James A Fordyce

List of Publications by Year
in descending order

112 papers	8,753 citations	87888 38 h-index	46799 89 g-index
117 all docs	117 docs citations	117 times ranked	10439 citing authors

#	Article	IF	Citations
1	Fewer butterflies seen by community scientists across the warming and drying landscapes of the American West. Science, 2021, 371, 1042-1045.	12.6	101
2	Geographic patterns of genomic variation in the threatened Salado salamander, Eurycea chisholmensis. Conservation Genetics, 2021, 22, 811-821.	1.5	2
3	Insects and recent climate change. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	239
4	Distinguishing nutrientâ€dependent plant driven bacterial colonization patterns in alfalfa. Environmental Microbiology Reports, 2020, 12, 70-77.	2.4	7
5	Microbial Communities across Global Marine Basins Show Important Compositional Similarities by Depth. MBio, 2020, 11, .	4.1	18
6	Predicting patch occupancy reveals the complexity of host range expansion. Science Advances, 2020, 6, .	10.3	14
7	Nest substrate, more than ant activity, drives fungal pathogen community dissimilarity in seed-dispersing ant nests. Oecologia, 2020, 194, 649-657.	2.0	4
8	Caterpillars on a phytochemical landscape: The case of alfalfa and the Melissa blue butterfly. Ecology and Evolution, 2020, 10, 4362-4374.	1.9	7
9	Codependency between plant and arbuscular mycorrhizal fungal communities: what is the evidence?. New Phytologist, 2020, 228, 828-838.	7.3	25
10	Recent hybrids recapitulate ancient hybrid outcomes. Nature Communications, 2020, 11, 2179.	12.8	29
11	Pesticide Contamination of Milkweeds Across the Agricultural, Urban, and Open Spaces of Low-Elevation Northern California. Frontiers in Ecology and Evolution, 2020, 8, .	2.2	28
12	Host density and habitat structure influence host contact rates and Batrachochytrium salamandrivorans transmission. Scientific Reports, 2020, 10, 5584.	3.3	21
13	Variable colonization by the hemlock woolly adelgid suggests infestation is associated with hemlock host species. Biological Invasions, 2019, 21, 2891-2906.	2.4	5
14	Does group feeding by toxic prey confer a defensive benefit? Aristolochic acid content, group size and survival of firstâ€instar pipevine swallowtail (<scp><i>Battus philenor</i></scp> L.) larvae. Ecological Entomology, 2019, 44, 745-752.	2.2	5
15	Bee Communities across Gap, Edge, and Closed-Canopy Microsites in Forest Stands with Group Selection Openings. Forest Science, 2019, 65, 751-757.	1.0	6
16	Not all ectomycorrhizal fungal lineages are equal. New Phytologist, 2019, 222, 1670-1672.	7.3	3
17	Vertical differentiation in tropical forest butterflies: a novel mechanism generating insect diversity?. Biology Letters, 2019, 15, 20180723.	2.3	8
18	Extreme heterogeneity of population response to climatic variation and the limits of prediction. Global Change Biology, 2019, 25, 2127-2136.	9.5	31

