

Sergio A Estay

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

1,245
citations

471509

17
h-index

377865

34
g-index

52
all docs

52
docs citations

52
times ranked

1946
citing authors

#	ARTICLE	IF	CITATIONS
1	Socioeconomic and environmental contexts of suicidal rates in a latitudinal gradient: Understanding interactions to inform public health interventions. <i>Journal of Psychiatric Research</i> , 2022, 148, 45-51.	3.1	2
2	Spatial and temporal shift in the factors affecting the population dynamics of <i>Calanus</i> copepods in the North Sea. <i>Global Change Biology</i> , 2021, 27, 576-586.	9.5	9
3	Snow Cover and Snow Persistence Changes in the Mocho-Choshuenco Volcano (Southern Chile) Derived From 35 Years of Landsat Satellite Images. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	2.2	3
4	The Importance of Intraspecific Variation for Niche Differentiation and Species Distribution Models: The Ecologically Diverse Frog <i>Pleurodema thaul</i> as Study Case. <i>Evolutionary Biology</i> , 2020, 47, 206-219.	1.1	6
5	Extinction risk assessment of a Patagonian ungulate using population dynamics models under climate change scenarios. <i>International Journal of Biometeorology</i> , 2020, 64, 1847-1855.	3.0	1
6	Ecology of the collapse of Rapa Nui society. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20200662.	2.6	31
7	Spatio-temporal assessment of beech growth in relation to climate extremes in Slovenia – An integrated approach using remote sensing and tree-ring data. <i>Agricultural and Forest Meteorology</i> , 2020, 287, 107925.	4.8	61
8	Ormiscodes amphimone Outbreak Frequency Increased Since 2000 in Subantarctic <i>Nothofagus pumilio</i> Forests of Chilean Patagonia. , 2020, , 61-75.		2
9	Insect Pests Affecting Exotic Trees in Chile and Their Management. , 2020, , 185-195.		4
10	The amphibian-killing fungus in a biodiversity hotspot: identifying and validating high-risk areas and refugia. <i>Ecosphere</i> , 2019, 10, e02724.	2.2	12
11	Quantifying massive outbreaks of the defoliator moth <i>Ormiscodes amphimone</i> in deciduous <i>Nothofagus</i> -dominated southern forests using remote sensing time series analysis. <i>Journal of Applied Entomology</i> , 2019, 143, 787-796.	1.8	19
12	A Self-Calibrated Non-Parametric Time Series Analysis Approach for Assessing Insect Defoliation of Broad-Leaved Deciduous <i>Nothofagus pumilio</i> Forests. <i>Remote Sensing</i> , 2019, 11, 204.	4.0	24
13	Widespread infection of <i>Areospora rohanae</i> in southern king crab (<i>Lithodes santolla</i>) populations across south Chilean Patagonia. <i>Royal Society Open Science</i> , 2019, 6, 190682.	2.4	1
14	Integrating species and interactions into similarity metrics: a graph theory-based approach to understanding community similarity. <i>PeerJ</i> , 2019, 7, e7013.	2.0	4
15	The relative role of ecological interactions and environmental variables on the population dynamics of marine benthic polychaetes. <i>Marine Biodiversity</i> , 2018, 48, 1203-1212.	1.0	4
16	Food webs over time: evaluating structural differences and variability of degree distributions in food webs. <i>Ecosphere</i> , 2018, 9, e02539.	2.2	4
17	Sex bias in ability to cope with cancer: Tasmanian devils and facial tumour disease. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20182239.	2.6	31
18	Protected areas™ effectiveness under climate change: a latitudinal distribution projection of an endangered mountain ungulate along the Andes Range. <i>PeerJ</i> , 2018, 6, e5222.	2.0	18

