Aristides Moustakas

List of Publications by Year
in descending order

49 papers	1,202 citations	394421 19 h-index	395702 33 g-index
52 all docs	52 docs citations	52 times ranked	2106 citing authors

#	Article	IF	Citations
1	Tree effects on grass growth in savannas: competition, facilitation and the stressâ€gradient hypothesis. Journal of Ecology, 2013, 101, 202-209.	4.0	163
2	Predictive systems ecology. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20131452.	2.6	114
3	Patterns of beta diversity in Europe: the role of climate, land cover and distance across scales. Journal of Biogeography, 2012, 39, 1473-1486.	3.0	104
4	Facilitation or Competition? Tree Effects on Grass Biomass across a Precipitation Gradient. PLoS ONE, 2013, 8, e57025.	2.5	57
5	The rhythm of savanna patch dynamics. Journal of Ecology, 2007, 95, 1306-1315.	4.0	54
6	Multi-proxy evidence for competition between savanna woody species. Perspectives in Plant Ecology, Evolution and Systematics, 2008, 10, 63-72.	2.7	46
7	The biodiversity-wind energy-land use nexus in a global biodiversity hotspot. Science of the Total Environment, 2021, 768, 144471.	8.0	43
8	Big is not better: small Acacia mellifera shrubs are more vital after fire. African Journal of Ecology, 2005, 43, 131-136.	0.9	38
9	Uncertainty in Marine Invasion Science. Frontiers in Marine Science, 2018, 5, .	2.5	36
10	Spacing patterns of an Acacia tree in the Kalahari over a 61-year period: How clumped becomes regular and vice versa. Acta Oecologica, 2008, 33, 355-364.	1.1	35
11	SATCHMO: A spatial simulation model of growth, competition, and mortality in cycling savanna patches. Ecological Modelling, 2007, 209, 377-391.	2.5	31
12	Modelling the combined effects of land use and climatic changes: Coupling bioclimatic modelling with Markov-chain Cellular Automata in a case study in Cyprus. Ecological Informatics, 2015, 30, 241-249.	5.2	26
13	Are savannas patch-dynamic systems? A landscape model. Ecological Modelling, 2009, 220, 3576-3588.	2.5	25
14	Longâ€term mortality patterns of the deepâ€rooted Acacia erioloba : The middle class shall die!. Journal of Vegetation Science, 2006, 17, 473-480.	2.2	24
15	Spatio-temporal data mining in ecological and veterinary epidemiology. Stochastic Environmental Research and Risk Assessment, 2017, 31, 829-834.	4.0	24
16	Coupling models of cattle and farms with models of badgers for predicting the dynamics of bovine tuberculosis (TB). Stochastic Environmental Research and Risk Assessment, 2015, 29, 623-635.	4.0	23
17	A spatially explicit learning model of migratory fish and fishers for evaluating closed areas. Ecological Modelling, 2006, 192, 245-258.	2.5	21
18	Data availability and model complexity, generality, and utility: a reply to Lonergan. Trends in Ecology and Evolution, 2014, 29, 302-303.	8.7	21

