

Andrew D Thomas

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

2,317
citations

218677

26
h-index

302126

39
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49
all docs

49
docs citations

49
times ranked

3165
citing authors

#	ARTICLE	IF	CITATIONS
1	Soil biocrusts affect metabolic response to hydration on dunes in west Queensland, Australia. <i>Geoderma</i> , 2022, 405, 115464.	5.1	8
2	Effects of vegetation on bacterial communities, carbon and nitrogen in dryland soil surfaces: implications for shrub encroachment in the southwest Kalahari. <i>Science of the Total Environment</i> , 2021, 764, 142847.	8.0	15
3	Larger floods reduce soil CO ₂ efflux during the post-flooding phase in seasonally-flooded forests of Western Amazonia. <i>Pedosphere</i> , 2021, 31, 342-352.	4.0	4
4	Cyanobacterial community composition and their functional shifts associated with biocrust succession in the Gurbantunggut Desert. <i>Environmental Microbiology Reports</i> , 2021, 13, 884-898.	2.4	8
5	SoilTemp: A global database of near-surface temperature. <i>Global Change Biology</i> , 2020, 26, 6616-6629.	9.5	122
6	Small-Scale Spatial Heterogeneity of Photosynthetic Fluorescence Associated with Biological Soil Crust Succession in the Tengger Desert, China. <i>Microbial Ecology</i> , 2019, 78, 936-948.	2.8	8
7	Biotic and Abiotic Drivers of Topsoil Organic Carbon Concentration in Drylands Have Similar Effects at Regional and Global Scales. <i>Ecosystems</i> , 2019, 22, 1445-1456.	3.4	18
8	Surface Stability in Drylands Is Influenced by Dispersal Strategy of Soil Bacteria. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 3403-3418.	3.0	16
9	The influence of trees, shrubs, and grasses on microclimate, soil carbon, nitrogen, and CO ₂ efflux: Potential implications of shrub encroachment for Kalahari rangelands. <i>Land Degradation and Development</i> , 2018, 29, 1306-1316.	3.9	43
10	Temperature and aridity regulate spatial variability of soil multifunctionality in drylands across the globe. <i>Ecology</i> , 2018, 99, 1184-1193.	3.2	42
11	Soil fungal abundance and plant functional traits drive fertile island formation in global drylands. <i>Journal of Ecology</i> , 2018, 106, 242-253.	4.0	123
12	An assessment of the effects of forest reserve management on the livelihoods of forest fringe communities in the Atwima Mponua District of Ghana. <i>Forests Trees and Livelihoods</i> , 2018, 27, 158-174.	1.2	12
13	Greenhouse gas emissions from natural ecosystems and agricultural lands in sub-Saharan Africa: synthesis of available data and suggestions for further research. <i>Biogeosciences</i> , 2016, 13, 4789-4809.	3.3	75
14	Environmental correlates of species rank-abundance distributions in global drylands. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2016, 20, 56-64.	2.7	31
15	Pastoralism and Kalahari rangeland soils.. , 2015, , 122-132.		1
16	Land-use change impacts on soil processes in tropical and savannah ecosystems: emerging themes and future research directions.. , 2015, , 176-181.		2
17	Land-use change impacts on soil processes in tropical and savannah ecosystems: an introduction.. , 2015, , 1-7.		0
18	Niche partitioning of bacterial communities in biological crusts and soils under grasses, shrubs and trees in the Kalahari. <i>Biodiversity and Conservation</i> , 2014, 23, 1709-1733.	2.6	47

