

Jennifer M Sunday

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

6,421
citations

304368

22
h-index

433756

31
g-index

32
all docs

32
docs citations

32
times ranked

8049
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal tolerance and the global redistribution of animals. <i>Nature Climate Change</i> , 2012, 2, 686-690.	8.1	1,109
2	Global analysis of thermal tolerance and latitude in ectotherms. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011, 278, 1823-1830.	1.2	972
3	Thermal-safety margins and the necessity of thermoregulatory behavior across latitude and elevation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 5610-5615.	3.3	906
4	Greater vulnerability to warming of marine versus terrestrial ectotherms. <i>Nature</i> , 2019, 569, 108-111.	13.7	426
5	Species traits and climate velocity explain geographic range shifts in an ocean warming hotspot. <i>Ecology Letters</i> , 2015, 18, 944-953.	3.0	334
6	Things fall apart: biological species form unconnected parsimony networks. <i>Biology Letters</i> , 2007, 3, 509-512.	1.0	258
7	Predicting the fate of eDNA in the environment and implications for studying biodiversity. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20191409.	1.2	255
8	Ocean acidification through the lens of ecological theory. <i>Ecology</i> , 2015, 96, 3-15.	1.5	237
9	Thermal tolerance patterns across latitude and elevation. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019, 374, 20190036.	1.8	215
10	Quantifying Rates of Evolutionary Adaptation in Response to Ocean Acidification. <i>PLoS ONE</i> , 2011, 6, e22881.	1.1	212
11	Defining and observing stages of climate-mediated range shifts in marine systems. <i>Global Environmental Change</i> , 2014, 26, 27-38.	3.6	207
12	Expanding, shifting and shrinking: The impact of global warming on species' elevational distributions. <i>Global Ecology and Biogeography</i> , 2018, 27, 1268-1276.	2.7	190
13	Ocean acidification can mediate biodiversity shifts by changing biogenic habitat. <i>Nature Climate Change</i> , 2017, 7, 81-85.	8.1	164
14	GlobTherm, a global database on thermal tolerances for aquatic and terrestrial organisms. <i>Scientific Data</i> , 2018, 5, 180022.	2.4	164
15	The evolution of critical thermal limits of life on Earth. <i>Nature Communications</i> , 2021, 12, 1198.	5.8	149
16	Understanding interactions between plasticity, adaptation and range shifts in response to marine environmental change. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019, 374, 20180186.	1.8	145
17	Elevated seawater CO ₂ concentrations impair larval development and reduce larval survival in endangered northern abalone (<i>Haliotis kamtschatkana</i>). <i>Journal of Experimental Marine Biology and Ecology</i> , 2011, 400, 272-277.	0.7	103
18	Metabolic Theory and the Temperature-Size Rule Explain the Temperature Dependence of Population Carrying Capacity. <i>American Naturalist</i> , 2018, 192, 687-697.	1.0	88

#	ARTICLE	IF	CITATIONS
19	Life in fluctuating environments. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190454.	1.8	81
20	Distinguishing geographical range shifts from artefacts of detectability and sampling effort. <i>Diversity and Distributions</i> , 2015, 21, 13-22.	1.9	52
21	Key information needs to move from knowledge to action for biodiversity conservation in Canada. <i>Biological Conservation</i> , 2021, 256, 108983.	1.9	40
22	Warming-Induced Changes to Body Size Stabilize Consumer-Resource Dynamics. <i>American Naturalist</i> , 2017, 189, 718-725.	1.0	29
23	Sea star populations diverge by positive selection at a sperm-egg compatibility locus. <i>Ecology and Evolution</i> , 2013, 3, 640-654.	0.8	17
24	The pace of biodiversity change in a warming climate. <i>Nature</i> , 2020, 580, 460-461.	13.7	16
25	Discovery and Cross-Amplification of Microsatellite Polymorphisms in Asterinid Sea Stars. <i>Biological Bulletin</i> , 2008, 215, 164-172.	0.7	11
26	Sperm <i>Bindin</i> Divergence under Sexual Selection and Concerted Evolution in Sea Stars. <i>Molecular Biology and Evolution</i> , 2016, 33, 1988-2001.	3.5	11
27	Horizon scan of conservation issues for inland waters in Canada. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2020, 77, 869-881.	0.7	10
28	Wildcards in climate change biology. <i>Ecological Monographs</i> , 2021, 91, e01471.	2.4	9
29	When do fish succumb to heat?. <i>Science</i> , 2020, 369, 35-36.	6.0	8
30	Allelic inheritance in naturally occurring parthenogenetic offspring of the gonochoric sea star <i>Patiria miniata</i> . <i>Invertebrate Biology</i> , 2009, 128, 276-282.	0.3	2
31	Survival of the finfish. <i>Nature Climate Change</i> , 2017, 7, 692-693.	8.1	1