

William T Starmer

List of Publications by Year in descending order

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92
papers

3,971
citations

81900
39
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133252
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docs citations

92
times ranked

2854
citing authors

#	ARTICLE	IF	CITATIONS
1	Possible Roles of New Mutations Shared by Asian and American Zika Viruses. <i>Molecular Biology and Evolution</i> , 2017, 34, msw270.	8.9	19
2	How sexual selection can drive the evolution of costly sperm ornamentation. <i>Nature</i> , 2016, 533, 535-538.	27.8	150
3	Spatial Scale, Genetic Structure, and Speciation of Hawaiian Endemic Yeasts 1. <i>Pacific Science</i> , 2016, 70, 389.	0.6	8
4	Adaptive evolutionary paths from UV reception to sensing violet light by epistatic interactions. <i>Science Advances</i> , 2015, 1, e1500162.	10.3	12
5	Epistatic Adaptive Evolution of Human Color Vision. <i>PLoS Genetics</i> , 2014, 10, e1004884.	3.5	39
6	Postcopulatory Sexual Selection Generates Speciation Phenotypes in <i>Drosophila</i> . <i>Current Biology</i> , 2013, 23, 1853-1862.	3.9	99
7	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
8	Genetic structure of <i>Kurtzmaniella cleridarum</i> , a cactus flower beetle yeast of the Sonoran and Mojave Deserts: speciation by distance?. <i>FEMS Yeast Research</i> , 2013, 13, 674-681.	2.3	7
9	Phenotypic plasticity in fungi: a review with observations on <i>Aureobasidium pullulans</i> . <i>Mycologia</i> , 2009, 101, 823-832.	1.9	128
10	Molecular Basis of Spectral Tuning in the Red- and Green-Sensitive (M/LWS) Pigments in Vertebrates. <i>Genetics</i> , 2008, 179, 2037-2043.	2.9	97
11	<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
12	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> , 2007, 274, 1779-1788.	2.6	70
13	The Biogeographic Diversity of Cactophilic Yeasts. , 2006, , 485-499.		10
14	MECHANISMS UNDERLYING THE SPERM QUALITY ADVANTAGE IN <i>DROSOPHILA MELANOGASTER</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2006, 60, 2064-2080.	2.3	88
15	A new subclade of haplontic <i>Metschnikowia</i> species associated with insects of morning glory flowers in Africa and description of <i>Metschnikowia aberdeeniae</i> sp. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2006, 56, 1141-1145.	1.7	11
16	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
17	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
18	<i>Metschnikowia hamakuensis</i> sp. nov., <i>Metschnikowia kamakouana</i> sp. nov. and <i>Metschnikowia mauiuiana</i> sp. nov., three endemic yeasts from Hawaiian nitidulid beetles. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2005, 55, 1369-1377.	1.7	59

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19	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
20	Recycling of pathogenic microbes through survival in ice. <i>Medical Hypotheses</i> , 2004, 63, 773-773.	1.5	0
21	The Relationship of Phylogeny to Community Structure: The Cactus Yeast Community. <i>American Naturalist</i> , 2004, 164, 709-721.	2.1	49
22	Recycling of pathogenic microbes through survival in ice. <i>Medical Hypotheses</i> , 2004, 63, 773-777.	1.5	57
23	Geography and niche occupancy as determinants of yeast biodiversity: the yeast?insect?morning glory ecosystem of Kpuka Puaulu, Hawai'i. <i>FEMS Yeast Research</i> , 2003, 4, 105-111.	2.3	39
24	<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> , 2003, 3, 97-103.	2.3	12
25	The origin of the cactus-yeast community. <i>FEMS Yeast Research</i> , 2003, 3, 441-448.	2.3	40
26	, , and , three new yeast species associated with insects of tropical morning glory. <i>FEMS Yeast Research</i> , 2003, 3, 97-103.	2.3	31
27	<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
28	Phylogenetic, Geographical, and Temporal Analysis of Female Reproductive Trade-Offs in <i>Drosophilidae</i> . , 2003, , 139-171.		6
29	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
30	The statistics of detecting positional fluctuating asymmetry. <i>Biological Journal of the Linnean Society</i> , 2002, 77, 491-498.	1.6	9
31	<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
32	Function of the mating plug in <i>Drosophila hibisci</i> Bock. <i>Behavioral Ecology and Sociobiology</i> , 2001, 49, 196-205.	1.4	47
33	Quantitative genetics of seminal receptacle length in <i>Drosophila melanogaster</i> . <i>Heredity</i> , 2001, 87, 25-32.	2.6	16
34	Biogeography of the yeasts of ephemeral flowers and their insects. <i>FEMS Yeast Research</i> , 2001, 1, 1-8.	2.3	223
35	THE QUANTITATIVE GENETICS OF FLUCTUATING ASYMMETRY. <i>Evolution; International Journal of Organic Evolution</i> , 2001, 55, 498.	2.3	48
36	THE QUANTITATIVE GENETICS OF FLUCTUATING ASYMMETRY. <i>Evolution; International Journal of Organic Evolution</i> , 2001, 55, 498-511.	2.3	1

