Michael C Singer

List of Publications by Year
in descending order

53 papers	3,700 citations	126907 33 h-index	175258 52 g-index
55 all docs	55 docs citations	55 times ranked	2615 citing authors

#	Article	IF	Citations
1	Humanâ€“nature connectedness as a pathway to sustainability: A global metaâ€analysis. Conservation Letters, 2022, 15, e12852.	5.7	59
2	Mosaics of climatic stress across species' ranges: tradeoffs cause adaptive evolution to limits of climatic tolerance. Philosophical Transactions of the Royal Society B: Biological Sciences, 2022, 377, 20210003.	4.0	15
3	The importance of eco-evolutionary dynamics for predicting and managing insect range shifts. Current Opinion in Insect Science, 2022, 52, 100939.	4.4	4
4	Preference Provides a Plethora of Problems (Don't Panic). Annual Review of Entomology, 2021, 66, 1-22.	11.8	9
5	Colonizations cause diversification of host preferences: A mechanism explaining increased generalization at range boundaries expanding under climate change. Global Change Biology, 2021, 27, 3505-3518.	9.5	20
6	Butterflies embrace maladaptation and raise fitness in colonizing novel host. Evolutionary Applications, 2019, 12, 1417-1433.	3.1	18
7	Takeoff temperatures in <i>Melitaea cinxia</i> butterflies from latitudinal and elevational range limits: a potential adaptation to solar irradiance. Ecological Entomology, 2019, 44, 389-396.	2.2	9
8	Model vs. experiment to predict crop losses. Science, 2018, 362, 1122-1122.	12.6	5
9	Lethal trap created by adaptive evolutionary response to an exotic resource. Nature, 2018, 557, 238-241.	27.8	89
10	Attraction of <i>Melitaea cinxia</i> Butterflies to Previously-Attacked Hosts: A Likely Complement to Known Allee Effects?. Annales Zoologici Fennici, 2017, 54, 205-211.	0.6	2
11	Shifts in time and space interact as climate warms. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 12848-12850.	7.1	9
12	Variation in heat shock protein expression at the latitudinal range limits of a widelyâ€distributed species, the <scp>G</scp>lanville fritillary butterfly (<i><scp>M</scp>elitaea cinxia</i>). Physiological Entomology, 2016, 41, 241-248.	1.5	15
13	Adaptive and maladaptive consequences of â€œmatching habitat choice:â€• lessons from a rapidly-evolving butterfly metapopulation. Evolutionary Ecology, 2015, 29, 905-925.	1.2	15
14	Endangered Quino checkerspot butterfly and climate change: Short-term success but long-term vulnerability?. Journal of Insect Conservation, 2015, 19, 185-204.	1.4	45
15	Geographic mosaics of phenology, host preference, adult size and microhabitat choice predict butterfly resilience to climate warming. Oikos, 2015, 124, 41-53.	2.7	52
16	Hostâ€associated genomic differentiation in congeneric butterflies: now you see it, now you do not. Molecular Ecology, 2013, 22, 4753-4766.	3.9	24
17	Geographic mosaics of species' association: a definition and an example driven by plantâ€“insect phenological synchrony. Ecology, 2012, 93, 2658-2673.	3.2	45
18	Overstretching attribution. Nature Climate Change, 2011, 1, 2-4.	18.8	137

