

James N Blignaut

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

3,405
citations

201575

27
h-index

149623

56
g-index

82
all docs

82
docs citations

82
times ranked

4248
citing authors

#	ARTICLE	IF	CITATIONS
1	An integrative bio-physical approach to determine the greenhouse gas emissions and carbon sinks of a cow and her offspring in a beef cattle operation: A system dynamics approach. <i>Agricultural Systems</i> , 2022, 195, 103286.	3.2	5
2	An Assessment of the Potential Economic Impacts of the Invasive Polyphagous Shot Hole Borer (Coleoptera: Curculionidae) in South Africa. <i>Journal of Economic Entomology</i> , 2022, 115, 1076-1086.	0.8	10
3	Developing a restoration narrative: A pathway towards system-wide healing and a restorative culture. <i>Ecological Economics</i> , 2020, 168, 106483.	2.9	17
4	The effect of accessibility and value addition on the costs of controlling invasive alien plants in South Africa: A three-species system dynamics model in the fynbos and grassland biomes. <i>Southern Forests</i> , 2020, 82, 125-134.	0.2	1
5	A comparative assessment of the contribution of two different models for clearing invasive alien plants using grazing regimes in the Eastern Cape, South Africa. <i>African Journal of Range and Forage Science</i> , 2020, 37, 226-236.	0.6	1
6	Impacts of Plant Invasions on Terrestrial Water Flows in South Africa. , 2020, , 431-457.		30
7	The impact of human behaviour and restoration on the economic lifespan of the proposed Ntabelanga and Laleni dams, South Africa: A system dynamics approach. <i>Water Resources and Economics</i> , 2019, 26, 100126.	0.9	6
8	An approach to determine the extinction risk of exploited populations. <i>Journal for Nature Conservation</i> , 2019, 52, 125750.	0.8	6
9	Investing in natural capital and national security: A comparative review of restoration projects in South Africa. <i>Heliyon</i> , 2019, 5, e01765.	1.4	12
10	Making investments in natural capital count. <i>Ecosystem Services</i> , 2019, 37, 100927.	2.3	9
11	Benefits and costs analysis of soil erosion control using rock pack structures: The case of Mutale Local Municipality, Limpopo Province, South Africa. <i>Land Use Policy</i> , 2019, 83, 512-522.	2.5	5
12	Impact of invasive alien plants on water provision in selected catchments. <i>Water S A</i> , 2018, 44, .	0.2	8
13	The economics of landscape restoration: Benefits of controlling bush encroachment and invasive plant species in South Africa and Namibia. <i>Ecosystem Services</i> , 2017, 27, 193-202.	2.3	49
14	The benefits and costs of clearing invasive alien plants in northern Zululand, South Africa. <i>Ecosystem Services</i> , 2017, 27, 203-223.	2.3	21
15	Reducing landscape restoration costs: Feasibility of generating electricity from invasive alien plant biomass on the Agulhas Plain, South Africa. <i>Ecosystem Services</i> , 2017, 27, 224-231.	2.3	11
16	Modelling potential hydrological returns from investing in ecological infrastructure: Case studies from the Baviaanskloof-Tsitsikamma and uMngeni catchments, South Africa. <i>Ecosystem Services</i> , 2017, 27, 261-271.	2.3	19
17	Mapping and valuation of South Africa's ecosystem services: A local perspective. <i>Ecosystem Services</i> , 2017, 27, 179-192.	2.3	49
18	Conceptual Frameworks and References for Landscape-scale Restoration: Reflecting Back and Looking Forward. <i>Annals of the Missouri Botanical Garden</i> , 2017, 102, 188-200.	1.3	68

