

Bertram Ostendorf

List of Publications by Year in descending order

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Version: 2024-02-01

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	Multi-scale habitat selection by a cryptic, critically endangered grassland bird – The Plains Wanderer (<i>Pedionomus torquatus</i>): Implications for habitat management and conservation. <i>Austral Ecology</i> , 2022, 47, 698-712.	0.7	8
2	Plant Viral Disease Detection: From Molecular Diagnosis to Optical Sensing Technology – A Multidisciplinary Review. <i>Remote Sensing</i> , 2022, 14, 1542.	1.8	18
3	A framework for the mitigation and adaptation from heat-related risks to infrastructure. <i>Sustainable Cities and Society</i> , 2022, 81, 103820.	5.1	4
4	Translocation is not a viable conflict-resolution tool for a large fossorial mammal, <i>Lasiorhinus latifrons</i> . <i>Wildlife Research</i> , 2021, 48, 7.	0.7	2
5	The population status of southern hairy-nosed wombats (<i>Lasiorhinus latifrons</i>). I. Distribution and abundance. <i>Australian Mammalogy</i> , 2021, 43, 40.	0.7	2
6	Evaluation of olfactory and visual cues to deter southern hairy-nosed wombats (<i>Lasiorhinus latifrons</i>). <i>Wildlife Research</i> , 2021, 48, 7.	0.7	2
7	Verification of moist surface variables over northern Australia in a high-resolution reanalysis (BARRA). <i>Journal of Southern Hemisphere Earth Systems Science</i> , 2021, 71, 194.	0.7	3
8	The population status of southern hairy-nosed wombats (<i>Lasiorhinus latifrons</i>). II. Landscape factors affecting distribution and abundance. <i>Australian Mammalogy</i> , 2021, 43, 54.	0.7	3
9	Using satellite imagery to evaluate precontact Aboriginal foraging habitats in the Australian Western Desert. <i>Scientific Reports</i> , 2021, 11, 10755.	1.6	0
10	Estimation of Grapevine Crop Coefficient Using a Multispectral Camera on an Unmanned Aerial Vehicle. <i>Remote Sensing</i> , 2021, 13, 2639.	1.8	13
11	The behavioral responses of a nocturnal burrowing marsupial (<i>Lasiorhinus latifrons</i>) to drone flight. <i>Ecology and Evolution</i> , 2021, 11, 12173-12181.	0.8	6
12	Bridging the gap between data and decisions: A review of process-based models for viticulture. <i>Agricultural Systems</i> , 2021, 193, 103209.	3.2	14
13	Mapping the spatio-temporal variability of hillslope erosion with the G2 model and GIS: A case-study of the South Australian agricultural zone. <i>Geoderma</i> , 2021, 402, 115350.	2.3	9
14	The significance of landholder gender and previous knowledge of control methods for effective feral cat (<i>Felis catus</i>) management in south-eastern Australia. <i>Environmental Sociology</i> , 2021, 7, 239-253.	1.7	3
15	The Influence of Land Use and Location on Landholder Attitudes Towards Feral Cat (<i>Felis catus</i>) Management in South-eastern Australia. <i>Human Ecology</i> , 2021, 49, 843-857.	0.7	0
16	Reflecting on siliceous rocks in central Australia: Using advanced remote sensing to map ancient stone resources. <i>Geoarchaeology - an International Journal</i> , 2020, 35, 400-415.	0.7	0
17	Environmental Factors Influencing Hairy-nosed Wombat Abundance in Semi-arid Rangelands. <i>Journal of Wildlife Management</i> , 2020, 84, 921-929.	0.7	9
18	Relationship Between Traffic Volume and Accident Frequency at Intersections. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 1393.	1.2	33

