Kurt H Riitters

List of Publications by Year
in descending order

73 papers	5,349 citations	109264 35 h-index	88593 70 g-index
75 all docs	75 docs citations	75 times ranked	4848 citing authors

#	Article	IF	Citations
1	Mapping Spatial Patterns with Morphological Image Processing. Landscape Ecology, 2007, 22, 171-177.	1.9	449
2	Conterminous United States land cover change patterns 2001â€"2016 from the 2016 National Land Cover Database. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 162, 184-199.	4.9	391
3	Title is missing!. Landscape Ecology, 2001, 16, 301-312.	1.9	306
4	Fragmentation of Continental United States Forests. Ecosystems, 2002, 5, 815-822.	1.6	302
5	Global-Scale Patterns of Forest Fragmentation. Ecology and Society, 2000, 4, .	0.9	261
6	Monitoring Environmental Quality at the Landscape Scale. BioScience, 1997, 47, 513-519.	2.2	241
7	How far to the nearest road?. Frontiers in Ecology and the Environment, 2003, 1, 125-129.	1.9	197
8	A national assessment of green infrastructure and change for the conterminous United States using morphological image processing. Landscape and Urban Planning, 2010, 94, 186-195.	3.4	186
9	GuidosToolbox: universal digital image object analysis. European Journal of Remote Sensing, 2017, 50, 352-361.	1.7	183
10	Mapping functional connectivity. Ecological Indicators, 2009, 9, 64-71.	2.6	179
11	A multi-scale analysis of landscape statistics. Landscape Ecology, 1997, 12, 199-212.	1.9	165
12	Distribution and Causes of Global Forest Fragmentation. Ecology and Society, 2003, 7, .	0.9	163
13	Mapping landscape corridors. Ecological Indicators, 2007, 7, 481-488.	2.6	155
14	Fuzzy Decision Analysis for Integrated Environmental Vulnerability Assessment of the Mid-Atlantic Region 1. Environmental Management, 2002, 29, 845-859.	1.2	135
15	Topographic controls on the regional-scale biodiversity of the south-western USA. Journal of Biogeography, 2004, 31, 1125-1138.	1.4	117
16	A note on contagion indices for landscape analysis. Landscape Ecology, 1996, 11, 197-202.	1.9	110
17	The effect of Appalachian mountaintop mining on interior forest. Landscape Ecology, 2007, 22, 179-187.	1.9	105
18	A global evaluation of forest interior area dynamics using tree cover data from 2000 to 2012. Landscape Ecology, 2016, 31, 137-148.	1.9	91

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19	Impact of scale on morphological spatial pattern of forest. Landscape Ecology, 2008, 23, 1107-1117.	1.9	82
20	Fragmentation of forest communities in the eastern United States. Forest Ecology and Management, 2012, 263, 85-93.	1.4	70
21	Landscape correlates of forest plant invasions: A high€resolution analysis across the eastern United States. Diversity and Distributions, 2018, 24, 274-284.	1.9	68
22	Decline of forest interior conditions in the conterminous United States. Scientific Reports, 2012, 2, 653.	1.6	67
23	An indicator of forest dynamics using a shifting landscape mosaic. Ecological Indicators, 2009, 9, 107-117.	2.6	58
24	Geographic Analysis of Forest Health Indicators Using Spatial Scan Statistics. Environmental Management, 2003, 31, 764-773.	1.2	54
25	Neutral model analysis of landscape patterns from mathematical morphology. Landscape Ecology, 2007, 22, 1033-1043.	1.9	50
26	NATIONAL LAND-COVER PATTERN DATA. Ecology, 2000, 81, 604-604.	1.5	48
27	GEOGRAPHIC TARGETING OF INCREASES IN NUTRIENT EXPORT DUE TO FUTURE URBANIZATION. , 2002, 12, 93-106.		48
28	Evaluating the Relative Roles of Ecological Regions and Land-cover Composition for Guiding Establishment of Nutrient Criteria. Landscape Ecology, 2005, 20, 791-798.	1.9	46
29	Patterns of disturbance at multiple scales in real and simulated landscapes. Landscape Ecology, 2007, 22, 705-721.	1.9	44
30	Hot Spots of Perforated Forest in the Eastern United States. Environmental Management, 2005, 35, 483-492.	1.2	43
31	Exposure of Protected and Unprotected Forest to Plant Invasions in the Eastern United States. Forests, 2018, 9, 723.	0.9	43
32	Landscape patterns from mathematical morphology on maps with contagion. Landscape Ecology, 2009, 24, 699-709.	1.9	42
33	A Preliminary Assessment of Montréal Process Indicators of Forest Fragmentation for the United States. Environmental Monitoring and Assessment, 2004, 91, 257-276.	1.3	41
34	An environmental assessment of United States drinking water watersheds. Landscape Ecology, 2011, 26, 605-616.	1.9	41
35	A Subcontinental Analysis of Forest Fragmentation Effects on Insect and Disease Invasion. Forests, 2018, 9, 744.	0.9	40
36	Pattern metrics for a transdisciplinary landscape ecology. Landscape Ecology, 2019, 34, 2057-2063.	1.9	39

