Benjamin A Soll

List of Publications by Citations

241 papers	12,008 citations	64 h-index	96 g-index
261 ext. papers	12,929 ext. citations	5.4 avg, IF	6.09 L-index

#	Paper	IF	Citations
241	Evolution of pathogenicity and sexual reproduction in eight Candida genomes. *Nature*, **2009**, 459, 657-62	30.4	764
240	Cell motility and chemotaxis in Dictyostelium amebae lacking myosin heavy chain. *Developmental Biology*, **1988**, 128, 164-77	3.1	293
239	Cutting edge: Candida albicans hyphae formation triggers activation of the Nlrp3 inflammasome. *Journal of Immunology*, **2009**, 183, 3578-81	5.3	226
238	A characterization of pH-regulated dimorphism in Candida albicans. *Mycopathologia*, **1984**, 85, 21-30	2.9	200
237	In Candida albicans, white-opaque switchers are homozygous for mating type. *Genetics*, **2002**, 162, 737-45	4	191
236	TOS9 regulates white-opaque switching in Candida albicans. *Eukaryotic Cell*, **2006**, 5, 1674-87		179
235	Misexpression of the opaque-phase-specific gene PEP1 (SAP1) in the white phase of Candida albicans confers increased virulence in a mouse model of cutaneous infection. *Infection and Immunity*, **1999**, 67, 6652-62	3.7	178
234	Tyramine and octopamine have opposite effects on the locomotion of Drosophila larvae. *Journal of Neurobiology*, **2004**, 58, 425-41		164
233	N-acetylglucosamine induces white to opaque switching, a mating prerequisite in Candida albicans. *PLoS Pathogens*, **2010**, 6, e1000806	7.6	159
232	Cofilin determines the migration behavior and turning frequency of metastatic cancer cells. *Journal of Cell Biology*, **2007**, 179, 777-91	7.3	152
231	The ins and outs of DNA fingerprinting the infectious fungi. *Clinical Microbiology Reviews*, **2000**, 13, 332-70	34	146
230	CO(2) regulates white-to-opaque switching in Candida albicans. *Current Biology*, **2009**, 19, 330-4	6.3	144
229	A role for myosin VII in dynamic cell adhesion. *Current Biology*, **2001**, 11, 318-29	6.3	144
228	Opaque cells signal white cells to form biofilms in Candida albicans. *EMBO Journal*, **2006**, 25, 2240-52	13	143
227	Multilocus sequence typing of Candida glabrata reveals geographically enriched clades. *Journal of Clinical Microbiology*, **2003**, 41, 5709-17	9.7	143
226	One-dimensional diffusion of microtubules bound to flagellar dynein. *Cell*, **1989**, 59, 915-25	56.2	143
225	Emergence of fluconazole resistance in a Candida parapsilosis strain that caused infections in a neonatal intensive care unit. *Journal of Clinical Microbiology*, **2005**, 43, 2729-35	9.7	141

224	Candida albicans Als3p is required for wild-type biofilm formation on silicone elastomer surfaces. *Microbiology (United Kingdom)*, **2006**, 152, 2287-2299	2.9	136
223	Myosin IB null mutants of Dictyostelium exhibit abnormalities in motility. *Cytoskeleton*, **1991**, 20, 301-15		127
222	Slb/Wnt11 controls hypoblast cell migration and morphogenesis at the onset of zebrafish gastrulation. *Development (Cambridge)*, **2003**, 130, 5375-84	6.6	124
221	Cell biology of mating in Candida albicans. *Eukaryotic Cell*, **2003**, 2, 49-61		123
220	Coordination and modulation of locomotion pattern generators in Drosophila larvae: effects of altered biogenic amine levels by the tyramine beta hydroxlyase mutation. *Journal of Neuroscience*, **2006**, 26, 1486-98	6.6	122
219	A novel cGMP signalling pathway mediating myosin phosphorylation and chemotaxis in Dictyostelium. *EMBO Journal*, **2002**, 21, 4560-70	13	118
218	Skin facilitates Candida albicans mating. *Infection and Immunity*, **2003**, 71, 4970-6	3.7	118