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19	Reef fish functional traits evolve fastest at trophic extremes. Nature Ecology and Evolution, 2019, 3, 191-199.	7.8	23
20	The predictability of genomic changes underlying a recent host shift in Melissa blue butterflies. Molecular Ecology, 2018, 27, 2651-2666.	3.9	34
21	A hierarchical Bayesian model to incorporate uncertainty into methods for diversity partitioning. Ecology, 2018, 99, 947-956.	3.2	10
22	Impacts of a millennium drought on butterfly faunal dynamics. Climate Change Responses, 2018, 5, .	2.6	28
23	Exploring variation in phyllosphere microbial communities across four hemlock species. Ecosphere, 2018, 9, e02524.	2.2	17
24	Pairwise beta diversity resolves an underappreciated source of confusion in calculating species turnover. Ecology, 2017, 98, 933-939.	3.2	40
25	Not all toxic butterflies are toxic: high intraâ€•and interspecific variation in sequestration in subtropical swallowtails. Ecosphere, 2017, 8, e02025.	2.2	5
26	Species-free species distribution models describe macroecological properties of protected area networks. PLoS ONE, 2017, 12, e0173443.	2.5	5
27	Greater host breadth still not associated with increased diversification rate in the Nymphalidae-A response to Janz et al.. Evolution; International Journal of Organic Evolution, 2016, 70, 1156-1160.	2.3	6
28	Plantâ€"soil feedbacks: connecting ecosystem ecology and evolution. Functional Ecology, 2016, 30, 1032-1042.	3.6	83
29	<i>Selaginella</i>and the Satyr:<i>Euptychia westwoodi</i>(Lepidoptera: Nymphalidae) Oviposition Preference and Larval Performance. Journal of Insect Science, 2016, 16, 39.	1.5	5
30	Indirect impacts of invaders: A case study of the Pacific sheath-tailed bat (Emballonura semicaudata) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	4.1	3
31	Conservation of aquatic insect species across a protected area network: null model reveals shortfalls of biogeographical knowledge. Journal of Insect Conservation, 2016, 20, 565-581.	1.4	6
32	Understanding a migratory species in a changing world: climatic effects and demographic declines in the western monarch revealed by four decades of intensive monitoring. Oecologia, 2016, 181, 819-830.	2.0	58
33	Quantifying diet breadth through ordination of host association. Ecology, 2016, 97, 842-849.	3.2	19
34	A tale of two communities: Neotropical butterfly assemblages show higher beta diversity in the canopy compared to the understory. Oecologia, 2016, 181, 235-243.	2.0	32
35	The Many Dimensions of Diet Breadth: Phytochemical, Genetic, Behavioral, and Physiological Perspectives on the Interaction between a Native Herbivore and an Exotic Host. PLoS ONE, 2016, 11, e0147971.	2.5	27
36	Quantifying diet breadth through ordination of host association. Ecology, 2016, 97, 842.	3.2	1

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37	The evolution of novel host use is unlikely to be constrained by tradeâ€offs or a lack of genetic variation. Molecular Ecology, 2015, 24, 2777-2793.	3.9	86
38	Regional population differentiation in the morphologically diverse, elevationally widespread Nearctic skipper <i>Polites sabuleti</i>. Journal of Biogeography, 2015, 42, 1787-1799.	3.0	1
39	Patterns of host plant utilization and diversification in the brush-footed butterflies. Evolution; International Journal of Organic Evolution, 2015, 69, 589-601.	2.3	30
40	Extending the Concept of Diversity Partitioning to Characterize Phenotypic Complexity. American Naturalist, 2015, 186, 348-361.	2.1	27
41	Wolbachia infection and Lepidoptera of conservation concern. Journal of Insect Science, 2014, 14, 6.	1.5	10
42	The effects of qualitative and quantitative variation of aristolochic acids on preference and performance of a generalist herbivore. Entomologia Experimentalis Et Applicata, 2014, 150, 232-239.	1.4	6
43	A hierarchical perspective on the diversity of butterfly species' responses to weather in the Sierra Nevada Mountains. Ecology, 2014, 95, 2155-2168.	3.2	16
44	Admixture and the organization of genetic diversity in a butterfly species complex revealed through common and rare genetic variants. Molecular Ecology, 2014, 23, 4555-4573.	3.9	169
45	iteRates: An R Package for Implementing a Parametric Rate Comparison on Phylogenetic Trees. Evolutionary Bioinformatics, 2014, 10, EBO.S16487.	1.2	4
46	WolbachiaInfection and Lepidoptera of Conservation Concern. Journal of Insect Science, 2014, 14, 1-8.	1.5	5
47	Specificity, rank preference, and the colonization of a non-native host plant by the Melissa blue butterfly. Oecologia, 2013, 172, 177-188.	2.0	36
48	Explosive diversification following a benthic to pelagic shift in freshwater fishes. BMC Evolutionary Biology, 2013, 13, 272.	3.2	30
49	A PARAMETRIC METHOD FOR ASSESSING DIVERSIFICATION-RATE VARIATION IN PHYLOGENETIC TREES. Evolution; International Journal of Organic Evolution, 2013, 67, 368-377.	2.3	11
50	HYBRID SPECIATION AND INDEPENDENT EVOLUTION IN LINEAGES OF ALPINE BUTTERFLIES. Evolution; International Journal of Organic Evolution, 2013, 67, 1055-1068.	2.3	57
51	Complex evolutionary history of the pallid dottedâ€blue butterfly (Lycaenidae: <i>Euphilotes) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 2059-2070.	3.0	2
52	Can genetic data confirm or refute historical records? The island invasion of the small Indian mongoose (Herpestes auropunctatus). Biological Invasions, 2013, 15, 2243-2251.	2.4	18
53	Larger clutches of chemically defended butterflies reduce egg mortality: evidence from <i>Battus philenor</i>. Ecological Entomology, 2013, 38, 535-538.	2.2	7
54	Geographically multifarious phenotypic divergence during speciation. Ecology and Evolution, 2013, 3, 595-613.	1.9	20

