Bryan N Danforth

List of Publications by Year
in descending order

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111 papers	10,465 citations	41344 49 h-index	36028 97 g-index
113 all docs	113 docs citations	113 times ranked	7797 citing authors

#	Article	IF	Citations
1	Phylogenetic relationships and the evolution of host preferences in the largest clade of brood parasitic bees (Apidae: Nomadinae). Molecular Phylogenetics and Evolution, 2022, 166, 107326.	2.7	11
2	Phylogeny, biogeography and diversification of the mining bee family Andrenidae. Systematic Entomology, 2022, 47, 283-302.	3.9	33
3	Exosymbiotic microbes within fermented pollen provisions are as important for the development of solitary bees as the pollen itself. Ecology and Evolution, 2022, 12, e8788.	1.9	8
4	Climate-driven range shifts of a rare specialist bee, Macropis nuda (Melittidae), and its host plant, Lysimachia ciliata (Primulaceae). Global Ecology and Conservation, 2022, 37, e02180.	2.1	1
5	Genome of the bee <i>Holcopasites calliopsidisâ€”</i>a species showing the common apid trait of brood parasitism. G3: Genes, Genomes, Genetics, 2022, 12, .	1.8	2
6	(More than) Hitchhikers through the network: the shared microbiome of bees and flowers. Current Opinion in Insect Science, 2021, 44, 8-15.	4.4	55
7	Bees in the trees: Diverse spring fauna in temperate forest edge canopies. Forest Ecology and Management, 2021, 482, 118903.	3.2	43
8	Wild insect diversity increases inter-annual stability in global crop pollinator communities. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20210212.	2.6	43
9	Gene Tree Estimation Error with Ultraconserved Elements: An Empirical Study on<i>Pseudapis</i>Bees. Systematic Biology, 2021, 70, 803-821.	5.6	25
10	Apple grower pollination practices and perceptions of alternative pollinators in New York and Pennsylvania. Renewable Agriculture and Food Systems, 2020, 35, 1-14.	1.8	32
11	Phylogenomic and Morphological Reevaluation of the Bee Tribes Biastini, Neolarrini, and Townsendiellini (Hymenoptera: Apidae) With Description of Three New Species of<i>Schwarzia</i>. Insect Systematics and Diversity, 2020, 4, .	1.7	9
12	Towards a U.S. national program for monitoring native bees. Biological Conservation, 2020, 252, 108821.	4.1	54
13	Pollen defenses negatively impact foraging and fitness in a generalist bee (Bombus impatiens: Apidae). Scientific Reports, 2020, 10, 3112.	3.3	39
14	Sources and frequency of brood loss in solitary bees. Apidologie, 2019, 50, 515-525.	2.0	20
15	Omnivory in Bees: Elevated Trophic Positions among All Major Bee Families. American Naturalist, 2019, 194, 414-421.	2.1	47
16	The diversification of neopasiphaeine bees during the Cenozoic (Hymenoptera: Colletidae). Zoologica Scripta, 2019, 48, 226-242.	1.7	27
17	Agriculturally dominated landscapes reduce bee phylogenetic diversity and pollination services. Science, 2019, 363, 282-284.	12.6	183
18	Combining transcriptomes and ultraconserved elements to illuminate the phylogeny of Apidae. Molecular Phylogenetics and Evolution, 2019, 130, 121-131.	2.7	127

