

Jane Southworth

List of Publications by Year in descending order

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Version: 2024-02-01

98
papers

4,187
citations

126708

33
h-index

123241

61
g-index

101
all docs

101
docs citations

101
times ranked

5215
citing authors

#	ARTICLE	IF	CITATIONS
1	An Exploratory Framework for the Empirical Measurement of Resilience. <i>Ecosystems</i> , 2005, 8, 975-987.	1.6	410
2	Remotely sensed spectral heterogeneity as a proxy of species diversity: Recent advances and open challenges. <i>Ecological Informatics</i> , 2010, 5, 318-329.	2.3	284
3	Climate change impacts on soil erosion in Midwest United States with changes in crop management. <i>Catena</i> , 2005, 61, 165-184.	2.2	191
4	Consequences of future climate change and changing climate variability on maize yields in the midwestern United States. <i>Agriculture, Ecosystems and Environment</i> , 2000, 82, 139-158.	2.5	166
5	Title is missing!. <i>Landscape Ecology</i> , 2003, 18, 141-158.	1.9	155
6	Land cover change and landscape fragmentation—comparing the utility of continuous and discrete analyses for a western Honduras region. <i>Agriculture, Ecosystems and Environment</i> , 2004, 101, 185-205.	2.5	149
7	The Influence of Accessibility, Local Institutions, and Socioeconomic Factors on Forest Cover Change in the Mountains of Western Honduras. <i>Mountain Research and Development</i> , 2001, 21, 276-283.	0.4	107
8	Fragmentation of a Landscape: Incorporating landscape metrics into satellite analyses of land-cover change. <i>Landscape Research</i> , 2002, 27, 253-269.	0.7	107
9	Roads as Drivers of Change: Trajectories across the Tri-National Frontier in MAP, the Southwestern Amazon. <i>Remote Sensing</i> , 2011, 3, 1047-1066.	1.8	107
10	Simulating Forest Cover Changes of Bannerghatta National Park Based on a CA-Markov Model: A Remote Sensing Approach. <i>Remote Sensing</i> , 2012, 4, 3215-3243.	1.8	97
11	Rohingya Refugee Crisis and Forest Cover Change in Teknaf, Bangladesh. <i>Remote Sensing</i> , 2018, 10, 689.	1.8	91
12	Tourism, forest conversion, and land transformations in the Angkor basin, Cambodia. <i>Applied Geography</i> , 2009, 29, 212-223.	1.7	83
13	Dwindling resources and fragmentation of landscapes around parks: wetlands and forest patches around Kibale National Park, Uganda. <i>Landscape Ecology</i> , 2009, 24, 643-656.	1.9	82
14	The dynamics of land-cover change in western Honduras: exploring spatial and temporal complexity. <i>Agricultural Economics (United Kingdom)</i> , 2002, 27, 355-369.	2.0	78
15	Fractally deforested landscape: Pattern and process in a tri-national Amazon frontier. <i>Applied Geography</i> , 2014, 52, 204-211.	1.7	75
16	Evaluation of conservation interventions using a cellular automata-Markov model. <i>Forest Ecology and Management</i> , 2010, 260, 1716-1725.	1.4	58
17	Forest transition pathways in Asia—studies from Nepal, India, Thailand, and Cambodia. <i>Journal of Land Use Science</i> , 2012, 7, 51-65.	1.0	56
18	Disentangling the Relationships between Net Primary Production and Precipitation in Southern Africa Savannas Using Satellite Observations from 1982 to 2010. <i>Remote Sensing</i> , 2013, 5, 3803-3825.	1.8	55