217	Candida parapsilosis characterization in an outbreak setting. *Emerging Infectious Diseases*, **2004**, 10, 1074-81	10.1	114
216	Candida commensalism and virulence: the evolution of phenotypic plasticity. *Acta Tropica*, **2002**, 81, 101-10	3.1	111
215	High-frequency phenotypic switching in Candida albicans. *Trends in Genetics*, **1993**, 9, 61-5	8.5	103
214	Why does Candida albicans switch?. *FEMS Yeast Research*, **2009**, 9, 973-89	3.1	101
213	EFG1 null mutants of Candida albicans switch but cannot express the complete phenotype of white-phase budding cells. *Journal of Bacteriology*, **2000**, 182, 1580-91	3.5	101
212	Alpha-pheromone-induced "shmooing" and gene regulation require white-opaque switching during Candida albicans mating. *Eukaryotic Cell*, **2003**, 2, 847-55		100
211	Dynamic analysis of larval locomotion in Drosophila chordotonal organ mutants. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 16053-8	11.5	100
210	Release of a potent polymorphonuclear leukocyte chemoattractant is regulated by white-opaque switching in Candida albicans. *Infection and Immunity*, **2004**, 72, 667-77	3.7	95
209	Clade-specific flucytosine resistance is due to a single nucleotide change in the FUR1 gene of Candida albicans. *Antimicrobial Agents and Chemotherapy*, **2004**, 48, 2223-7	5.9	95
208	The closely related species Candida albicans and Candida dubliniensis can mate. *Eukaryotic Cell*, **2004**, 3, 1015-27		94
207	Variation in adhesion and cell surface hydrophobicity in Candida albicans white and opaque phenotypes. *Mycopathologia*, **1988**, 102, 149-56	2.9	91

206	Functional specificity of Candida albicans Als3p proteins and clade specificity of ALS3 alleles discriminated by the number of copies of the tandem repeat sequence in the central domain. *Microbiology (United Kingdom)*, **2005**, 151, 673-681	2.9	89
205	A computer-assisted system for reconstructing and interpreting the dynamic three-dimensional relationships of the outer surface, nucleus and pseudopods of crawling cells. *Cytoskeleton*, **1998**, 41, 225-46		88
204	Towards a molecular understanding of human diseases using Dictyostelium discoideum. *Trends in Molecular Medicine*, **2006**, 12, 415-24	11.5	88
203	Requirement of a vasodilator-stimulated phosphoprotein family member for cell adhesion, the formation of filopodia, and chemotaxis in dictyostelium. *Journal of Biological Chemistry*, **2002**, 277, 49877-87	5.4	88
202	The two-component hybrid kinase regulator CaNIK1 of Candida albicans. *Microbiology (United Kingdom)*, **1998**, 144 (Pt 10), 2715-2729	2.9	84
201	Commitment to germ tube or bud formation during release from stationary phase in Candida albicans. *Experimental Cell Research*, **1979**, 120, 167-79	4.2	84
200	The regulation of cellular differentiation in the dimorphic yeast Candida albicans. *BioEssays*, **1986**, 5, 5-11	4.1	77
199	Ca3 fingerprinting of Candida albicans bloodstream isolates from the United States, Canada, South America, and Europe reveals a European clade. *Journal of Clinical Microbiology*, **2002**, 40, 2729-40	9.7	76
198	Phenotypic switching in Candida glabrata involves phase-specific regulation of the metallothionein gene MT-II and the newly discovered hemolysin gene HLP. *Infection and Immunity*, **2000**, 68, 884-95	3.7	75
197	Three-dimensional dynamics of pseudopod formation and the regulation of turning during the motility cycle of Dictyostelium. *Cytoskeleton*, **1994**, 27, 1-12		74
196	Chromosome loss followed by duplication is the major mechanism of spontaneous mating-type locus homozygosis in Candida albicans. *Genetics*, **2005**, 169, 1311-27	4	71