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19	Viral transmission in honey bees and native bees, supported by a global black queen cell virus phylogeny. Environmental Microbiology, 2019, 21, 972-983.	3.8	38
20	On the universality of targetâ€enrichment baits for phylogenomic research. Methods in Ecology and Evolution, 2018, 9, 1453-1460.	5.2	51
21	Phylogeny, new generic-level classification, and historical biogeography of the Eucera complex (Hymenoptera: Apidae). Molecular Phylogenetics and Evolution, 2018, 119, 81-92.	2.7	55
22	Pollinivory and the diversification dynamics of bees. Biology Letters, 2018, 14, 20180530.	2.3	21
23	A global synthesis of the effects of diversified farming systems on arthropod diversity within fields and across agricultural landscapes. Global Change Biology, 2017, 23, 4946-4957.	9.5	259
24	Flower handling behavior and abundance determine the relative contribution of pollinators to seed set in apple orchards. Agriculture, Ecosystems and Environment, 2017, 246, 102-108.	5.3	38
25	Phylogenomic Insights into the Evolution of Stinging Wasps and the Origins of Ants and Bees. Current Biology, 2017, 27, 1019-1025.	3.9	329
26	The impact of GC bias on phylogenetic accuracy using targeted enrichment phylogenomic data. Molecular Phylogenetics and Evolution, 2017, 111, 149-157.	2.7	50
27	Long-legged bees make adaptive leaps: linking adaptation to coevolution in a plantâ€“pollinator network. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20171707.	2.6	22
28	Playing with extremes: Origins and evolution of exaggerated female forelegs in South African Rediviva bees. Molecular Phylogenetics and Evolution, 2017, 115, 95-105.	2.7	10
29	Pollen preferences among the bee species visiting apple (Malus pumila) in New York. Apidologie, 2017, 48, 806-820.	2.0	22
30	Phylogenetic systematics and a revised generic classification of anthidiine bees (Hymenoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 30	2.7	34
31	Crop domestication facilitated rapid geographical expansion of a specialist pollinator, the squash bee<i>Peponapis pruinosa</i>. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20160443.	2.6	94
32	Per-visit pollinator performance and regional importance of wild Bombus and Andrena (Melandrena) compared to the managed honey bee in New York apple orchards. Apidologie, 2016, 47, 145-160.	2.0	56
33	Pollination services for apple are dependent on diverse wild bee communities. Agriculture, Ecosystems and Environment, 2016, 221, 1-7.	5.3	121
34	The challenge of accurately documenting bee species richness in agroecosystems: bee diversity in eastern apple orchards. Ecology and Evolution, 2015, 5, 3531-3540.	1.9	58
35	Nest Suitability, Fine-Scale Population Structure and Male-Mediated Dispersal of a Solitary Ground Nesting Bee in an Urban Landscape. PLoS ONE, 2015, 10, e0125719.	2.5	44
36	Introduction of Non-Native Pollinators Can Lead to Trans-Continental Movement of Bee-Associated Fungi. PLoS ONE, 2015, 10, e0130560.	2.5	38

