

# Timothy A Linksvayer

## List of Publications by Year in descending order

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Version: 2024-02-01

65  
papers

2,753  
citations

201385

27  
h-index

197535

49  
g-index

79  
all docs

79  
docs citations

79  
times ranked

2234  
citing authors

#	ARTICLE	IF	CITATIONS
1	Inclusive fitness theory and eusociality. <i>Nature</i> , 2011, 471, E1-E4.	13.7	339
2	The Evolutionary Origin And Elaboration Of Sociality In The Aculeate Hymenoptera: Maternal Effects, Sibâ€social Effects, And Heterochrony. <i>Quarterly Review of Biology</i> , 2005, 80, 317-336.	0.0	196
3	The Neuropeptide Corazonin Controls Social Behavior and Caste Identity in Ants. <i>Cell</i> , 2017, 170, 748-759.e12.	13.5	146
4	Deconstructing the Superorganism: Social Physiology, Groundplans, and Sociogenomics. <i>Quarterly Review of Biology</i> , 2010, 85, 57-79.	0.0	125
5	DIRECT, MATERNAL, AND SIBSOCIAL GENETIC EFFECTS ON INDIVIDUAL AND COLONY TRAITS IN AN ANT. <i>Evolution; International Journal of Organic Evolution</i> , 2006, 60, 2552-2561.	1.1	99
6	GENES WITH SOCIAL EFFECTS ARE EXPECTED TO HARBOR MORE SEQUENCE VARIATION WITHIN AND BETWEEN SPECIES. <i>Evolution; International Journal of Organic Evolution</i> , 2009, 63, 1685-1696.	1.1	96
7	Blending of heritable recognition cues among ant nestmates creates distinct colony gestalt odours but prevents withinâ€colony nepotism. <i>Journal of Evolutionary Biology</i> , 2010, 23, 1498-1508.	0.8	87
8	Larval and nurse worker control of developmental plasticity and the evolution of honey bee queen-worker dimorphism. <i>Journal of Evolutionary Biology</i> , 2011, 24, 1939-1948.	0.8	87
9	Genes associated with ant social behavior show distinct transcriptional and evolutionary patterns. <i>ELife</i> , 2015, 4, e04775.	2.8	78
10	Large-Scale Coding Sequence Change Underlies the Evolution of Postdevelopmental Novelty in Honey Bees. <i>Molecular Biology and Evolution</i> , 2015, 32, 334-346.	3.5	75
11	The Genetic Basis of Transgressive Ovary Size in Honeybee Workers. <i>Genetics</i> , 2009, 183, 693-707.	1.2	67
12	Rearing Honey Bees, <i>Apis mellifera</i> , in vitro</i> 1: Effects of Sugar Concentrations on Survival and Development. <i>Journal of Insect Science</i> , 2011, 11, 1-10.	0.6	67
13	Convergent eusocial evolution is based on a shared reproductive groundplan plus lineage-specific plastic genes. <i>Nature Communications</i> , 2019, 10, 2651.	5.8	63
14	Honeybee Social Regulatory Networks Are Shaped by Colonyâ€Level Selection. <i>American Naturalist</i> , 2009, 173, E99-E107.	1.0	58
15	Ant Species Differences Determined by Epistasis between Brood and Worker Genomes. <i>PLoS ONE</i> , 2007, 2, e994.	1.1	57
16	Kin Selectionâ€Mutation Balance: A Model for the Origin, Maintenance, and Consequences of Social Cheating. <i>American Naturalist</i> , 2011, 177, 288-300.	1.0	56
17	Regulation of behaviorally associated gene networks in worker honey bee ovaries. <i>Journal of Experimental Biology</i> , 2012, 215, 124-134.	0.8	55
18	The conversion of variance and the evolutionary potential of restricted recombination. <i>Heredity</i> , 2006, 96, 111-121.	1.2	50

