Camille Parmesan

List of Publications by Citations

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	A globally coherent fingerprint of climate change impacts across natural systems. *Nature*, **2003**, 421, 37-42	50.4	7002
57	Ecological responses to recent climate change. *Nature*, **2002**, 416, 389-95	50.4	6699
56	Ecological and Evolutionary Responses to Recent Climate Change. *Annual Review of Ecology, Evolution, and Systematics*, **2006**, 37, 637-669	13.5	5118
55	Climate extremes: observations, modeling, and impacts. *Science*, **2000**, 289, 2068-74	33.3	3350
54	Poleward shifts in geographical ranges of butterfly species associated with regional warming. *Nature*, **1999**, 399, 579-583	50.4	1562
53	Global imprint of climate change on marine life. *Nature Climate Change*, **2013**, 3, 919-925	21.4	1141
52	Influences of species, latitudes and methodologies on estimates of phenological response to global warming. *Global Change Biology*, **2007**, 13, 1860-1872	11.4	886
51	The pace of shifting climate in marine and terrestrial ecosystems. *Science*, **2011**, 334, 652-5	33.3	852
50	Ecology. Assisted colonization and rapid climate change. *Science*, **2008**, 321, 345-6	33.3	662
49	Warming experiments underpredict plant phenological responses to climate change. *Nature*, **2012**, 485, 494-7	50.4	606
48	Climate and species' range. *Nature*, **1996**, 382, 765-766	50.4	540
47	Impacts of Extreme Weather and Climate on Terrestrial Biota*. *Bulletin of the American Meteorological Society*, **2000**, 81, 443-450	6.1	508
46	An Introduction to Trends in Extreme Weather and Climate Events: Observations, Socioeconomic Impacts, Terrestrial Ecological Impacts, and Model Projections*. *Bulletin of the American Meteorological Society*, **2000**, 81, 413-416	6.1	413
45	Geographical limits to species-range shifts are suggested by climate velocity. *Nature*, **2014**, 507, 492-5	50.4	343
44	Assessing "dangerous climate change": required reduction of carbon emissions to protect young people, future generations and nature. *PLoS ONE*, **2013**, 8, e81648	3.7	318
43	Empirical perspectives on species borders: from traditional biogeography to global change. *Oikos*, **2005**, 108, 58-75	4	263
42	Divergent responses to spring and winter warming drive community level flowering trends. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 9000-5	11.5	247

41	Plants and climate change: complexities and surprises. *Annals of Botany*, **2015**, 116, 849-64	4.1	239
40	Rapid human-induced evolution of insect–host associations. *Nature*, **1993**, 366, 681-683	50.4	227
39	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, 3161-76	5.8	199
38	Projecting future expansion of invasive species: comparing and improving methodologies for species distribution modeling. *Global Change Biology*, **2015**, 21, 4464-80	11.4	147
37	Beyond climate change attribution in conservation and ecological research. *Ecology Letters*, **2013**, 16 Suppl 1, 58-71	10	137
36	Ecological and methodological drivers of species' distribution and phenology responses to climate change. *Global Change Biology*, **2016**, 22, 1548-60	11.4	113
35	Distinguishing between ‘preference’ and ‘motivation’ in food choice: an example from insect oviposition. *Animal Behaviour*, **1992**, 44, 463-471	2.8	93
34	Sources of variations in patterns of plant–insect association. *Nature*, **1993**, 361, 251-253	50.4	80
33	Variation among conspecific insect populations in the mechanistic basis of diet breadth. *Animal Behaviour*, **1989**, 37, 751-759	2.8	65
32	Sensitivity of Spring Phenology to Warming Across Temporal and Spatial Climate Gradients in Two Independent Databases. *Ecosystems*, **2012**, 15, 1283-1294	3.9	60
31	Lethal trap created by adaptive evolutionary response to an exotic resource. *Nature*, **2018**, 557, 238-241	50.4	56
30	Absence of adaptive learning from the oviposition foraging behaviour of a checkerspot butterfly. *Animal Behaviour*, **1995**, 50, 161-175	2.8	53
29	Climate change and marine life. *Biology Letters*, **2012**, 8, 907-9	3.6	50
28	Geographic mosaics of phenology, host preference, adult size and microhabitat choice predict butterfly resilience to climate warming. *Oikos*, **2015**, 124, 41-53	4	41
27	Unexpected density-dependent effects of herbivory in a wild population of the annual Collinsia torreyi. *Journal of Ecology*, **2000**, 88, 392-400	6	41
26	Correlates of speed of evolution of host preference in a set of twelve populations of the butterfly Euphydryas editha. *Ecoscience*, **1994**, 1, 107-114	1.1	40
25	Rapid microsatellite isolation from a butterfly by de novo transcriptome sequencing: performance and a comparison with AFLP-derived distances. *PLoS ONE*, **2010**, 5, e11212	3.7	39
24	Endangered Quino checkerspot butterfly and climate change: Short-term success but long-term vulnerability?. *Journal of Insect Conservation*, **2015**, 19, 185-204	2.1	37