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37	Negative effects of pesticides on wild bee communities can be buffered by landscape context. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20150299.	2.6	144
38	Delivery of crop pollination services is an insufficient argument for wild pollinator conservation. Nature Communications, 2015, 6, 7414.	12.8	656
39	Climate, physiological tolerance and sexâ€biased dispersal shape genetic structure of <scp>N</scp>eotropical orchid bees. Molecular Ecology, 2014, 23, 1874-1890.	3.9	62
40	Discovery and characterization of microsatellites for the solitary bee Colletes inaequalis using Sanger and 454 pyrosequencing. Apidologie, 2013, 44, 163-172.	2.0	10
41	The bee tree of life: a supermatrix approach to apoid phylogeny and biogeography. BMC Evolutionary Biology, 2013, 13, 138.	3.2	134
42	Biodiversity ensures plantâ€“pollinator phenological synchrony against climate change. Ecology Letters, 2013, 16, 1331-1338.	6.4	184
43	Social Insects: Are Ants Just Wingless Bees?. Current Biology, 2013, 23, R1011-R1012.	3.9	6
44	The Impact of Molecular Data on Our Understanding of Bee Phylogeny and Evolution. Annual Review of Entomology, 2013, 58, 57-78.	11.8	200
45	A global quantitative synthesis of local and landscape effects on wild bee pollinators in agroecosystems. Ecology Letters, 2013, 16, 584-599.	6.4	875
46	ORIGINS, EVOLUTION, AND DIVERSIFICATION OF CLEPTOPARASITIC LINEAGES IN LONG-TONGUED BEES. Evolution; International Journal of Organic Evolution, 2013, 67, n/a-n/a.	2.3	34
47	Historical changes in northeastern US bee pollinators related to shared ecological traits. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 4656-4660.	7.1	432
48	Bees diversified in the age of eudicots. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20122686.	2.6	187
49	Revision and reclassification of <i>Lasioglossum</i> (<i>Evylaeus</i>), <i>L.</i> (<i>Hemihalictus</i>) and <i>L.</i> (<i>Sphecodogastra</i>) in eastern North America (Hymenoptera: Apoidea: Halictidae). Zootaxa, 2013, 3672, 1-117.	0.5	114
50	Phylogeny of halictine bees supports a shared origin of eusociality for Halictus and Lasioglossum (Apoidea: Anthophila: Halictidae). Molecular Phylogenetics and Evolution, 2012, 65, 926-939.	2.7	137
51	Taxonomic affinity of halictid bee fossils (Hymenoptera: Anthophila) based on geometric morphometrics analyses of wing shape. Journal of Systematic Palaeontology, 2012, 10, 755-764.	1.5	33
52	Biogeography and diversification of colletid bees (Hymenoptera: Colletidae): emerging patterns from the southern end of the world. Journal of Biogeography, 2012, 39, 526-544.	3.0	95
53	Phylogeny of the bee family Megachilidae (Hymenoptera: Apoidea) based on adult morphology. Systematic Entomology, 2012, 37, 261-286.	3.9	59
54	Identifying the sister group to the bees: a molecular phylogeny of Aculeata with an emphasis on the superfamily Apoidea. Zoologica Scripta, 2012, 41, 527-535.	1.7	63

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55	Morphology, Classification, and Antiquity of Melittosphex burmensis (Apoidea: Melittosphecidae) and Implications for Early Bee Evolution. Journal of Paleontology, 2011, 85, 882-891.	0.8	31
56	A simple and distinctive microbiota associated with honey bees and bumble bees. Molecular Ecology, 2011, 20, 619-628.	3.9	462
57	Rooting phylogenies using gene duplications: An empirical example from the bees (Apoidea). Molecular Phylogenetics and Evolution, 2011, 60, 295-304.	2.7	19
58	Isolation and cross-species characterization of polymorphic microsatellites for the orchid bee Eulaema meriana (Hymenoptera: Apidae: Euglossini). Conservation Genetics Resources, 2011, 3, 21-23.	0.8	2
59	Why do leafcutter bees cut leaves? New insights into the early evolution of bees. Proceedings of the Royal Society B: Biological Sciences, 2011, 278, 3593-3600.	2.6	93
60	Climate-associated phenological advances in bee pollinators and bee-pollinated plants. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 20645-20649.	7.1	402
61	The Antiquity and Evolutionary History of Social Behavior in Bees. PLoS ONE, 2011, 6, e21086.	2.5	161
62	Unexpected Polylecty in the Bee Genus Meganomia (Hymenoptera: Apoidea: Melittidae). Journal of the Kansas Entomological Society, 2010, 83, 221-230.	0.2	4
63	Comprehensive phylogeny of apid bees reveals the evolutionary origins and antiquity of cleptoparasitism. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 16207-16211.	7.1	164
64	Phylogeny of the bee family Melittidae (Hymenoptera: Anthophila) based on combined molecular and morphological data. Systematic Entomology, 2009, 34, 574-597.	3.9	55
65	Phylogeny of colletid bees (Hymenoptera: Colletidae) inferred from four nuclear genes. Molecular Phylogenetics and Evolution, 2009, 50, 290-309.	2.7	70
66	Episodes in insect evolution. Integrative and Comparative Biology, 2009, 49, 590-606.	2.0	57
67	Phylogeny and biogeography of bees of the tribe Osmiini (Hymenoptera: Megachilidae). Molecular Phylogenetics and Evolution, 2008, 49, 185-197.	2.7	70
68	Phylogeny of the Xeromelissinae (Hymenoptera: Colletidae) Based upon Morphology and Molecules. Apidologie, 2008, 39, 75-85.	2.0	11
69	Phylogeny of Halictidae with an emphasis on endemic African Halictinae. Apidologie, 2008, 39, 86-101.	2.0	48
70	Insights into Bee Evolution: A Tribute to Charles D. Michener. Apidologie, 2008, 39, 1-2.	2.0	28
71	Phylogenetic relationships and hostâ€plant evolution within the basal clade of Halictidae (Hymenoptera, Apoidea). Cladistics, 2008, 24, 255-269.	3.3	30
72	Changing Paradigms in Insect Social Evolution: Insights from Halictine and Allodapine Bees. Annual Review of Entomology, 2007, 52, 127-150.	11.8	198

