

William T Starmer

List of Publications by Year in descending order

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92
papers

3,971
citations

81900

39
h-index

133252

59
g-index

92
all docs

92
docs citations

92
times ranked

2854
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>Kodamaea kakaduensis</i> and <i>Candida tolerans</i> , two new ascomycetous yeast species from Australian <i>Hibiscus</i> flowers. Canadian Journal of Microbiology, 1999, 45, 172-177.	1.7	228
2	Biogeography of the yeasts of ephemeral flowers and their insects. FEMS Yeast Research, 2001, 1, 1-8.	2.3	223
3	The ecological role of killer yeasts in natural communities of yeasts. Canadian Journal of Microbiology, 1987, 33, 783-796.	1.7	173
4	How sexual selection can drive the evolution of costly sperm ornamentation. Nature, 2016, 533, 535-538.	27.8	150
5	Phenotypic plasticity in fungi: a review with observations on <i>Aureobasidium pullulans</i> . Mycologia, 2009, 101, 823-832.	1.9	128
6	Coadaptation of <i>Drosophila</i> and yeasts in their natural habitat. Journal of Chemical Ecology, 1986, 12, 1037-1055.	1.8	102
7	Postcopulatory Sexual Selection Generates Speciation Phenotypes in <i>Drosophila</i> . Current Biology, 2013, 23, 1853-1862.	3.9	99
8	Molecular Basis of Spectral Tuning in the Red- and Green-Sensitive (M/LWS) Pigments in Vertebrates. Genetics, 2008, 179, 2037-2043.	2.9	97
9	MECHANISMS UNDERLYING THE SPERM QUALITY ADVANTAGE IN <i>DROSOPHILA MELANOGASTER</i> . Evolution; International Journal of Organic Evolution, 2006, 60, 2064-2080.	2.3	88
10	Detection of tomato mosaic tobamovirus RNA in ancient glacial ice. Polar Biology, 1999, 22, 207-212.	1.2	76
11	A COMPARISON OF <i>DROSOPHILA</i> HABITATS ACCORDING TO THE PHYSIOLOGICAL ATTRIBUTES OF THE ASSOCIATED YEAST COMMUNITIES. Evolution; International Journal of Organic Evolution, 1981, 35, 38-52.	2.3	75
12	Complex interactions with females and rival males limit the evolution of sperm offence and defence. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 1779-1788.	2.6	70
13	Detection and characterization of ancient fungi entrapped in glacial ice. Mycologia, 2000, 92, 286-295.	1.9	67
14	An Analysis of the Yeast Flora Associated with Cactiphilic <i>Drosophila</i> and their Host Plants in the Sonoran Desert and Its Relation to Temperate and Tropical Associations. Ecology, 1976, 57, 151-160.	3.2	66
15	A mating plug and male mate choice in <i>Drosophila hibisci</i> Bock. Animal Behaviour, 1998, 56, 919-926.	1.9	66
16	Differential regulation of duplicate alcohol dehydrogenase genes in <i>Drosophila mojavensis</i> . Developmental Biology, 1983, 96, 346-354.	2.0	59
17	<i>Metschnikowia hamakuensis</i> sp. nov., <i>Metschnikowia kamakouana</i> sp. nov. and <i>Metschnikowia mauinuiana</i> sp. nov., three endemic yeasts from Hawaiian nitidulid beetles. International Journal of Systematic and Evolutionary Microbiology, 2005, 55, 1369-1377.	1.7	59
18	Identification of yeasts found in decaying cactus tissue. Canadian Journal of Microbiology, 1988, 34, 1025-1036.	1.7	58

