

# Joseph Frankel

## List of Publications by Year in descending order

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68  
papers

2,664  
citations

172457

29  
h-index

189892

50  
g-index

73  
all docs

73  
docs citations

73  
times ranked

1193  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mutual antagonism between Hippo signaling and cyclin E drives intracellular pattern formation. <i>Journal of Cell Biology</i> , 2020, 219, .	5.2	7
2	Two Antagonistic Hippo Signaling Circuits Set the Division Plane at the Medial Position in the Ciliate <i>Tetrahymena</i> . <i>Genetics</i> , 2019, 211, 651-663.	2.9	12
3	The Hippo Pathway Maintains the Equatorial Division Plane in the Ciliate <i>Tetrahymena</i> . <i>Genetics</i> , 2017, 206, 873-888.	2.9	21
4	DisAp-dependent striated fiber elongation is required to organize ciliary arrays. <i>Journal of Cell Biology</i> , 2014, 207, 705-715.	5.2	43
5	Morphogenesis: A Mob Rules from the Rear. <i>Current Biology</i> , 2014, 24, R700-R702.	3.9	6
6	Klaus Heckmann (1934–2012). <i>Journal of Eukaryotic Microbiology</i> , 2013, 60, 322-325.	1.7	0
7	From Molecules to Morphology: Cellular Organization of <i>Tetrahymena thermophila</i> . <i>Methods in Cell Biology</i> , 2012, 109, 83-140.	1.1	37
8	What Do Genic Mutations Tell Us about the Structural Patterning of a Complex Single-Celled Organism?. <i>Eukaryotic Cell</i> , 2008, 7, 1617-1639.	3.4	44
9	Macronuclear Genome Sequence of the Ciliate <i>Tetrahymena thermophila</i> , a Model Eukaryote. <i>PLoS Biology</i> , 2006, 4, e286.	5.6	657
10	The Actin Gene ACT1 Is Required for Phagocytosis, Motility, and Cell Separation of <i>Tetrahymena thermophila</i> . <i>Eukaryotic Cell</i> , 2006, 5, 555-567.	3.4	39
11	Effect of Alteration in the Global Body Plan on the Deployment of Morphogenesis-related Protein Epitopes Labeled by the Monoclonal Antibody 12G9 in <i>Tetrahymena thermophila</i> . <i>Protist</i> , 2003, 154, 71-90.	1.5	7
12	Nuclear and Cortical Regulation in Doublets of <i>Paramecium</i> : II. When and How do Two Cortical Domains Reorganize to One?. <i>Journal of Eukaryotic Microbiology</i> , 2001, 48, 690-712.	1.7	1
13	The Effects of Supraoptimal Temperatures on Population Growth and Cortical Patterning in <i>Tetrahymena pyriformis</i> and <i>Tetrahymena thermophila</i> : A Comparison. <i>Journal of Eukaryotic Microbiology</i> , 2001, 48, 135-146.	1.7	19
14	An Evaluation of Hsp90 as a Mediator of Cortical Patterning in <i>Tetrahymena</i> . <i>Journal of Eukaryotic Microbiology</i> , 2001, 48, 147-160.	1.7	12
15	Chapter 2 Cell Biology of <i>Tetrahymena thermophila</i> . <i>Methods in Cell Biology</i> , 1999, 62, 27-125.	1.1	102
16	Monoclonal Antibodies Reveal Complex Structure in the Membrane Skeleton of <i>Tetrahymena</i> . <i>Journal of Eukaryotic Microbiology</i> , 1995, 42, 422-427.	1.7	35
17	Cellular Polarity in Ciliates: Persistence of Global Polarity in a disorganized Mutant of <i>Tetrahymena thermophila</i> That Disrupts Cytoskeletal Organization. <i>Developmental Biology</i> , 1995, 169, 644-661.	2.0	69
18	"Fenestrin" and Conjugation in <i>Tetrahymena thermophila</i> . <i>Journal of Eukaryotic Microbiology</i> , 1994, 41, 483-495.	1.7	38