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19	Genomic Signature of Kin Selection in an Ant with Obligately Sterile Workers. <i>Molecular Biology and Evolution</i> , 2017, 34, 1780-1787.	3.5	47
20	Multilevel and kin selection in a connected world. <i>Nature</i> , 2010, 463, E8-E9.	13.7	44
21	Bacterial community composition and diversity in an ancestral ant fungus symbiosis. <i>FEMS Microbiology Ecology</i> , 2015, 91, fiv073.	1.3	44
22	DIRECT, MATERNAL, AND SIBSOCIAL GENETIC EFFECTS ON INDIVIDUAL AND COLONY TRAITS IN AN ANT. <i>Evolution; International Journal of Organic Evolution</i> , 2006, 60, 2552.	1.1	38
23	Developmental Evolution in Social Insects: Regulatory Networks from Genes to Societies. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2012, 318, 159-169.	0.6	36
24	The transcriptomic and evolutionary signature of social interactions regulating honey bee caste development. <i>Ecology and Evolution</i> , 2015, 5, 4795-4807.	0.8	36
25	Artificial selection on ant female caste ratio uncovers a link between female-biased sex ratios and infection by <i>Wolbachia</i> endosymbionts. <i>Journal of Evolutionary Biology</i> , 2017, 30, 225-234.	0.8	34
26	Crozier's paradox revisited: maintenance of genetic recognition systems by disassortative mating. <i>BMC Evolutionary Biology</i> , 2013, 13, 211.	3.2	33
27	The Molecular and Evolutionary Genetic Implications of Being Truly Social for the Social Insects. <i>Advances in Insect Physiology</i> , 2015, , 271-292.	1.1	32
28	Traits underlying the capacity of ant colonies to adapt to disturbance and stress regimes. <i>Systems Research and Behavioral Science</i> , 2009, 26, 315-329.	0.9	31
29	Social supergenes of superorganisms: Do supergenes play important roles in social evolution?. <i>BioEssays</i> , 2013, 35, 683-689.	1.2	30
30	Ant Colonies Prefer Infected over Uninfected Nest Sites. <i>PLoS ONE</i> , 2014, 9, e111961.	1.1	30
31	Genetic architecture of ovary size and asymmetry in European honeybee workers. <i>Heredity</i> , 2011, 106, 894-903.	1.2	27
32	Re-thinking the social ladder approach for elucidating the evolution and molecular basis of insect societies. <i>Current Opinion in Insect Science</i> , 2019, 34, 123-129.	2.2	27
33	Theoretical Predictions for Sociogenomic Data: The Effects of Kin Selection and Sex-Limited Expression on the Evolution of Social Insect Genomes. <i>Frontiers in Ecology and Evolution</i> , 2016, 4, .	1.1	25
34	<i>Wolbachia</i> -infected ant colonies have increased reproductive investment and an accelerated life cycle. <i>Journal of Experimental Biology</i> , 2020, 223, .	0.8	25
35	No benefit in diversity? The effect of genetic variation on survival and disease resistance in a polygynous social insect. <i>Ecological Entomology</i> , 2011, 36, 751-759.	1.1	24
36	Queen's worker caste ratio depends on colony size in the pharaoh ant ( <i>Monomorium pharaonis</i> ). <i>Insectes Sociaux</i> , 2011, 58, 139-144.	0.7	24

