

William T Starmer

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Possible Roles of New Mutations Shared by Asian and American Zika Viruses. <i>Molecular Biology and Evolution</i> , 2017 , 34, 525-534	8.3	16
91	Spatial Scale, Genetic Structure, and Speciation of Hawaiian Endemic Yeasts 1. <i>Pacific Science</i> , 2016 , 70, 389	0.9	7
90	How sexual selection can drive the evolution of costly sperm ornamentation. <i>Nature</i> , 2016 , 533, 535-8	50.4	88
89	Adaptive evolutionary paths from UV reception to sensing violet light by epistatic interactions. <i>Science Advances</i> , 2015 , 1, e1500162	14.3	8
88	Epistatic adaptive evolution of human color vision. <i>PLoS Genetics</i> , 2014 , 10, e1004884	6	31
87	Postcopulatory sexual selection generates speciation phenotypes in <i>Drosophila</i> . <i>Current Biology</i> , 2013 , 23, 1853-62	6.3	76
86	An analytical framework for estimating fertilization bias and the fertilization set from multiple sperm-storage organs. <i>American Naturalist</i> , 2013 , 182, 552-61	3.7	38
85	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, 674-81	3.1	7
84	Phenotypic plasticity in fungi: a review with observations on <i>Aureobasidium pullulans</i> . <i>Mycologia</i> , 2009 , 101, 823-32	2.4	94
83	Molecular basis of spectral tuning in the red- and green-sensitive (M/LWS) pigments in vertebrates. <i>Genetics</i> , 2008 , 179, 2037-43	4	86
82	<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, 520-4	2.2	9
81	THE QUANTITATIVE GENETICS OF FLUCTUATING ASYMMETRY. <i>Evolution; International Journal of Organic Evolution</i> , 2007 , 55, 498-511	3.8	1
80	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, 1779-88	4.4	62
79	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	2.2	8
78	The Biogeographic Diversity of Cactophilic Yeasts 2006 , 485-499		10
77	MECHANISMS UNDERLYING THE SPERM QUALITY ADVANTAGE IN <i>DROSOPHILA MELANOGASTER</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2006 , 60, 2064-2080	3.8	78
76	Mechanisms underlying the sperm quality advantage in <i>Drosophila melanogaster</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2006 , 60, 2064-80	3.8	32

75	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	3.8	26
74	Metschnikowia hamakuensis sp. nov., Metschnikowia kamakouana sp. nov. and Metschnikowia mauiiiana sp. nov., three endemic yeasts from Hawaiian nitidulid beetles. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2005 , 55, 1369-1377	2.2	53
73	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> , 2004 , 58, 597-607	3.8	46
72	Recycling of pathogenic microbes through survival in ice. <i>Medical Hypotheses</i> , 2004 , 63, 773-773	3.8	
71	The Relationship of Phylogeny to Community Structure: The Cactus Yeast Community. <i>American Naturalist</i> , 2004 , 164, 709-721	3.7	45
70	Recycling of pathogenic microbes through survival in ice. <i>Medical Hypotheses</i> , 2004 , 63, 773-7	3.8	49
69	Geography and niche occupancy as determinants of yeast biodiversity: the yeast-insect-morning glory ecosystem of Kūpuka Puʻaʻulu, Hawaii. <i>FEMS Yeast Research</i> , 2003 , 4, 105-11	3.1	35
68	Metschnikowia santacerciliae, Candida hawaiiiana, and Candida kipukae, three new yeast species associated with insects of tropical morning glory. <i>FEMS Yeast Research</i> , 2003 , 3, 97-103	3.1	9
67	The origin of the cactus-yeast community. <i>FEMS Yeast Research</i> , 2003 , 3, 441-8	3.1	33
66	Metschnikowia santacerciliae, Candida hawaiiiana, and Candida kipukae, three new yeast species associated with insects of tropical morning glory. <i>FEMS Yeast Research</i> , 2003 , 3, 97-103	3.1	29
65	Metschnikowia vanudenii sp. nov. and Metschnikowia lachancei sp. nov., from flowers and associated insects in North America. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2003 , 53, 1665-1670	2.2	16
64	The costs and benefits of killer toxin production by the yeast Pichia kluyveri. <i>Antonie Van Leeuwenhoek</i> , 2003 , 83, 89-97	2.1	9
63	Phylogenetic, Geographical, and Temporal Analysis of Female Reproductive Trade-Offs in Drosophilidae 2003 , 139-171		3
62	The statistics of detecting positional fluctuating asymmetry. <i>Biological Journal of the Linnean Society</i> , 2002 , 77, 491-498	1.9	9
61	Function of the mating plug in Drosophila hibisci Bock. <i>Behavioral Ecology and Sociobiology</i> , 2001 , 49, 196-205	2.5	42
60	Quantitative genetics of seminal receptacle length in Drosophila melanogaster. <i>Heredity</i> , 2001 , 87, 25-32.6	3.6	13
59	Biogeography of the yeasts of ephemeral flowers and their insects. <i>FEMS Yeast Research</i> , 2001 , 1, 1-8	3.1	172
58	The quantitative genetics of fluctuating asymmetry. <i>Evolution; International Journal of Organic Evolution</i> , 2001 , 55, 498-511	3.8	46

