

# William T Starmer

## List of Publications by Citations

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92  
papers

3,261  
citations

36  
h-index

53  
g-index

92  
ext. papers

3,573  
ext. citations

3.8  
avg, IF

4.83  
L-index

#	Paper	IF	Citations
92	Kodamaea kakaduensis and Candida tolerans, two new ascomycetous yeast species from Australian Hibiscus flowers. <i>Canadian Journal of Microbiology</i> , <b>1999</b> , 45, 172-7	3.2	197
91	Biogeography of the yeasts of ephemeral flowers and their insects. <i>FEMS Yeast Research</i> , <b>2001</b> , 1, 1-8	3.1	172
90	The ecological role of killer yeasts in natural communities of yeasts. <i>Canadian Journal of Microbiology</i> , <b>1987</b> , 33, 783-96	3.2	149
89	Phenotypic plasticity in fungi: a review with observations on Aureobasidium pullulans. <i>Mycologia</i> , <b>2009</b> , 101, 823-32	2.4	94
88	How sexual selection can drive the evolution of costly sperm ornamentation. <i>Nature</i> , <b>2016</b> , 533, 535-8	50.4	88
87	Molecular basis of spectral tuning in the red- and green-sensitive (M/LWS) pigments in vertebrates. <i>Genetics</i> , <b>2008</b> , 179, 2037-43	4	86
86	Coadaptation of Drosophila and yeasts in their natural habitat. <i>Journal of Chemical Ecology</i> , <b>1986</b> , 12, 1037-55	2.7	86
85	MECHANISMS UNDERLYING THE SPERM QUALITY ADVANTAGE IN DROSOPHILA MELANOGASTER. <i>Evolution; International Journal of Organic Evolution</i> , <b>2006</b> , 60, 2064-2080	3.8	78
84	Postcopulatory sexual selection generates speciation phenotypes in Drosophila. <i>Current Biology</i> , <b>2013</b> , 23, 1853-62	6.3	76
83	A COMPARISON OF DROSOPHILA HABITATS ACCORDING TO THE PHYSIOLOGICAL ATTRIBUTES OF THE ASSOCIATED YEAST COMMUNITIES. <i>Evolution; International Journal of Organic Evolution</i> , <b>1981</b> , 35, 38-52	3.8	71
82	A mating plug and male mate choice in Drosophila hibisci Bock. <i>Animal Behaviour</i> , <b>1998</b> , 56, 919-926	2.8	62
81	Complex interactions with females and rival males limit the evolution of sperm offence and defence. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2007</b> , 274, 1779-88	4.4	62
80	Detection of tomato mosaic tobamovirus RNA in ancient glacial ice. <i>Polar Biology</i> , <b>1999</b> , 22, 207-212	2	62
79	Detection and characterization of ancient fungi entrapped in glacial ice. <i>Mycologia</i> , <b>2000</b> , 92, 286-295	2.4	60
78	Metschnikowia hamakuensis sp. nov., Metschnikowia kamakouana sp. nov. and Metschnikowia mauinuiana sp. nov., three endemic yeasts from Hawaiian nitidulid beetles. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2005</b> , 55, 1369-1377	2.2	53
77	Analysis of the community structure of yeasts associated with the decaying stems of cactus. I. <i>Stenocereus gummosus</i> . <i>Microbial Ecology</i> , <b>1982</b> , 8, 71-81	4.4	52
76	An Analysis of the Yeast Flora Associated with Cactiphilic Drosophila and their Host Plants in the Sonoran Desert and Its Relation to Temperate and Tropical Associations. <i>Ecology</i> , <b>1976</b> , 57, 151-160	4.6	51