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19	Seasonal differences in soil CO ₂ efflux and carbon storage in Ntwetwe Pan, Makgadikgadi Basin, Botswana. <i>Geoderma</i> , 2014, 219-220, 72-81.	5.1	30
20	Laboratory analysis of the effects of elevated atmospheric carbon dioxide on respiration in biological soil crusts. <i>Journal of Arid Environments</i> , 2013, 98, 52-59.	2.4	18
21	Combining analytical frameworks to assess livelihood vulnerability to climate change and analyse adaptation options. <i>Ecological Economics</i> , 2013, 94, 66-77.	5.7	179
22	Impact of grazing intensity on seasonal variations in soil organic carbon and soil CO ₂ efflux in two semiarid grasslands in southern Botswana. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2012, 367, 3076-3086.	4.0	83
23	AEOLIAN PROCESSES AND THE BIOSPHERE. <i>Reviews of Geophysics</i> , 2011, 49, .	23.0	230
24	Soil respiration at five sites along the Kalahari Transect: Effects of temperature, precipitation pulses and biological soil crust cover. <i>Geoderma</i> , 2011, 167-168, 284-294.	5.1	69
25	Extracellular polysaccharides from cyanobacterial soil crusts: A review of their role in dryland soil processes. <i>Journal of Arid Environments</i> , 2011, 75, 91-97.	2.4	265
26	Assessment of physical and hydrological properties of biological soil crusts using X-ray microtomography and modeling. <i>Journal of Hydrology</i> , 2011, 397, 47-54.	5.4	64
27	Carbon dioxide fluxes from biologically-cruste Kalahari Sands after simulated wetting. <i>Journal of Arid Environments</i> , 2010, 74, 131-139.	2.4	56
28	The Design and Development of a Closed Chamber for the <i>in situ</i> Quantification of Dryland Soil Carbon Dioxide Fluxes. <i>Geographical Research</i> , 2009, 47, 71-82.	1.8	10
29	The implications for dust emission modeling of spatial and vertical variations in horizontal dust flux and particle size in the Bodai Depression, Northern Chad. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	35
30	Carbon dioxide fluxes from cyanobacteria crusted soils in the Kalahari. <i>Applied Soil Ecology</i> , 2008, 39, 254-263.	4.3	76
31	Institutional Bias and the Degree Class System. <i>Journal of Geography in Higher Education</i> , 2007, 31, 285-297.	2.6	1
32	Spatial and temporal distribution of cyanobacterial soil crusts in the Kalahari: Implications for soil surface properties. <i>Geomorphology</i> , 2007, 85, 17-29.	2.6	96
33	Microbial Communities in Long-Term Heavy Metal Contaminated Ombrotrophic Peats. <i>Water, Air, and Soil Pollution</i> , 2007, 186, 97-113.	2.4	28
34	Distribution and characteristics of cyanobacterial soil crusts in the Molopo Basin, South Africa. <i>Journal of Arid Environments</i> , 2006, 64, 270-283.	2.4	58
35	Sediment Stratigraphy and Heavy Metal Fluxes to Reservoirs in the Southern Pennine Uplands, UK. <i>Journal of Paleolimnology</i> , 2006, 35, 305-322.	1.6	40
36	Cyanobacterial soil crusts and woody shrub canopies in Kalahari rangelands. <i>African Journal of Ecology</i> , 2005, 43, 137-145.	0.9	46

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37	The use of reservoir sediments as environmental archives of catchment inputs and atmospheric pollution. <i>Progress in Physical Geography</i> , 2005, 29, 337-361.	3.2	77
38	Kalahari sand soils: spatial heterogeneity, biological soil crusts and land degradation. <i>Land Degradation and Development</i> , 2004, 15, 233-242.	3.9	74
39	Establishing the sediment stratigraphy of reservoirs in the southern Pennines, UK. <i>Hydrological Sciences Journal</i> , 2001, 46, 701-714.	2.6	16
40	Solutes in overland flow following fire in eucalyptus and pine forests, northern Portugal. <i>Hydrological Processes</i> , 2000, 14, 971-985.	2.6	27
41	Post-fire forestry management and nutrient losses in eucalyptus and pine plantations, Northern Portugal. <i>Land Degradation and Development</i> , 2000, 11, 257-271.	3.9	40
42	Nutrient losses in eroded sediment after fire in eucalyptus and pine forests in the wet Mediterranean environment of northern Portugal. <i>Catena</i> , 1999, 36, 283-302.	5.0	111
43	Holocene book reviews: Soils. A new global view T.R. Paton, G.S. Humphreys and P.B. Mitchell. London: UCL Press, 1995, 213 pp. £40, hardback. ISBN 1-85728-464-X. <i>Holocene</i> , 1996, 6, 503-503.	1.7	0
44	Soil properties across a hydrological gradient in saladas from northeast Spain: what are the implications for soil carbon stocks, CO ₂ efflux and microbial communities in a warming world?. <i>Wetlands Ecology and Management</i> , 0, , 1.	1.5	1