

Camille Parmesan

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.

58
papers

32,534
citations

36
h-index

60
g-index

60
ext. papers

36,413
ext. citations

15.5
avg, IF

7.62
L-index

#	Paper	IF	Citations
58	Mosaics of climatic stress across species' ranges: tradeoffs cause adaptive evolution to limits of climatic tolerance.. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2022 , 377, 20210003	5.8	4
57	The importance of eco-evolutionary dynamics for predicting and managing insect range shifts. <i>Current Opinion in Insect Science</i> , 2022 , 52, 100939	5.1	0
56	Colonizations cause diversification of host preferences: A mechanism explaining increased generalization at range boundaries expanding under climate change. <i>Global Change Biology</i> , 2021 , 27, 3505-3518	11.4	7
55	Contrasting responses to climate change at Himalayan treelines revealed by population demographics of two dominant species. <i>Ecology and Evolution</i> , 2020 , 10, 1209-1222	2.8	15
54	Takeoff temperatures in <i>Melitaea cinxia</i> butterflies from latitudinal and elevational range limits: a potential adaptation to solar irradiance. <i>Ecological Entomology</i> , 2019 , 44, 389-396	2.1	6
53	Butterflies embrace maladaptation and raise fitness in colonizing novel host. <i>Evolutionary Applications</i> , 2019 , 12, 1417-1433	4.8	11
52	Strengthened scientific support for the Endangerment Finding for atmospheric greenhouse gases. <i>Science</i> , 2019 , 363,	33.3	22
51	Lethal trap created by adaptive evolutionary response to an exotic resource. <i>Nature</i> , 2018 , 557, 238-241	50.4	56
50	Model vs. experiment to predict crop losses. <i>Science</i> , 2018 , 362, 1122	33.3	3
49	Influence of bioenergy crops on pollinator activity varies with crop type and distance. <i>GCB Bioenergy</i> , 2018 , 10, 960-971	5.6	3
48	Ecological and methodological drivers of species' distribution and phenology responses to climate change. <i>Global Change Biology</i> , 2016 , 22, 1548-60	11.4	113
47	Variation in heat shock protein expression at the latitudinal range limits of a widely-distributed species, the Glanville fritillary butterfly (<i>Melitaea cinxia</i>). <i>Physiological Entomology</i> , 2016 , 41, 241-248	1.9	7
46	Endangered Quino checkerspot butterfly and climate change: Short-term success but long-term vulnerability?. <i>Journal of Insect Conservation</i> , 2015 , 19, 185-204	2.1	37
45	Strengthening confidence in climate change impact science. <i>Global Ecology and Biogeography</i> , 2015 , 24, 64-76	6.1	33
44	Plants and climate change: complexities and surprises. <i>Annals of Botany</i> , 2015 , 116, 849-64	4.1	239
43	Geographic mosaics of phenology, host preference, adult size and microhabitat choice predict butterfly resilience to climate warming. <i>Oikos</i> , 2015 , 124, 41-53	4	41
42	Projecting future expansion of invasive species: comparing and improving methodologies for species distribution modeling. <i>Global Change Biology</i> , 2015 , 21, 4464-80	11.4	147

41	Geographical limits to species-range shifts are suggested by climate velocity. <i>Nature</i> , 2014 , 507, 492-5	50.4	343
40	From medicine to butterflies and back again. <i>Temperature</i> , 2014 , 1, 67-70	5.2	2
39	Global imprint of climate change on marine life. <i>Nature Climate Change</i> , 2013 , 3, 919-925	21.4	1141
38	Host-associated genomic differentiation in congeneric butterflies: now you see it, now you do not. <i>Molecular Ecology</i> , 2013 , 22, 4753-66	5.7	15
37	Beyond climate change attribution in conservation and ecological research. <i>Ecology Letters</i> , 2013 , 16 Suppl 1, 58-71	10	137
36	Assessing "dangerous climate change": required reduction of carbon emissions to protect young people, future generations and nature. <i>PLoS ONE</i> , 2013 , 8, e81648	3.7	318
35	Sensitivity of Spring Phenology to Warming Across Temporal and Spatial Climate Gradients in Two Independent Databases. <i>Ecosystems</i> , 2012 , 15, 1283-1294	3.9	60
34	Warming experiments underpredict plant phenological responses to climate change. <i>Nature</i> , 2012 , 485, 494-7	50.4	606
33	Climate change and marine life. <i>Biology Letters</i> , 2012 , 8, 907-9	3.6	50
32	Divergent responses to spring and winter warming drive community level flowering trends. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 9000-5	11.5	247
31	Invasive Species Unchecked by Climate--Response. <i>Science</i> , 2012 , 335, 538-539	33.3	3
30	The pace of shifting climate in marine and terrestrial ecosystems. <i>Science</i> , 2011 , 334, 652-5	33.3	852
29	Rapid microsatellite isolation from a butterfly by de novo transcriptome sequencing: performance and a comparison with AFLP-derived distances. <i>PLoS ONE</i> , 2010 , 5, e11212	3.7	39
28	Phenological asynchrony between herbivorous insects and their hosts: signal of climate change or pre-existing adaptive strategy?. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2010 , 365, 3161-76	5.8	199
27	Visualization of Climate-Change Basics. <i>Conservation Biology</i> , 2008 , 22, 805-806	6	
26	Genetic, ecological, behavioral and geographic differentiation of populations in a thistle weevil: implications for speciation and biocontrol. <i>Evolutionary Applications</i> , 2008 , 1, 112-28	4.8	17
25	Ecology. Assisted colonization and rapid climate change. <i>Science</i> , 2008 , 321, 345-6	33.3	662
24	Where the wild things were. <i>Daedalus</i> , 2008 , 137, 31-38	2	3