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19	The economic value of ecosystem goods and services: The case of Mogale's Gate Biodiversity Centre, South Africa. <i>Ecosystem Services</i> , 2017, 26, 127-136.	2.3	9
20	Externality costs of the coal-fuel cycle: The case of Kusile Power Station. <i>South African Journal of Science</i> , 2017, 113, 9.	0.3	5
21	The economic and environmental effects of a carbon tax in South Africa: A dynamic CGE modelling approach. <i>South African Journal of Economic and Management Sciences</i> , 2016, 19, 714-732.	0.4	27
22	Clearing invasive alien plants as a cost-effective strategy for water catchment management: The case of the Olifants river catchment, South Africa. <i>South African Journal of Economic and Management Sciences</i> , 2016, 19, 774-787.	0.4	12
23	The opportunity cost of not utilising the woody invasive alien plant species in the Kouga, Krom and Baviaans catchments in South Africa. <i>South African Journal of Economic and Management Sciences</i> , 2016, 19, 814-830.	0.4	9
24	A cost-benefit analysis of using Rooikrans as biomass feedstock for electricity generation: A case study of the De Hoop nature reserve, South Africa. <i>South African Journal of Economic and Management Sciences</i> , 2016, 19, 788-813.	0.4	7
25	Predator-prey analysis using system dynamics: An application to the steel industry. <i>South African Journal of Economic and Management Sciences</i> , 2016, 19, 733-746.	0.4	11
26	The amenity value of Abu Dhabi's coastal and marine resources to its beach visitors. <i>Ecosystem Services</i> , 2016, 19, 32-41.	2.3	16
27	Interdisciplinary and multi-institutional higher learning: reflecting on a South African case study investigating complex and dynamic environmental challenges. <i>Current Opinion in Environmental Sustainability</i> , 2016, 19, 76-86.	3.1	18
28	A categorisation and evaluation of rhino management policies. <i>Development Southern Africa</i> , 2016, 33, 459-469.	1.1	6
29	Sectoral electricity elasticities in South Africa: Before and after the supply crisis of 2008. <i>South African Journal of Science</i> , 2015, 111, 7.	0.3	6
30	Prescribing Innovation within a Large-Scale Restoration Programme in Degraded Subtropical Thicket in South Africa. <i>Forests</i> , 2015, 6, 4328-4348.	0.9	30
31	Local institutions, actors, and natural resource governance in Kgalagadi Transfrontier Park and surrounds, South Africa. <i>Land Use Policy</i> , 2015, 47, 121-129.	2.5	31
32	Debunking the myth that a legal trade will solve the rhino horn crisis: A system dynamics model for market demand. <i>Journal for Nature Conservation</i> , 2015, 28, 11-18.	0.8	31
33	Benefits of restoring ecosystem services in urban areas. <i>Current Opinion in Environmental Sustainability</i> , 2015, 14, 101-108.	3.1	543
34	Determining the feasibility of harvesting invasive alien plant species for energy. <i>South African Journal of Science</i> , 2014, 110, 6.	0.3	16
35	Restoration of natural capital: Mobilising private sector investment. <i>Development Southern Africa</i> , 2014, 31, 711-720.	1.1	5
36	Restoration of natural capital: A key strategy on the path to sustainability. <i>Ecological Engineering</i> , 2014, 65, 54-61.	1.6	54

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37	The financial and economic feasibility of rural household biodigesters for poor communities in South Africa. <i>Waste Management</i> , 2014, 34, 352-362.	3.7	23
38	The economics of restoration: looking back and leaping forward. <i>Annals of the New York Academy of Sciences</i> , 2014, 1322, 35-47.	1.8	30
39	A greenhouse gas emissions inventory for South Africa: A comparative analysis. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 34, 371-379.	8.2	16
40	Improving the electricity efficiency in South Africa through a benchmark-and-trade system. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 30, 833-840.	8.2	8
41	Establishing the links between economic development and the restoration of natural capital. <i>Current Opinion in Environmental Sustainability</i> , 2013, 5, 94-101.	3.1	33
42	System dynamic modelling to assess economic viability and risk trade-offs for ecological restoration in South Africa. <i>Journal of Environmental Management</i> , 2013, 120, 138-147.	3.8	36
43	Benefits of Investing in Ecosystem Restoration. <i>Conservation Biology</i> , 2013, 27, 1286-1293.	2.4	240
44	Economics of climate change adaptation at the local scale under conditions of uncertainty and resource constraints: the case of Durban, South Africa. <i>Environment and Urbanization</i> , 2013, 25, 139-156.	1.5	40
45	Including the economic value of well-functioning urban ecosystems in financial decisions: Evidence from a process in Cape Town. <i>Ecosystem Services</i> , 2012, 2, 38-44.	2.3	31
46	Electricity intensities of the OECD and South Africa: A comparison. <i>Renewable and Sustainable Energy Reviews</i> , 2012, 16, 4491-4499.	8.2	24
47	iREDD hedges against avoided deforestation's unholy trinity of leakage, permanence and additionality. <i>Conservation Letters</i> , 2012, 5, 266-273.	2.8	36
48	Climate change: The opportunity cost of Medupi and Kusile power stations. <i>Journal of Energy in Southern Africa</i> , 2012, 23, 67-75.	0.5	6
49	Estimating the opportunity cost of water for the Kusile and Medupi coal-fired electricity power plants in South Africa. <i>Journal of Energy in Southern Africa</i> , 2012, 23, 76-84.	0.5	7
50	The external costs of coal mining: the case of collieries supplying Kusile power station. <i>Journal of Energy in Southern Africa</i> , 2012, 23, 85-93.	0.5	12
51	The possibilities and pitfalls presented by a pragmatic approach to ecosystem service valuation in an arid biodiversity hotspot. <i>Journal of Arid Environments</i> , 2011, 75, 612-623.	1.2	37
52	An exploratory study of motivations driving corporate investment in voluntary climate change mitigation in South Africa. <i>South African Journal of Economic and Management Sciences</i> , 2011, 14, 92-108.	0.4	8
53	Estimating the price elasticity for demand for electricity by sector in South Africa. <i>South African Journal of Economic and Management Sciences</i> , 2011, 14, 449-465.	0.4	37
54	Impacts of invasive Australian acacias: implications for management and restoration. <i>Diversity and Distributions</i> , 2011, 17, 1015-1029.	1.9	316