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37	<i>Metschnikowia lochheadii</i> and <i>Metschnikowia drosophilae</i> , two new yeast species isolated from insects associated with flowers. Canadian Journal of Microbiology, 2001, 47, 103-109.	1.7	17
38	Reproductive characteristics of the flower-breeding <i>Drosophila hibisci</i> Bock (Drosophilidae) in eastern Australia: within-population genetic determinants of ovariole number. Heredity, 2000, 84, 90-96.	2.6	10
39	Detection and characterization of ancient fungi entrapped in glacial ice. Mycologia, 2000, 92, 286-295.	1.9	67
40	The yeast community and mycocin producers of guava fruit in Rio de Janeiro, Brazil. Mycologia, 2000, 92, 16-22.	1.9	11
41	Ribosomal DNA, species structure, and biogeography of the cactophilic yeast <i>Clavispora opuntiae</i> . Canadian Journal of Microbiology, 2000, 46, 195-210.	1.7	24
42	The Yeast Community and Mycocin Producers of Guava Fruit in Rio de Janeiro, Brazil. Mycologia, 2000, 92, 16.	1.9	12
43	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> . Canadian Journal of Microbiology, 2000, 46, 1145-1148.	1.7	15
44	Detection and Characterization of Ancient Fungi Entrapped in Glacial Ice. Mycologia, 2000, 92, 286.	1.9	54
45	<i>Pichia lachancei</i> sp. nov., associated with several Hawaiian plant species. International Journal of Systematic and Evolutionary Microbiology, 1999, 49, 1295-1299.	1.7	5
46	<i>Kodamaea nitidulidarum</i> , <i>Candida restingae</i> and <i>Kodamaea anthophila</i> , three new related yeast species from ephemeral flowers. International Journal of Systematic and Evolutionary Microbiology, 1999, 49, 309-318.	1.7	41
47	Detection of tomato mosaic tobamovirus RNA in ancient glacial ice. Polar Biology, 1999, 22, 207-212.	1.2	76
48	Revival and characterization of fungi from ancient polar ice. The Mycologist, 1999, 13, 70-73.	0.4	48
49	<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
50	A mating plug and male mate choice in <i>Drosophila hibisci</i> Bock. Animal Behaviour, 1998, 56, 919-926.	1.9	66
51	<i>Candida ipomoeae</i> , a new yeast species related to large-spored <i>Metschnikowia</i> species. Canadian Journal of Microbiology, 1998, 44, 718-722.	1.7	20
52	<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. Canadian Journal of Microbiology, 1998, 44, 279-288.	1.7	56
53	REPRODUCTIVE CHARACTERISTICS OF THE FLOWER BREEDING <i>DROSOPHILA HIBISCI</i> BOCK (DROSOPHILIDAE) IN EASTERN AUSTRALIA: GENETIC AND ENVIRONMENTAL DETERMINANTS OF OVARIOLE NUMBER. Evolution; International Journal of Organic Evolution, 1998, 52, 806-815.	2.3	32
54	Reproductive characteristics of the flower breeding <i>Drosophila hibisci</i> 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