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19	A method for simulating risk profiles of wheat yield in data-sparse conditions. <i>Journal of Agricultural Science</i> , 2020, 158, 833-844.	0.6	2
20	A search fails to find any evidence for the continuing presence of southern hairy-nosed wombats (<i>Lasiorhinus latifrons</i>) in south-western New South Wales. <i>Australian Mammalogy</i> , 2020, 42, 244.	0.7	0
21	Current Understanding of the Effects of Congestion on Traffic Accidents. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 3400.	1.2	76
22	The Significance of Social Perceptions in Implementing Successful Feral Cat Management Strategies: A Global Review. <i>Animals</i> , 2019, 9, 617.	1.0	17
23	Relative spatial differences in sediment transport in fire-affected agricultural landscapes: A field study. <i>Aeolian Research</i> , 2019, 39, 13-22.	1.1	6
24	Modelling long-term risk profiles of wheat grain yield with limited climate data. <i>Agricultural Systems</i> , 2019, 173, 393-402.	3.2	13
25	Simple scaling of climate inputs allows robust extrapolation of modelled wheat yield risk at a continental scale. <i>Climate Risk Management</i> , 2019, 23, 101-113.	1.6	2
26	Southern hairy-nosed wombats (<i>Lasiorhinus latifrons</i>) in the Gawler Ranges region of South Australia: population growth from 1988 to 2016. <i>Australian Mammalogy</i> , 2019, 41, 112.	0.7	6
27	A Comparison between Video and Still Imagery as a Methodology to Determine Southern Hairy-Nosed Wombat (<i>Lasiorhinus latifrons</i>) Burrow Occupancy Rates. <i>Animals</i> , 2018, 8, 186.	1.0	3
28	Performance of Excess Heat Factor Severity as a Global Heatwave Health Impact Index. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 2494.	1.2	38
29	Scale-dependent habitat analysis and implications for climate change risk for the southern hairy-nosed wombat. <i>Australian Mammalogy</i> , 2018, 40, 162.	0.7	9
30	CropPhenology: An R package for extracting crop phenology from time series remotely sensed vegetation index imagery. <i>Ecological Informatics</i> , 2018, 46, 45-56.	2.3	40
31	Using satellite imagery to assess the distribution and abundance of southern hairy-nosed wombats (<i>Lasiorhinus latifrons</i>). <i>Remote Sensing of Environment</i> , 2018, 211, 196-203.	4.6	18
32	Historical changes in the distribution of hairy-nosed wombats (<i>Lasiorhinus</i> spp.): a review. <i>Australian Mammalogy</i> , 2017, 39, 1.	0.7	28
33	Interspecies co-use of southern hairy-nosed wombat (<i>Lasiorhinus latifrons</i>) burrows. <i>Australian Mammalogy</i> , 2017, 39, 205.	0.7	14
34	Forest Cover Changes in Lao Tropical Forests: Physical and Socio-Economic Factors are the Most Important Drivers. <i>Land</i> , 2017, 6, 23.	1.2	31
35	Remote Sensing Derived Phenological Metrics to Assess the Spatio-Temporal Growth Variability in Cropping Fields. <i>Advances in Remote Sensing</i> , 2017, 06, 212-228.	0.2	8
36	Islands as refuges for threatened species: multispecies translocation and evidence of species interactions four decades on. <i>Australian Mammalogy</i> , 2016, 38, 204.	0.7	15