75	Detection and Characterization of Ancient Fungi Entrapped in Glacial Ice. <i>Mycologia</i> , <b>2000</b> , 92, 286	2.4	50
74	Metschnikowia continentalis var. borealis, Metschnikowia continentalis var. continentalis, and Metschnikowia hibisci, new heterothallic haploid yeasts from ephemeral flowers and associated insects. <i>Canadian Journal of Microbiology</i> , <b>1998</b> , 44, 279-288	3.2	50
73	Recycling of pathogenic microbes through survival in ice. <i>Medical Hypotheses</i> , <b>2004</b> , 63, 773-7	3.8	49
72	Identification of yeasts found in decaying cactus tissue. <i>Canadian Journal of Microbiology</i> , <b>1988</b> , 34, 1025-1036	3.1	48
71	SEXUAL SELECTION FOR SIZE AND SYMMETRY IN A DIVERSIFYING SECONDARY SEXUAL CHARACTER IN DROSOPHILA BIPECTINATA DUDA (DIPTERA: DROSOPHILIDAE). <i>Evolution; International Journal of Organic Evolution</i> , <b>2004</b> , 58, 597-607	3.8	46
70	The quantitative genetics of fluctuating asymmetry. <i>Evolution; International Journal of Organic Evolution</i> , <b>2001</b> , 55, 498-511	3.8	46
69	Metschnikowia lochheadii and Metschnikowia drosophilae, two new yeast species isolated from insects associated with flowers. <i>Canadian Journal of Microbiology</i> , <b>2001</b> , 47, 103-9	3.2	46
68	Revival and characterization of fungi from ancient polar ice. <i>The Mycologist</i> , <b>1999</b> , 13, 70-73		46
67	The Relationship of Phylogeny to Community Structure: The Cactus Yeast Community. <i>American Naturalist</i> , <b>2004</b> , 164, 709-721	3.7	45
66	Differential regulation of duplicate alcohol dehydrogenase genes in Drosophila mojavensis. <i>Developmental Biology</i> , <b>1983</b> , 96, 346-54	3.1	45
65	Function of the mating plug in Drosophila hibisci Bock. <i>Behavioral Ecology and Sociobiology</i> , <b>2001</b> , 49, 196-205	2.5	42
64	Adaptations of Drosophila and Yeasts: their Interactions with the Volatile 2-propanol in the Cactus-Micro organism-Drosophila Model System. <i>Australian Journal of Biological Sciences</i> , <b>1986</b> , 39, 69		42
63	Yeast communities associated with Drosophila species and related flies in an eastern oak-pine forest: a comparison with western communities. <i>Journal of Industrial Microbiology</i> , <b>1995</b> , 14, 484-94		41
62	Causes of variation in wing loading among Drosophila species. <i>Biological Journal of the Linnean Society</i> , <b>1989</b> , 37, 247-261	1.9	40
61	Yeast communities from host plants and associated Drosophila in southern arizona: new isolations and analysis of the relative importance of hosts and vectors on community composition. <i>Oecologia</i> , <b>1986</b> , 70, 386-392	2.9	40
60	An analytical framework for estimating fertilization bias and the fertilization set from multiple sperm-storage organs. <i>American Naturalist</i> , <b>2013</b> , 182, 552-61	3.7	38
59	Analysis of the community structure of yeasts associated with the decaying stems of cactus. II. Opuntia species. <i>Microbial Ecology</i> , <b>1983</b> , 9, 247-59	4.4	38
58	The ecology of yeast flora associated with cactiphilic Drosophila and their host plants in the Sonoran desert. <i>Microbial Ecology</i> , <b>1976</b> , 3, 11-30	4.4	38