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19	Trans-boundary infrastructure and land cover change: Highway paving and community-level deforestation in a tri-national frontier in the Amazon. <i>Land Use Policy</i> , 2013, 34, 27-41.	2.5	54
20	Introduction to the special issue: Are parks working? Exploring human–environment tradeoffs in protected area conservation. <i>Applied Geography</i> , 2006, 26, 87-95.	1.7	52
21	Analyzing Land Cover Change and Urban Growth Trajectories of the Mega-Urban Region of Dhaka Using Remotely Sensed Data and an Ensemble Classifier. <i>Sustainability</i> , 2018, 10, 10.	1.6	52
22	The human landscape around the Island Park: impacts and responses to Kibale National Park. , 2008, , 129-144.		49
23	Combined Spatial and Temporal Effects of Environmental Controls on Long-Term Monthly NDVI in the Southern Africa Savanna. <i>Remote Sensing</i> , 2013, 5, 6513-6538.	1.8	49
24	Assessing the impact of Celaque National Park on forest fragmentation in western Honduras. <i>Applied Geography</i> , 2004, 24, 303-322.	1.7	45
25	Monitoring Parks Through Remote Sensing: Studies in Nepal and Honduras. <i>Environmental Management</i> , 2004, 34, 748-760.	1.2	44
26	Title is missing!. <i>Climatic Change</i> , 2002, 53, 447-475.	1.7	43
27	Beyond Precipitation: Physiographic Gradients Dictate the Relative Importance of Environmental Drivers on Savanna Vegetation. <i>PLoS ONE</i> , 2013, 8, e72348.	1.1	43
28	Using Remote Sensing to Quantify Vegetation Change and Ecological Resilience in a Semi-Arid System. <i>Land</i> , 2013, 2, 108-130.	1.2	42
29	Remote Sensing-Based Fractal Analysis and Scale Dependence Associated with Forest Fragmentation in an Amazon Tri–National Frontier. <i>Remote Sensing</i> , 2013, 5, 454-472.	1.8	42
30	Monitoring landscape fragmentation in an inaccessible mountain area: Celaque National Park, Western Honduras. <i>Landscape and Urban Planning</i> , 2007, 83, 154-167.	3.4	40
31	Application of multi-scale spatial and spectral analysis for predicting primate occurrence and habitat associations in Kibale National Park, Uganda. <i>Remote Sensing of Environment</i> , 2008, 112, 2170-2186.	4.6	40
32	Application of Object Based Classification and High Resolution Satellite Imagery for Savanna Ecosystem Analysis. <i>Remote Sensing</i> , 2010, 2, 2748-2772.	1.8	38
33	Wetland conservation: Change and fragmentation in Trinidad’s protected areas. <i>Geoforum</i> , 2009, 40, 91-104.	1.4	33
34	Time Series Analysis of Land Cover Change: Developing Statistical Tools to Determine Significance of Land Cover Changes in Persistence Analyses. <i>Remote Sensing</i> , 2014, 6, 4473-4497.	1.8	33
35	Landscapes as continuous entities: forest disturbance and recovery in the Albertine Rift landscape. <i>Landscape Ecology</i> , 2011, 26, 877-890.	1.9	30
36	A new difference image creation method based on deep neural networks for change detection in remote-sensing images. <i>International Journal of Remote Sensing</i> , 2017, 38, 7161-7175.	1.3	30

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37	Responses by households to resource scarcity and human-wildlife conflict: Issues of fortress conservation and the surrounding agricultural landscape. <i>Journal for Nature Conservation</i> , 2011, 19, 79-86.	0.8	28
38	Linking vegetation response to seasonal precipitation in the Okavango-Kwando-Zambezi catchment of southern Africa. <i>International Journal of Remote Sensing</i> , 2012, 33, 6783-6804.	1.3	28
39	Spatial complexity in fragmenting Amazonian rainforests: Do feedbacks from edge effects push forests towards an ecological threshold?. <i>Ecological Complexity</i> , 2012, 11, 67-74.	1.4	26
40	A Quantitative Framework for Analyzing Spatial Dynamics of Flood Events: A Case Study of Super Cyclone Amphan. <i>Remote Sensing</i> , 2020, 12, 3454.	1.8	25
41	An integrated GIS and modeling approach for assessing the transient response of forests of the southern Great Lakes region to a doubled CO2 climate. <i>Forest Ecology and Management</i> , 2002, 155, 237-255.	1.4	24
42	Milpa imprint on the tropical dry forest landscape in Yucatan, Mexico: Remote sensing & field measurement of edge vegetation. <i>Agriculture, Ecosystems and Environment</i> , 2008, 123, 293-304.	2.5	24
43	Parks, People and Pixels: Evaluating Landscape Effects of an East African National Park on its Surroundings. <i>Tropical Conservation Science</i> , 2010, 3, 122-142.	0.6	23
44	Protection vs. commercial management: Spatial and temporal analysis of land cover changes in the tropical forests of Central India. <i>Forest Ecology and Management</i> , 2010, 259, 1009-1017.	1.4	23
45	Changes in vegetation persistence across global savanna landscapes, 1982-2010. <i>Journal of Land Use Science</i> , 2016, 11, 7-32.	1.0	23
46	Population pressure and global markets drive a decade of forest cover change in Africa's Albertine Rift. <i>Applied Geography</i> , 2017, 81, 52-59.	1.7	23
47	Linking Spatial and Temporal Variation at Multiple Scales in a Heterogeneous Landscape— <i>Professional Geographer</i> , 2006, 58, 406-420.	1.0	22
48	Social and ecological factors and land-use land-cover diversity in two provinces in southeast Asia. <i>Journal of Land Use Science</i> , 2010, 5, 277-306.	1.0	21
49	Utilization of the SAVANNA model to analyze future patterns of vegetation cover in Kruger National Park under changing climate. <i>Ecological Modelling</i> , 2016, 342, 147-160.	1.2	20
50	Influence of El Niño-Southern oscillation (ENSO) on agroclimatic zoning for tomato in Mozambique. <i>Agricultural and Forest Meteorology</i> , 2018, 248, 316-328.	1.9	20
51	Local Perception of Risk to Livelihoods in the Semi-Arid Landscape of Southern Africa. <i>Land</i> , 2013, 2, 225-251.	1.2	19
52	Household level influences on fragmentation in an African park landscape. <i>Applied Geography</i> , 2015, 58, 18-31.	1.7	19
53	Accessibility, Demography and Protection: Drivers of Forest Stability and Change at Multiple Scales in the Cauvery Basin, India. <i>Remote Sensing</i> , 2010, 2, 306-332.	1.8	18
54	Dynamics of the relationship between NDVI and SWIR32 vegetation indices in southern Africa: implications for retrieval of fractional cover from MODIS data. <i>International Journal of Remote Sensing</i> , 2016, 37, 1476-1503.	1.3	18

