Camille Parmesan

List of Publications by Year
in descending order

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58	40,012	87723 38	143772 57
papers	citations	h-index	g-index

60	60	60	34803
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A globally coherent fingerprint of climate change impacts across natural systems. Nature, 2003, 421, 37-42.	13.7	8,607
2	Ecological responses to recent climate change. Nature, 2002, 416, 389-395.	13.7	7,926
3	Ecological and Evolutionary Responses to Recent Climate Change. Annual Review of Ecology, Evolution, and Systematics, 2006, 37, 637-669.	3.8	6,374
4	Climate Extremes: Observations, Modeling, and Impacts. Science, 2000, 289, 2068-2074.	6.0	3,976
5	Poleward shifts in geographical ranges of butterfly species associated with regional warming. Nature, 1999, 399, 579-583.	13.7	1,874
6	Global imprint of climate change on marine life. Nature Climate Change, 2013, 3, 919-925.	8.1	1,602
7	Influences of species, latitudes and methodologies on estimates of phenological response to global warming. Global Change Biology, 2007, 13, 1860-1872.	4.2	1,083
8	The Pace of Shifting Climate in Marine and Terrestrial Ecosystems. Science, 2011, 334, 652-655.	6.0	1,062
9	Assisted Colonization and Rapid Climate Change. Science, 2008, 321, 345-346.	6.0	786
10	Warming experiments underpredict plant phenological responses to climate change. Nature, 2012, 485, 494-497.	13.7	772
11	Climate and species' range. Nature, 1996, 382, 765-766.	13.7	621
12	Impacts of Extreme Weather and Climate on Terrestrial Biota*. Bulletin of the American Meteorological Society, 2000, 81, 443-450.	1.7	598
13	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.	1.7	478
14	Assessing â€œDangerous Climate Changeâ€: Required Reduction of Carbon Emissions to Protect Young People, Future Generations and Nature. PLoS ONE, 2013, 8, e81648.	1.1	448
15	Geographical limits to species-range shifts are suggested by climate velocity. Nature, 2014, 507, 492-495.	13.7	436
16	Plants and climate change: complexities and surprises. Annals of Botany, 2015, 116, 849-864.	1.4	381
17	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, 9000-9005.	3.3	318
18	Empirical perspectives on species borders: from traditional biogeography to global change. Oikos, 2005, 108, 58-75.	1.2	299

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19	Rapid human-induced evolution of insectâ€“host associations. Nature, 1993, 366, 681-683.	13.7	265
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.	1.8	243
21	Projecting future expansion of invasive species: comparing and improving methodologies for species distribution modeling. Global Change Biology, 2015, 21, 4464-4480.	4.2	224
22	Beyond climate change attribution in conservation and ecological research. Ecology Letters, 2013, 16, 58-71.	3.0	167
23	Ecological and methodological drivers of speciesâ€™ distribution and phenology responses to climate change. Global Change Biology, 2016, 22, 1548-1560.	4.2	162
24	Overstretching attribution. Nature Climate Change, 2011, 1, 2-4.	8.1	137
25	Sensitivity of Spring Phenology to Warming Across Temporal and Spatial Climate Gradients in Two Independent Databases. Ecosystems, 2012, 15, 1283-1294.	1.6	107
26	Distinguishing between â€˜preferenceâ€™ and â€˜motivationâ€™ in food choice: an example from insect oviposition. Animal Behaviour, 1992, 44, 463-471.	0.8	102
27	Sources of variations in patterns of plantâ€“insect association. Nature, 1993, 361, 251-253.	13.7	91
28	Lethal trap created by adaptive evolutionary response to an exotic resource. Nature, 2018, 557, 238-241.	13.7	89
29	Variation among conspecific insect populations in the mechanistic basis of diet breadth. Animal Behaviour, 1989, 37, 751-759.	0.8	71
30	Climate change and marine life. Biology Letters, 2012, 8, 907-909.	1.0	60
31	Humanâ€“nature connectedness as a pathway to sustainability: A global metaâ€analysis. Conservation Letters, 2022, 15, e12852.	2.8	59
32	Absence of adaptive learning from the oviposition foraging behaviour of a checkerspot butterfly. Animal Behaviour, 1995, 50, 161-175.	0.8	56
33	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.	0.6	53
34	Geographic mosaics of phenology, host preference, adult size and microhabitat choice predict butterfly resilience to climate warming. Oikos, 2015, 124, 41-53.	1.2	52
35	Unexpected density-dependent effects of herbivory in a wild population of the annual Collinsia torreyi. Journal of Ecology, 2000, 88, 392-400.	1.9	47
36	Endangered Quino checkerspot butterfly and climate change: Short-term success but long-term vulnerability?. Journal of Insect Conservation, 2015, 19, 185-204.	0.8	45

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37	Strengthening confidence in climate change impact science. Global Ecology and Biogeography, 2015, 24, 64-76.	2.7	45
38	Rapid Microsatellite Isolation from a Butterfly by De Novo Transcriptome Sequencing: Performance and a Comparison with AFLP-Derived Distances. PLoS ONE, 2010, 5, e11212.	1.1	42
39	Strengthened scientific support for the Endangerment Finding for atmospheric greenhouse gases. Science, 2019, 363, .	6.0	34
40	Contrasting responses to climate change at Himalayan treelines revealed by population demographics of two dominant species. Ecology and Evolution, 2020, 10, 1209-1222.	0.8	25
41	Hostâ€associated genomic differentiation in congeneric butterflies: now you see it, now you do not. Molecular Ecology, 2013, 22, 4753-4766.	2.0	24
42	Evidence against plant ?apparency? as a constraint on evolution of insect search efficiency (Lepidoptera: Nymphalidae). Journal of Insect Behavior, 1991, 4, 417-430.	0.4	22
43	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.	4.2	20
44	Genetic, ecological, behavioral and geographic differentiation of populations in a thistle weevil: implications for speciation and biocontrol. Evolutionary Applications, 2008, 1, 112-128.	1.5	19
45	Butterflies embrace maladaptation and raise fitness in colonizing novel host. Evolutionary Applications, 2019, 12, 1417-1433.	1.5	18
46	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.	0.6	15
47	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.	1.8	15
48	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.	1.1	9
49	Detection of range shifts: General methodological issues and case studies of butterflies. , 2001, , 57-76.		9
50	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.	1.7	6
51	Model vs. experiment to predict crop losses. Science, 2018, 362, 1122-1122.	6.0	5
52	Influence of bioenergy crops on pollinator activity varies with crop type and distance. GCB Bioenergy, 2018, 10, 960-971.	2.5	5
53	From medicine to butterflies and back again. Temperature, 2014, 1, 67-70.	1.7	4
54	The importance of eco-evolutionary dynamics for predicting and managing insect range shifts. Current Opinion in Insect Science, 2022, 52, 100939.	2.2	4

#	Article	IF	Citations
55	Where the wild things were. Daedalus, 2008, 137, 31-38.	0.9	3
56	Invasive Species Unchecked by Climateâ€”Response. Science, 2012, 335, 538-539.	6.0	3
57	Synergies Between COVID-19 and Climate Change Impacts and Responses. Journal of Extreme Events, 2021, 08, .	1.2	3
58	Visualization of Climate-Change Basics. Conservation Biology, 2008, 22, 805-806.	2.4	0