57	Reproductive Allocation in the Hawaiian Drosophilidae: Egg Size and Number. <i>American Naturalist</i> , <b>1981</b> , 118, 865-871	3.7	38
56	Geography and niche occupancy as determinants of yeast biodiversity: the yeast-insect-morning glory ecosystem of Kūpuka Puʻaʻulu, Hawaiʻi. <i>FEMS Yeast Research</i> , <b>2003</b> , 4, 105-11	3.1	35
55	Killer Factor as a Mechanism of Interference Competition in Yeasts Associated with Cacti. <i>Ecology</i> , <b>1992</b> , 73, 54-67	4.6	34
54	The origin of the cactus-yeast community. <i>FEMS Yeast Research</i> , <b>2003</b> , 3, 441-8	3.1	33
53	Analysis of the community structure of yeasts associated with the decaying stems of cactus. III. <i>Stenocereus thurberi</i> . <i>Microbial Ecology</i> , <b>1985</b> , 11, 165-73	4.4	33
52	EVOLUTION AND SPECIATION OF HOST PLANT SPECIFIC YEASTS. <i>Evolution; International Journal of Organic Evolution</i> , <b>1980</b> , 34, 137-146	3.8	32
51	Mechanisms underlying the sperm quality advantage in <i>Drosophila melanogaster</i> . <i>Evolution; International Journal of Organic Evolution</i> , <b>2006</b> , 60, 2064-80	3.8	32
50	Epistatic adaptive evolution of human color vision. <i>PLoS Genetics</i> , <b>2014</b> , 10, e1004884	6	31
49	<i>Kodamaea nitidulidarum</i> , <i>Candida restingae</i> and <i>Kodamaea anthophila</i> , three new related yeast species from ephemeral flowers. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>1999</b> , 49 Pt 1, 309-18	2.2	31
48	The transmission of yeasts by <i>Drosophila buzzatii</i> during courtship and mating. <i>Animal Behaviour</i> , <b>1988</b> , 36, 1691-1695	2.8	31
47	Yeasts from exudates of <i>Quercus</i> , <i>Ulmus</i> , <i>Populus</i> , and <i>Pseudotsuga</i> : New isolations and elucidation of some factors affecting ecological specificity. <i>Microbial Ecology</i> , <b>1982</b> , 8, 191-8	4.4	31
46	Comparisons of yeast floras from natural substrates and larval guts of southwestern <i>Drosophila</i> . <i>Oecologia</i> , <b>1982</b> , 52, 187-191	2.9	30
45	<i>Metschnikowia santaceciliae</i> , <i>Candida hawaiiiana</i> , and <i>Candida kipukae</i> , three new yeast species associated with insects of tropical morning glory. <i>FEMS Yeast Research</i> , <b>2003</b> , 3, 97-103	3.1	29
44	Ecological genetics of the <i>Adh-1</i> locus of <i>Drosophila buzzatii</i> . <i>Biological Journal of the Linnean Society</i> , <b>1986</b> , 28, 373-385	1.9	28
43	Relevance of the ecology of <i>Citrus</i> yeasts to the diet of <i>Drosophila</i> . <i>Microbial Ecology</i> , <b>1979</b> , 5, 43-9	4.4	27
42	Evolutionary significance of physiological relationships among yeast communities associated with trees. <i>Canadian Journal of Botany</i> , <b>1982</b> , 60, 285-293		27
41	ENVIRONMENTAL ORIGINS OF SEXUALLY SELECTED VARIATION AND A CRITIQUE OF THE FLUCTUATING ASYMMETRY-SEXUAL SELECTION HYPOTHESIS. <i>Evolution; International Journal of Organic Evolution</i> , <b>2005</b> , 59, 577-585	3.8	26
40	Genotype-specific habitat selection for oviposition sites in the cactophilic species <i>Drosophila buzzatii</i> . <i>Heredity</i> , <b>1994</b> , 72 ( Pt 4), 384-95	3.6	25

