

Vasilis Dakos

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

12,507
citations

117625

34
h-index

144013

57
g-index

64
all docs

64
docs citations

64
times ranked

11649
citing authors

#	ARTICLE	IF	CITATIONS
1	A resilience sensing system for the biosphere. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2022, 377, .	4.0	6
2	Emerging signals of declining forest resilience under climate change. <i>Nature</i> , 2022, 608, 534-539.	27.8	132
3	Probabilistic early warning signals. <i>Ecology and Evolution</i> , 2021, 11, 14101-14114.	1.9	5
4	Submerged macrophytes affect the temporal variability of aquatic ecosystems. <i>Freshwater Biology</i> , 2021, 66, 421-435.	2.4	11
5	Foreseeing the future of mutualistic communities beyond collapse. <i>Ecology Letters</i> , 2020, 23, 2-15.	6.4	37
6	Nature's dynamical complexity. <i>Nature Ecology and Evolution</i> , 2020, 4, 12-13.	7.8	7
7	Estimating the risk of species interaction loss in mutualistic communities. <i>PLoS Biology</i> , 2020, 18, e3000843.	5.6	13
8	A method for classifying and comparing non-linear trajectories of ecological variables. <i>Ecological Indicators</i> , 2020, 112, 106113.	6.3	8
9	Advancing our understanding of ecological stability. <i>Ecology Letters</i> , 2019, 22, 1349-1356.	6.4	147
10	Regime shifts of Mediterranean forest carbon uptake and reduced resilience driven by multidecadal ocean surface temperatures. <i>Global Change Biology</i> , 2019, 25, 2825-2840.	9.5	22
11	Ecosystem tipping points in an evolving world. <i>Nature Ecology and Evolution</i> , 2019, 3, 355-362.	7.8	203
12	Unveiling dimensions of stability in complex ecological networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 25714-25720.	7.1	64
13	Climate models predict increasing temperature variability in poor countries. <i>Science Advances</i> , 2018, 4, eaar5809.	10.3	287
14	Slow Recovery from Local Disturbances as an Indicator for Loss of Ecosystem Resilience. <i>Ecosystems</i> , 2018, 21, 141-152.	3.4	58
15	Identifying best-indicator species for abrupt transitions in multispecies communities. <i>Ecological Indicators</i> , 2018, 94, 494-502.	6.3	38
16	Early-Warning Signals of Individual Tree Mortality Based on Annual Radial Growth. <i>Frontiers in Plant Science</i> , 2018, 9, 1964.	3.6	117
17	Elevated nonlinearity as an indicator of shifts in the dynamics of populations under stress. <i>Journal of the Royal Society Interface</i> , 2017, 14, 20160845.	3.4	33
18	Rising variance and abrupt shifts of subfossil chironomids due to eutrophication in a deep sub-alpine lake. <i>Aquatic Ecology</i> , 2017, 51, 307-319.	1.5	13

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19	Observed trends in the magnitude and persistence of monthly temperature variability. <i>Scientific Reports</i> , 2017, 7, 5940.	3.3	44
20	Measuring complexity to infer changes in the dynamics of ecological systems under stress. <i>Ecological Complexity</i> , 2017, 32, 144-155.	2.9	32
21	Slowing Down of Recovery as Generic Risk Marker for Acute Severity Transitions in Chronic Diseases. <i>Critical Care Medicine</i> , 2016, 44, 601-606.	0.9	73
22	Detecting the Collapse of Cooperation in Evolving Networks. <i>Scientific Reports</i> , 2016, 6, 30845.	3.3	15
23	Evaluating early-warning indicators of critical transitions in natural aquatic ecosystems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E8089-E8095.	7.1	101
24	Heteroskedasticity as a leading indicator of desertification in spatially explicit data. <i>Ecology and Evolution</i> , 2015, 5, 2185-2192.	1.9	5
25	Principle 2 “Manage connectivity.”, 2015, , 80-104.		21
26	Profit fluctuations signal eroding resilience of natural resources. <i>Ecological Economics</i> , 2015, 117, 12-21.	5.7	21
27	Hysteresis in an experimental phytoplankton population. <i>Oikos</i> , 2015, 124, 1617-1623.	2.7	13
28	Generic Indicators of Ecological Resilience: Inferring the Chance of a Critical Transition. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2015, 46, 145-167.	8.3	339
29	Resilience indicators: prospects and limitations for early warnings of regime shifts. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015, 370, 20130263.	4.0	349
30	A holistic view of marine regime shifts. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015, 370, 20130279.	4.0	131
31	Early Warning Signals of Ecological Transitions: Methods for Spatial Patterns. <i>PLoS ONE</i> , 2014, 9, e92097.	2.5	286
32	Critical slowing down as early warning for the onset of collapse in mutualistic communities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 17546-17551.	7.1	171
33	Flickering as an early warning signal. <i>Theoretical Ecology</i> , 2013, 6, 309-317.	1.0	81
34	Estimating the tolerance of species to the effects of global environmental change. <i>Nature Communications</i> , 2013, 4, 2350.	12.8	49
35	Early warning signals also precede non-catastrophic transitions. <i>Oikos</i> , 2013, 122, 641-648.	2.7	184
36	Living dangerously on borrowed time during slow, unrecognized regime shifts. <i>Trends in Ecology and Evolution</i> , 2013, 28, 149-155.	8.7	301