57	Metschnikowia lochheadii and Metschnikowia drosophilae, two new yeast species isolated from insects associated with flowers. <i>Canadian Journal of Microbiology</i> , 2001 , 47, 103-9	3.2	46
56	Metschnikowia lochheadii and Metschnikowia drosophilae, two new yeast species isolated from insects associated with flowers. <i>Canadian Journal of Microbiology</i> , 2001 , 47, 103-109	3.2	14
55	Reproductive characteristics of the flower-breeding <i>Drosophila hibisci</i> Bock (Drosophilidae) in eastern Australia: within-population genetic determinants of ovariole number. <i>Heredity</i> , 2000 , 84 (Pt 1), 90-6	3.6	9
54	Detection and characterization of ancient fungi entrapped in glacial ice. <i>Mycologia</i> , 2000 , 92, 286-295	2.4	60
53	The yeast community and mycocin producers of guava fruit in Rio de Janeiro, Brazil. <i>Mycologia</i> , 2000 , 92, 16-22	2.4	4
52	Ribosomal DNA, species structure, and biogeography of the cactophilic yeast <i>Clavispora opuntiae</i> . <i>Canadian Journal of Microbiology</i> , 2000 , 46, 195-210	3.2	18
51	The Yeast Community and Mycocin Producers of Guava Fruit in Rio de Janeiro, Brazil. <i>Mycologia</i> , 2000 , 92, 16	2.4	8
50	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, 1145-8 ²	3.2	11
49	Detection and Characterization of Ancient Fungi Entrapped in Glacial Ice. <i>Mycologia</i> , 2000 , 92, 286	2.4	50
48	<i>Pichia lachancei</i> sp. nov., associated with several Hawaiian plant species. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 1999 , 49 Pt 3, 1295-9	2.2	2
47	<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> , 1999 , 49 Pt 1, 309-18	2.2	31
46	Detection of tomato mosaic tobamovirus RNA in ancient glacial ice. <i>Polar Biology</i> , 1999 , 22, 207-212	2	62
45	Revival and characterization of fungi from ancient polar ice. <i>The Mycologist</i> , 1999 , 13, 70-73		46
44	<i>Kodamaea kakaduensis</i> and <i>Candida tolerans</i> , two new ascomycetous yeast species from Australian Hibiscus flowers. <i>Canadian Journal of Microbiology</i> , 1999 , 45, 172-7	3.2	197
43	A mating plug and male mate choice in <i>Drosophila hibisci</i> Bock. <i>Animal Behaviour</i> , 1998 , 56, 919-926	2.8	62
42	<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	3.2	18
41	<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	3.2	50
40	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	3.8	24