39	REPRODUCTIVE CHARACTERISTICS OF THE FLOWER BREEDING DROSOPHILA HIBISCI BOCK (DROSOPHILIDAE) IN EASTERN AUSTRALIA: GENETIC AND ENVIRONMENTAL DETERMINANTS OF OVARIOLE NUMBER. <i>Evolution; International Journal of Organic Evolution</i> , <b>1998</b> , 52, 806-815	3.8	24
38	The Nutritional Importance of Pure and Mixed Cultures of Yeasts in the Development of <i>Drosophila mulleri</i> Larvae in <i>Opuntia</i> Tissues and its Relationship to Host Plant Shifts <b>1990</b> , 145-160		23
37	Molecular genetic characterization of a locus that contains duplicate <i>Adh</i> genes in <i>Drosophila mojavensis</i> and related species. <i>Genetics</i> , <b>1986</b> , 112, 295-310	4	22
36	ORIGIN AND EXPRESSION OF AN ALCOHOL DEHYDROGENASE GENE DUPLICATION IN THE GENUS DROSOPHILA. <i>Evolution; International Journal of Organic Evolution</i> , <b>1984</b> , 38, 644-657	3.8	20
35	Biochemical characterization of the products of the <i>Adh</i> loci of <i>Drosophila mojavensis</i> . <i>Biochemical Genetics</i> , <b>1983</b> , 21, 871-83	2.4	19
34	<i>Candida ipomoeae</i> , a new yeast species related to large-spored <i>Metschnikowia</i> species. <i>Canadian Journal of Microbiology</i> , <b>1998</b> , 44, 718-722	3.2	18
33	Ribosomal DNA, species structure, and biogeography of the cactophilic yeast <i>Clavispora opuntiae</i> . <i>Canadian Journal of Microbiology</i> , <b>2000</b> , 46, 195-210	3.2	18
32	Possible Roles of New Mutations Shared by Asian and American Zika Viruses. <i>Molecular Biology and Evolution</i> , <b>2017</b> , 34, 525-534	8.3	16
31	<i>Metschnikowia vanudenii</i> sp. nov. and <i>Metschnikowia lachancei</i> sp. nov., from flowers and associated insects in North America. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2003</b> , 53, 1665-1670	2.2	16
30	Yeasts Vectored by Insects Feeding on Decaying Saguaro Cactus. <i>Southwestern Naturalist</i> , <b>1988</b> , 33, 362-363	0.3	15
29	A comparison of yeast communities found in necrotic tissue of cladodes and fruits of <i>Opuntia stricta</i> on Islands in the Caribbean Sea and where introduced into Australia. <i>Microbial Ecology</i> , <b>1987</b> , 14, 179-92	4.4	14
28	QUANTUM AND CONTINUOUS EVOLUTION OF DNA BASE COMPOSITION IN THE YEAST GENUS PICHIA. <i>Evolution; International Journal of Organic Evolution</i> , <b>1986</b> , 40, 1263-1274	3.8	14
27	<i>Metschnikowia lochheadii</i> and <i>Metschnikowia drosophilae</i> , two new yeast species isolated from insects associated with flowers. <i>Canadian Journal of Microbiology</i> , <b>2001</b> , 47, 103-109	3.2	14
26	Quantitative genetics of seminal receptacle length in <i>Drosophila melanogaster</i> . <i>Heredity</i> , <b>2001</b> , 87, 25-32	3.6	13
25	Host-plant shifts and adult survival in the cactus breeding <i>Drosophila mojavensis</i> . <i>Ecological Entomology</i> , <b>1984</b> , 9, 375-381	2.1	13
24	Speciation and evolutionary dynamics of asymmetric mating preference. <i>Researches on Population Ecology</i> , <b>1997</b> , 39, 191-200		12
23	On the biogeography of yeasts in the <i>Wickerhamiella</i> clade and description of <i>Wickerhamiella lipophila</i> sp. nov., the teleomorph of <i>Candida lipophila</i> . <i>Canadian Journal of Microbiology</i> , <b>2000</b> , 46, 1145-8	3.2	11
22	The Biogeographic Diversity of Cactophilic Yeasts <b>2006</b> , 485-499		10