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37	Rapid succession of plant associations on the small ocean island of Mauritius at the onset of the Holocene. <i>Quaternary Science Reviews</i> , 2013, 68, 114-125.	3.0	33
38	Wang et al. reply. <i>Nature</i> , 2013, 498, E12-E13.	27.8	2
39	Robustness of variance and autocorrelation as indicators of critical slowing down. <i>Ecology</i> , 2012, 93, 264-271.	3.2	243
40	Detecting dynamical changes in nonlinear time series using locally linear state-space models. <i>Ecosphere</i> , 2012, 3, 1-15.	2.2	56
41	Flickering gives early warning signals of a critical transition to a eutrophic lake state. <i>Nature</i> , 2012, 492, 419-422.	27.8	440
42	Toward Principles for Enhancing the Resilience of Ecosystem Services. <i>Annual Review of Environment and Resources</i> , 2012, 37, 421-448.	13.4	844
43	Anticipating Critical Transitions. <i>Science</i> , 2012, 338, 344-348.	12.6	1,607
44	Does predator interference cause alternative stable states in multispecies communities?. <i>Theoretical Population Biology</i> , 2012, 82, 170-176.	1.1	1
45	Recovery rates reflect distance to a tipping point in a living system. <i>Nature</i> , 2012, 481, 357-359.	27.8	368
46	Early Detection of Ecosystem Regime Shifts: A Multiple Method Evaluation for Management Application. <i>PLoS ONE</i> , 2012, 7, e38410.	2.5	72
47	Methods for Detecting Early Warnings of Critical Transitions in Time Series Illustrated Using Simulated Ecological Data. <i>PLoS ONE</i> , 2012, 7, e41010.	2.5	638
48	Slowing Down in Spatially Patterned Ecosystems at the Brink of Collapse. <i>American Naturalist</i> , 2011, 177, E153-E166.	2.1	203
49	Resonance of Plankton Communities with Temperature Fluctuations. <i>American Naturalist</i> , 2011, 178, E85-E95.	2.1	42
50	Predicting microbial nitrogen pathways from basic principles. <i>Environmental Microbiology</i> , 2011, 13, 1477-1487.	3.8	43
51	Spatial correlation as leading indicator of catastrophic shifts. <i>Theoretical Ecology</i> , 2010, 3, 163-174.	1.0	255
52	EARLY WARNINGS FOR CATASTROPHIC SHIFTS IN ECOSYSTEMS: COMPARISON BETWEEN SPATIAL AND TEMPORAL INDICATORS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2010, 20, 315-321.	1.7	80
53	Interannual variability in species composition explained as seasonally entrained chaos. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 2871-2880.	2.6	81
54	Early-warning signals for critical transitions. <i>Nature</i> , 2009, 461, 53-59.	27.8	3,286

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55	Assessing the Ecological Integrity of a Major Transboundary Mediterranean River Based on Environmental Habitat Variables and Benthic Macroinvertebrates (Aosâ€Vjose River, Greeceâ€Albania). International Review of Hydrobiology, 2008, 93, 73-87.	0.9	16
56	Slowing down as an early warning signal for abrupt climate change. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 14308-14312.	7.1	724
57	Longitudinal impacts of anthropogenic pressures on benthic macroinvertebrate assemblages in a large transboundary Mediterranean river during the low flow period. Clean - Soil, Air, Water, 2006, 34, 453-463.	0.6	31