39	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. <i>Biological Journal of the Linnean Society</i> , 1997 , 62, 459-473	1.9	2
38	Speciation and evolutionary dynamics of asymmetric mating preference. <i>Researches on Population Ecology</i> , 1997 , 39, 191-200		12
37	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, 484-94		41
36	Genotype-specific habitat selection for oviposition sites in the cactophilic species <i>Drosophila buzzatii</i> . <i>Heredity</i> , 1994 , 72 (Pt 4), 384-95	3.6	25
35	Killer Factor as a Mechanism of Interference Competition in Yeasts Associated with Cacti. <i>Ecology</i> , 1992 , 73, 54-67	4.6	34
34	The Yeast Community of Cacti. <i>Brock/Springer Series in Contemporary Bioscience</i> , 1991 , 158-178		10
33	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		23
32	Adult Life Span of Cactophilic <i>Drosophila</i> : Interactions among Volatiles and Yeasts. <i>American Midland Naturalist</i> , 1989 , 121, 331	0.7	6
31	Causes of variation in wing loading among <i>Drosophila</i> species. <i>Biological Journal of the Linnean Society</i> , 1989 , 37, 247-261	1.9	40
30	Identification of yeasts found in decaying cactus tissue. <i>Canadian Journal of Microbiology</i> , 1988 , 34, 1025-1036	3.1	48
29	The transmission of yeasts by <i>Drosophila buzzatii</i> during courtship and mating. <i>Animal Behaviour</i> , 1988 , 36, 1691-1695	2.8	31
28	Yeasts Vectored by Insects Feeding on Decaying Saguaro Cactus. <i>Southwestern Naturalist</i> , 1988 , 33, 362-363	0.3	15
27	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, 179-92	4.4	14
26	The ecological role of killer yeasts in natural communities of yeasts. <i>Canadian Journal of Microbiology</i> , 1987 , 33, 783-96	3.2	149
25	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	2.9	40
24	Ecological genetics of the <i>Adh-1</i> locus of <i>Drosophila buzzatii</i> . <i>Biological Journal of the Linnean Society</i> , 1986 , 28, 373-385	1.9	28
23	Coadaptation of <i>Drosophila</i> and yeasts in their natural habitat. <i>Journal of Chemical Ecology</i> , 1986 , 12, 1037-55	2.7	86
22	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	3.8	5

21	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		42
20	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	3.8	14
19	Molecular genetic characterization of a locus that contains duplicate <i>Adh</i> genes in <i>Drosophila</i> <i>mojavensis</i> and related species. <i>Genetics</i> , 1986 , 112, 295-310	4	22
18	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, 165-73	4.4	33
17	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	3.8	9
16	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	3.8	20
15	Host-plant shifts and adult survival in the cactus breeding <i>Drosophila</i> <i>mojavensis</i> . <i>Ecological Entomology</i> , 1984 , 9, 375-381	2.1	13
14	Biochemical characterization of the products of the <i>Adh</i> loci of <i>Drosophila</i> <i>mojavensis</i> . <i>Biochemical Genetics</i> , 1983 , 21, 871-83	2.4	19
13	Differential regulation of duplicate alcohol dehydrogenase genes in <i>Drosophila</i> <i>mojavensis</i> . <i>Developmental Biology</i> , 1983 , 96, 346-54	3.1	45
12	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, 247-59	4.4	38
11	Evolutionary significance of physiological relationships among yeast communities associated with trees. <i>Canadian Journal of Botany</i> , 1982 , 60, 285-293		27
10	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, 191-8	4.4	31
9	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	4.4	52
8	Comparisons of yeast floras from natural substrates and larval guts of southwestern <i>Drosophila</i> . <i>Oecologia</i> , 1982 , 52, 187-191	2.9	30
7	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	3.8	71
6	THE EVOLUTIONARY ECOLOGY OF YEASTS FOUND IN THE DECAYING STEMS OF CACTI 1981 , 493-498		2
5	Reproductive Allocation in the Hawaiian <i>Drosophilidae</i> : Egg Size and Number. <i>American Naturalist</i> , 1981 , 118, 865-871	3.7	38
4	EVOLUTION AND SPECIATION OF HOST PLANT SPECIFIC YEASTS. <i>Evolution; International Journal of Organic Evolution</i> , 1980 , 34, 137-146	3.8	32

3	Relevance of the ecology of Citrus yeasts to the diet of <i>Drosophila</i> . <i>Microbial Ecology</i> , 1979 , 5, 43-9	4.4	27
2	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	4.4	38
1	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. <i>Ecology</i> , 1976 , 57, 151-160	4.6	51