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19	Long-term mortality patterns of the deep-rooted Acacia erioloba: The middle class shall die!. Journal of Vegetation Science, 2006, 17, 473.	2.2	21
20	Effects of growth rate, size, and light availability on tree survival across life stages: a demographic analysis accounting for missing values and small sample sizes. BMC Ecology, 2015, 15, 6.	3.0	20
21	Modified niche optima and breadths explain the historical contingency of bacterial community responses to eutrophication in coastal sediments. Molecular Ecology, 2017, 26, 2006-2018.	3.9	20
22	How Diverse is Aquatic Biodiversity Research?. Aquatic Ecology, 2005, 39, 367-375.	1.5	18
23	A comparison between data requirements and availability for calibrating predictive ecological models for lowland <scp>UK</scp> woodlands: learning new tricks from old trees. Ecology and Evolution, 2016, 6, 4812-4822.	1.9	18
24	Fire acting as an increasing spatial autocorrelation force: Implications for pattern formation and ecological facilitation. Ecological Complexity, 2015, 21, 142-149.	2.9	17
25	A big-data spatial, temporal and network analysis of bovine tuberculosis between wildlife (badgers) and cattle. Stochastic Environmental Research and Risk Assessment, 2017, 31, 315-328.	4.0	17
26	Sampling alien species inside and outside protected areas: Does it matter?. Science of the Total Environment, 2018, 625, 194-198.	8.0	17
27	Integrating Evolution into Ecological Modelling: Accommodating Phenotypic Changes in Agent Based Models. PLoS ONE, 2013, 8, e71125.	2.5	15
28	Plasticity in foraging behaviour as a possible response to climate change. Ecological Informatics, 2018, 47, 61-66.	5.2	14
29	Allometry and growth of eight tree taxa in United Kingdom woodlands. Scientific Data, 2015, 2, 150006.	5.3	13
30	The effect of fire on treeâ€“grass coexistence in savannas: a simulation study. International Journal of Wildland Fire, 2016, 25, 137.	2.4	13
31	Spatial and temporal effects on the efficacy of marine protected areas: implications from an individual based model. Stochastic Environmental Research and Risk Assessment, 2011, 25, 403-413.	4.0	12
32	Regional and temporal characteristics of bovine tuberculosis of cattle in Great Britain. Stochastic Environmental Research and Risk Assessment, 2016, 30, 989-1003.	4.0	12
33	A geographic analysis of the published aquatic biodiversity research in relation to the ecological footprint of the country where the work was done. Stochastic Environmental Research and Risk Assessment, 2009, 23, 737-748.	4.0	11
34	Evaluating Hypotheses of Plant Species Invasions on Mediterranean Islands: Inverse Patterns between Alien and Endemic Species. Frontiers in Ecology and Evolution, 2017, 5, .	2.2	10
35	Abrupt events and population synchrony in the dynamics of Bovine Tuberculosis. Nature Communications, 2018, 9, 2821.	12.8	10
36	Spatial Downscaling of Alien Species Presences Using Machine Learning. Frontiers in Earth Science, 2017, 5, .	1.8	9

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37	The impacts over time of marine protected areas: A null model. Ocean and Coastal Management, 2011, 54, 312-317.	4.4	8
38	Editorial: Data Mining and Methods for Early Detection, Horizon Scanning, Modelling, and Risk Assessment of Invasive Species. Frontiers in Applied Mathematics and Statistics, 2018, 4, .	1.3	8
39	Estimating tree abundance from remotely sensed imagery in semi-arid and arid environments: bringing small trees to the light. Stochastic Environmental Research and Risk Assessment, 2009, 23, 111-118.	4.0	7
40	Post-fire succession indices performance in a Mediterranean ecosystem. Stochastic Environmental Research and Risk Assessment, 2013, 27, 323-335.	4.0	4
41	Data-driven competitive facilitative tree interactions and their implications on nature-based solutions. Science of the Total Environment, 2019, 651, 2269-2280.	8.0	4
42	perspective: Learning new tricks from old trees: revisiting the savanna question. Frontiers of Biogeography, 2012, 2, .	1.8	3
43	Assessing the predictive causality of individual based models using Bayesian inference intervention analysis: an application in epidemiology. Stochastic Environmental Research and Risk Assessment, 2018, 32, 2861-2869.	4.0	3
44	A spatially explicit impact assessment of road characteristics, road-induced fragmentation and noise on birds species in Cyprus. Biodiversity, 2020, 21, 61-71.	1.1	3
45	Determining patch size. African Journal of Ecology, 2008, 46, 440-442.	0.9	2
46	Adapting foraging to habitat heterogeneity and climate change: an individual-based model for wading birds. Ethology Ecology and Evolution, 2012, 24, 209-229.	1.4	2
47	The effects of marine protected areas over time and species' dispersal potential: a quantitative conservation conflict attempt. Web Ecology, 2016, 16, 113-122.	1.6	2
48	Minimal effect of prescribed burning on fire spread rate and intensity in savanna ecosystems. Stochastic Environmental Research and Risk Assessment, 2021, 35, 849-860.	4.0	1
49	Geostatistical analysis of tree size distributions in the southern Kalahari obtained from remotely sensed data. Proceedings of SPIE, 2007, , .	0.8	0