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19	Vance Tartar: A Unique Biologist. <i>Journal of Eukaryotic Microbiology</i> , 1993, 40, 1-9.	1.7	6
20	hypoangular: A Gene Potentially Involved in Specifying Positional Information in a Ciliate, <i>Tetrahymena thermophila</i> . <i>Developmental Biology</i> , 1993, 160, 333-354.	2.0	9
21	Genes and structural patterns in ciliates: Vance tartar and the "œcellular architects". <i>Genesis</i> , 1992, 13, 181-186.	2.1	6
22	Conjugal blocks in <i>Tetrahymena</i> pattern mutants and their cytoplasmic rescue. <i>Developmental Biology</i> , 1991, 148, 420-428.	2.0	24
23	The Patterning of Ciliates <sup>1</sup> . <i>Journal of Protozoology</i> , 1991, 38, 519-525.	0.8	14
24	Intracellular Handedness in Ciliates. <i>Novartis Foundation Symposium</i> , 1991, 162, 73-93.	1.1	7
25	Morphology and Development of Mirror-Image Doublets of <i>Stylonychia mytilus</i> . <i>Journal of Protozoology</i> , 1990, 37, 1-13.	0.8	39
26	Morphology and Development of Left-Handed Singlets Derived from Mirror-Image Doublets of <i>Stylonychia mytilus</i> . <i>Journal of Protozoology</i> , 1990, 37, 14-19.	0.8	8
27	Oral Assembly in Left-Handed <i>Tetrahymena thermophila</i> . <i>Journal of Protozoology</i> , 1989, 36, 582-596.	0.8	13
28	Interactions between janus and bcd cortical pattern mutants in <i>Tetrahymena thermophila</i> . <i>Roux's Archives of Developmental Biology</i> , 1988, 197, 476-489.	1.2	10
29	bcd: A mutation affecting the width of organelle domains in the cortex of <i>Tetrahymena thermophila</i> . <i>Roux's Archives of Developmental Biology</i> , 1987, 196, 421-433.	1.2	16
30	Intracellular pattern reversal in <i>Tetrahymena thermophila</i> . <i>Developmental Biology</i> , 1986, 114, 53-71.	2.0	29
31	Intracellular pattern reversal in <i>Tetrahymena thermophila</i> . <i>Developmental Biology</i> , 1986, 114, 72-86.	2.0	21
32	How the mirror-image pattern specified by a janus mutation of <i>Tetrahymena thermophila</i> comes to expression. <i>Genesis</i> , 1985, 6, 213-238.	2.1	18
33	Selective mirror-image reversal of ciliary patterns in <i>Tetrahymena thermophila</i> homozygous for a janus mutation. <i>Wilhelm Roux's Archives of Developmental Biology</i> , 1984, 194, 107-120.	1.4	24
34	DEVELOPMENT AND EVOLUTION: A REPORT. <i>Evolution; International Journal of Organic Evolution</i> , 1984, 38, 1160-1162.	2.3	2
35	Development of the Ciliary Pattern of the Oral Apparatus of <i>Tetrahymena thermophila</i> <sup>1</sup> . <i>Journal of Protozoology</i> , 1982, 29, 366-382.	0.8	49
36	Development of the ciliature of <i>Tetrahymena thermophila</i> . <i>Developmental Biology</i> , 1981, 88, 39-54.	2.0	37