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37	Phenologic metrics derived from MODIS NDVI as indicators for Plant Available Water-holding Capacity. <i>Ecological Indicators</i> , 2016, 60, 1263-1272.	2.6	33
38	Spatio-temporal analysis of the impact of climate, cropping intensity and means of irrigation: an assessment on rice yield determinants in Bangladesh. <i>Agriculture and Food Security</i> , 2016, 5, .	1.6	20
39	Site-based and remote sensing methods for monitoring indicators of vegetation condition: An Australian review. <i>Ecological Indicators</i> , 2016, 60, 1273-1283.	2.6	163
40	A remote sensing spatio-temporal framework for interpreting sparse indicators in highly variable arid landscapes. <i>Ecological Indicators</i> , 2016, 60, 1284-1297.	2.6	10
41	MODIS EVI and LST Temporal Response for Discrimination of Tropical Land Covers. <i>Remote Sensing</i> , 2015, 7, 6026-6040.	1.8	22
42	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 (<i>Lasiorhinus latifrons</i>). <i>Wildlife Research</i> , 2015, 42, 678.	0.7	11
43	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. <i>Journal of Environmental Management</i> , 2015, 155, 123-135.	3.8	16
44	Rangeland Condition Monitoring: A New Approach Using Cross-Fence Comparisons of Remotely Sensed Vegetation. <i>PLoS ONE</i> , 2015, 10, e0142742.	1.1	5
45	Applying the Global Disturbance Index for Detecting Vegetation Changes in Lao Tropical Forests. <i>Advances in Remote Sensing</i> , 2015, 04, 73-82.	0.2	1
46	Monitoring expansion of plantations in Lao tropical forests using Landsat time series. <i>Proceedings of SPIE</i> , 2014, , .	0.8	2
47	Evaluating MODIS soil fractional cover for arid regions, using albedo from high-spatial resolution satellite imagery. <i>International Journal of Remote Sensing</i> , 2014, 35, 2028-2046.	1.3	10
48	Stormwater quality improvement potential of an urbanised catchment using water sensitive retrofits into public parks. <i>Urban Forestry and Urban Greening</i> , 2014, 13, 315-324.	2.3	16
49	Monitoring temporal Vegetation changes in Lao tropical forests. <i>IOP Conference Series: Earth and Environmental Science</i> , 2014, 20, 012054.	0.2	0
50	Self-organization and complex dynamics of regenerating vegetation in an arid ecosystem: 82 years of recovery after grazing. <i>Journal of Arid Environments</i> , 2013, 88, 156-164.	1.2	36
51	Testing the Temporal Ability of Landsat Imagery and Precision Agriculture Technology to Provide High Resolution Historical Estimates of Wheat Yield at the Farm Scale. <i>Remote Sensing</i> , 2013, 5, 1549-1567.	1.8	23
52	A comparison of NOAA's AVHRR fire data with three Landsat data sets in arid and semi-arid Australia. <i>International Journal of Remote Sensing</i> , 2012, 33, 2657-2682.	1.3	1
53	Buffel grass (<i>Cenchrus ciliaris</i>) as an invader and threat to biodiversity in arid environments: A review. <i>Journal of Arid Environments</i> , 2012, 78, 1-12.	1.2	194
54	The effect of terrain and management on the spatial variability of soil properties in an apple orchard. <i>Catena</i> , 2012, 93, 38-48.	2.2	68

