

Ursula M Scharler

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

1,638
citations

361296

20
h-index

315616

38
g-index

58
all docs

58
docs citations

58
times ranked

1514
citing authors

#	ARTICLE	IF	CITATIONS
1	Ecological network analysis: network construction. <i>Ecological Modelling</i> , 2007, 208, 49-55.	1.2	326
2	Human Health and Ocean Pollution. <i>Annals of Global Health</i> , 2020, 86, 151.	0.8	240
3	Ecological network analysis metrics: The need for an entire ecosystem approach in management and policy. <i>Ocean and Coastal Management</i> , 2019, 174, 1-14.	2.0	103
4	A comparison of selected ecosystem attributes of three South African estuaries with different freshwater inflow regimes, using network analysis. <i>Journal of Marine Systems</i> , 2005, 56, 283-308.	0.9	89
5	The influence of catchment management on salinity, nutrient stoichiometry and phytoplankton biomass of Eastern Cape estuaries, South Africa. <i>Estuarine, Coastal and Shelf Science</i> , 2003, 56, 735-748.	0.9	54
6	A taphonomic study of $\delta^{13}C$ and $\delta^{15}N$ values in <i>Rhizophora</i> mangrove leaves for a multi-proxy approach to mangrove palaeoecology. <i>Organic Geochemistry</i> , 2003, 34, 1259-1275.	0.9	51
7	Network environ analysis for socio-economic water system. <i>Ecological Indicators</i> , 2014, 47, 80-88.	2.6	47
8	The consequences of the aggregation of detritus pools in ecological networks. <i>Ecological Modelling</i> , 2005, 189, 221-232.	1.2	45
9	Spatial variation in the ecological relationships among the components of Beijing's carbon metabolic system. <i>Science of the Total Environment</i> , 2016, 544, 103-113.	3.9	40
10	Resilience of estuarine phytoplankton and their temporal variability along salinity gradients during drought and hypersalinity. <i>Estuarine, Coastal and Shelf Science</i> , 2015, 158, 40-52.	0.9	38
11	Comparing network analysis methodologies for consumer-resource relations at species and ecosystems scales. <i>Ecological Modelling</i> , 2009, 220, 3210-3218.	1.2	35
12	Dependence of network metrics on model aggregation and throughflow calculations: Demonstration using the Silt River, Bight Ecosystem. <i>Ecological Modelling</i> , 2013, 252, 214-219.	1.2	34
13	Measuring sensitivity of robustness and network indices for an estuarine food web model under perturbations. <i>Ecological Modelling</i> , 2015, 306, 160-173.	1.2	34
14	Variable nutrient stoichiometry (carbon:nitrogen:phosphorus) across trophic levels determines community and ecosystem properties in an oligotrophic mangrove system. <i>Oecologia</i> , 2015, 179, 863-876.	0.9	31
15	Role of network analysis in comparative ecosystem ecology of estuaries. , 2005, , 25-40.		25
16	Use of sensitivity and comparative analyses in constructing plausible trophic mass-balance models of a data-limited marine ecosystem - The KwaZulu-Natal Bight, South Africa. <i>Journal of Marine Systems</i> , 2011, 88, 298-311.	0.9	23
17	Ecosystem development during open and closed phases of temporarily open/closed estuaries on the subtropical east coast of South Africa. <i>Estuarine, Coastal and Shelf Science</i> , 2012, 108, 119-131.	0.9	23
18	Network analysis indices reflect extreme hydrodynamic conditions in a shallow estuarine lake (Lake) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.6	22