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73	Low nuclear DNA variation supports a recent origin of Hawaiian Hylaeus bees (Hymenoptera:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	2.7	21
74	Bees. Current Biology, 2007, 17, R156-R161.	3.9	38
75	Recent and simultaneous origins of eusociality in halictid bees. Proceedings of the Royal Society B: Biological Sciences, 2006, 273, 1643-1649.	2.6	130
76	Evolution and biogeography of native Hawaiian Hylaeus bees (Hymenoptera: Colletidae). Cladistics, 2006, 22, 393-411.	3.3	76
77	Analysis of family-level relationships in bees (Hymenoptera: Apiformes) using 28S and two previously unexplored nuclear genes: CAD and RNA polymerase II. Molecular Phylogenetics and Evolution, 2006, 39, 358-372.	2.7	115
78	A Fossil Bee from Early Cretaceous Burmese Amber. Science, 2006, 314, 614-614.	12.6	94
79	The history of early bee diversification based on five genes plus morphology. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 15118-15123.	7.1	208
80	How do insect nuclear ribosomal genes compare to protein-coding genes in phylogenetic utility and nucleotide substitution patterns?. Systematic Entomology, 2005, 30, 549-562.	3.9	51
81	Single-Copy Nuclear Genes Recover Cretaceous-Age Divergences in Bees. Systematic Biology, 2004, 53, 309-326.	5.6	130
82	Recent Intron Gain in Elongation Factor-1Î± of Colletid Bees (Hymenoptera: Colletidae). Molecular Biology and Evolution, 2004, 21, 691-696.	8.9	28
83	Molecular Phylogenetics and Evolution of Maternal Care in Membracine Treehoppers. Systematic Biology, 2004, 53, 400-421.	5.6	44
84	How do insect nuclear and mitochondrial gene substitution patterns differ? Insights from Bayesian analyses of combined datasets. Molecular Phylogenetics and Evolution, 2004, 30, 686-702.	2.7	314
85	Phylogeny of Eusocial Lasioglossum Reveals Multiple Losses of Eusociality within a Primitively Eusocial Clade of Bees (Hymenoptera: Halictidae). Systematic Biology, 2003, 52, 23-36.	5.6	123
86	Evolution of sociality in a primitively eusocial lineage of bees. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 286-290.	7.1	157
87	PHYLOGEOGRAPHY OF THE SOCIALLY POLYMORPHIC SWEAT BEE HALICTUS RUBICUNDUS (HYMENOPTERA:) Tj ETQq1 1 0.784314 rgB	2.3	9
88	BEES IN THE NEW MILLENIUM. BioScience, 2002, 52, 848.	4.9	0
89	PHYLOGEOGRAPHY OF THE SOCIALLY POLYMORPHIC SWEAT BEE HALICTUS RUBICUNDUS (HYMENOPTERA:) Tj ETQq1 1 0.784314 rgB	2.3	76
90	Phylogenetic Utility of the Major Opsin in Bees (Hymenoptera: Apoidea): A Reassessment. Molecular Phylogenetics and Evolution, 2001, 19, 76-93.	2.7	50

