Joseph Frankel

List of Publications by Year
in descending order

68	2,664	172457	189892
papers	citations	29 h-index	50 g-index

73	73	73	1193
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Macronuclear Genome Sequence of the Ciliate Tetrahymena thermophila, a Model Eukaryote. PLoS Biology, 2006, 4, e286.	5.6	657
2	The effect of nucleic acid antagonists on cell division and oral organelle development inTetrahymena pyriformis. The Journal of Experimental Zoology, 1965, 159, 113-147.	1.4	104
3	Chapter 2 Cell Biology of Tetrahymena thermophila. Methods in Cell Biology, 1999, 62, 27-125.	1.1	102
4	An Analysis of the Formation of Ciliary Primordia in the Hypotrich Ciliate Urostyla weissei*. Journal of Protozoology, 1969, 16, 612-637.	0.8	100
5	Positional information in unicellular organisms. Journal of Theoretical Biology, 1974, 47, 439-481.	1.7	83
6	Development of the ciliature of Tetrahymena thermophila. Developmental Biology, 1981, 88, 27-38.	2.0	79
7	Cellular Polarity in Ciliates: Persistence of Global Polarity in a disorganized Mutant of Tetrahymena thermophila That Disrupts Cytoskeletal Organization. Developmental Biology, 1995, 169, 644-661.	2.0	69
8	MUTATIONS AFFECTING CELL DIVISION IN TETRAHYMENA PYRIFORMIS. I. SELECTION AND GENETIC ANALYSIS. Genetics, 1976, 83, 489-506.	2.9	65
9	The relationship of protein synthesis to cell division and oral development in synchronizedTetrahymena pyriformis GL-C: An analysis employing cycloheximide. Journal of Cellular Physiology, 1969, 74, 135-148.	4.1	54
10	Genic control of cortical pattern inEuplotes. The Journal of Experimental Zoology, 1968, 168, 11-37.	1.4	53
11	Mutations affecting cell division in Tetrahymena pyriformis, syngen 1. Developmental Biology, 1977, 58, 255-275.	2.0	52
12	The effects of high temperatures on the pattern of oral development inTetrahymena pyriformis GL. The Journal of Experimental Zoology, 1964, 155, 403-435.	1.4	49
13	Development of the Ciliary Pattern of the Oral Apparatus of Tetrahymena thermophila1. Journal of Protozoology, 1982, 29, 366-382.	0.8	49
14	What Do Genic Mutations Tell Us about the Structural Patterning of a Complex Single-Celled Organism?. Eukaryotic Cell, 2008, 7, 1617-1639.	3.4	44
15	Participation of the Undulating Membrane in the Formation of Oral Replacement Primordia inTetrahymena pyriformis*. Journal of Protozoology, 1969, 16, 26-35.	0.8	43
16	An analysis of the recovery ofTetrahymena from effects of cycloheximide. Journal of Cellular Physiology, 1970, 76, 55-63.	4.1	43
17	Dimensions of control of cortical patterns inEuplotes: The role of pre-existing structure, the clonal life cycle, and the genotype. The Journal of Experimental Zoology, 1973, 183, 71-94.	1.4	43
18	DisAp-dependent striated fiber elongation is required to organize ciliary arrays. Journal of Cell Biology, 2014, 207, 705-715.	5.2	43

