Tomas Vaclavik

List of Publications by Year
in descending order

75	4,251	101496 36	114418 63
papers	citations	h-index	g-index

79	79	79	6754
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Global impacts of future cropland expansion and intensification on agricultural markets and biodiversity. Nature Communications, 2019, 10, 2844.	5.8	312
2	Towards systematic analyses of ecosystem service trade-offs and synergies: Main concepts, methods and the road ahead. Ecosystem Services, 2017, 28, 264-272.	2.3	306
3	Model development for the assessment of terrestrial and aquatic habitat quality in conservation planning. Science of the Total Environment, 2016, 540, 63-70.	3.9	265
4	Equilibrium or not? Modelling potential distribution of invasive species in different stages of invasion. Diversity and Distributions, 2012, 18, 73-83.	1.9	259
5	Invasive species distribution modeling (iSDM): Are absence data and dispersal constraints needed to predict actual distributions?. Ecological Modelling, 2009, 220, 3248-3258.	1.2	229
6	Landscape Epidemiology of Emerging Infectious Diseases in Natural and Human-Altered Ecosystems. Annual Review of Phytopathology, 2012, 50, 379-402.	3.5	199
7	Mapping global land system archetypes. Global Environmental Change, 2013, 23, 1637-1647.	3.6	160
8	gl<scp>UV</scp>: a global <scp>UV</scp>â€B radiation data set for macroecological studies. Methods in Ecology and Evolution, 2014, 5, 372-383.	2.2	148
9	Pervasive Rise of Small-scale Deforestation in Amazonia. Scientific Reports, 2018, 8, 1600.	1.6	127
10	Global malnutrition overlaps with pollinator-dependent micronutrient production. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20141799.	1.2	124
11	Priorities to Advance Monitoring of Ecosystem Services Using Earth Observation. Trends in Ecology and Evolution, 2017, 32, 416-428.	4.2	107
12	Accounting for multiâ€scale spatial autocorrelation improves performance of invasive species distribution modelling (iSDM). Journal of Biogeography, 2012, 39, 42-55.	1.4	88
13	Comparing two tools for ecosystem service assessments regarding water resources decisions. Journal of Environmental Management, 2016, 177, 331-340.	3.8	88
14	Integrating ecosystem service bundles and socio-environmental conditions â€“ A national scale analysis from Germany. Ecosystem Services, 2017, 28, 273-282.	2.3	88
15	Archetype analysis in sustainability research: meanings, motivations, and evidence-based policy making. Ecology and Society, 2019, 24, .	1.0	81
16	Using social media, machine learning and natural language processing to map multiple recreational beneficiaries. Ecosystem Services, 2019, 38, 100958.	2.3	78
17	Addressing future trade-offs between biodiversity and cropland expansion to improve food security. Regional Environmental Change, 2017, 17, 1429-1441.	1.4	74
18	Identifying Trends in Land Use/Land Cover Changes in the Context of Post-Socialist Transformation in Central Europe: A Case Study of the Greater Olomouc Region, Czech Republic. GIScience and Remote Sensing, 2009, 46, 54-76.	2.4	70