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37	Co-occurring evolutionary patterns and diversification of ant-fungus associations in the asexual fungus-farming ant <i>Mycocetopus smithii</i> in Panama. <i>Journal of Evolutionary Biology</i> , 2013, 26, 1353-1362.	0.8	24
38	Ant nurse workers exhibit behavioural and transcriptomic signatures of specialization on larval stage. <i>Animal Behaviour</i> , 2018, 141, 161-169.	0.8	24
39	GENETIC CASTE DETERMINATION IN HARVESTER ANTS: POSSIBLE ORIGIN AND MAINTENANCE BY CYTO-NUCLEAR EPISTASIS. <i>Ecology</i> , 2006, 87, 2185-2193.	1.5	23
40	The Function of Hitchhiking Behavior in the Leaf-cutting Ant <i>Atta cephalotes</i> . <i>Biotropica</i> , 2002, 34, 93-100.	0.8	22
41	Rearing honey bees ( <i>Apis mellifera</i> L.) <i>in vitro</i> : effects of feeding intervals on survival and development. <i>Journal of Apicultural Research</i> , 2010, 49, 311-317.	0.7	22
42	Pharaoh ant colonies dynamically regulate reproductive allocation based on colony demography. <i>Behavioral Ecology and Sociobiology</i> , 2018, 72, 1.	0.6	21
43	Genetic Constraints on Dishonesty and Caste Dimorphism in an Ant. <i>American Naturalist</i> , 2013, 181, 161-170.	1.0	20
44	Late-instar ant worker larvae play a prominent role in colony-level caste regulation. <i>Insectes Sociaux</i> , 2016, 63, 575-583.	0.7	20
45	Distributed physiology and the molecular basis of social life in eusocial insects. <i>Hormones and Behavior</i> , 2020, 122, 104757.	1.0	19
46	Queen-worker brood coadaptation rather than conflict may drive colony resource allocation in the ant <i>Temnothorax curvispinosus</i> . <i>Behavioral Ecology and Sociobiology</i> , 2008, 62, 647-657.	0.6	17
47	Comparative Genomics Identifies Putative Signatures of Sociality in Spiders. <i>Genome Biology and Evolution</i> , 2020, 12, 122-133.	1.1	16
48	Transcriptomic basis and evolution of the ant nurse-larval social interactome. <i>PLoS Genetics</i> , 2019, 15, e1008156.	1.5	13
49	MODELING THE MAINTENANCE OF A DEPENDENT LINEAGE SYSTEM: THE INFLUENCE OF POSITIVE FREQUENCY-DEPENDENT SELECTION ON SEX RATIO. <i>Evolution; International Journal of Organic Evolution</i> , 2009, 63, 2142-2152.	1.1	12
50	Ant cuticular hydrocarbons are heritable and associated with variation in colony productivity. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20201029.	1.2	11
51	Bridging social evolution theory and emerging empirical approaches to social behavior. <i>Current Opinion in Behavioral Sciences</i> , 2015, 6, 59-64.	2.0	10
52	Honey bee colonies regulate queen reproductive traits by controlling which queens survive to adulthood. <i>Insectes Sociaux</i> , 2016, 63, 169-174.	0.7	10
53	Ant Collective Behavior Is Heritable and Shaped by Selection. <i>American Naturalist</i> , 2020, 196, 541-554.	1.0	10
54	Levels of Selection on Threshold Characters. <i>Genetics</i> , 2008, 179, 899-905.	1.2	9

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55	Symbiont-Mediated Host-Parasite Dynamics in a Fungus-Gardening Ant. <i>Microbial Ecology</i> , 2018, 76, 530-543.	1.4	9
56	Dynamics of an ant-ant obligate mutualism: colony growth, density dependence and frequency dependence. <i>Molecular Ecology</i> , 2011, 20, 1781-1793.	2.0	7
57	Phylogeny and evolutionary history of queen polymorphic Myrmecina ants (Hymenoptera: Formicidae). <i>European Journal of Entomology</i> , 2006, 103, 619-626.	1.2	6
58	Phenotypic correlation between queen and worker brood care supports the role of maternal care in the evolution of eusociality. <i>Ecology and Evolution</i> , 2018, 8, 10409-10415.	0.8	5
59	<i>Monomorium</i> . , 2019, , 1-6.		5
60	The Collective Behavior of Ant Groups Depends on Group Genotypic Composition. <i>Journal of Heredity</i> , 2022, 113, 102-108.	1.0	4
61	Survival of the fittest group. <i>Nature</i> , 2014, 514, 308-309.	13.7	3
62	Subsociality and the Evolution of Eusociality. , 2019, , 661-666.		1
63	Genetics of Social Behavior. , 2021, , 421-425.		1
64	<i>Monomorium</i> . , 2021, , 599-604.		0
65	Genetics of Social Behavior. , 2020, , 1-5.		0