195	"Dynamic Morphology System": a method for quantitating changes in shape, pseudopod formation, and motion in normal and mutant amoebae of Dictyostelium discoideum. *Journal of Cellular Biochemistry*, **1988**, 37, 177-92	4.7	71
194	Tec1 mediates the pheromone response of the white phenotype of Candida albicans: insights into the evolution of new signal transduction pathways. *PLoS Biology*, **2010**, 8, e1000363	9.7	70
193	Mating-type locus homozygosis, phenotypic switching and mating: a unique sequence of dependencies in Candida albicans. *BioEssays*, **2004**, 26, 10-20	4.1	70
192	Identification of four distinct genotypes of Candida dubliniensis and detection of microevolution in vitro and in vivo. *Journal of Clinical Microbiology*, **2002**, 40, 556-74	9.7	70
191	Ca3 fingerprinting of Candida albicans isolates from human immunodeficiency virus-positive and healthy individuals reveals a new clade in South Africa. *Journal of Clinical Microbiology*, **2002**, 40, 826-36	9.7	70
190	Phenotypic switching and filamentation in Candida glabrata. *Microbiology (United Kingdom)*, **2002**, 148, 2661-2674	2.9	70
189	Morphometric description of the wandering behavior in Drosophila larvae: aberrant locomotion in Na+ and K+ channel mutants revealed by computer-assisted motion analysis. *Journal of Neurogenetics*, **1997**, 11, 231-54	1.6	69

188	Heterozygosity of genes on the sex chromosome regulates Candida albicans virulence. *Molecular Microbiology*, **2007**, 64, 1587-604	4.1	69
187	Elevated phenotypic switching and drug resistance of Candida albicans from human immunodeficiency virus-positive individuals prior to first thrush episode. *Journal of Clinical Microbiology*, **2000**, 38, 3595-607	9.7	69
186	Phosphorylation of the Dictyostelium myosin II heavy chain is necessary for maintaining cellular polarity and suppressing turning during chemotaxis. *Cytoskeleton*, **1998**, 39, 31-51		68
185	Asynchronous cell cycle and asymmetric vacuolar inheritance in true hyphae of Candida albicans. *Eukaryotic Cell*, **2003**, 2, 398-410		67
184	Cloning and characterization of a complex DNA fingerprinting probe for Candida parapsilosis. *Journal of Clinical Microbiology*, **2001**, 39, 658-69	9.7	67
183	Frequency and orientation of pseudopod formation of Dictyostelium discoideum amebae chemotaxing in a spatial gradient: further evidence for a temporal mechanism. *Cytoskeleton*, **1987**, 8, 18-26		66
182	Alternative mating type configurations (a/α versus a/a or α/α) of Candida albicans result in alternative biofilms regulated by different pathways. *PLoS Biology*, **2011**, 9, e1001117	9.7	65
181	Flucytosine resistance is restricted to a single genetic clade of Candida albicans. *Antimicrobial Agents and Chemotherapy*, **2004**, 48, 262-6	5.9	65
180	Mitotic recombination in Candida albicans: recessive lethal alleles linked to a gene required for methionine biosynthesis. *Molecular Genetics and Genomics*, **1982**, 187, 477-85		65
179	Development and characterization of complex DNA fingerprinting probes for the infectious yeast Candida dubliniensis. *Journal of Clinical Microbiology*, **1999**, 37, 1035-44	9.7	65
178	A Dictyostelium myosin I plays a crucial role in regulating the frequency of pseudopods formed on the substratum. *Cytoskeleton*, **1996**, 33, 64-79		64
177	Behavior of Dictyostelium amoebae is regulated primarily by the temporal dynamic of the natural cAMP wave. *Cytoskeleton*, **1992**, 23, 145-56		64