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19	Assessing ecosystem services for informing land-use decisions: a problem-oriented approach. Ecology and Society, 2015, 20, .	1.0	70
20	Protected Area management: Fusion and confusion with the ecosystem services approach. Science of the Total Environment, 2019, 651, 2432-2443.	3.9	69
21	Global patterns of agricultural landâ€use intensity and vertebrate diversity. Diversity and Distributions, 2015, 21, 1308-1318.	1.9	65
22	Landscape composition, configuration, and trophic interactions shape arthropod communities in rice agroecosystems. Journal of Applied Ecology, 2018, 55, 2461-2472.	1.9	62
23	Modelling species distributions with remote sensing data: bridging disciplinary perspectives. Journal of Biogeography, 2013, 40, 2226-2227.	1.4	61
24	Analysis of the uncertainty in the monetary valuation of ecosystem services â€" A case study at the river basin scale. Science of the Total Environment, 2016, 543, 683-690.	3.9	60
25	Predicting potential and actual distribution of sudden oak death in Oregon: Prioritizing landscape contexts for early detection and eradication of disease outbreaks. Forest Ecology and Management, 2010, 260, 1026-1035.	1.4	59
26	Predicting the economic costs and property value losses attributed to sudden oak death damage in California (2010â€"2020). Journal of Environmental Management, 2011, 92, 1292-1302.	3.8	52
27	Countryside Speciesâ€"Area Relationship as a Valid Alternative to the Matrixâ€Calibrated Speciesâ€"Area Model. Conservation Biology, 2014, 28, 874-876.	2.4	52
28	Tree demography dominates longâ€term growth trends inferred from tree rings. Global Change Biology, 2017, 23, 474-484.	4.2	49
29	Integration of satellite remote sensing data in ecosystem modelling at local scales: Practices and trends. Methods in Ecology and Evolution, 2018, 9, 1810-1821.	2.2	48
30	Accounting for geographical variation in speciesâ€"area relationships improves the prediction of plant species richness at the global scale. Journal of Biogeography, 2014, 41, 261-273.	1.4	45
31	When is connectivity important? A case study of the spatial pattern of sudden oak death. Oikos, 2010, 119, 485-493.	1.2	44
32	Otters vs. fishermen: Stakeholdersâ€™ perceptions of otter predation and damage compensation in the Czech Republic. Journal for Nature Conservation, 2011, 19, 95-102.	0.8	44
33	Upturn in secondary forest clearing buffers primary forest loss in the Brazilian Amazon. Nature Sustainability, 2020, 3, 290-295.	11.5	44
34	Archetype analysis in sustainability research: methodological portfolio and analytical frontiers. Ecology and Society, 2019, 24, .	1.0	43
35	Economic valuation of ecosystem goods and services: a review for decision makers. Journal of Environmental Economics and Policy, 2019, 8, 359-378.	1.5	42
36	Combined effects of climate and land-use change on the provision of ecosystem services in rice agro-ecosystems. Environmental Research Letters, 2018, 13, 015003.	2.2	38

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37	Assessing the capacity of local ecosystems to meet industrial demand for ecosystem services. AIChE Journal, 2016, 62, 3319-3333.	1.8	34
38	Investigating potential transferability of place-based research in land system science. Environmental Research Letters, 2016, 11, 095002.	2.2	33
39	Valuing the visual impact of wind farms: A calculus method for synthesizing choice experiments studies. Science of the Total Environment, 2018, 637-638, 58-68.	3.9	31
40	Regional-scale effects override the influence of fine-scale landscape heterogeneity on rice arthropod communities. Agriculture, Ecosystems and Environment, 2017, 246, 269-278.	2.5	29
41	Identifying Agricultural Frontiers for Modeling Global Cropland Expansion. One Earth, 2020, 3, 504-514.	3.6	29
42	Informing management of rare species with an approach combining scenario modeling and spatially explicit risk assessment. Ecosystem Health and Sustainability, 2015, 1, 1-18.	1.5	26
43	The effect of positional error on fine scale species distribution models increases for specialist species. Ecography, 2020, 43, 256-269.	2.1	22
44	Limited biomass recovery from gold mining in Amazonian forests. Journal of Applied Ecology, 2020, 57, 1730-1740.	1.9	22
45	Rice ecosystem services in South-east Asia. Paddy and Water Environment, 2018, 16, 211-224.	1.0	20
46	Predicted climate change will increase the truffle cultivation potential in central Europe. Scientific Reports, 2020, 10, 21281.	1.6	20
47	Rodent Host Abundance and Climate Variability as Predictors of Tickborne Disease Risk 1 Year in Advance. Emerging Infectious Diseases, 2019, 25, 1738-1741.	2.0	19
48	Open access solutions for biodiversity journals: Do not replace one problem with another. Diversity and Distributions, 2019, 25, 5-8.	1.9	19
49	Water Quality Is a Poor Predictor of Recreational Hotspots in England. PLoS ONE, 2016, 11, e0166950.	1.1	17
50	Effects of UV-B radiation on leaf hair traits of invasive plantsâ€"Combining historical herbarium records with novel remote sensing data. PLoS ONE, 2017, 12, e0175671.	1.1	16
51	A birdâ€™s eye view over ecosystem services in Natura 2000 sites across Europe. Ecosystem Services, 2018, 30, 287-298.	2.3	15
52	Soil carbon sequestration potential of planting hedgerows in agricultural landscapes. Journal of Environmental Management, 2022, 307, 114484.	3.8	14
53	The LEGATO cross-disciplinary integrated ecosystem service research framework: an example of integrating research results from the analysis of global change impacts and the social, cultural and economic system dynamics of irrigated rice production. Paddy and Water Environment, 2018, 16, 287-319.	1.0	11
54	Integrating ecosystem markets to co-ordinate landscape-scale public benefits from nature. PLoS ONE, 2022, 17, e0258334.	1.1	11