#	Article	IF	Citations
19	MULTITRAIT, HOST-ASSOCIATED DIVERGENCE AMONG SETS OF BUTTERFLY POPULATIONS: IMPLICATIONS FOR REPRODUCTIVE ISOLATION AND ECOLOGICAL SPECIATION. Evolution; International Journal of Organic Evolution, 2010, 64, 921-933.	2.3	49
20	Phenological asynchrony between herbivorous insects and their hosts: signal of climate change or pre-existing adaptive strategy?. Philosophical Transactions of the Royal Society B: Biological Sciences, 2010, 365, 3161-3176.	4.0	243
21	Field Studies Reveal Strong Postmating Isolation between Ecologically Divergent Butterfly Populations. PLoS Biology, 2010, 8, e1000529.	5.6	92
22	Protandry and postandry in two related butterflies: conflicting evidence about sex-specific trade-offs between adult size and emergence time. Evolutionary Ecology, 2008, 22, 701-709.	1.2	21
23	Genetic, ecological, behavioral and geographic differentiation of populations in a thistle weevil: implications for speciation and biocontrol. Evolutionary Applications, 2008, 1, 112-128.	3.1	19
24	Rapid Natural and Anthropogenic Diet Evolution: Three Examples from Checkerspot Butterflies. , 2008, , 311-324.		22
25	Variation among individual butterflies along a generalist?specialist axis: no support for the ?neural constraint? hypothesis. Ecological Entomology, 2007, 32, 257-261.	2.2	14
26	Spatial and temporal patterns of caterpillar performance and the suitability of two host plant species. Ecological Entomology, 2003, 28, 193-202.	2.2	52
27	When random sampling does not work: standard design falsely indicates maladaptive host preferences in a butterfly. Ecology Letters, 2002, 5, 1-6.	6.4	60
28	Extinctionâ€Colonization Dynamics and Hostâ€Plant Choice in Butterfly Metapopulations. American Naturalist, 2001, 158, 341-353.	2.1	150
29	Contrasting the roles of learning in butterflies foraging for nectar and oviposition sites. Animal Behaviour, 2001, 61, 847-852.	1.9	29
30	Inbreeding depression and the maintenance of genetic load in Melitaea cinxia metapopulations. Conservation Genetics, 2001, 2, 325-335.	1.5	34
31	Discrimination within and between host species by a butterfly: implications for design of preference experiments. Ecology Letters, 2000, 3, 101-105.	6.4	41
32	Does fecundity drive the evolution of insect diet?. Oikos, 2000, 88, 533-538.	2.7	21
33	LOCAL SPECIALIZATION AND LANDSCAPE-LEVEL INFLUENCE ON HOST USE IN AN HERBIVOROUS INSECT. Ecology, 2000, 81, 2177-2187.	3.2	114
34	Catastrophic Extinction of Population Sources in a Butterfly Metapopulation. American Naturalist, 1996, 148, 957-975.	2.1	139
35	Evolutionary Responses of a Butterfly Metapopulation to Human- and Climate-Caused Environmental Variation. American Naturalist, 1996, 148, S9-S39.	2.1	135
36	REPEATED REVERSALS OF HOSTâ€PREFERENCE EVOLUTION IN A SPECIALIST INSECT HERBIVORE. Evolution; International Journal of Organic Evolution, 1995, 49, 351-359.	2.3	72

#	Article	IF	Citations
37	Absence of adaptive learning from the oviposition foraging behaviour of a checkerspot butterfly. Animal Behaviour, 1995, 50, 161-175.	1.9	56
38	Correlates of speed of evolution of host preference in a set of twelve populations of the butterfly<i>Euphydryas editha</i>. Ecoscience, 1994, 1, 107-114.	1.4	53
39	Rapid human-induced evolution of insectâ€“host associations. Nature, 1993, 366, 681-683.	27.8	265
40	Sources of variations in patterns of plantâ€“insect association. Nature, 1993, 361, 251-253.	27.8	91
41	Quinolizidine alkaloids obtained byPedicularis semibarbata (Scrophulariaceae) fromLupinus fulcratus (Leguminosae) fail to influence the specialist herbivoreEuphydryas editha (Lepidoptera). Journal of Chemical Ecology, 1989, 15, 2521-2530.	1.8	58
42	Effects of maternal age and adult diet on egg weight in the butterfly <i>Euphydryas editha</i>. Ecological Entomology, 1987, 12, 401-408.	2.2	48
43	Individual selection, kin selection, and the shifting balance in the evolution of warning colours: the evidence from butterflies. Biological Journal of the Linnean Society, 1987, 32, 337-350.	1.6	160
44	The Definition and Measurement of Oviposition Preference in Plant-Feeding Insects. Springer Series in Experimental Entomology, 1986, , 65-94.	0.7	167
45	Determinants of Multiple Host Use by a Phytophagous Insect Population. Evolution; International Journal of Organic Evolution, 1983, 37, 389.	2.3	84
46	DETERMINANTS OF MULTIPLE HOST USE BY A PHYTOPHAGOUS INSECT POPULATION. Evolution; International Journal of Organic Evolution, 1983, 37, 389-403.	2.3	159
47	The basis of an apparent preference for isolated host plants by ovipositing Euptychia libye butterflies. Ecological Entomology, 1982, 7, 299-303.	2.2	44
48	On the failure of two butterfly species to respond to the presence of conspecific eggs prior to oviposition. Ecological Entomology, 1982, 7, 327-330.	2.2	21
49	Quantification of host preference by manipulation of oviposition behavior in the butterfly Euphydryas editha. Oecologia, 1982, 52, 224-229.	2.0	188
50	Pre- and post-alighting host discrimination by Euphydryas editha butterflies: The behavioural mechanisms causing clumped distributions of egg clusters. Animal Behaviour, 1981, 29, 1220-1228.	1.9	79
51	Capture does affect probability of recapture in a butterfly species. Ecological Entomology, 1981, 6, 215-216.	2.2	45
52	Dispersal and Gene Flow in a Butterfly Species. American Naturalist, 1973, 107, 58-72.	2.1	121
53	EVOLUTION OF FOODâ€PLANT PREFERENCE IN THE BUTTERFLY <i>EUPHYDRYAS EDITHA</i>. Evolution; International Journal of Organic Evolution, 1971, 25, 383-389.	2.3	177