Bertram Ostendorf

List of Publications by Year
in descending order

88 papers	2,590 citations	201385 27 h-index	205818 48 g-index
90 all docs	90 docs citations	90 times ranked	3279 citing authors

#	Article	IF	Citations
1	Buffel grass (Cenchrus ciliaris) as an invader and threat to biodiversity in arid environments: A review. Journal of Arid Environments, 2012, 78, 1-12.	1.2	194
2	Visible near-infrared reflectance spectroscopy as a predictive indicator of soil properties. Ecological Indicators, 2011, 11, 123-131.	2.6	167
3	Site-based and remote sensing methods for monitoring indicators of vegetation condition: An Australian review. Ecological Indicators, 2016, 60, 1273-1283.	2.6	163
4	A review of methods for analysing spatial and temporal patterns in coastal water quality. Ecological Indicators, 2011, 11, 103-114.	2.6	145
5	Sensitivity of tropical forests to climate change in the humid tropics of north Queensland. Austral Ecology, 2001, 26, 590-603.	0.7	115
6	The utility of artificial neural networks for modelling the distribution of vegetation in past, present and future climates. Ecological Modelling, 2001, 146, 311-327.	1.2	96
7	Current Understanding of the Effects of Congestion on Traffic Accidents. International Journal of Environmental Research and Public Health, 2019, 16, 3400.	1.2	76
8	The effect of terrain and management on the spatial variability of soil properties in an apple orchard. Catena, 2012, 93, 38-48.	2.2	68
9	Systematic landscape restoration in the rural–urban fringe: meeting conservation planning and policy goals. Biodiversity and Conservation, 2007, 16, 3781-3802.	1.2	66
10	A model of arctic tundra vegetation derived from topographic gradients. Landscape Ecology, 1998, 13, 187-201.	1.9	65
11	An introduction to patterns of fire in arid and semi-arid Australia, 1998 - 2004. Rangeland Journal, 2008, 30, 95.	0.4	63
12	A high resolution broad scale spatial indicator of grain growing profitability for natural resource planning. Ecological Indicators, 2011, 11, 209-218.	2.6	60
13	GIS-based modelling of spatial pattern of snow cover duration in an alpine area. Ecological Modelling, 2001, 138, 265-275.	1.2	51
14	The effect of climate change on tropical rainforest vegetation pattern. Ecological Modelling, 2001, 145, 211-224.	1.2	42
15	CropPhenology: An R package for extracting crop phenology from time series remotely sensed vegetation index imagery. Ecological Informatics, 2018, 46, 45-56.	2.3	40
16	Relationships between a terrain-based hydrologic model and patch-scale vegetation patterns in an arctic tundra landscape. Landscape Ecology, 1993, 8, 229-237.	1.9	39
17	Overview: Spatial information and indicators for sustainable management of natural resources. Ecological Indicators, 2011, 11, 97-102.	2.6	38
18	Performance of Excess Heat Factor Severity as a Global Heatwave Health Impact Index. International Journal of Environmental Research and Public Health, 2018, 15, 2494.	1.2	38