176	Chemoresponsiveness to cAMP and folic acid during growth, development, and dedifferentiation in Dictyostelium discoideum. *Differentiation*, **1981**, 18, 151-60	3.5	64
175	Candida albicans clades. *FEMS Immunology and Medical Microbiology*, **2003**, 39, 1-7		62
174	PTEN plays a role in the suppression of lateral pseudopod formation during Dictyostelium motility and chemotaxis. *Journal of Cell Science*, **2007**, 120, 2517-31	5.3	60
173	The developmental regulation of single-cell motility in Dictyostelium discoideum. *Developmental Biology*, **1986**, 113, 218-27	3.1	60
172	Phenotypic switching and mating type switching of Candida glabrata at sites of colonization. *Infection and Immunity*, **2003**, 71, 7109-18	3.7	59
171	The internal phosphodiesterase RegA is essential for the suppression of lateral pseudopods during Dictyostelium chemotaxis. *Molecular Biology of the Cell*, **2000**, 11, 2803-20	3.5	59

170	The same receptor, G protein, and mitogen-activated protein kinase pathway activate different downstream regulators in the alternative white and opaque pheromone responses of Candida albicans. *Molecular Biology of the Cell*, **2008**, 19, 957-70	3.5	58
169	Allelic variation in the contiguous loci encoding Candida albicans ALS5, ALS1 and ALS9. *Microbiology (United Kingdom)*, **2003**, 149, 2947-2960	2.9	58
168	Amebae of Dictyostelium discoideum respond to an increasing temporal gradient of the chemoattractant cAMP with a reduced frequency of turning: evidence for a temporal mechanism in ameboid chemotaxis. *Cytoskeleton*, **1987**, 8, 7-17		58
167	Target specificity of the Candida albicans Efg1 regulator. *Molecular Microbiology*, **2011**, 82, 602-18	4.1	57
166	Relationship between switching and mating in Candida albicans. *Eukaryotic Cell*, **2003**, 2, 390-7		57
165	Three mating type-like loci in Candida glabrata. *Eukaryotic Cell*, **2003**, 2, 328-40		57
164	Unique aspects of gene expression during Candida albicans mating and possible G(1) dependency. *Eukaryotic Cell*, **2005**, 4, 1175-90		57
163	"DMS," a computer-assisted system for quantitating motility, the dynamics of cytoplasmic flow, and pseudopod formation: its application to Dictyostelium chemotaxis. *Cytoskeleton*, **1988**, 10, 91-106		54
162	Genes selectively up-regulated by pheromone in white cells are involved in biofilm formation in Candida albicans. *PLoS Pathogens*, **2009**, 5, e1000601	7.6	53
161	The chemotaxis defect of Shwachman-Diamond Syndrome leukocytes. *Cytoskeleton*, **2004**, 57, 158-74		53
160	Increased virulence and competitive advantage of a/alpha over a/a or alpha/alpha offspring conserves the mating system of Candida albicans. *Genetics*, **2005**, 169, 1883-90	4	51
159	Candida albicans endocarditis associated with a contaminated aortic valve allograft: implications for regulation of allograft processing. *Clinical Infectious Diseases*, **1998**, 27, 688-91	11.6	51
158	Mating is rare within as well as between clades of the human pathogen Candida albicans. *Fungal Genetics and Biology*, **2008**, 45, 221-31	3.9	50
157	Evidence for recombination in Candida glabrata. *Fungal Genetics and Biology*, **2005**, 42, 233-43	3.9	50
156	RasGEF-containing proteins GbpC and GbpD have differential effects on cell polarity and chemotaxis in Dictyostelium. *Journal of Cell Science*, **2005**, 118, 1899-910	5.3	50
155	Three-dimensional motility cycle in leukocytes. *Cytoskeleton*, **1992**, 22, 211-23		50
154	Morphogenesis in the slime mold Dictyostelium discoideum. 1. The accumulation and erasure of "morphogenetic information". *Developmental Biology*, **1975**, 47, 292-302	3.1	50