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19	High temporal variability in the occurrence of consumer–resource interactions in ecological networks. <i>Oikos</i> , 2017, 126, 1699-1707.	2.7	17
20	Size matters: point pattern analysis biases the estimation of spatial properties of stomata distribution. <i>New Phytologist</i> , 2017, 213, 1956-1960.	7.3	6
21	Ectotherms in Variable Thermal Landscapes: A Physiological Evaluation of the Invasive Potential of Fruit Flies Species. <i>Frontiers in Physiology</i> , 2016, 7, 302.	2.8	11
22	Correspondence between the habitat of the threatened pudŕ (Cervidae) and the national protected-area system of Chile. <i>BMC Ecology</i> , 2016, 16, 1.	3.0	58
23	Invasive Insects in the Mediterranean Forests of Chile. , 2016, , 379-396.		4
24	Whooping cough dynamics in Chile (1932–2010): disease temporal fluctuations across a north-south gradient. <i>BMC Infectious Diseases</i> , 2015, 15, 590.	2.9	7
25	Bird Richness and Abundance in Response to Urban Form in a Latin American City: Valdivia, Chile as a Case Study. <i>PLoS ONE</i> , 2015, 10, e0138120.	2.5	70
26	Combining environmental suitability and population abundances to evaluate the invasive potential of the tunicate <i>Ciona intestinalis</i> along the temperate South American coast. <i>PeerJ</i> , 2015, 3, e1357.	2.0	13
27	Impact of global warming at the range margins: phenotypic plasticity and behavioral thermoregulation will buffer an endemic amphibian. <i>Ecology and Evolution</i> , 2014, 4, 4467-4475.	1.9	34
28	The role of temperature variability on insect performance and population dynamics in a warming world. <i>Oikos</i> , 2014, 123, 131-140.	2.7	121
29	Differential responses to thermal variation between fitness metrics. <i>Scientific Reports</i> , 2014, 4, 5349.	3.3	21
30	Evaluating Habitat Suitability for the Establishment of <i>Monochamus</i> spp. through Climate-Based Niche Modeling. <i>PLoS ONE</i> , 2014, 9, e102592.	2.5	18
31	Warming effects in the western Antarctic Peninsula ecosystem: the role of population dynamic models for explaining and predicting penguin trends. <i>Population Ecology</i> , 2013, 55, 557-565.	1.2	14
32	Effects of human mediated disturbances on exotic forest insect diversity in a Chilean mediterranean ecosystem. <i>Biodiversity and Conservation</i> , 2012, 21, 3699-3710.	2.6	7
33	Late Quaternary hydrological and ecological changes in the hyperarid core of the northern Atacama Desert (~21ŔS). <i>Earth-Science Reviews</i> , 2012, 113, 120-140.	9.1	127
34	Increased outbreak frequency associated with changes in the dynamic behaviour of populations of two aphid species. <i>Oikos</i> , 2012, 121, 614-622.	2.7	12
35	Data analysis in forest sciences: why do we continue using null hypothesis significance tests?. <i>Bosque</i> , 2011, 32, 3-9.	0.3	0
36	A Simultaneous Test of Synchrony Causal Factors in Muskrat and Mink Fur Returns at Different Scales across Canada. <i>PLoS ONE</i> , 2011, 6, e27766.	2.5	7

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37	The Mean and Variance of Environmental Temperature Interact to Determine Physiological Tolerance and Fitness. <i>Physiological and Biochemical Zoology</i> , 2011, 84, 543-552.	1.5	200
38	Beyond average: an experimental test of temperature variability on the population dynamics of <i>Tribolium confusum</i> . <i>Population Ecology</i> , 2011, 53, 53-58.	1.2	59
39	Combined effect of ENSO and SAM on the population dynamics of the invasive yellowjacket wasp in central Chile. <i>Population Ecology</i> , 2010, 52, 289-294.	1.2	27
40	Climate mediated exogenous forcing and synchrony in populations of the oak aphid in the UK. <i>Oikos</i> , 2009, 118, 175-182.	2.7	16
41	Predicting insect pest status under climate change scenarios: combining experimental data and population dynamics modelling. <i>Journal of Applied Entomology</i> , 2009, 133, 491-499.	1.8	102
42	Non-linear feedback processes and a latitudinal gradient in the climatic effects determine green spruce aphid outbreaks in the UK. <i>Oikos</i> , 2008, 117, 951-959.	2.7	32
43	Northern Atlantic Oscillation effects on the temporal and spatial dynamics of green spruce aphid populations in the UK. <i>Journal of Animal Ecology</i> , 2007, 76, 782-789.	2.8	19
44	The importance of spatio-temporal dynamics on MPA's design. <i>Peer Community in Ecology</i> , 0, , 100048.	0.0	0
45	A modeling approach to estimate the historical population size of the Patagonian Kawáqsar people. <i>Holocene</i> , 0, , 095968362210807.	1.7	0