#	ARTICLE	IF	CITATIONS
19	Evaluation of vegetation indices for assessing vegetation cover in southern arid lands in South Australia. Rangeland Journal, 2007, 29, 39.	0.4	37
20	Self-organization and complex dynamics of regenerating vegetation in an arid ecosystem: 82 years of recovery after grazing. Journal of Arid Environments, 2013, 88, 156-164.	1.2	36
21	Phenologic metrics derived from MODIS NDVI as indicators for Plant Available Water-holding Capacity. Ecological Indicators, 2016, 60, 1263-1272.	2.6	33
22	Relationship Between Traffic Volume and Accident Frequency at Intersections. International Journal of Environmental Research and Public Health, 2020, 17, 1393.	1.2	33
23	Forest Cover Changes in Lao Tropical Forests: Physical and Socio-Economic Factors are the Most Important Drivers. Land, 2017, 6, 23.	1.2	31
24	Spatial indicators of fire risk in the arid and semi-arid zone of Australia. Ecological Indicators, 2011, 11, 149-167.	2.6	30
25	CREDOS: A Conservation Reserve Evaluation And Design Optimisation System. Environmental Modelling and Software, 2007, 22, 449-463.	1.9	29
26	Using GIS to evaluate the impact of exclusion zones on the connection cost of wave energy to the electricity grid. Energy Policy, 2007, 35, 4516-4528.	4.2	28
27	Historical changes in the distribution of hairy-nosed wombats (Lasiorhinus spp.): a review. Australian Mammalogy, 2017, 39, 1.	0.7	28
28	Evaluation and comparison of hyperspectral imagery for mapping surface symptoms of dryland salinity. International Journal of Remote Sensing, 2009, 30, 693-719.	1.3	27
29	An image-based diversity index for assessing land degradation in an arid environment in South Australia. Journal of Arid Environments, 2008, 72, 1282-1293.	1.2	25
30	Development of a spatial Decision Support System (DSS) for the Spencer Gulf penaeid prawn fishery, South Australia. Environmental Modelling and Software, 2007, 22, 137-148.	1.9	23
31	Testing the Temporal Ability of Landsat Imagery and Precision Agriculture Technology to Provide High Resolution Historical Estimates of Wheat Yield at the Farm Scale. Remote Sensing, 2013, 5, 1549-1567.	1.8	23
32	Modeling the Influence of Hydrological Processes on Spatial and Temporal Patterns of CO_2 Soil Efflux from an Arctic Tundra Catchment. Arctic and Alpine Research, 1996, 28, 318.	1.3	22
33	MODIS EVI and LST Temporal Response for Discrimination of Tropical Land Covers. Remote Sensing, 2015, 7, 6026-6040.	1.8	22
34	Spatio-temporal analysis of the impact of climate, cropping intensity and means of irrigation: an assessment on rice yield determinants in Bangladesh. Agriculture and Food Security, 2016, 5, .	1.6	20
35	Landscape Patterns of Carbon Dioxide Exchange in Tundra Ecosystems. Ecological Studies, 1996, , 223-256.	0.4	19
36	Using satellite imagery to assess the distribution and abundance of southern hairy-nosed wombats (Lasiorhinus latifrons). Remote Sensing of Environment, 2018, 211, 196-203.	4.6	18