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55	Speciation and evolutionary dynamics of asymmetric mating preference. Researches on Population Ecology, 1997, 39, 191-200.	0.9	13
56	Yeast communities associated with <i>Drosophila</i> species and related flies in an eastern oak-pine forest: A comparison with western communities. Journal of Industrial Microbiology, 1995, 14, 484-494.	0.9	51
57	Genotype-specific habitat selection for oviposition sites in the cactophilic species <i>Drosophila buzzatii</i> . Heredity, 1994, 72, 384-395.	2.6	27
58	Killer Factor as a Mechanism of Interference Competition in Yeasts Associated with Cacti. Ecology, 1992, 73, 54-67.	3.2	42
59	The Yeast Community of Cacti. Brock/Springer Series in Contemporary Bioscience, 1991, , 158-178.	0.3	12
60	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
61	Adult Life Span of Cactophilic <i>Drosophila</i> : Interactions among Volatiles and Yeasts. American Midland Naturalist, 1989, 121, 331.	0.4	6
62	Causes of variation in wing loading among <i>Drosophila</i> species. Biological Journal of the Linnean Society, 1989, 37, 247-261.	1.6	56
63	Identification of yeasts found in decaying cactus tissue. Canadian Journal of Microbiology, 1988, 34, 1025-1036.	1.7	58
64	The transmission of yeasts by <i>Drosophila buzzatii</i> during courtship and mating. Animal Behaviour, 1988, 36, 1691-1695.	1.9	41
65	Yeasts Vecteded by Insects Feeding on Decaying Saguaro Cactus. Southwestern Naturalist, 1988, 33, 362.	0.1	18
66	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. Microbial Ecology, 1987, 14, 179-192.	2.8	19
67	The ecological role of killer yeasts in natural communities of yeasts. Canadian Journal of Microbiology, 1987, 33, 783-796.	1.7	173
68	Quantum and Continuous Evolution of DNA Base Composition in the Yeast Genus <i>Pichia</i> . Evolution; International Journal of Organic Evolution, 1986, 40, 1263.	2.3	5
69	Adaptations of <i>Drosophila</i> and Yeasts: their Interactions with the Volatile 2-propanol in the Cactus-Micro organism- <i>Drosophila</i> Model System. Australian Journal of Biological Sciences, 1986, 39, 69.	0.5	57
70	QUANTUM AND CONTINUOUS EVOLUTION OF DNA BASE COMPOSITION IN THE YEAST GENUS <i>PICHIA</i> . Evolution; International Journal of Organic Evolution, 1986, 40, 1263-1274.	2.3	15
71	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 comunity composition. Oecologia, 1986, 70, 386-392.	2.0	56
72	Ecological genetics of the <i>Adh-1</i> locus of <i>Drosophila buzzatii</i> . Biological Journal of the Linnean Society, 1986, 28, 373-385.	1.6	37

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73	Coadaptation of <i>Drosophila</i> and yeasts in their natural habitat. <i>Journal of Chemical Ecology</i> , 1986, 12, 1037-1055.	1.8	102
74	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
75	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
76	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.	2.3	9
77	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
78	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
79	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
80	Biochemical characterization of the products of the <i>Adh</i> loci of <i>Drosophila mojavensis</i> . <i>Biochemical Genetics</i> , 1983, 21, 871-883.	1.7	27
81	Differential regulation of duplicate alcohol dehydrogenase genes in <i>Drosophila mojavensis</i> . <i>Developmental Biology</i> , 1983, 96, 346-354.	2.0	59
82	Evolutionary significance of physiological relationships among yeast communities associated with trees. <i>Canadian Journal of Botany</i> , 1982, 60, 285-293.	1.1	30
83	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
84	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
85	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
86	A COMPARISON OF <i>DROSOPHILA</i> HABITATS ACCORDING TO THE PHYSIOLOGICAL ATTRIBUTES OF THE ASSOCIATED YEAST COMMUNITIES. <i>Evolution; International Journal of Organic Evolution</i> , 1981, 35, 38-52.	2.3	75
87	THE EVOLUTIONARY ECOLOGY OF YEASTS FOUND IN THE DECAYING STEMS OF CACTI. , 1981, , 493-498.		2
88	Reproductive Allocation in the Hawaiian <i>Drosophilidae</i> : Egg Size and Number. <i>American Naturalist</i> , 1981, 118, 865-871.	2.1	50
89	EVOLUTION AND SPECIATION OF HOST PLANT SPECIFIC YEASTS. <i>Evolution; International Journal of Organic Evolution</i> , 1980, 34, 137-146.	2.3	41
90	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

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91	The ecology of yeast flora associated with cactiphilic Drosophila and their host plants in the Sonoran desert. Microbial Ecology, 1976, 3, 11-30.	2.8	50
92	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. Ecology, 1976, 57, 151-160.	3.2	66