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37	The landscape context of family forests in the United States: Anthropogenic interfaces and forest fragmentation from 2001 to 2011. Landscape and Urban Planning, 2019, 188, 64-71.	3.4	39
38	Transitions in forest fragmentation: implications for restoration opportunities at regional scales. Landscape Ecology, 1999, 14, 137-145.	1.9	38
39	LAND COVER AS A FRAMEWORK FOR ASSESSING RISK OF WATER POLLUTION. Journal of the American Water Resources Association, 2000, 36, 1417-1422.	1.0	35
40	The Consequences of Landscape Change on Ecological Resources: An Assessment of the United States Midâ€Atlantic Region, 1973â€1993. EcoHealth, 2001, 7, 229-242.	0.2	35
41	Comparison of cropland and forest surface temperatures across the conterminous United States. Agricultural and Forest Meteorology, 2012, 166-167, 137-143.	1.9	35
42	Interpreting multiscale domains of tree cover disturbance patterns in North America. Ecological Indicators, 2017, 80, 147-152.	2.6	32
43	Describing and analyzing landscape patterns: where are we now, and where are we going?. Landscape Ecology, 2019, 34, 2049-2055.	1.9	32
44	Use of Road Maps in National Assessments of Forest Fragmentation in the United States. Ecology and Society, 2004, 9, .	1.0	30
45	Detecting Temporal Change in Watershed Nutrient Yields. Environmental Management, 2008, 42, 223-231.	1.2	28
46	Detecting changes in riparian habitat conditions based on patterns of greenness change: A case study from the Upper San Pedro River Basin, USA. Ecological Indicators, 2008, 8, 89-99.	2.6	28
47	Upstream-to-downstream changes in nutrient export risk. Landscape Ecology, 2003, 18, 193-206.	1.9	26
48	Empirical analysis of the influence of forest extent on annual and seasonal surface temperatures for the continental <scp>U</scp>nited <scp>S</scp>tates. Global Ecology and Biogeography, 2013, 22, 620-629.	2.7	26
49	Landscape Correlates of Breeding Bird Richness Across the United States Mid-Atlantic Region. Environmental Monitoring and Assessment, 2000, 63, 159-174.	1.3	24
50	Downscaling indicators of forest habitat structure from national assessments. Ecological Indicators, 2005, 5, 273-279.	2.6	24
51	Temporal change in fragmentation of continental US forests. Landscape Ecology, 2008, 23, 891.	1.9	24
52	A multi-scale method of mapping urban influence. Environmental Modelling and Software, 2009, 24, 1252-1256.	1.9	23
53	Preserving biodiversity under current and future climates: a case study. Global Ecology and Biogeography, 2005, 14, 31-38.	2.7	17
54	Evaluating anthropogenic risk of grassland and forest habitat degradation using land-cover data. Landscape Online, 0, 13, 1-14.	0.0	15

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55	Landscape 'Contagion' in Raster and Vector Environments. International Journal of Geographical Information Science, 1996, 10, 891-899.	2.2	14
56	True versus perturbed forest inventory plot locations for modeling: a simulation study. Canadian Journal of Forest Research, 2006, 36, 801-807.	0.8	13
57	Evaluating Ecoregions for Sampling and Mapping Land-cover Patterns. Photogrammetric Engineering and Remote Sensing, 2006, 72, 781-788.	0.3	12
58	An inventory of continental U.S. terrestrial candidate ecological restoration areas based on landscape context. Restoration Ecology, 2017, 25, 894-902.	1.4	11
59	Effects of terrestrial transport corridors and associated landscape context on invasion by forest plants. Biological Invasions, 2020, 22, 3051-3066.	1.2	11
60	A Preliminary Assessment of the Montréal Process Indicators of Air Pollution for the United States. Environmental Monitoring and Assessment, 2004, 95, 57-74.	1.3	10
61	Forest Area Change in the Shifting Landscape Mosaic of the Continental United States from 2001 to 2016. Land, 2020, 9, 417.	1.2	9
62	An assessment of the sustainability of family forests in the U.S.A.. Forest Policy and Economics, 2022, 142, 102783.	1.5	9
63	Assessing land clearing potential in the Canadian agriculture–forestry interface with a multi-attribute frontier approach. Ecological Indicators, 2015, 54, 71-81.	2.6	7
64	The United States' Implementation of the Montréal Process Indicator of Forest Fragmentation. Forests, 2021, 12, 727.	0.9	7
65	Global survey of anthropogenic neighborhood threats to conservation of grass-shrub and forest vegetation. Journal of Environmental Management, 2012, 97, 116-121.	3.8	6
66	GuidosToolbox Workbench: spatial analysis of raster maps for ecological applications. Ecography, 2022, 2022, .	2.1	6
67	Determining the size of a complete disturbance landscape: multi-scale, continental analysis of forest change. Environmental Monitoring and Assessment, 2017, 189, 642.	1.3	5
68	Using a hybrid demand-allocation algorithm to enable distributional analysis of land use change patterns. PLoS ONE, 2020, 15, e0240097.	1.1	4
69	A National Multi-Scale Assessment of Regeneration Deficit as an Indicator of Potential Risk of Forest Genetic Variation Loss. Forests, 2022, 13, 19.	0.9	4
70	Forest Monitoring Methods in the United States and Canada. Developments in Environmental Science, 2013, 12, 49-73.	0.5	3
71	Cross-Boundary Sustainability: Assessment across Forest Ownership Categories in the Conterminous USA Using the Montréal Process Criteria and Indicators Framework. Forests, 2022, 13, 992.	0.9	3
72	Creativity abhors prescription. Landscape Ecology, 2011, 26, 1359-1359.	1.9	1

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73	Impacts of Nonnative Species on the Health of Natural and Planted Forests. Forests, 2019, 10, 366.	0.9	1