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37	Plant Viral Disease Detection: From Molecular Diagnosis to Optical Sensing Technology—A Multidisciplinary Review. Remote Sensing, 2022, 14, 1542.	1.8	18
38	The Significance of Social Perceptions in Implementing Successful Feral Cat Management Strategies: A Global Review. Animals, 2019, 9, 617.	1.0	17
39	Seasonal modelling of catchment water balance: A two-levle cascading modification of TOPMODEL to increase the realism of spatio-temporal processes. Hydrological Processes, 1997, 11, 1231-1242.	1.1	16
40	Stormwater quality improvement potential of an urbanised catchment using water sensitive retrofits into public parks. Urban Forestry and Urban Greening, 2014, 13, 315-324.	2.3	16
41	Identifying the spatial and temporal variability of economic opportunity costs to promote the adoption of alternative land uses in grain growing agricultural areas: An Australian example. Journal of Environmental Management, 2015, 155, 123-135.	3.8	16
42	Islands as refuges for threatened species: multispecies translocation and evidence of species interactions four decades on. Australian Mammalogy, 2016, 38, 204.	0.7	15
43	Additive partitioning of rarefaction curves: Removing the influence of sampling on species-diversity in vegetation surveys. Ecological Indicators, 2011, 11, 132-139.	2.6	14
44	Interspecies co-use of southern hairy-nosed wombat (Lasiorhinus latifrons) burrows. Australian Mammalogy, 2017, 39, 205.	0.7	14
45	Bridging the gap between data and decisions: A review of process-based models for viticulture. Agricultural Systems, 2021, 193, 103209.	3.2	14
46	Non-detection errors in a survey of persistent, highly-detectable vegetation species. Environmental Monitoring and Assessment, 2012, 184, 625-635.	1.3	13
47	Modelling long-term risk profiles of wheat grain yield with limited climate data. Agricultural Systems, 2019, 173, 393-402.	3.2	13
48	Estimation of Grapevine Crop Coefficient Using a Multispectral Camera on an Unmanned Aerial Vehicle. Remote Sensing, 2021, 13, 2639.	1.8	13
49	Ground penetrating radar as a non-invasive tool to better understand the population dynamics of a fossorial species: mapping the warrens of southern hairy-nosed wombats (Lasiorhinus latifrons). Wildlife Research, 2015, 42, 678.	0.7	11
50	Environmental zonation across the Australian arid region based on long-term vegetation dynamics. Journal of Arid Environments, 2011, 75, 576-585.	1.2	10
51	Evaluating MODIS soil fractional cover for arid regions, using albedo from high-spatial resolution satellite imagery. International Journal of Remote Sensing, 2014, 35, 2028-2046.	1.3	10
52	A remote sensing spatio-temporal framework for interpreting sparse indicators in highly variable arid landscapes. Ecological Indicators, 2016, 60, 1284-1297.	2.6	10
53	Spatial distribution of diuron sorption affinity as affected by soil, terrain and management practices in an intensively managed apple orchard. Journal of Hazardous Materials, 2012, 217-218, 398-405.	6.5	9
54	Scale-dependent habitat analysis and implications for climate change risk for the southern hairy-nosed wombat. Australian Mammalogy, 2018, 40, 162.	0.7	9

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55	Environmental Factors Influencing Hairy€Nosed Wombat Abundance in Semi€Arid Rangelands. Journal of Wildlife Management, 2020, 84, 921-929.	0.7	9
56	Mapping the spatio-temporal variability of hillslope erosion with the G2 model and GIS: A case-study of the South Australian agricultural zone. Geoderma, 2021, 402, 115350.	2.3	9
57	Hydrological Controls on Ecosystem Gas Exchange in an Arctic Landscape. Ecological Studies, 1996, , 369-386.	0.4	8
58	Remote Sensing Derived Phenological Metrics to Assess the Spatio-Temporal Growth Variability in Cropping Fields. Advances in Remote Sensing, 2017, 06, 212-228.	0.2	8
59	Multi€scale habitat selection by a cryptic, critically endangered grassland bird€"The Plains€wanderer (<i>Pedionomus torquatus</i>): Implications for habitat management and conservation. Austral Ecology, 2022, 47, 698-712.	0.7	8
60	Patch and Landscape Models of Arctic Tundra: Potentials and Limitations. Ecological Studies, 1996, , 293-324.	0.4	7
61	Relative spatial differences in sediment transport in fire-affected agricultural landscapes: A field study. Aeolian Research, 2019, 39, 13-22.	1.1	6
62	The behavioral responses of a nocturnal burrowing marsupial (<i>Lasiorhinus latifrons</i>) to drone flight. Ecology and Evolution, 2021, 11, 12173-12181.	0.8	6
63	Southern hairy-nosed wombats (Lasiorhinus latifrons) in the Gawler Ranges region of South Australia: population growth from 1988 to 2016. Australian Mammalogy, 2019, 41, 112.	0.7	6
64	Cross-fence comparisons: Theory for spatially comprehensive, controlled variable assessment of treatment effects in managed landscapes. Ecological Informatics, 2011, 6, 170-176.	2.3	5
65	Rangeland Condition Monitoring: A New Approach Using Cross-Fence Comparisons of Remotely Sensed Vegetation. PLoS ONE, 2015, 10, e0142742.	1.1	5
66	Understanding Phytoplankton Variability Throughout Spencer Gulf, South Australia, via Satellite Derived Chlorophyll-A. , 2008, , .		4
67	Modelling of Fluxes in a Spruce Forest Catchment of the Fichtelgebirge. Ecological Studies, 2001, , 417-462.	0.4	4
68	A framework for the mitigation and adaptation from heat-related risks to infrastructure. Sustainable Cities and Society, 2022, 81, 103820.	5.1	4
69	A Comparison between Video and Still Imagery as a Methodology to Determine Southern Hairy-Nosed Wombat (Lasiorhinus latifrons) Burrow Occupancy Rates. Animals, 2018, 8, 186.	1.0	3
70	Verification of moist surface variables over northern Australia in a high-resolution reanalysis (BARRA). Journal of Southern Hemisphere Earth Systems Science, 2021, 71, 194.	0.7	3
71	The population status of southern hairy-nosed wombats (Lasiorhinus latifrons). II. Landscape factors affecting distribution and abundance. Australian Mammalogy, 2021, 43, 54.	0.7	3
72	The significance of landholder gender and previous knowledge of control methods for effective feral cat (Felis catus) management in south-eastern Australia. Environmental Sociology, 2021, 7, 239-253.	1.7	3