153	The role of phenotypic switching in the basic biology and pathogenesis of Candida albicans. *Journal of Oral Microbiology*, **2014**, 6,	6.3	48

152	A contextual framework for characterizing motility and chemotaxis mutants in Dictyostelium discoideum. *Journal of Muscle Research and Cell Motility*, **2002**, 23, 659-72	3.5	48
151	3D-DIASemb: a computer-assisted system for reconstructing and motion analyzing in 4D every cell and nucleus in a developing embryo. *Developmental Biology*, **2002**, 245, 329-47	3.1	48
150	Plasticity of Candida albicans Biofilms. *Microbiology and Molecular Biology Reviews*, **2016**, 80, 565-95	13.2	47
149	The Shwachman-Bodian-Diamond syndrome gene encodes an RNA-binding protein that localizes to the pseudopod of Dictyostelium amoebae during chemotaxis. *Journal of Cell Science*, **2006**, 119, 370-9	5.3	47
148	Caldesmon mutant defective in Ca(2+)-calmodulin binding interferes with assembly of stress fibers and affects cell morphology, growth and motility. *Journal of Cell Science*, **2004**, 117, 3593-604	5.3	47
147	Computer-assisted three-dimensional reconstruction and motion analysis of living, crawling cells. *Computerized Medical Imaging and Graphics*, **1999**, 23, 3-14	7.6	47
146	Shared, unique and redundant functions of three members of the class I myosins (MyoA, MyoB and MyoF) in motility and chemotaxis in Dictyostelium. *Journal of Cell Science*, **2003**, 116, 3985-99	5.3	45
145	Computer-assisted analysis of filopod formation and the role of myosin II heavy chain phosphorylation in Dictyostelium. *Journal of Cell Science*, **2005**, 118, 2225-37	5.3	45
144	Microevolutionary changes in Candida albicans identified by the complex Ca3 fingerprinting probe involve insertions and deletions of the full-length repetitive sequence RPS at specific genomic sites. *Microbiology (United Kingdom)*, **1999**, 145 (Pt 10), 2635-46	2.9	45
143	Three-dimensional reconstruction and motion analysis of living, crawling cells. *Scanning*, **2000**, 22, 249-57	1.6	44
142	Identification of genes upregulated by the transcription factor Bcr1 that are involved in impermeability, impenetrability, and drug resistance of Candida albicans a/□ biofilms. *Eukaryotic Cell*, **2013**, 12, 875-88		42
141	Molecular phylogenetic analysis of a geographically and temporally matched set of Candida albicans isolates from humans and nonmigratory wildlife in central Illinois. *Eukaryotic Cell*, **2008**, 7, 1475-86		41
140	ClC-3 and IClswell are required for normal neutrophil chemotaxis and shape change. *Journal of Biological Chemistry*, **2008**, 283, 34315-26	5.4	41
139	Constitutively active protein kinase A disrupts motility and chemotaxis in Dictyostelium discoideum. *Eukaryotic Cell*, **2003**, 2, 62-75		41
138	Segregation of 5-fluorocytosine-resistance variants by Candida albicans. *Antimicrobial Agents and Chemotherapy*, **1981**, 19, 1078-81	5.9	41
137	Human polymorphonuclear leukocytes respond to waves of chemoattractant, like Dictyostelium. *Cytoskeleton*, **2003**, 56, 27-44		40
136	Tortoise, a novel mitochondrial protein, is required for directional responses of Dictyostelium in chemotactic gradients. *Journal of Cell Biology*, **2001**, 152, 621-32	7.3	40
135	The regulation of nuclear migration and division during pseudo-mycelium outgrowth in the dimorphic yeast Candida albicans. *Experimental Cell Research*, **1978**, 116, 207-15	4.2	40

