking machinery and parasite cell biology. Molecular and Biochemical Parasitology, 2016, 209, 88-103.	1.1	24
16	Secretion of Polypeptide Crystals from Tetrahymena thermophila Secretory Organelles (Mucocysts) Depends on Processing by a Cysteine Cathepsin, Cth4p. Eukaryotic Cell, 2015, 14, 817-833.	3.4	13
17	An aspartyl cathepsin,<i>CTH3</i>, is essential for proprotein processing during secretory granule maturation in<i>Tetrahymena thermophila</i>. Molecular Biology of the Cell, 2014, 25, 2444-2460.	2.1	18
18	<i>Tetrahymena thermophila</i>: A divergent perspective on membrane traffic. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2014, 322, 500-516.	1.3	15

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19	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.	4.1	51
20	Evolutionary cell biology: Two origins, one objective. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 16990-16994.	7.1	108
21	Stalking the wild T etrahymena. Molecular Ecology, 2013, 22, 912-914.	3.9	1
22	Lysosomal sorting receptors are essential for secretory granule biogenesis in <i>Tetrahymena</i>. Journal of Cell Biology, 2013, 203, 537-550.	5.2	49
23	Conservation and Innovation in Tetrahymena Membrane Traffic: Proteins, Lipids, and Compartments. Methods in Cell Biology, 2012, 109, 141-175.	1.1	22
24	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, 1313-1320.	1.8	17
25	Wholeâ€cell biosensors for detection of heavy metal ions in environmental samples based on metallothionein promoters from <i>Tetrahymena thermophila</i>. Microbial Biotechnology, 2011, 4, 513-522.	4.2	78
26	A Rab-based view of membrane traffic in the ciliate<i>Tetrahymena thermophila</i>. Small GTPases, 2011, 2, 222-226.	1.6	12
27	Comprehensive Analysis Reveals Dynamic and Evolutionary Plasticity of Rab GTPases and Membrane Traffic in Tetrahymena thermophila. PLoS Genetics, 2010, 6, e1001155.	3.5	79
28	Independent Transport and Sorting of Functionally Distinct Protein Families in <i>Tetrahymena thermophila</i> Dense Core Secretory Granules. Eukaryotic Cell, 2009, 8, 1575-1583.	3.4	18
29	Biogenesis of Dense-Core Secretory Granules. , 2009, , 183-209.		5
30	A Dynamin-Related Protein Required for Nuclear Remodeling in Tetrahymena. Current Biology, 2008, 18, 1227-1233.	3.9	23
31	A role for convergent evolution in the secretory life of cells. Trends in Cell Biology, 2007, 17, 157-164.	7.9	22
32	Macronuclear Genome Sequence of the Ciliate Tetrahymena thermophila, a Model Eukaryote. PLoS Biology, 2006, 4, e286.	5.6	657
33	Genomic and Proteomic Evidence for a Second Family of Dense Core Granule Cargo Proteins in Tetrahymena thermophila. Journal of Eukaryotic Microbiology, 2005, 52, 291-297.	1.7	29
34	Core Formation and the Acquisition of Fusion Competence are Linked During Secretory Granule Maturation in Tetrahymena. Traffic, 2005, 6, 303-323.	2.7	25
35	Elucidation of Clathrin-Mediated Endocytosis in Tetrahymena Reveals an Evolutionarily Convergent Recruitment of Dynamin. PLoS Genetics, 2005, 1, e52.	3.5	96
36	Genetic, Genomic, and Functional Analysis of the Granule Lattice Proteins in Tetrahymena Secretory Granules. Molecular Biology of the Cell, 2005, 16, 4046-4060.	2.1	33

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37	Elucidation of Clathrin-Mediated Endocytosis in Tetrahymena Reveals an Evolutionarily Convergent Recruitment of Dynamin. PLoS Genetics, 2005, preprint, e52.	3.5	1
38	Out with a Bang! Tetrahymena as a Model System to Study Secretory Granule Biogenesis. Traffic, 2004, 5, 63-68.	2.7	62
39	Proprotein Processing within Secretory Dense Core Granules ofTetrahymena thermophila. Journal of Biological Chemistry, 2003, 278, 4087-4095.	3.4	14
40	New Class of Cargo Protein in Tetrahymena thermophila Dense Core Secretory Granules. Eukaryotic Cell, 2002, 1, 583-593.	3.4	22
41	Functional genomics: the coming of age for Tetrahymena thermophila. Trends in Genetics, 2002, 18, 35-40.	6.7	107
42	Analysis of Expressed Sequence Tags (ESTs) in the Ciliated Protozoan Tetrahymena thermophila. Journal of Eukaryotic Microbiology, 2002, 49, 99-107.	1.7	29
43	Analysis of a Mutant Exhibiting Conditional Sorting to Dense Core Secretory Granules in <i>Tetrahymena thermophila</i>. Genetics, 2001, 159, 1605-1616.	2.9	28
44	Chapter 16 Regulated Protein Secretion in Tetrahymena thermophila. Methods in Cell Biology, 1999, 62, 347-362.	1.1	15
45	Proteolytic Processing and Ca²⁺-binding Activity of Dense-Core Vesicle Polypeptides in<i>Tetrahymena</i>. Molecular Biology of the Cell, 1998, 9, 497-511.	2.1	40
46	In Vivo Analysis of the Major Exocytosis-sensitive Phosphoprotein in Tetrahymena. Journal of Cell Biology, 1997, 139, 1197-1207.	5.2	31
47	Immunocytochemical analysis of secretion mutants ofTetrahymena using a mucocyst-specific monoclonal antibody. Genesis, 1992, 13, 151-159.	2.1	21
48	Large-scale purification of murine I-Ak and I-Ek antigens and characterization of the purified proteins. Molecular Immunology, 1983, 20, 1139-1147.	2.2	29
49	[8] Purification of murine MHC antigens by monoclonal antibody affinity chromatography. Methods in Enzymology, 1983, 92, 86-109.	1.0	29