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55	Understanding forest loss and recovery: a spatiotemporal analysis of land change in and around Bannerghatta National Park, India. <i>Journal of Land Use Science</i> , 2015, 10, 402-424.	1.0	17
56	Predicting shifts in large herbivore distributions under climate change and management using a spatially-explicit ecosystem model. <i>Ecological Modelling</i> , 2017, 352, 1-18.	1.2	17
57	Indicating structural connectivity in Amazonian rainforests from 1986 to 2010 using morphological image processing analysis. <i>International Journal of Remote Sensing</i> , 2013, 34, 5187-5200.	1.3	16
58	Climate variability as a dominant driver of post-disturbance savanna dynamics. <i>Applied Geography</i> , 2014, 53, 389-401.	1.7	16
59	Effects of road infrastructure on forest value across a tri-national Amazonian frontier. <i>Biological Conservation</i> , 2015, 191, 674-681.	1.9	16
60	A Healthy Park Needs Healthy Vegetation: The Story of Gorongosa National Park in the 21st Century. <i>Remote Sensing</i> , 2020, 12, 476.	1.8	15
61	The role of private lands for conservation: Land cover change analysis in the Caldenal savanna ecosystem, Argentina. <i>Applied Geography</i> , 2012, 34, 281-288.	1.7	14
62	Trade-offs among forest value components in community forests of southwestern Amazonia. <i>Ecology and Society</i> , 2014, 19, .	1.0	14
63	Utilizing Multiple Lines of Evidence to Determine Landscape Degradation within Protected Area Landscapes: A Case Study of Chobe National Park, Botswana from 1982 to 2011. <i>Remote Sensing</i> , 2016, 8, 623.	1.8	14
64	Understanding Long-Term Savanna Vegetation Persistence across Three Drainage Basins in Southern Africa. <i>Remote Sensing</i> , 2018, 10, 1013.	1.8	14
65	Spatial persistence and temporal patterns in vegetation cover across Florida, 1982-2006. <i>Physical Geography</i> , 2014, 35, 151-180.	0.6	12
66	Vegetation Dynamics and Climatological Drivers in Ethiopia at the Turn of the Century. <i>Remote Sensing</i> , 2021, 13, 3267.	1.8	12
67	Beyond classifications: Combining continuous and discrete approaches to better understand land-cover change within the lower Mekong River region. <i>Applied Geography</i> , 2013, 39, 26-45.	1.7	11
68	Digital Remote Sensing within the Field of Land Change Science: Past, Present and Future Directions. <i>Geography Compass</i> , 2010, 4, 1695-1712.	1.5	10
69	Understanding Land Cover Change in a Fragmented Forest Landscape in a Biodiversity Hotspot of Coastal Ecuador. <i>Remote Sensing</i> , 2018, 10, 1980.	1.8	10
70	Mapping Time-Space Brickfield Development Dynamics in Peri-Urban Area of Dhaka, Bangladesh. <i>ISPRS International Journal of Geo-Information</i> , 2019, 8, 447.	1.4	10
71	An Evaluation of Vegetation Health in and around Southern African National Parks during the 21st Century (2000-2016). <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2366.	1.3	10
72	Operational Large-Area Land-Cover Mapping: An Ethiopia Case Study. <i>Remote Sensing</i> , 2020, 12, 954.	1.8	10