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19	Analysis of the community structure of yeasts associated with the decaying stems of cactus. I. <i>Stenocereus gummosus</i> . <i>Microbial Ecology</i> , 1982, 8, 71-81.	2.8	57
20	Adaptations of <i>Drosophila</i> and Yeasts: their Interactions with the Volatile 2-propanol in the Cactus-Micro organism- <i>Drosophila</i> Model System. <i>Australian Journal of Biological Sciences</i> , 1986, 39, 69.	0.5	57
21	Recycling of pathogenic microbes through survival in ice. <i>Medical Hypotheses</i> , 2004, 63, 773-777.	1.5	57
22	Yeast communities from host plants and associated <i>Drosophila</i> in southern arizona: new isolations and analysis of the relative importance of hosts and vectors on community composition. <i>Oecologia</i> , 1986, 70, 386-392.	2.0	56
23	Causes of variation in wing loading among <i>Drosophila</i> species. <i>Biological Journal of the Linnean Society</i> , 1989, 37, 247-261.	1.6	56
24	<i>Metschnikowia continentalis</i> var. <i>borealis</i> , <i>Metschnikowia continentalis</i> var. <i>continentalis</i> , and <i>Metschnikowia hibisci</i> , new heterothallic haploid yeasts from ephemeral flowers and associated insects. <i>Canadian Journal of Microbiology</i> , 1998, 44, 279-288.	1.7	56
25	Detection and Characterization of Ancient Fungi Entrapped in Glacial Ice. <i>Mycologia</i> , 2000, 92, 286.	1.9	54
26	<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> , 2001, 47, 103-109.	1.7	52
27	Yeast communities associated with <i>Drosophila</i> species and related flies in an eastern oak-pine forest: A comparison with western communities. <i>Journal of Industrial Microbiology</i> , 1995, 14, 484-494.	0.9	51
28	SEXUAL SELECTION FOR SIZE AND SYMMETRY IN A DIVERSIFYING SECONDARY SEXUAL CHARACTER IN <i>DROSOPHILA BIPECTINATA</i> DUDA (DIPTERA: DROSOPHILIDAE). <i>Evolution; International Journal of Organic Evolution</i> , 2004, 58, 597-607.	2.3	51
29	The ecology of yeast flora associated with cactiphilic <i>Drosophila</i> and their host plants in the Sonoran desert. <i>Microbial Ecology</i> , 1976, 3, 11-30.	2.8	50
30	Reproductive Allocation in the Hawaiian <i>Drosophilidae</i> : Egg Size and Number. <i>American Naturalist</i> , 1981, 118, 865-871.	2.1	50
31	Analysis of the community structure of yeasts associated with the decaying stems of cactus. II. <i>Opuntia</i> species. <i>Microbial Ecology</i> , 1983, 9, 247-259.	2.8	49
32	The Relationship of Phylogeny to Community Structure: The Cactus Yeast Community. <i>American Naturalist</i> , 2004, 164, 709-721.	2.1	49
33	An Analytical Framework for Estimating Fertilization Bias and the Fertilization Set from Multiple Sperm-Storage Organs. <i>American Naturalist</i> , 2013, 182, 552-561.	2.1	49
34	Revival and characterization of fungi from ancient polar ice. <i>The Mycologist</i> , 1999, 13, 70-73.	0.4	48
35	THE QUANTITATIVE GENETICS OF FLUCTUATING ASYMMETRY. <i>Evolution; International Journal of Organic Evolution</i> , 2001, 55, 498.	2.3	48
36	Function of the mating plug in <i>Drosophila hibisci</i> Bock. <i>Behavioral Ecology and Sociobiology</i> , 2001, 49, 196-205.	1.4	47