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55	Strong influence of regional species pools on continent-wide structuring of local communities. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 266-274.	2.6	102
56	Family matters: effect of host plant variation in chemical and mechanical defenses on a sequestering specialist herbivore. Oecologia, 2012, 170, 687-693.	2.0	24
57	Larval Performance in the Context of Ecological Diversification and Speciation in<i>Lycaeides</i>Butterflies. International Journal of Ecology, 2012, 2012, 1-13.	0.8	9
58	Similarity and difference among rainforest fruitâ€feeding butterfly communities in Central and South America. Journal of Animal Ecology, 2012, 81, 472-482.	2.8	59
59	GENOMIC REGIONS WITH A HISTORY OF DIVERGENT SELECTION AFFECT FITNESS OF HYBRIDS BETWEEN TWO BUTTERFLY SPECIES. Evolution; International Journal of Organic Evolution, 2012, 66, 2167-2181.	2.3	158
60	What can DNA tell us about biological invasions?. Biological Invasions, 2012, 14, 245-253.	2.4	133
61	A Complete Record from Colonization to Extinction Reveals Density Dependence and the Importance of Winter Conditions for a Population of the Silvery Blue,<i>Glaucopsyche lygdamus</i>. Journal of Insect Science, 2011, 11, 1-9.	1.5	10
62	A Hierarchical Bayesian Approach to Ecological Count Data: A Flexible Tool for Ecologists. PLoS ONE, 2011, 6, e26785.	2.5	71
63	Genetic analysis of populations of the threatened bat Pteropus mariannus. Conservation Genetics, 2011, 12, 933-941.	1.5	30
64	After 60 years, an answer to the question: what is the Karner blue butterfly?. Biology Letters, 2011, 7, 399-402.	2.3	21
65	Ant association facilitates the evolution of diet breadth in a lycaenid butterfly. Proceedings of the Royal Society B: Biological Sciences, 2011, 278, 1539-1547.	2.6	40
66	Temporal diversification of Central American cichlids. BMC Evolutionary Biology, 2010, 10, 279.	3.2	34
67	Can optimal defence theory be used to predict the distribution of plant chemical defences?. Journal of Ecology, 2010, 98, 985-992.	4.0	177
68	Relatedness and genetic structure in a socially polymorphic population of the spider<i>Anelosimus studiosus</i>. Molecular Ecology, 2010, 19, 810-818.	3.9	24
69	Bayesian analysis of molecular variance in pyrosequences quantifies population genetic structure across the genome of Lycaeides butterflies. Molecular Ecology, 2010, 19, no-no.	3.9	87
70	Secondary contact between Lycaeides idas and L.Âmelissa in the Rocky Mountains: extensive admixture and a patchy hybrid zone. Molecular Ecology, 2010, 19, 3171-3192.	3.9	102
71	Interpreting the Î³ Statistic in Phylogenetic Diversification Rate Studies: A Rate Decrease Does Not Necessarily Indicate an Early Burst. PLoS ONE, 2010, 5, e11781.	2.5	41
72	Host plant trichomes and the advantage of being big: progeny size variation of the pipevine swallowtail. Ecological Entomology, 2010, 35, 104-107.	2.2	6