134	The adhesin Hwp1 and the first daughter cell localize to the a/a portion of the conjugation bridge during Candida albicans mating. *Molecular Biology of the Cell*, **2003**, 14, 4920-30	3.5	39
133	Roles of TUP1 in switching, phase maintenance, and phase-specific gene expression in Candida albicans. *Eukaryotic Cell*, **2002**, 1, 353-65		39
132	Discoidin proteins of Dictyostelium are necessary for normal cytoskeletal organization and cellular morphology during aggregation. *Differentiation*, **1992**, 51, 149-61	3.5	39
131	High-frequency switching in Candida albicans and its relations to vaginal candidiasis. *American Journal of Obstetrics and Gynecology*, **1988**, 158, 997-1001	6.4	39
130	Analysis of ALS5 and ALS6 allelic variability in a geographically diverse collection of Candida albicans isolates. *Fungal Genetics and Biology*, **2007**, 44, 1298-309	3.9	37
129	Temporal and spatial differences in septation during synchronous mycelium and bud formation by Candida albicans. *Experimental Mycology*, **1979**, 3, 298-309		37
128	The temporal regulation of protein synthesis during synchronous bud or mycelium formation in the dimorphic yeast Candida albicans. *Developmental Biology*, **1982**, 89, 211-24	3.1	37
127	Epidemiology of Candida Infections in Aids **1990**, 67-74		37
126	Interferon regulatory factor 6 regulates keratinocyte migration. *Journal of Cell Science*, **2014**, 127, 2840-8	5.3	36
125	Candida albicans forms a specialized "sexual" as well as "pathogenic" biofilm. *Eukaryotic Cell*, **2013**, 12, 1120-31		36
124	Changes in the motility, morphology, and F-actin architecture of human dendritic cells in an in vitro model of dendritic cell development. *Cytoskeleton*, **2000**, 46, 200-21		36
123	Impact of environmental conditions on the form and function of Candida albicans biofilms. *Eukaryotic Cell*, **2013**, 12, 1389-402		35
122	RasC plays a role in transduction of temporal gradient information in the cyclic-AMP wave of Dictyostelium discoideum. *Eukaryotic Cell*, **2004**, 3, 646-62		35
121	Morphometric description of the wandering behavior in Drosophila larvae: a phenotypic analysis of K+ channel mutants. *Journal of Neurogenetics*, **2002**, 16, 45-63	1.6	35
120	Methods for manipulating and investigating developmental timing in Dictyostelium discoideum. *Methods in Cell Biology*, **1987**, 28, 413-31	1.8	35
119	A Candida albicans-specific region of the alpha-pheromone receptor plays a selective role in the white cell pheromone response. *Molecular Microbiology*, **2009**, 71, 925-47	4.1	34
118	Drug resistance is not directly affected by mating type locus zygosity in Candida albicans. *Antimicrobial Agents and Chemotherapy*, **2003**, 47, 1207-12	5.9	34
117	The frequency of integrative transformation at phase-specific genes of Candida albicans correlates with their transcriptional state. *Molecular Genetics and Genomics*, **1995**, 246, 342-52		33

116	The programs of protein synthesis accompanying the establishment of alternative phenotypes in Candida albicans. *Mycopathologia*, **1985**, 91, 3-15	2.9	33
115	"Erasure" in Dictyostelium: a dedifferentiation involving the programmed loss of chemotactic functions. *Developmental Biology*, **1979**, 73, 290-303	3.1	33
114	The dependency of nuclear division on volume in the dimorphic yeast Candida albicans. *Experimental Cell Research*, **1981**, 133, 55-62	4.2	33
113	The regulation of nuclear migration and division during synchronous bud formation in released stationary phase cultures of the yeast Candida albicans. *Experimental Cell Research*, **1980**, 127, 103-13	4.2	32