23	Influences of species, latitudes and methodologies on estimates of phenological response to global warming. <i>Global Change Biology</i> , 2007 , 13, 1860-1872	11.4	886
22	Isolation and characterization of nuclear microsatellite loci for the common green darner dragonfly <i>Anax junius</i> (Odonata: Aeshnidae) to constrain patterns of phenotypic and spatial diversity. <i>Molecular Ecology Notes</i> , 2007 , 7, 845-847		5
21	Ecological and Evolutionary Responses to Recent Climate Change. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2006 , 37, 637-669	13.5	5118
20	Empirical perspectives on species borders: from traditional biogeography to global change. <i>Oikos</i> , 2005 , 108, 58-75	4	263
19	A globally coherent fingerprint of climate change impacts across natural systems. <i>Nature</i> , 2003 , 421, 37-42	50.4	7002
18	Ecological responses to recent climate change. <i>Nature</i> , 2002 , 416, 389-95	50.4	6699
17	Detection of range shifts: General methodological issues and case studies of butterflies 2001 , 57-76		8
16	Unexpected density-dependent effects of herbivory in a wild population of the annual <i>Collinsia torreyi</i> . <i>Journal of Ecology</i> , 2000 , 88, 392-400	6	41
15	Climate extremes: observations, modeling, and impacts. <i>Science</i> , 2000 , 289, 2068-74	33.3	3350
14	Impacts of Extreme Weather and Climate on Terrestrial Biota*. <i>Bulletin of the American Meteorological Society</i> , 2000 , 81, 443-450	6.1	508
13	An Introduction to Trends in Extreme Weather and Climate Events: Observations, Socioeconomic Impacts, Terrestrial Ecological Impacts, and Model Projections*. <i>Bulletin of the American Meteorological Society</i> , 2000 , 81, 413-416	6.1	413
12	Poleward shifts in geographical ranges of butterfly species associated with regional warming. <i>Nature</i> , 1999 , 399, 579-583	50.4	1562
11	Climate and species' range. <i>Nature</i> , 1996 , 382, 765-766	50.4	540
10	Absence of adaptive learning from the oviposition foraging behaviour of a checkerspot butterfly. <i>Animal Behaviour</i> , 1995 , 50, 161-175	2.8	53
9	Correlates of speed of evolution of host preference in a set of twelve populations of the butterfly <i>Euphydryas editha</i> . <i>Ecoscience</i> , 1994 , 1, 107-114	1.1	40
8	Rapid human-induced evolution of insect-host associations. <i>Nature</i> , 1993 , 366, 681-683	50.4	227
7	Sources of variations in patterns of plant-insect association. <i>Nature</i> , 1993 , 361, 251-253	50.4	80
6	Distinguishing between preference and motivation in food choice: an example from insect oviposition. <i>Animal Behaviour</i> , 1992 , 44, 463-471	2.8	93

5	Evidence against plant apparency as a constraint on evolution of insect search efficiency (Lepidoptera: Nymphalidae). <i>Journal of Insect Behavior</i> , 1991 , 4, 417-430	1.1	20
4	Variation among conspecific insect populations in the mechanistic basis of diet breadth. <i>Animal Behaviour</i> , 1989 , 37, 751-759	2.8	65
3	Synergies Between COVID-19 and Climate Change Impacts and Responses. <i>Journal of Extreme Events</i> ,	1	2
2	Human nature connectedness as a pathway to sustainability: A global meta-analysis. <i>Conservation Letters</i> , e12852	6.9	5
1	Colonizations drive host shifts, diversification of preferences and expansion of herbivore diet breadth		4