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19	Morphology and Development of Mirror-Image Doublets of Stylonychia mytilus. Journal of Protozoology, 1990, 37, 1-13.	0.8	39
20	The Actin Gene ACT1 Is Required for Phagocytosis, Motility, and Cell Separation of Tetrahymena thermophila. Eukaryotic Cell, 2006, 5, 555-567.	3.4	39
21	The synchronization of oral development without cell division inTetrahymena pyriformis GL-C. The Journal of Experimental Zoology, 1970, 173, 79-99.	1.4	38
22	"Fenestrin" and Conjugation in Tetrahymena thermophila. Journal of Eukaryotic Microbiology, 1994, 41, 483-495.	1.7	38
23	Development of the ciliature of Tetrahymena thermophila. Developmental Biology, 1981, 88, 39-54.	2.0	37
24	From Molecules to Morphology: Cellular Organization of Tetrahymena thermophila. Methods in Cell Biology, 2012, 109, 83-140.	1.1	37
25	Morphogenesis inGlaucoma chattoni*. Journal of Protozoology, 1960, 7, 362-376.	0.8	36
26	Monoclonal Antibodies Reveal Complex Structure in the Membrane Skeleton of Tetrahymena. Journal of Eukaryotic Microbiology, 1995, 42, 422-427.	1.7	35
27	A genically determined abnormality in the number and arrangement of basal bodies in a ciliate. Developmental Biology, 1973, 30, 336-365.	2.0	31
28	Studies on the Maintenance of Development inTetrahymena pyriformis GL-C. I. An analysis of the mechanism of resorption of developing oral structures. The Journal of Experimental Zoology, 1967, 164, 435-459.	1.4	30
29	The effects of mercaptoethanol on cellular development inTetrahymena pyriformis. The Journal of Experimental Zoology, 1966, 161, 63-81.	1.4	29
30	Intracellular pattern reversal in Tetrahymena thermophila. Developmental Biology, 1986, 114, 53-71.	2.0	29
31	The Positioning of Ciliary Organelles in Hypotrich Ciliates*â€. Journal of Protozoology, 1973, 20, 8-18.	0.8	28
32	PROPAGATION OF CORTICAL DIFFERENCES IN TETRAHYMENA. Genetics, 1980, 94, 607-623.	2.9	25
33	Selective mirror-image reversal of ciliary patterns inTetrahymena thermophila homozygous for ajanus mutation. Wilhelm Roux's Archives of Developmental Biology, 1984, 194, 107-120.	1.4	24
34	Conjugal blocks in Tetrahymena pattern mutants and their cytoplasmic rescue. Developmental Biology, 1991, 148, 420-428.	2.0	24
35	Morphogenesis and Division in Chains ofTetrahymena pyriformisGL*. Journal of Protozoology, 1964, 11, 514-526.	0.8	23
36	Intracellular pattern reversal in Tetrahymena thermophila. Developmental Biology, 1986, 114, 72-86.	2.0	21

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37	The Hippo Pathway Maintains the Equatorial Division Plane in the CiliateTetrahymena. Genetics, 2017, 206, 873-888.	2.9	21
38	An Analysis of Cell-Surface Patterning in Tetrahymena. , 1979, , 215-246.		21
39	The control of DNA synthesis in macronuclei and micronuclei of a hypotrich ciliate: A comparison of normal and regenerating cells. The Journal of Experimental Zoology, 1970, 173, 1-22.	1.4	20
40	The Stability of Cortical Phenotypes in Continuously Growing Cultures ofTetrahymena pyriformis*. Journal of Protozoology, 1972, 19, 648-654.	0.8	20
41	The Effects of Supraoptimal Temperatures on Population Growth and Cortical Patterning in Tetrahymena pyriformis and Tetrahymena thermophila: A Comparison. Journal of Eukaryotic Microbiology, 2001, 48, 135-146.	1.7	19
42	How the mirror-image pattern specified by ajanus mutation ofTetrahymena thermophila comes to expression. Genesis, 1985, 6, 213-238.	2.1	18
43	Macromolecular synthesis, differentiation and cell division inTetrahymena pyriformis mating type I variety 1. Journal of Cellular Physiology, 1969, 74, 123-134.	4.1	17
44	Regulation of corticotype through kinety insertion inTetrahymena. The Journal of Experimental Zoology, 1979, 210, 277-287.	1.4	17
45	A mutant of Tetrahymena thermophila with a partial mirror-image duplication of cell surface pattern. Development (Cambridge), 1979, 49, 167-202.	2.5	17
46	bcd: A mutation affecting the width of organelle domains in the cortex of Tetrahymena thermophila. Roux's Archives of Developmental Biology, 1987, 196, 421-433.	1.2	16
47	Spontaneous Astomy: Loss of Oral Areas inGlaucoma chattoni*. Journal of Protozoology, 1961, 8, 250-256.	0.8	15
48	The Patterning of Ciliates1. Journal of Protozoology, 1991, 38, 519-525.	0.8	14
49	Oral Assembly in Left-HandedTetrahymena thermophila. Journal of Protozoology, 1989, 36, 582-596.	0.8	13
50	An Evaluation of Hsp90 as a Mediator of Cortical Patterning in Tetrahymena. Journal of Eukaryotic Microbiology, 2001, 48, 147-160.	1.7	12
51	Two Antagonistic Hippo Signaling Circuits Set the Division Plane at the Medial Position in the Ciliate Tetrahymena. Genetics, 2019, 211, 651-663.	2.9	12
52	A mutant of Tetrahymena thermophila with a partial mirror-image duplication of cell surface pattern. Development (Cambridge), 1979, 49, 203-227.	2.5	12
53	Critical Phases of Oral Primordium Development inTetrahymena pyriformisGL-C: An Analysis Employing Low Temperature Treatment. Journal of Protozoology, 1967, 14, 639-649.	0.8	10
54	Interactions between janus and bcd cortical pattern mutants in Tetrahymena thermophila. Roux's Archives of Developmental Biology, 1988, 197, 476-489.	1.2	10