23	Strengthening confidence in climate change impact science. *Global Ecology and Biogeography*, **2015**, 24, 64-76	6.1	33
22	Strengthened scientific support for the Endangerment Finding for atmospheric greenhouse gases. *Science*, **2019**, 363,	33.3	22
21	Evidence against plant apparency as a constraint on evolution of insect search efficiency (Lepidoptera: Nymphalidae). *Journal of Insect Behavior*, **1991**, 4, 417-430	1.1	20
20	Genetic, ecological, behavioral and geographic differentiation of populations in a thistle weevil: implications for speciation and biocontrol. *Evolutionary Applications*, **2008**, 1, 112-28	4.8	17
19	Host-associated genomic differentiation in congeneric butterflies: now you see it, now you do not. *Molecular Ecology*, **2013**, 22, 4753-66	5.7	15
18	Contrasting responses to climate change at Himalayan treelines revealed by population demographics of two dominant species. *Ecology and Evolution*, **2020**, 10, 1209-1222	2.8	15
17	Butterflies embrace maladaptation and raise fitness in colonizing novel host. *Evolutionary Applications*, **2019**, 12, 1417-1433	4.8	11
16	Detection of range shifts: General methodological issues and case studies of butterflies **2001**, 57-76		8
15	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	11.4	7
14	Variation in heat shock protein expression at the latitudinal range limits of a widely-distributed species, the Glanville fritillary butterfly (Melitaea cinxia). *Physiological Entomology*, **2016**, 41, 241-248	1.9	7
13	Takeoff temperatures in Melitaea cinxia butterflies from latitudinal and elevational range limits: a potential adaptation to solar irradiance. *Ecological Entomology*, **2019**, 44, 389-396	2.1	6
12	Isolation and characterization of nuclear microsatellite loci for the common green darner dragonfly Anax junius (Odonata: Aeshnidae) to constrain patterns of phenotypic and spatial diversity. *Molecular Ecology Notes*, **2007**, 7, 845-847		5
11	Humannature connectedness as a pathway to sustainability: A global meta-analysis. *Conservation Letters*,e12852	6.9	5
10	Colonizations drive host shifts, diversification of preferences and expansion of herbivore diet breadth		4
9	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	5.8	4
8	Invasive Species Unchecked by Climate--Response. *Science*, **2012**, 335, 538-539	33.3	3
7	Where the wild things were. *Daedalus*, **2008**, 137, 31-38	2	3
6	Model vs. experiment to predict crop losses. *Science*, **2018**, 362, 1122	33.3	3

5	Influence of bioenergy crops on pollinator activity varies with crop type and distance. *GCB Bioenergy*, **2018**, 10, 960-971	5.6	3
4	From medicine to butterflies and back again. *Temperature*, **2014**, 1, 67-70	5.2	2
3	Synergies Between COVID-19 and Climate Change Impacts and Responses. *Journal of Extreme Events*,	1	2
2	The importance of eco-evolutionary dynamics for predicting and managing insect range shifts. *Current Opinion in Insect Science*, **2022**, 52, 100939	5.1	0
1	Visualization of Climate-Change Basics. *Conservation Biology*, **2008**, 22, 805-806	6	