21	The Yeast Community of Cacti. <i>Brock/Springer Series in Contemporary Bioscience</i> , <b>1991</b> , 158-178		10
20	Kurtzmaniella gen. nov. and description of the heterothallic, haplontic yeast species Kurtzmaniella cleridarum sp. nov., the teleomorph of Candida cleridarum. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2008</b> , 58, 520-4	2.2	9
19	The statistics of detecting positional fluctuating asymmetry. <i>Biological Journal of the Linnean Society</i> , <b>2002</b> , 77, 491-498	1.9	9
18	Metschnikowia santaceciliae, Candida hawaiiiana, and Candida kipukae, three new yeast species associated with insects of tropical morning glory. <i>FEMS Yeast Research</i> , <b>2003</b> , 3, 97-103	3.1	9
17	Reproductive characteristics of the flower-breeding Drosophila hibisci Bock (Drosophilidae) in eastern Australia: within-population genetic determinants of ovariole number. <i>Heredity</i> , <b>2000</b> , 84 (Pt 1), 90-6	3.6	9
16	Origin and Expression of an Alcohol Dehydrogenase Gene Duplication in the Genus Drosophila. <i>Evolution; International Journal of Organic Evolution</i> , <b>1984</b> , 38, 644	3.8	9
15	The costs and benefits of killer toxin production by the yeast Pichia kluyveri. <i>Antonie Van Leeuwenhoek</i> , <b>2003</b> , 83, 89-97	2.1	9
14	Adaptive evolutionary paths from UV reception to sensing violet light by epistatic interactions. <i>Science Advances</i> , <b>2015</b> , 1, e1500162	14.3	8
13	A new subclade of haplontic Metschnikowia species associated with insects of morning glory flowers in Africa and description of Metschnikowia aberdeeniae sp. nov. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2006</b> , 56, 1141-1145	2.2	8
12	The Yeast Community and Mycocin Producers of Guava Fruit in Rio de Janeiro, Brazil. <i>Mycologia</i> , <b>2000</b> , 92, 16	2.4	8
11	Spatial Scale, Genetic Structure, and Speciation of Hawaiian Endemic Yeasts 1. <i>Pacific Science</i> , <b>2016</b> , 70, 389	0.9	7
10	Genetic structure of Kurtzmaniella cleridarum, a cactus flower beetle yeast of the Sonoran and Mojave Deserts: speciation by distance?. <i>FEMS Yeast Research</i> , <b>2013</b> , 13, 674-81	3.1	7
9	Adult Life Span of Cactophilic Drosophila: Interactions among Volatiles and Yeasts. <i>American Midland Naturalist</i> , <b>1989</b> , 121, 331	0.7	6
8	Quantum and Continuous Evolution of DNA Base Composition in the Yeast Genus Pichia. <i>Evolution; International Journal of Organic Evolution</i> , <b>1986</b> , 40, 1263	3.8	5
7	The yeast community and mycocin producers of guava fruit in Rio de Janeiro, Brazil. <i>Mycologia</i> , <b>2000</b> , 92, 16-22	2.4	4
6	Phylogenetic, Geographical, and Temporal Analysis of Female Reproductive Trade-Offs in Drosophilidae <b>2003</b> , 139-171		3
5	Reproductive characteristics of the flower breeding Drosophila hibisci Bock (Drosophilidae) along a latitudinal gradient in eastern Australia: relation to flower and habitat features. <i>Biological Journal of the Linnean Society</i> , <b>1997</b> , 62, 459-473	1.9	2
4	Pichia lachancei sp. nov., associated with several Hawaiian plant species. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>1999</b> , 49 Pt 3, 1295-9	2.2	2

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| 3 | THE EVOLUTIONARY ECOLOGY OF YEASTS FOUND IN THE DECAYING STEMS OF CACTI <b>1981</b> , 493-498  |     | 2 |
| 2 | THE QUANTITATIVE GENETICS OF FLUCTUATING ASYMMETRY. <i>Evolution; International Journal of Organic Evolution</i> , <b>2007</b> , 55, 498-511 | 3.8 | 1 |
| 1 | Recycling of pathogenic microbes through survival in ice. <i>Medical Hypotheses</i> , <b>2004</b> , 63, 773-773                              | 3.8 |   |