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37	Killer Factor as a Mechanism of Interference Competition in Yeasts Associated with Cacti. <i>Ecology</i> , 1992, 73, 54-67.	3.2	42
38	EVOLUTION AND SPECIATION OF HOST PLANT SPECIFIC YEASTS. <i>Evolution; International Journal of Organic Evolution</i> , 1980, 34, 137-146.	2.3	41
39	The transmission of yeasts by <i>Drosophila buzzatii</i> during courtship and mating. <i>Animal Behaviour</i> , 1988, 36, 1691-1695.	1.9	41
40	Kodamaea nitidularum, Candida restingae and Kodamaea anthophila, three new related yeast species from ephemeral flowers. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 1999, 49, 309-318.	1.7	41
41	The origin of the cactus-yeast community. <i>FEMS Yeast Research</i> , 2003, 3, 441-448.	2.3	40
42	Geography and niche occupancy as determinants of yeast biodiversity: the yeast-insect-morning glory ecosystem of Kpuka Puulu, Hawaii. <i>FEMS Yeast Research</i> , 2003, 4, 105-111.	2.3	39
43	Epistatic Adaptive Evolution of Human Color Vision. <i>PLoS Genetics</i> , 2014, 10, e1004884.	3.5	39
44	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> , 1982, 8, 191-198.	2.8	37
45	Ecological genetics of the Adh-1 locus of <i>Drosophila buzzatii</i> . <i>Biological Journal of the Linnean Society</i> , 1986, 28, 373-385.	1.6	37
46	Comparisons of yeast floras from natural substrates and larval guts of southwestern <i>Drosophila</i> . <i>Oecologia</i> , 1982, 52, 187-191.	2.0	36
47	ORIGIN AND EXPRESSION OF AN ALCOHOL DEHYDROGENASE GENE DUPLICATION IN THE GENUS <i>DROSOPHILA</i> . <i>Evolution; International Journal of Organic Evolution</i> , 1984, 38, 644-657.	2.3	34
48	Analysis of the community structure of yeasts associated with the decaying stems of cactus. III. <i>Stenocereus thurberi</i> . <i>Microbial Ecology</i> , 1985, 11, 165-173.	2.8	34
49	REPRODUCTIVE CHARACTERISTICS OF THE FLOWER BREEDING <i>DROSOPHILA HIBISCI</i> BOCK (<i>DROSOPHILIDAE</i>) IN EASTERN AUSTRALIA: GENETIC AND ENVIRONMENTAL DETERMINANTS OF OVARIOLE NUMBER. <i>Evolution; International Journal of Organic Evolution</i> , 1998, 52, 806-815.	2.3	32
50	Mechanisms underlying the sperm quality advantage in <i>Drosophila melanogaster</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2006, 60, 2064-80.	2.3	32
51	Relevance of the ecology of <i>Citrus</i> yeasts to the diet of <i>Drosophila</i> . <i>Microbial Ecology</i> , 1979, 5, 43-49.	2.8	31
52	, , and , three new yeast species associated with insects of tropical morning glory. <i>FEMS Yeast Research</i> , 2003, 3, 97-103.	2.3	31
53	Evolutionary significance of physiological relationships among yeast communities associated with trees. <i>Canadian Journal of Botany</i> , 1982, 60, 285-293.	1.1	30
54	MOLECULAR GENETIC CHARACTERIZATION OF A LOCUS THAT CONTAINS DUPLICATE <i>Adh</i> GENES IN <i>DROSOPHILA MOJAVENSIS</i> AND RELATED SPECIES. <i>Genetics</i> , 1986, 112, 295-310.	2.9	30

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55	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. , 1990, , 145-160.		29
56	Biochemical characterization of the products of the Adh loci of <i>Drosophila mojavensis</i> . <i>Biochemical Genetics</i> , 1983, 21, 871-883.	1.7	27
57	Genotype-specific habitat selection for oviposition sites in the cactophilic species <i>Drosophila buzzatii</i> . <i>Heredity</i> , 1994, 72, 384-395.	2.6	27
58	ENVIRONMENTAL ORIGINS OF SEXUALLY SELECTED VARIATION AND A CRITIQUE OF THE FLUCTUATING ASYMMETRY-SEXUAL SELECTION HYPOTHESIS. <i>Evolution; International Journal of Organic Evolution</i> , 2005, 59, 577-585.	2.3	27
59	Ribosomal DNA, species structure, and biogeography of the cactophilic yeast <i>Clavispora opuntiae</i> . <i>Canadian Journal of Microbiology</i> , 2000, 46, 195-210.	1.7	24
60	<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> , 2003, 53, 1665-1670.	1.7	22
61	<i>Candida ipomoeae</i> , a new yeast species related to large-spored <i>Metschnikowia</i> species. <i>Canadian Journal of Microbiology</i> , 1998, 44, 718-722.	1.7	20
62	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> , 1987, 14, 179-192.	2.8	19
63	Possible Roles of New Mutations Shared by Asian and American Zika Viruses. <i>Molecular Biology and Evolution</i> , 2017, 34, msw270.	8.9	19
64	Yeasts Vectored by Insects Feeding on Decaying Saguaro Cactus. <i>Southwestern Naturalist</i> , 1988, 33, 362.	0.1	18
65	<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> , 2001, 47, 103-109.	1.7	17
66	Quantitative genetics of seminal receptacle length in <i>Drosophila melanogaster</i> . <i>Heredity</i> , 2001, 87, 25-32.	2.6	16
67	Host-plant shifts and adult survival in the cactus breeding <i>Drosophila mojavensis</i> . <i>Ecological Entomology</i> , 1984, 9, 375-381.	2.2	15
68	QUANTUM AND CONTINUOUS EVOLUTION OF DNA BASE COMPOSITION IN THE YEAST GENUS <i>PICHIA</i> . <i>Evolution; International Journal of Organic Evolution</i> , 1986, 40, 1263-1274.	2.3	15
69	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> , 2000, 46, 1145-1148.	1.7	15
70	The costs and benefits of killer toxin production by the yeast <i>Pichia kluyveri</i> . <i>Antonie Van Leeuwenhoek</i> , 2003, 83, 89-97.	1.7	15
71	<i>Kurtzmaniella</i> gen. nov. and description of the heterothallic, haplontic yeast species <i>Kurtzmaniella cleridarum</i> sp. nov., the teleomorph of <i>Candida cleridarum</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2008, 58, 520-524.	1.7	14
72	Speciation and evolutionary dynamics of asymmetric mating preference. <i>Researches on Population Ecology</i> , 1997, 39, 191-200.	0.9	13