112	Sexual reproduction of human fungal pathogens. *Cold Spring Harbor Perspectives in Medicine*, **2014**, 4,	5.4	31
111	Overexpression of microfilament-stabilizing human caldesmon fragment, CaD39, affects cell attachment, spreading, and cytokinesis. *Cytoskeleton*, **1996**, 34, 215-29		31
110	A characterization of the erasure phenomenon in dictyostelium. *Developmental Biology*, **1977**, 60, 83-92	3.1	31
109	Intracellular role of adenylyl cyclase in regulation of lateral pseudopod formation during Dictyostelium chemotaxis. *Eukaryotic Cell*, **2005**, 4, 775-86		30
108	The effects of extracellular calcium on motility, pseudopod and uropod formation, chemotaxis, and the cortical localization of myosin II in Dictyostelium discoideum. *Cytoskeleton*, **2009**, 66, 567-87		28
107	Candida biofilms: is adhesion sexy?. *Current Biology*, **2008**, 18, R717-20	6.3	28
106	Racial distribution of Candida dubliniensis colonization among South Africans. *Journal of Clinical Microbiology*, **2003**, 41, 1838-42	9.7	28
105	Phosphorylation of the myosin regulatory light chain plays a role in motility and polarity duringDictyosteliumchemotaxis. *Journal of Cell Science*, **2002**, 115, 1733-1747	5.3	28
104	Clade-related amphotericin B resistance among South African Candida albicans isolates. *Diagnostic Microbiology and Infectious Disease*, **2005**, 53, 29-31	2.9	27
103	The role of myosin heavy chain phosphorylation in Dictyostelium motility, chemotaxis and F-actin localization. *Journal of Cell Science*, **2004**, 117, 4819-35	5.3	26
102	The regulation of EFG1 in white-opaque switching in Candida albicans involves overlapping promoters. *Molecular Microbiology*, **2003**, 48, 523-36	4.1	26
101	A MADS box protein consensus binding site is necessary and sufficient for activation of the opaque-phase-specific gene OP4 of Candida albicans. *Journal of Bacteriology*, **1998**, 180, 6607-16	3.5	26
100	Phosphorylation of the myosin regulatory light chain plays a role in motility and polarity during Dictyostelium chemotaxis. *Journal of Cell Science*, **2002**, 115, 1733-47	5.3	26
99	Confocal Microscopy of Living Cells **2006**, 381-403		25

98	Nonsex genes in the mating type locus of Candida albicans play roles in a/Δ biofilm formation, including impermeability and fluconazole resistance. *PLoS Pathogens*, **2012**, 8, e1002476	7.6	24
97	Phenotypic switching in Candida glabrata accompanied by changes in expression of genes with deduced functions in copper detoxification and stress. *Eukaryotic Cell*, **2005**, 4, 1434-45		24
96	Fig1 facilitates calcium influx and localizes to membranes destined to undergo fusion during mating in Candida albicans. *Eukaryotic Cell*, **2011**, 10, 435-44		23
95	Dark brown is the more virulent of the switch phenotypes of Candida glabrata. *Microbiology (United Kingdom)*, **2008**, 154, 3309-3318	2.9	23
94	Computer-assisted reconstruction and motion analysis of the three-dimensional cell. *Scientific World Journal, The*, **2003**, 3, 827-41	2.2	23
93	The white cell response to pheromone is a general characteristic of Candida albicans strains. *Eukaryotic Cell*, **2009**, 8, 251-6		22
92	Microevolutionary changes and chromosomal translocations are more frequent at RPS loci in Candida dubliniensis than in Candida albicans. *Infection, Genetics and Evolution*, **2002**, 2, 19-37	4.5	22
91	Computer-assisted systems for the analysis of amoeboid cell motility. *Methods in Molecular Biology*, **2001**, 161, 45-58	1.4	22
90	Regulation of protein synthesis during the preaggregative period of Dictyostelium discoideum development: involvement of close cell associations and cAMP. *Developmental Biology*, **1985**, 110, 171-91	3.1	22