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55	The kinetics of resensitization ofTetrahymena following recovery from effects of cycloheximide. Journal of Cellular Physiology, 1971, 78, 411-418.	4.1	9
56	hypoangular: A Gene Potentially Involved in Specifying Positional Information in a Ciliate, Tetrahymena Thermophila. Developmental Biology, 1993, 160, 333-354.	2.0	9
57	Morphology and Development of Left-Handed Singlets Derived from Mirror-Image Doublets ofStylonychia mytilus. Journal of Protozoology, 1990, 37, 14-19.	0.8	8
58	Effect of Alteration in the Global Body Plan on the Deployment of Morphogenesis-related Protein Epitopes Labeled by the Monoclonal Antibody 12G9 in Tetrahymena thermophila. Protist, 2003, 154, 71-90.	1.5	7
59	Intracellular Handedness in Ciliates. Novartis Foundation Symposium, 1991, 162, 73-93.	1.1	7
60	Mutual antagonism between Hippo signaling and cyclin E drives intracellular pattern formation. Journal of Cell Biology, 2020, 219, .	5.2	7
61	The DNA replication schedule is not affected in a division blocked mutant of Tetrahymena thermophila. Experimental Cell Research, 1978, 117, 191-194.	2.6	6
62	Genes and structural patterns in ciliates: Vance tartar and the â€œcellular architectsâ€• Genesis, 1992, 13, 181-186.	2.1	6
63	Vance Tartar: A Unique Biologist. Journal of Eukaryotic Microbiology, 1993, 40, 1-9.	1.7	6
64	Morphogenesis: A Mob Rules from the Rear. Current Biology, 2014, 24, R700-R702.	3.9	6
65	Pattern Formation in Ciliary Organelle Systems of Ciliated Protozoa. Novartis Foundation Symposium, 1975, 0, 25-49.	1.1	4
66	DEVELOPMENT AND EVOLUTION: A REPORT. Evolution; International Journal of Organic Evolution, 1984, 38, 1160-1162.	2.3	2
67	Nuclear and Cortical Regulation in Doublets of Paramecium: II. When and How do Two Cortical Domains Reorganize to One?. Journal of Eukaryotic Microbiology, 2001, 48, 690-712.	1.7	1
68	Klaus Heckmann (1934â€“2012). Journal of Eukaryotic Microbiology, 2013, 60, 322-325.	1.7	0