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73	The Yeast Community of Cacti. Brock/Springer Series in Contemporary Bioscience, 1991, , 158-178.	0.3	12
74	The Yeast Community and Mycocin Producers of Guava Fruit in Rio de Janeiro, Brazil. Mycologia, 2000, 92, 16.	1.9	12
75	Metschnikowia santaceiliae, Candida hawaiiiana, and Candida kipukae, three new yeast species associated with insects of tropical morning glory. FEMS Yeast Research, 2003, 3, 97-103.	2.3	12
76	Adaptive evolutionary paths from UV reception to sensing violet light by epistatic interactions. Science Advances, 2015, 1, e1500162.	10.3	12
77	The yeast community and mycocin producers of guava fruit in Rio de Janeiro, Brazil. Mycologia, 2000, 92, 16-22.	1.9	11
78	A new subclade of haplontic Metschnikowia species associated with insects of morning glory flowers in Africa and description of Metschnikowia aberdeeniae sp. nov.. International Journal of Systematic and Evolutionary Microbiology, 2006, 56, 1141-1145.	1.7	11
79	Reproductive characteristics of the flower-breeding Drosophila hibisci Bock (Drosophilidae) in eastern Australia: within-population genetic determinants of ovariole number. Heredity, 2000, 84, 90-96.	2.6	10
80	The Biogeographic Diversity of Cactophilic Yeasts. , 2006, , 485-499.		10
81	Origin and Expression of an Alcohol Dehydrogenase Gene Duplication in the Genus Drosophila. Evolution; International Journal of Organic Evolution, 1984, 38, 644.	2.3	9
82	The statistics of detecting positional fluctuating asymmetry. Biological Journal of the Linnean Society, 2002, 77, 491-498.	1.6	9
83	Spatial Scale, Genetic Structure, and Speciation of Hawaiian Endemic Yeasts 1. Pacific Science, 2016, 70, 389.	0.6	8
84	Genetic structure of <i>Kurtzmaniella cleridarum</i> , a cactus flower beetle yeast of the Sonoran and Mojave Deserts: speciation by distance?. FEMS Yeast Research, 2013, 13, 674-681.	2.3	7
85	Adult Life Span of Cactophilic Drosophila: Interactions among Volatiles and Yeasts. American Midland Naturalist, 1989, 121, 331.	0.4	6
86	Phylogenetic, Geographical, and Temporal Analysis of Female Reproductive Trade-Offs in Drosophilidae. , 2003, , 139-171.		6
87	Quantum and Continuous Evolution of DNA Base Composition in the Yeast Genus Pichia. Evolution; International Journal of Organic Evolution, 1986, 40, 1263.	2.3	5
88	Pichia lachancei sp. nov., associated with several Hawaiian plant species. International Journal of Systematic and Evolutionary Microbiology, 1999, 49, 1295-1299.	1.7	5
89	Reproductive characteristics of the flower breeding Drosophila hibisci Bock (Drosophilidae) along a latitudinal gradient in eastern Australia: relation to flower and habitat features. Biological Journal of the Linnean Society, 1997, 62, 459-473.	1.6	3
90	THE EVOLUTIONARY ECOLOGY OF YEASTS FOUND IN THE DECAYING STEMS OF CACTI. , 1981, , 493-498.		2

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91	THE QUANTITATIVE GENETICS OF FLUCTUATING ASYMMETRY. Evolution; International Journal of Organic Evolution, 2001, 55, 498-511.	2.3	1
92	Recycling of pathogenic microbes through survival in ice. Medical Hypotheses, 2004, 63, 773-773.	1.5	0