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19	Inlet mouth phase influences density, variability and standing stocks of plankton assemblages in temporarily open/closed estuaries. <i>Estuarine, Coastal and Shelf Science</i> , 2014, 136, 139-148.	0.9	22
20	Walk partitions of flow in Ecological Network Analysis: Review and synthesis of methods and indicators. <i>Ecological Indicators</i> , 2019, 106, 105451.	2.6	22
21	Towards a sounder interpretation of entropy-based indicators in ecological network analysis. <i>Ecological Indicators</i> , 2017, 72, 726-737.	2.6	21
22	Least-inference methods for constructing networks of trophic flows. <i>Ecological Modelling</i> , 2008, 210, 278-286.	1.2	20
23	Modelling ecosystem effects of reduced prawn recruitment on the Thukela Bank trawling grounds, South Africa, following nursery loss. <i>Marine Ecology - Progress Series</i> , 2013, 479, 143-161.	0.9	18
24	Temporal variation of keystone species and their impact on system performance in a South African estuarine ecosystem. <i>Ecological Modelling</i> , 2017, 363, 207-220.	1.2	17
25	Riverine influence determines nearshore heterogeneity of nutrient (C, N, P) content and stoichiometry in the KwaZulu-Natal Bight, South Africa. <i>African Journal of Marine Science</i> , 2016, 38, S193-S203.	0.4	15
26	Effects of prolonged mouth closure in a temporarily open/closed estuary: a summary of the responses of invertebrate communities in the uMdloti Estuary, South Africa. <i>African Journal of Aquatic Science</i> , 2020, 45, 121-130.	0.5	13
27	Evaluation of information indices as indicators of environmental stress in terrestrial soils. <i>Ecological Modelling</i> , 2007, 208, 80-90.	1.2	12
28	Spatial and temporal variability of carbon budgets of shallow South African subtropical estuaries. <i>Science of the Total Environment</i> , 2018, 626, 915-926.	3.9	12
29	Temperature-induced variability in metabolic activity of ecologically important estuarine macrobenthos. <i>Marine Biology</i> , 2018, 165, 1.	0.7	12
30	Dynamics of pelagic and benthic microalgae during drought conditions in a shallow estuarine lake (Lake St. Lucia). <i>Estuarine, Coastal and Shelf Science</i> , 2013, 118, 86-96.	0.9	10
31	Nutrient Dynamics of Estuarine Invertebrates Are Shaped by Feeding Guild Rather than Seasonal River Flow. <i>PLoS ONE</i> , 2015, 10, e0137417.	1.1	10
32	The nutrient status of the agriculturally impacted Gamtoos Estuary, South Africa, with special reference to the river-estuarine interface region (REI). <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2003, 13, 99-119.	0.9	8
33	A system-level modelling perspective of the KwaZulu-Natal Bight ecosystem, eastern South Africa. <i>African Journal of Marine Science</i> , 2016, 38, S205-S216.	0.4	7
34	Hypersaline conditions cause distinct ciliate community structure in a South African estuarine lake system. <i>Journal of Plankton Research</i> , 2016, 38, 878-887.	0.8	6
35	Carbon and nitrogen system dynamics in three small South African estuaries, with particular emphasis on the influence of seasons, river flow and mouth state. <i>Marine Ecology - Progress Series</i> , 2016, 557, 17-30.	0.9	6
36	Species composition, abundance and biomass of microphytoplankton in the KwaZulu-Natal Bight on the east coast of South Africa. <i>African Journal of Marine Science</i> , 2016, 38, S139-S153.	0.4	5

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37	Systems Ecology: Ecological Network Analysis. , 2019, , 643-652.		5
38	Stoichiometric multitrophic networks reveal significance of land-sea interaction to ecosystem function in a subtropical nutrient-poor bight, South Africa. PLoS ONE, 2019, 14, e0210295.	1.1	5
39	The importance of climatic variability and human influence in driving aspects of temporarily open-closed estuaries. Ecohydrology, 2020, 13, e2205.	1.1	5
40	Network construction, evaluation and documentation: A guideline. Environmental Modelling and Software, 2021, 140, 105020.	1.9	5
41	The filtering capacity of selected Eastern Cape estuaries, South Africa. Water S A, 2006, 31, 483.	0.2	4
42	Ecological Network Analysis, Ascendancy. , 2008, , 1064-1071.		4
43	Whole Food-Web Studies. , 2011, , 271-286.		4
44	Variability and temporal stability of communities in estuaries (Mlalazi and Mpenjati, South Africa). Marine Ecology - Progress Series, 2014, 500, 11-24.	0.9	4
45	A seasonal comparison of prokaryote numbers, biomass and heterotrophic productivity in waters of the KwaZulu-Natal Bight, South Africa. African Journal of Marine Science, 2016, 38, S123-S138.	0.4	4
46	Salinity tolerance of the South African endemic amphipod <i>Grandidierella lignorum</i> (Amphipoda: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38	0.5	3
47	Influence of variable water depth and turbidity on microalgae production in a shallow estuarine lake system - A modelling study. Estuarine, Coastal and Shelf Science, 2014, 146, 111-127.	0.9	3
48	CENTRAL ISSUES FOR AQUATIC FOOD WEBS: FROM CHEMICAL CUES TO WHOLE SYSTEM RESPONSES. , 2005, , 451-462.		3
49	Ecological Modeling in Environmental Management. , 2011, , 23-33.		2
50	Food webs and ecosystem functioning. , 0, , 381-396.		2
51	Different drivers create spatial vegetation cover and vertical structure in semi-arid African savannas. African Journal of Range and Forage Science, 2016, 33, 91-100.	0.6	2
52	Zooplankton metabolism in South African estuaries: does habitat type influence ecological strategies?. Journal of Plankton Research, 2019, 41, 535-548.	0.8	2
53	Resilience Measures in Ecosystems and Socioeconomic Networks. , 2018, , 183-208.		0
54	<i>Grandidierella lignorum</i> (Amphipoda: Aoridae) can be used for assessing the toxicity of sediment with varying grain sizes and low organic content. African Journal of Aquatic Science, 2019, 44, 163-170.	0.5	0

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55	Society's needs cannot be met by applied science alone: A response to Cochrane et al. (2019). South African Journal of Science, 2019, 115, .	0.3	0