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55	South Africa's electricity consumption: A sectoral decomposition analysis. <i>Applied Energy</i> , 2011, 88, 4779-4784.	5.1	61
56	The ARISE Project in South Africa. , 2011, , 207-219.		0
57	Restoring and managing natural capital towards fostering economic development: Evidence from the Drakensberg, South Africa. <i>Ecological Economics</i> , 2010, 69, 1313-1323.	2.9	48
58	Are Socioeconomic Benefits of Restoration Adequately Quantified? A Meta-analysis of Recent Papers (2000-2008) in <i>Restoration Ecology</i> and 12 Other Scientific Journals. <i>Restoration Ecology</i> , 2010, 18, 143-154.	1.4	218
59	The road to sustainability must bridge three great divides. <i>Annals of the New York Academy of Sciences</i> , 2010, 1185, 225-236.	1.8	24
60	Determining the relationship between invasive alien species density and a country's socio-economic status. <i>South African Journal of Science</i> , 2010, 106, .	0.3	16
61	Multi-functional landscapes in semi arid environments: implications for biodiversity and ecosystem services. <i>Landscape Ecology</i> , 2010, 25, 1231-1246.	1.9	89
62	Agriculture production's sensitivity to changes in climate in South Africa. <i>South African Journal of Science</i> , 2009, 105, .	0.3	13
63	Water neutrality: A first quantitative framework for investing in water in South Africa. <i>Conservation Letters</i> , 2009, 2, 12-19.	2.8	7
64	Agriculture production's sensitivity to changes in climate in South Africa. <i>South African Journal of Science</i> , 2009, 105, .	0.3	23
65	Integrated water and economic modelling of the impacts of water market instruments on the South African economy. <i>Ecological Economics</i> , 2008, 66, 105-116.	2.9	58
66	The working for water programme: Evolution of a payments for ecosystem services mechanism that addresses both poverty and ecosystem service delivery in South Africa. <i>Ecological Economics</i> , 2008, 65, 788-798.	2.9	305
67	Getting serious about maintaining biodiversity. <i>Conservation Letters</i> , 2008, 1, 12-17.	2.8	43
68	Modelling South African grain farmers' preferences to adopt derivative contracts using discrete choice models. <i>Agrekon</i> , 2008, 47, 222-239.	0.5	3
69	Triple dividends of water consumption charges in South Africa. <i>Water Resources Research</i> , 2007, 43, .	1.7	47
70	Ecological restoration: A new frontier for nature conservation and economics. <i>Journal for Nature Conservation</i> , 2006, 14, 135-139.	0.8	113
71	AN ANALYSIS OF INVENTORY INVESTMENT IN SOUTH AFRICA. <i>South African Journal of Economics</i> , 2006, 74, 6-19.	1.0	2
72	Quantifying the potential of restored natural capital to alleviate poverty and help conserve nature: A case study from South Africa. <i>Journal for Nature Conservation</i> , 2006, 14, 237-248.	0.8	26

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73	Nature conservation as if people mattered. <i>Journal for Nature Conservation</i> , 2006, 14, 260-263.	0.8	12
74	Modelling the marginal revenue of water in selected agricultural commodities: A panel data approach. <i>Agrekon</i> , 2006, 45, 78-88.	0.5	9
75	Searching for Triple Dividends in South Africa: Fighting CO2 pollution and poverty while promoting growth. <i>Energy Journal</i> , 2006, 27, 113-142.	0.9	112
76	Assessment of the performance and sustainability of mining sub-soil assets for economic development in South Africa. <i>Ecological Economics</i> , 2002, 40, 89-101.	2.9	21
77	A CRITICAL EVALUATION OF THE CAPITAL THEORY APPROACH TO SUSTAINABLE DEVELOPMENT. <i>Agrekon</i> , 2000, 39, 111-125.	0.5	8
78	INTEGRATING THE NATURAL ENVIRONMENT AND MACROECONOMIC POLICY: RECOMMENDATIONS FOR SOUTH AFRICA / DIE INTEGRERING VAN DIE OMGEWING EN MAKRO-EKONOMIESE BELEID: AANBEVELINGS VIR SUID-AFRIKA. <i>Agrekon</i> , 1999, 38, 374-395.	0.5	4
79	Development and the Environment: Some Basic Issues. <i>South African Journal of Economics</i> , 1998, 66, 114-122.	1.0	4
80	Socio - Economic Environment and Labour Absorption in South Africa. <i>South African Journal of Economics</i> , 1998, 66, 145-154.	1.0	2