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73	Demonstrating correspondence between decision-support models and dynamics of real-world environmental systems. <i>Environmental Modelling and Software</i> , 2016, 83, 74-87.	1.9	9
74	Integrating Dendrochronology, Climate and Satellite Remote Sensing to Better Understand Savanna Landscape Dynamics in the Okavango Delta, Botswana. <i>Land</i> , 2013, 2, 637-655.	1.2	8
75	Integrating Surface-Based Temperature and Vegetation Abundance Estimates into Land Cover Classifications for Conservation Efforts in Savanna Landscapes. <i>Sensors</i> , 2019, 19, 3456.	2.1	7
76	Anthropogenic change in savannas and associated forest biomes. <i>Journal of Land Use Science</i> , 2016, 11, 1-6.	1.0	6
77	A spatiotemporal natural-human database to evaluate road development impacts in an Amazon trinational frontier. <i>Scientific Data</i> , 2019, 6, 93.	2.4	6
78	Specialty Grand Challenge: Remote Sensing Time Series Analysis. <i>Frontiers in Remote Sensing</i> , 2021, 2, .	1.3	6
79	Mapping multi-scale impacts of deforestation in the Amazonian rainforest from 1986 to 2010. <i>Journal of Land Use Science</i> , 2015, 10, 174-190.	1.0	5
80	Does population increase equate to conservation success? Forest fragmentation and conservation of the black howler monkey. <i>Conservation and Society</i> , 2011, 9, 216.	0.4	5
81	Mapping fractality during the process of deforestation in an Amazon tri-national frontier. <i>Remote Sensing Letters</i> , 2013, 4, 589-598.	0.6	4
82	Comparison of the driving forces of spring phenology among savanna landscapes by including combined spatial and temporal heterogeneity. <i>International Journal of Biometeorology</i> , 2015, 59, 1373-1384.	1.3	4
83	Using a coupled dynamic factor " random forest analysis (DFRFA) to reveal drivers of spatiotemporal heterogeneity in the semi-arid regions of southern Africa. <i>PLoS ONE</i> , 2018, 13, e0208400.	1.1	4
84	Reforestation: Challenges and Themes in Reforestation Research. <i>Landscape Series</i> , 2009, , 1-14.	0.1	4
85	Spatiotemporal changes in vegetation greenness across continental Ecuador: a Pacific-Andean-Amazonian gradient, 1982"2010. <i>Journal of Land Use Science</i> , 2021, 16, 18-33.	1.0	4
86	Retrospective analysis of landscape dynamics using normalized spectral entropy. <i>Remote Sensing Letters</i> , 2013, 4, 1049-1056.	0.6	3
87	The Monitoring of Land-Cover Change and Management across Gradient Landscapes in Africa. , 2013, , 165-209.		3
88	Elephants respond to resource trade-offs in an aseasonal system through daily and annual variability in resource selection. <i>Koedoe</i> , 2017, 59, .	0.3	3
89	The Effects of Selective Logging Behaviors on Forest Fragmentation and Recovery. <i>International Journal of Forestry Research</i> , 2012, 2012, 1-10.	0.2	2
90	Parks as a Mechanism to Maintain and Facilitate Recovery of Forest Cover: Examining Reforestation, Forest Maintenance and Productivity in Uganda. <i>Landscape Series</i> , 2009, , 275-296.	0.1	2

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91	Crop Modeling Results Under Climate Change for the Upper Midwest USA. , 2002, , 127-157.		2
92	Scientists and Stakeholders, Data and Diagnostics: Crossing Boundaries for Modeling the Impacts of Highway Paving in a Tri-national Frontier in the Amazon. , 2019, , 327-359.		2
93	Peopled Parks: Forest Change in India's Protected Landscapes. , 2013, , 113-139.		1
94	Protected Areas, Climate Change, and Ecosystem Sustainability. , 2018, , 202-219.		1
95	Special Issue on Dynamics of the Global Savanna and Grasslands Biomes. Applied Sciences (Switzerland), 2020, 10, 8043.	1.3	1
96	Reforestation: Conclusions and Implications. Landscape Series, 2009, , 357-367.	0.1	1
97	Editorial introduction: women in land science. Journal of Land Use Science, 2022, 17, 1-11.	1.0	1
98	Forest Degradation and Fragmentation within Celaque National Park, Honduras. , 2004, , 305-310.		0