

# James N Blignaut

## List of Publications by Year in descending order

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Version: 2024-02-01

80  
papers

3,405  
citations

201385

27  
h-index

149479

56  
g-index

82  
all docs

82  
docs citations

82  
times ranked

4248  
citing authors

#	ARTICLE	IF	CITATIONS
1	Benefits of restoring ecosystem services in urban areas. <i>Current Opinion in Environmental Sustainability</i> , 2015, 14, 101-108.	3.1	543
2	Impacts of invasive Australian acacias: implications for management and restoration. <i>Diversity and Distributions</i> , 2011, 17, 1015-1029.	1.9	316
3	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
4	Benefits of Investing in Ecosystem Restoration. <i>Conservation Biology</i> , 2013, 27, 1286-1293.	2.4	240
5	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
6	Ecological restoration: A new frontier for nature conservation and economics. <i>Journal for Nature Conservation</i> , 2006, 14, 135-139.	0.8	113
7	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
8	Multi-functional landscapes in semi arid environments: implications for biodiversity and ecosystem services. <i>Landscape Ecology</i> , 2010, 25, 1231-1246.	1.9	89
9	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
10	South Africa's electricity consumption: A sectoral decomposition analysis. <i>Applied Energy</i> , 2011, 88, 4779-4784.	5.1	61
11	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
12	Restoration of natural capital: A key strategy on the path to sustainability. <i>Ecological Engineering</i> , 2014, 65, 54-61.	1.6	54
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	Mapping and valuation of South Africa's ecosystem services: A local perspective. <i>Ecosystem Services</i> , 2017, 27, 179-192.	2.3	49
15	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
16	Triple dividends of water consumption charges in South Africa. <i>Water Resources Research</i> , 2007, 43, .	1.7	47
17	Getting serious about maintaining biodiversity. <i>Conservation Letters</i> , 2008, 1, 12-17.	2.8	43
18	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

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19	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
20	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
21	iREDD hedges against avoided deforestation's unholy trinity of leakage, permanence and additionality. <i>Conservation Letters</i> , 2012, 5, 266-273.	2.8	36
22	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
23	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
24	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
25	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
26	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
27	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
28	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
29	Impacts of Plant Invasions on Terrestrial Water Flows in South Africa. , 2020, , 431-457.		30
30	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
31	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
32	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
33	Electricity intensities of the OECD and South Africa: A comparison. <i>Renewable and Sustainable Energy Reviews</i> , 2012, 16, 4491-4499.	8.2	24
34	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
35	Agriculture production's sensitivity to changes in climate in South Africa. <i>South African Journal of Science</i> , 2009, 105, .	0.3	23
36	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

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37	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
38	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
39	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
40	Developing a restoration narrative: A pathway towards system-wide healing and a restorative culture. <i>Ecological Economics</i> , 2020, 168, 106483.	2.9	17
41	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
42	Determining the feasibility of harvesting invasive alien plant species for energy. <i>South African Journal of Science</i> , 2014, 110, 6.	0.3	16
43	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
44	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
45	Agriculture production's sensitivity to changes in climate in South Africa. <i>South African Journal of Science</i> , 2009, 105, .	0.3	13
46	Nature conservation as if people mattered. <i>Journal for Nature Conservation</i> , 2006, 14, 260-263.	0.8	12
47	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
48	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
49	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
50	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
51	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
52	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
53	Modelling the marginal revenue of water in selected agricultural commodities: A panel data approach. <i>Agrekon</i> , 2006, 45, 78-88.	0.5	9
54	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

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55	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
56	Making investments in natural capital count. <i>Ecosystem Services</i> , 2019, 37, 100927.	2.3	9
57	A CRITICAL EVALUATION OF THE CAPITAL THEORY APPROACH TO SUSTAINABLE DEVELOPMENT. <i>Agrekon</i> , 2000, 39, 111-125.	0.5	8
58	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
59	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
60	Impact of invasive alien plants on water provision in selected catchments. <i>Water S A</i> , 2018, 44, .	0.2	8
61	Water neutrality: A first quantitative framework for investing in water in South Africa. <i>Conservation Letters</i> , 2009, 2, 12-19.	2.8	7
62	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
63	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
64	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
65	A categorisation and evaluation of rhino management policies. <i>Development Southern Africa</i> , 2016, 33, 459-469.	1.1	6
66	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
67	An approach to determine the extinction risk of exploited populations. <i>Journal for Nature Conservation</i> , 2019, 52, 125750.	0.8	6
68	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
69	Restoration of natural capital: Mobilising private sector investment. <i>Development Southern Africa</i> , 2014, 31, 711-720.	1.1	5
70	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
71	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
72	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

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73	Development and the Environment: Some Basic Issues. South African Journal of Economics, 1998, 66, 114-122.	1.0	4
74	INTEGRATING THE NATURAL ENVIRONMENT AND MACROECONOMIC POLICY: RECOMMENDATIONS FOR SOUTH AFRICA / DIE INTEGRERING VAN DIE OMGEWING EN MAKRO-EKONOMIESE BELEID: AANBEVELINGS VIR SUID-AFRIKA. Agrekon, 1999, 38, 374-395.	0.5	4
75	Modelling South African grain farmers' preferences to adopt derivative contracts using discrete choice models. Agrekon, 2008, 47, 222-239.	0.5	3
76	Socio - Economic Environment and Labour Absorption in South Africa. South African Journal of Economics, 1998, 66, 145-154.	1.0	2
77	AN ANALYSIS OF INVENTORY INVESTMENT IN SOUTH AFRICA. South African Journal of Economics, 2006, 74, 6-19.	1.0	2
78	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. Southern Forests, 2020, 82, 125-134.	0.2	1
79	A comparative assessment of the contribution of two different models for clearing invasive alien plants using grazing regimes in the Eastern Cape, South Africa. African Journal of Range and Forage Science, 2020, 37, 226-236.	0.6	1
80	The ARISE Project in South Africa. , 2011, , 207-219.		0