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55	Spatial distribution of diuron sorption affinity as affected by soil, terrain and management practices in an intensively managed apple orchard. <i>Journal of Hazardous Materials</i> , 2012, 217-218, 398-405.	6.5	9
56	Non-detection errors in a survey of persistent, highly-detectable vegetation species. <i>Environmental Monitoring and Assessment</i> , 2012, 184, 625-635.	1.3	13
57	Cross-fence comparisons: Theory for spatially comprehensive, controlled variable assessment of treatment effects in managed landscapes. <i>Ecological Informatics</i> , 2011, 6, 170-176.	2.3	5
58	Visible near-infrared reflectance spectroscopy as a predictive indicator of soil properties. <i>Ecological Indicators</i> , 2011, 11, 123-131.	2.6	167
59	Spatial indicators of fire risk in the arid and semi-arid zone of Australia. <i>Ecological Indicators</i> , 2011, 11, 149-167.	2.6	30
60	A review of methods for analysing spatial and temporal patterns in coastal water quality. <i>Ecological Indicators</i> , 2011, 11, 103-114.	2.6	145
61	Additive partitioning of rarefaction curves: Removing the influence of sampling on species-diversity in vegetation surveys. <i>Ecological Indicators</i> , 2011, 11, 132-139.	2.6	14
62	A high resolution broad scale spatial indicator of grain growing profitability for natural resource planning. <i>Ecological Indicators</i> , 2011, 11, 209-218.	2.6	60
63	Overview: Spatial information and indicators for sustainable management of natural resources. <i>Ecological Indicators</i> , 2011, 11, 97-102.	2.6	38
64	Environmental zonation across the Australian arid region based on long-term vegetation dynamics. <i>Journal of Arid Environments</i> , 2011, 75, 576-585.	1.2	10
65	Evaluation and comparison of hyperspectral imagery for mapping surface symptoms of dryland salinity. <i>International Journal of Remote Sensing</i> , 2009, 30, 693-719.	1.3	27
66	An image-based diversity index for assessing land degradation in an arid environment in South Australia. <i>Journal of Arid Environments</i> , 2008, 72, 1282-1293.	1.2	25
67	Understanding Phytoplankton Variability Throughout Spencer Gulf, South Australia, via Satellite Derived Chlorophyll-A. , 2008, , .		4
68	An introduction to patterns of fire in arid and semi-arid Australia, 1998 - 2004. <i>Rangeland Journal</i> , 2008, 30, 95.	0.4	63
69	The Suitability of Airborne Hyperspectral Imagery for Mapping Surface Indicators of Salinity in Dryland Farming Areas. , 2008, , .		1
70	Evaluation of vegetation indices for assessing vegetation cover in southern arid lands in South Australia. <i>Rangeland Journal</i> , 2007, 29, 39.	0.4	37
71	Development of a spatial Decision Support System (DSS) for the Spencer Gulf penaeid prawn fishery, South Australia. <i>Environmental Modelling and Software</i> , 2007, 22, 137-148.	1.9	23
72	Using GIS to evaluate the impact of exclusion zones on the connection cost of wave energy to the electricity grid. <i>Energy Policy</i> , 2007, 35, 4516-4528.	4.2	28

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73	CREDOS: A Conservation Reserve Evaluation And Design Optimisation System. Environmental Modelling and Software, 2007, 22, 449-463.	1.9	29
74	Systematic landscape restoration in the ruralâ€“urban fringe: meeting conservation planning and policy goals. Biodiversity and Conservation, 2007, 16, 3781-3802.	1.2	66
75	GIS-based modelling of spatial pattern of snow cover duration in an alpine area. Ecological Modelling, 2001, 138, 265-275.	1.2	51
76	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
77	The effect of climate change on tropical rainforest vegetation pattern. Ecological Modelling, 2001, 145, 211-224.	1.2	42
78	Sensitivity of tropical forests to climate change in the humid tropics of north Queensland. Austral Ecology, 2001, 26, 590-603.	0.7	115
79	Modelling of Fluxes in a Spruce Forest Catchment of the Fichtelgebirge. Ecological Studies, 2001, , 417-462.	0.4	4
80	A model of arctic tundra vegetation derived from topographic gradients. Landscape Ecology, 1998, 13, 187-201.	1.9	65
81	Seasonal modelling of catchment water balance: A two-level cascading modification of TOPMODEL to increase the realism of spatio-temporal processes. Hydrological Processes, 1997, 11, 1231-1242.	1.1	16
82	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
83	Landscape Patterns of Carbon Dioxide Exchange in Tundra Ecosystems. Ecological Studies, 1996, , 223-256.	0.4	19
84	Patch and Landscape Models of Arctic Tundra: Potentials and Limitations. Ecological Studies, 1996, , 293-324.	0.4	7
85	Hydrological Controls on Ecosystem Gas Exchange in an Arctic Landscape. Ecological Studies, 1996, , 369-386.	0.4	8
86	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
87	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
88	Non-invasive exploration of underground wombat tunnels. SPIE Newsroom, 0, , .	0.1	2