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37	Development of the ciliature of <i>Tetrahymena thermophila</i> . <i>Developmental Biology</i> , 1981, 88, 27-38.	2.0	79
38	PROPAGATION OF CORTICAL DIFFERENCES IN TETRAHYMENA. <i>Genetics</i> , 1980, 94, 607-623.	2.9	25
39	Regulation of corticotype through kinety insertion in <i>Tetrahymena</i> . <i>The Journal of Experimental Zoology</i> , 1979, 210, 277-287.	1.4	17
40	An Analysis of Cell-Surface Patterning in <i>Tetrahymena</i> . , 1979, , 215-246.		21
41	A mutant of <i>Tetrahymena thermophila</i> with a partial mirror-image duplication of cell surface pattern. <i>Development (Cambridge)</i> , 1979, 49, 203-227.	2.5	12
42	A mutant of <i>Tetrahymena thermophila</i> with a partial mirror-image duplication of cell surface pattern. <i>Development (Cambridge)</i> , 1979, 49, 167-202.	2.5	17
43	The DNA replication schedule is not affected in a division blocked mutant of <i>Tetrahymena thermophila</i> . <i>Experimental Cell Research</i> , 1978, 117, 191-194.	2.6	6
44	Mutations affecting cell division in <i>Tetrahymena pyriformis</i> , syngen 1. <i>Developmental Biology</i> , 1977, 58, 255-275.	2.0	52
45	MUTATIONS AFFECTING CELL DIVISION IN <i>TETRAHYMENA PYRIFORMIS</i> . I. SELECTION AND GENETIC ANALYSIS. <i>Genetics</i> , 1976, 83, 489-506.	2.9	65
46	Pattern Formation in Ciliary Organelle Systems of Ciliated Protozoa. <i>Novartis Foundation Symposium</i> , 1975, 0, 25-49.	1.1	4
47	Positional information in unicellular organisms. <i>Journal of Theoretical Biology</i> , 1974, 47, 439-481.	1.7	83
48	Dimensions of control of cortical patterns in <i>Euplotes</i> : The role of pre-existing structure, the clonal life cycle, and the genotype. <i>The Journal of Experimental Zoology</i> , 1973, 183, 71-94.	1.4	43
49	The Positioning of Ciliary Organelles in <i>Hypotrich</i> Ciliates*. <i>Journal of Protozoology</i> , 1973, 20, 8-18.	0.8	28
50	A genically determined abnormality in the number and arrangement of basal bodies in a ciliate. <i>Developmental Biology</i> , 1973, 30, 336-365.	2.0	31
51	The Stability of Cortical Phenotypes in Continuously Growing Cultures of <i>Tetrahymena pyriformis</i> *. <i>Journal of Protozoology</i> , 1972, 19, 648-654.	0.8	20
52	The kinetics of resensitization of <i>Tetrahymena</i> following recovery from effects of cycloheximide. <i>Journal of Cellular Physiology</i> , 1971, 78, 411-418.	4.1	9
53	An analysis of the recovery of <i>Tetrahymena</i> from effects of cycloheximide. <i>Journal of Cellular Physiology</i> , 1970, 76, 55-63.	4.1	43
54	The control of DNA synthesis in macronuclei and micronuclei of a hypotrich ciliate: A comparison of normal and regenerating cells. <i>The Journal of Experimental Zoology</i> , 1970, 173, 1-22.	1.4	20

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55	The synchronization of oral development without cell division in <i>Tetrahymena pyriformis</i> GL-C. The Journal of Experimental Zoology, 1970, 173, 79-99.	1.4	38
56	Participation of the Undulating Membrane in the Formation of Oral Replacement Primordia in <i>Tetrahymena pyriformis</i> *. Journal of Protozoology, 1969, 16, 26-35.	0.8	43
57	An Analysis of the Formation of Ciliary Primordia in the Hypotrich Ciliate <i>Urostyla weissei</i> *. Journal of Protozoology, 1969, 16, 612-637.	0.8	100
58	Macromolecular synthesis, differentiation and cell division in <i>Tetrahymena pyriformis</i> mating type I variety 1. Journal of Cellular Physiology, 1969, 74, 123-134.	4.1	17
59	The relationship of protein synthesis to cell division and oral development in synchronized <i>Tetrahymena pyriformis</i> GL-C: An analysis employing cycloheximide. Journal of Cellular Physiology, 1969, 74, 135-148.	4.1	54
60	Genic control of cortical pattern in <i>Euplotes</i> . The Journal of Experimental Zoology, 1968, 168, 11-37.	1.4	53
61	Studies on the Maintenance of Development in <i>Tetrahymena pyriformis</i> 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
62	Critical Phases of Oral Primordium Development in <i>Tetrahymena pyriformis</i> GL-C: An Analysis Employing Low Temperature Treatment. Journal of Protozoology, 1967, 14, 639-649.	0.8	10
63	The effects of mercaptoethanol on cellular development in <i>Tetrahymena pyriformis</i> . The Journal of Experimental Zoology, 1966, 161, 63-81.	1.4	29
64	The effect of nucleic acid antagonists on cell division and oral organelle development in <i>Tetrahymena pyriformis</i> . The Journal of Experimental Zoology, 1965, 159, 113-147.	1.4	104
65	Morphogenesis and Division in Chains of <i>Tetrahymena pyriformis</i> GL*. Journal of Protozoology, 1964, 11, 514-526.	0.8	23
66	The effects of high temperatures on the pattern of oral development in <i>Tetrahymena pyriformis</i> GL. The Journal of Experimental Zoology, 1964, 155, 403-435.	1.4	49
67	Spontaneous Astomy: Loss of Oral Areas in <i>Glaucoma chattoni</i> *. Journal of Protozoology, 1961, 8, 250-256.	0.8	15
68	Morphogenesis in <i>Glaucoma chattoni</i> *. Journal of Protozoology, 1960, 7, 362-376.	0.8	36