89	Cyclic AMP inhibits dedifferentiation in the cellular slime mold Dictyostelium discoideum. *Developmental Biology*, **1981**, 84, 313-21	3.1	22
88	Utilization of the mating scaffold protein in the evolution of a new signal transduction pathway for biofilm development. *MBio*, **2011**, 2, e00237-10	7.8	21
87	Ca2+ chemotaxis in Dictyostelium discoideum. *Journal of Cell Science*, **2010**, 123, 3756-67	5.3	21
86	How a cell crawls and the role of cortical myosin II. *Eukaryotic Cell*, **2009**, 8, 1381-96		20
85	Self-induction of a/a or alpha/alpha biofilms in Candida albicans is a pheromone-based paracrine system requiring switching. *Eukaryotic Cell*, **2011**, 10, 753-60		20
84	Application of 2D and 3D DIAS to motion analysis of live cells in transmission and confocal microscopy imaging. *Methods in Molecular Biology*, **2006**, 346, 261-79	1.4	20
83	Forced expression of a dominant-negative chimeric tropomyosin causes abnormal motile behavior during cell division. *Cytoskeleton*, **2000**, 45, 121-32		20
82	Candida albicans White-Opaque Switching Influences Virulence but Not Mating during Oropharyngeal Candidiasis. *Infection and Immunity*, **2018**, 86,	3.7	19
81	Sphingosine-1-phosphate plays a role in the suppression of lateral pseudopod formation during Dictyostelium discoideum cell migration and chemotaxis. *Cytoskeleton*, **2004**, 59, 227-41		19

80	Reciprocal signaling and direct physical interactions between fibroblasts and breast cancer cells in a 3D environment. *PLoS ONE*, **2019**, 14, e0218854	3.7	18
79	Pseudopodium dynamics and rapid cell movement in Dictyostelium Ras pathway mutants. *Cytoskeleton*, **2002**, 53, 150-62		18
78	Gene regulation during dedifferentiation in Dictyostelium discoideum. *Developmental Biology*, **1987**, 120, 561-76	3.1	17
77	Loss and resynthesis of a developmentally regulated membrane protein (gp80) during dedifferentiation and redifferentiation in Dictyostelium. *Developmental Biology*, **1983**, 98, 502-9	3.1	17
76	A characterization of the preaggregative period of Dictyostelium discoideum. *Developmental Biology*, **1985**, 110, 157-70	3.1	17
75	Role of Tec1 in the development, architecture, and integrity of sexual biofilms of Candida albicans. *Eukaryotic Cell*, **2015**, 14, 228-40		16
74	An unconventional myosin required for cell polarization and chemotaxis. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 6918-23	11.5	16
73	A new method for examining the complexity and relationships of "timers" in developing systems. *Developmental Biology*, **1983**, 95, 73-91	3.1	16
72	The regulation of RearlyRenzymes during the development and dedifferentiation of Dictyostelium discoideum. *Differentiation*, **1985**, 30, 1-6	3.5	16
71	The evolution of alternative biofilms in an opportunistic fungal pathogen: an explanation for how new signal transduction pathways may evolve. *Infection, Genetics and Evolution*, **2014**, 22, 235-43	4.5	15
70	Generating a battery of monoclonal antibodies against native green fluorescent protein for immunostaining, FACS, IP, and ChIP using a unique adjuvant. *Monoclonal Antibodies in Immunodiagnosis and Immunotherapy*, **2014**, 33, 80-8	1.9	15
69	Behavioral studies into the mechanism of eukaryotic chemotaxis. *Journal of Chemical Ecology*, **1990**, 16, 133-50	2.7	15
68	An analysis of developmental timing in Dictyostelium discoideum. *Developmental Biology*, **1983**, 95, 92-107	3.1	15
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