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73	Road-Related Disturbances in an Arctic Watershed: Analyses by a Spatially Explicit Model of Vegetation and Ecosystem Processes. Ecological Studies, 1996, , 387-415.	0.4	3
74	Monitoring expansion of plantations in Lao tropical forests using Landsat time series. Proceedings of SPIE, 2014, , .	0.8	2
75	Simple scaling of climate inputs allows robust extrapolation of modelled wheat yield risk at a continental scale. Climate Risk Management, 2019, 23, 101-113.	1.6	2
76	Translocation is not a viable conflict-resolution tool for a large fossorial mammal, Lasiorhinus latifrons. Wildlife Research, 2021, 48, 7.	0.7	2
77	The population status of southern hairy-nosed wombats (Lasiorhinus latifrons). I. Distribution and abundance. Australian Mammalogy, 2021, 43, 40.	0.7	2
78	Evaluation of olfactory and visual cues to deter southern hairy-nosed wombats (Lasiorhinus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 T	0.7	2
79	Non-invasive exploration of underground wombat tunnels. SPIE Newsroom, 0, , .	0.1	2
80	A method for simulating risk profiles of wheat yield in data-sparse conditions. Journal of Agricultural Science, 2020, 158, 833-844.	0.6	2
81	A comparison of NOAAâ€"AVHRR fire data with three Landsat data sets in arid and semi-arid Australia. International Journal of Remote Sensing, 2012, 33, 2657-2682.	1.3	1
82	The Suitability of Airborne Hyperspectral Imagery for Mapping Surface Indicators of Salinity in Dryland Farming Areas. , 2008, , .		1
83	Applying the Global Disturbance Index for Detecting Vegetation Changes in Lao Tropical Forests. Advances in Remote Sensing, 2015, 04, 73-82.	0.2	1
84	Monitoring temporal Vegetation changes in Lao tropical forests. IOP Conference Series: Earth and Environmental Science, 2014, 20, 012054.	0.2	0
85	Reflecting on siliceous rocks in central Australia: Using advanced remote sensing to map ancient â€œtoolâ€stoneâ€resources. Geoarchaeology - an International Journal, 2020, 35, 400-415.	0.7	0
86	Using satellite imagery to evaluate precontact Aboriginal foraging habitats in the Australian Western Desert. Scientific Reports, 2021, 11, 10755.	1.6	0
87	A search fails to find any evidence for the continuing presence of southern hairy-nosed wombats (Lasiorhinus latifrons) in south-western New South Wales. Australian Mammalogy, 2020, 42, 244.	0.7	0
88	The Influence of Land Use and Location on Landholder Attitudes Towards Feral Cat (Felis catus) Management in South-eastern Australia. Human Ecology, 2021, 49, 843-857.	0.7	0