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55	Landscape heterogeneity filters functional traits of rice arthropods in tropical agroecosystems. Ecological Applications, 2022, 32, e2560.	1.8	10
56	Go with the flow: geospatial analytics to quantify hydrologic landscape connectivity for passively dispersed microorganisms. International Journal of Geographical Information Science, 2014, 28, 1626-1641.	2.2	9
57	Negative spatial covariation in abundance of two European ticks: diverging niche preferences or biotic interaction?. Ecological Entomology, 2018, 43, 804-812.	1.1	9
58	Role of Vegetation in Mitigating Air Emissions Across Industrial Sites in the US. ACS Sustainable Chemistry and Engineering, 2019, 7, 3783-3791.	3.2	9
59	Focus on cross-scale feedbacks in global sustainable land management. Environmental Research Letters, 2018, 13, 090402.	2.2	8
60	BESTMAP: behavioural, Ecological and Socio-economic Tools for Modelling Agricultural Policy. Research Ideas and Outcomes, 0, 6, .	1.0	8
61	Response of endangered bird species to land-use changes in an agricultural landscape in Germany. Regional Environmental Change, 2022, 22, 1.	1.4	8
62	The Art of Scientific Performance. Trends in Ecology and Evolution, 2018, 33, 805-809.	4.2	7
63	Identifying and Mapping Groups of Protected Area Visitors by Environmental Awareness. Land, 2021, 10, 560.	1.2	7
64	Habitat Use by Adult Red Wolves,Canis rufus, in an Agricultural Landscape, North Carolina, USA. Mammal Study, 2016, 41, 87-95.	0.2	5
65	Assessing landâ€use effects on European plant diversity using a biomeâ€specific countryside speciesâ€“area model. Diversity and Distributions, 2017, 23, 1193-1203.	1.9	5
66	Divergent Landowners' Expectations May Hinder the Uptake of a Forest Certificate Trading Scheme. Conservation Letters, 2018, 11, e12409.	2.8	4
67	Searching for Winâ€“Win Archetypes in the Foodâ€“Biodiversity Challenge: A Response to Fischer et al .. Trends in Ecology and Evolution, 2017, 32, 630-632.	4.2	3
68	Landscape epidemiology of neglected tickâ€borne pathogens in central Europe. Transboundary and Emerging Diseases, 2021, 68, 1685-1696.	1.3	3
69	Rice Ecosystem Services in South-East Asia: The LEGATO Project, Its Approaches and Main Results with a Focus on Biocontrol Services. , 2019, , 373-382.		2
70	Scale dependency of conservation outcomes in a forestâ€offsetting scheme. Conservation Biology, 2020, 34, 148-157.	2.4	2
71	Spatial Patterns of Ecosystem Service Bundles in Germany. , 2019, , 279-283.		2
72	Understanding the accuracy of modelled changes in freshwater provision over time. Science of the Total Environment, 2022, , 155042.	3.9	2

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73	Mapping Land System Archetypes to Understand Drivers of Ecosystem Service Risks. , 2019, , 69-75.		1
74	Understanding the Intensity of Land-Use and Land-Cover Changes in the Context of Postcolonial and Socialist Transformation in Kaesong, North Korea. Land, 2022, 11, 357.	1.2	1
75	A response to â€˜Trends in tropical tree growth: reanalysis confirms earlier findingsâ€™. Global Change Biology, 2017, 23, e5-e6.	4.2	0