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73	Host shifts and evolutionary radiations of butterflies. Proceedings of the Royal Society B: Biological Sciences, 2010, 277, 3735-3743.	2.6	148
74	Compounded effects of climate change and habitat alteration shift patterns of butterfly diversity. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 2088-2092.	7.1	269
75	Invasive ants alter the phylogenetic structure of ant communities. Ecology, 2009, 90, 2664-2669.	3.2	81
76	Host range evolution is not driven by the optimization of larval performance: the case of Lycaeides melissa (Lepidoptera: Lycaenidae) and the colonization of alfalfa. Oecologia, 2009, 160, 551-561.	2.0	85
77	Pattern, process and geographic modes of speciation. Journal of Evolutionary Biology, 2009, 22, 2342-2347.	1.7	142
78	An unseen foe in arthropod conservation efforts: The case of Wolbachia infections in the Karner blue butterfly. Biological Conservation, 2009, 142, 3137-3146.	4.1	63
79	Considering evolutionary processes in the use of single-locus genetic data for conservation, with examples from the Lepidoptera. Journal of Insect Conservation, 2008, 12, 37-51.	1.4	36
80	Recent colonization and radiation of North American Lycaeides (Plebejus) inferred from mtDNA. Molecular Phylogenetics and Evolution, 2008, 48, 481-490.	2.7	33
81	ANTAGONISTIC, STAGEâ€SPECIFIC SELECTION ON DEFENSIVE CHEMICAL SEQUESTRATION IN A TOXIC BUTTERFLY. Evolution; International Journal of Organic Evolution, 2008, 62, 1610-1617.	2.3	44
82	What, if anything, is sympatric speciation?. Journal of Evolutionary Biology, 2008, 21, 1452-1459.	1.7	188
83	Widespread mitoâ€nuclear discordance with evidence for introgressive hybridization and selective sweeps in <i>Lycaeides</i>. Molecular Ecology, 2008, 17, 5231-5244.	3.9	133
84	Temporal dynamics in nonâ€additive responses of arthropods to hostâ€plant genotypic diversity. Oikos, 2008, 117, 255-264.	2.7	38
85	Patterns of Genitalic Morphology Around Suture Zones in North American <I>Lycaeides</I> (Lepidoptera: Lycaenidae): Implications for Taxonomy and Historical Biogeography. Annals of the Entomological Society of America, 2008, 101, 172-180.	2.5	22
86	Patterns of Genetic Variation Between the Checkered Skippers <I>Pyrgus communis</I> and <I>Pyrgus albescens</I> (Lepidoptera: Hesperiidae). Annals of the Entomological Society of America, 2008, 101, 794-800.	2.5	6
87	Extreme High-altitude Asian and Andean Pierid Butterflies Are Not Each Others' Closest Relatives. Arctic, Antarctic, and Alpine Research, 2007, 39, 137-142.	1.1	3
88	The evolutionary consequences of ecological interactions mediated through phenotypic plasticity. Journal of Experimental Biology, 2006, 209, 2377-2383.	1.7	211
89	Homoploid Hybrid Speciation in an Extreme Habitat. Science, 2006, 314, 1923-1925.	12.6	263
90	Identifying units for conservation using molecular systematics: the cautionary tale of the Karner blue butterfly. Molecular Ecology, 2006, 15, 1759-1768.	3.9	87