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91	Australian Lasioglossum + Homalictus Form a Monophyletic Group: Resolving the â€œAustralian Enigmaâ€. Systematic Biology, 2001, 50, 268-283.	5.6	39
92	Determining Parasitoid Species Composition in a Host Population: A Molecular Approach. Annals of the Entomological Society of America, 2000, 93, 640-647.	2.5	52
93	Male dimorphism in Perdita portalis (Hymenoptera, Andrenidae) has arisen from preexisting allometric patterns. Insectes Sociaux, 1999, 46, 18-28.	1.2	33
94	Phylogeny of the bee genus Lasioglossum (Hymenoptera: Halictidae) based on mitochondrial COI sequence data. Systematic Entomology, 1999, 24, 377-393.	3.9	80
95	Phylogeny of the Bee Genus Halictus (Hymenoptera: Halictidae) Based on Parsimony and Likelihood Analyses of Nuclear EF-1Î± Sequence Data. Molecular Phylogenetics and Evolution, 1999, 13, 605-618.	2.7	104
96	Two New and Highly Apomorphic Species of the Lasioglossum Subgenus Evylaeus (Hymenoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.5	3
97	Reply from W.T. Wcislo and B.N. Danforth. Trends in Ecology and Evolution, 1998, 13, 199.	8.7	0
98	Mitochondrial Dna Differentiation between Two Cryptic Halictus (Hymenoptera: Halictidae) Species. Annals of the Entomological Society of America, 1998, 91, 387-391.	2.5	40
99	Secondarily solitary: the evolutionary loss of social behavior. Trends in Ecology and Evolution, 1997, 12, 468-474.	8.7	159
100	NESTMATE RELATEDNESS IN A COMMUNAL BEE,<i>PERDITA TEXANA</i>(HYMENOPTERA: ANDRENIDAE), BASED ON DNA FINGERPRINTING. Evolution; International Journal of Organic Evolution, 1996, 50, 276-284.	2.3	16
101	Dynamics of a Host-Cleptoparasite Relationship: Holcopasites ruthae as a Parasite of Calliopsis pugionis (Hymenoptera: Anthophoridae, Andrenidae). Annals of the Entomological Society of America, 1993, 86, 833-840.	2.5	16
102	Biology of Calliopsis pugionis (Hymenoptera: Andrenidae): Nesting, Foraging, and Investment Sex Ratio. Annals of the Entomological Society of America, 1993, 86, 822-832.	2.5	37
103	Male Polymorphism and Polyethism in Perdita texana (Hymenoptera: Andrenidae). Annals of the Entomological Society of America, 1992, 85, 616-626.	2.5	32
104	A review of Perdita, subgenus Macrotera (Hymenoptera: Andrenidae). Contributions in Science, 1992, 436, 1-12.	0.3	1
105	The morphology and behavior of dimorphic males in Perdita portalis (Hymenoptera : Andrenidae). Behavioral Ecology and Sociobiology, 1991, 29, 235-247.	1.4	99
106	Provisioning behavior and the estimation of investment ratios in a solitary bee, Calliopsis (Hypomacrotera) persimilis (Cockerell) (Hymenoptera: Andrenidae). Behavioral Ecology and Sociobiology, 1990, 27, 159.	1.4	70
107	The evolution of hymenopteran wings: the importance of size. Journal of Zoology, 1989, 218, 247-276.	1.7	50
108	Wing Folding in the Hymenoptera. Annals of the Entomological Society of America, 1988, 81, 342-349.	2.5	32

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109	Mechanisms of spontaneous mutagenesis: An analysis of the spectrum of spontaneous mutation in the Escherichia coli lacI gene. Journal of Molecular Biology, 1986, 189, 273-284.	4.2	330
110	Rapid repeated cloning of mutant lac repressor genes. Gene, 1985, 39, 181-189.	2.2	119
111	The evolution of social behavior in the augochlorine sweat bees (Hymenoptera: Halictidae) based on a phylogenetic analysis of the genera. , 0, , 270-292.		54