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91	How caterpillars avoid overheating: behavioral and phenotypic plasticity of pipevine swallowtail larvae. Oecologia, 2006, 146, 541-548.	2.0	58
92	A novel trade-off of insect diapause affecting a sequestered chemical defense. Oecologia, 2006, 149, 101-106.	2.0	18
93	Egg Morphology Varies Among Populations and Habitats Along a Suture Zone in the <I>Lycaeides idas-melissa</I> Species Complex (Lepidoptera: Lycaenidae). Annals of the Entomological Society of America, 2006, 99, 933-937.	2.5	16
94	Plant Genotypic Diversity Predicts Community Structure and Governs an Ecosystem Process. Science, 2006, 313, 966-968.	12.6	719
95	Between-clutch interactions affect a benefit of group feeding for pipevine swallowtail larvae. Ecological Entomology, 2006, 31, 75-83.	2.2	10
96	Phenological Variation in Chemical Defense of the Pipevine Swallowtail, Battus philenor. Journal of Chemical Ecology, 2005, 31, 2835-2846.	1.8	29
97	Geological barriers and restricted gene flow in the holarctic skipper Hesperia comma (Hesperiidae). Molecular Ecology, 2004, 13, 3489-3499.	3.9	37
98	GEOGRAPHIC VARIATION IN CLUTCH SIZE AND A REALIZED BENEFIT OF AGGREGATIVE FEEDING. Evolution; International Journal of Organic Evolution, 2004, 58, 447-450.	2.3	23
99	Aggregative feeding of pipevine swallowtail larvae enhances hostplant suitability. Oecologia, 2003, 135, 250-257.	2.0	61
100	Morphology and escape performance of tiger salamander larvae (Ambystoma tigrinum mavortium). The Journal of Experimental Zoology, 2003, 297A, 147-159.	1.4	34
101	CONTEMPORARY PATTERNS IN A HISTORICAL CONTEXT: PHYLOGEOGRAPHIC HISTORY OF THE PIPEVINE SWALLOWTAIL, BATTUS PHILENOR (PAPILIONIDAE). Evolution; International Journal of Organic Evolution, 2003, 57, 1089-1099.	2.3	28
102	The Ecology of Individuals: Incidence and Implications of Individual Specialization. American Naturalist, 2003, 161, 1-28.	2.1	2,154
103	ARE INDUCED DEFENSES COSTLY? CONSEQUENCES OF PREDATOR-INDUCED DEFENSES IN WESTERN TOADS, BUFO BOREAS. Ecology, 2003, 84, 68-78.	3.2	102
104	ANOTHER PERSPECTIVE ON THE SLOW-GROWTH/HIGH-MORTALITY HYPOTHESIS: CHILLING EFFECTS ON SWALLOWTAIL LARVAE. Ecology, 2003, 84, 263-268.	3.2	65
105	MEASURING INDIVIDUAL-LEVEL RESOURCE SPECIALIZATION. Ecology, 2002, 83, 2936-2941.	3.2	492
106	Lack of evidence for reproductive isolation among ecologically specialised lycaenid butterflies. Ecological Entomology, 2002, 27, 702-712.	2.2	49
107	Variation in butterfly egg adhesion: adaptation to local host plant senescence characteristics?. Ecology Letters, 2002, 6, 23-27.	6.4	33
108	The significance of wing pattern diversity in the Lycaenidae: mate discrimination by two recently diverged species. Journal of Evolutionary Biology, 2002, 15, 871-879.	1.7	109

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109	The role of plant trichomes and caterpillar group size on growth and defence of the pipevine swallowtailBattus philenor. Journal of Animal Ecology, 2001, 70, 997-1005.	2.8	125
110	Title is missing!. Journal of Chemical Ecology, 2000, 26, 2567-2578.	1.8	35
111	Title is missing!. Journal of Chemical Ecology, 2000, 26, 2857-2874.	1.8	41
112	Induced indirect defence in a lycaenid-ant association: the regulation of a resource in a mutualism. Proceedings of the Royal Society B: Biological Sciences, 2000, 267, 1857-1861.	2.6	38