

Neill J Goosen

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

411
citations

687363

13
h-index

839539

18
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38
all docs

38
docs citations

38
times ranked

477
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimisation of cellulase-assisted extraction of laminarin from the brown seaweed <i>Ecklonia maxima</i> , using response surface methodology. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 10399-10412.	4.6	1
2	Biomethane Production From Residual Algae Biomass (<i>Ecklonia maxima</i>): Effects of Inoculum Acclimatization on Yield. <i>Waste and Biomass Valorization</i> , 2022, 13, 497-509.	3.4	11
3	Assessment of Agricultural Biomass Residues for Anaerobic Digestion in Rural Vakinankaratra Region of Madagascar. <i>Bioenergy Research</i> , 2022, 15, 1251-1264.	3.9	8
4	Probabilistic techno-economic assessment of anaerobic digestion predicts economic benefits to smallholder farmers with quantifiable certainty. <i>Waste Management</i> , 2022, 138, 8-18.	7.4	10
5	Bioenergy potential from invasive alien plants: Environmental and socio-economic impacts in Eastern Cape, South Africa. <i>Biomass and Bioenergy</i> , 2022, 158, 106340.	5.7	6
6	The effect of sodium alginate, lignosulfonate and bentonite binders on agglomeration performance and mechanical strength of micro-fine agricultural lime pellets. <i>Particulate Science and Technology</i> , 2021, 39, 820-831.	2.1	3
7	Optimising enzymatic conditions of monkfish (<i>Lophius vomerinus</i>) heads hydrolysis towards potential waste biomass valorisation. <i>Biomass Conversion and Biorefinery</i> , 2021, 11, 2711-2722.	4.6	6
8	Environmental life cycle assessment of cascade valorisation strategies of South African macroalga <i>Ecklonia maxima</i> using green extraction technologies. <i>Algal Research</i> , 2021, 58, 102348.	4.6	15
9	Solar thermal process heat in fishmeal production: Prospects for two South African fishmeal factories. <i>Journal of Cleaner Production</i> , 2020, 253, 119818.	9.3	14
10	Green and integrated processing approaches for the recovery of high-value compounds from brown seaweeds. <i>Advances in Botanical Research</i> , 2020, 95, 369-413.	1.1	12
11	Estimation of biomass feedstock availability for anaerobic digestion in smallholder farming systems in South Africa. <i>Biomass and Bioenergy</i> , 2020, 142, 105798.	5.7	11
12	Aqueous olefin hydroformylation using water-soluble mono- and trinuclear N,O-chelate rhodium(I)-aryl ether precatalysts. <i>Applied Catalysis A: General</i> , 2020, 603, 117736.	4.3	14
13	Evaluation of potassium diformate and potassium chloride in the diet of the African catfish, <i>Clarias gariepinus</i> in a recirculating aquaculture system. <i>Aquaculture</i> , 2020, 526, 735414.	3.5	15
14	A greener alternative using subcritical water extraction to valorize the brown macroalgae <i>Ecklonia maxima</i> for bioactive compounds. <i>Journal of Applied Phycology</i> , 2020, 32, 2307-2319.	2.8	25
15	A simple and rapid protocol for measuring the chitin content of <i>Hermetia illucens</i> (L.) (Diptera: Tj ETQq1 1 0.784314 rgBT / Overlock 10	3.9	15
16	Olefin hydroformylation and kinetic studies using mono- and trinuclear N,O-chelate rhodium(I)-aryl ether precatalysts. <i>Applied Catalysis A: General</i> , 2019, 585, 117179.	4.3	8
17	Kinetic evaluation of the hydroformylation of the post-metathesis product 7-tetradecene using a heterobimetallic rhodium-ferrocenyl Schiff base derived precatalyst. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2019, 128, 333-347.	1.7	1
18	Hydroformylation of the post-metathesis product 7-tetradecene using rhodium(I) Schiff base derived precatalysts. <i>Applied Catalysis A: General</i> , 2019, 573, 49-55.	4.3	2

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19	Kinetic evaluation of the hydroformylation of the post-metathesis product 7-tetradecene using a bulky phosphite-modified rhodium catalyst. <i>Reaction Chemistry and Engineering</i> , 2019, 4, 695-704.	3.7	5
20	The effect of stocking density on profitability of African catfish (<i>Clarias gariepinus</i>) culture in extensive pond systems. <i>Aquaculture</i> , 2019, 507, 385-392.	3.5	19
21	Enzymatic Fractionation of Protein, Fat and Chitin from <i>Hermetia illucens</i> (L.) (Diptera: Stratiomyidae). <i>Proceedings (mdpi)</i> , 2019, 36, 187.	0.2	1
22	Optimization of phosphate recovery from monkfish, <i>Lophius vomerinus</i> , processing by-products and characterization of the phosphate phases. <i>Journal of the Science of Food and Agriculture</i> , 2019, 99, 2743-2756.	3.5	5
23	Effects of formic acid in abalone diets that contain ingredients derived from fish processing by-products. <i>Aquaculture International</i> , 2018, 26, 857-868.	2.2	2
24	Using steam explosion or AFEX [®] to produce animal feeds and biofuel feedstocks in a biorefinery based on sugarcane residues. <i>Biofuels, Bioproducts and Biorefining</i> , 2018, 12, 978-996.	3.7	21
25	Expanding 1st year problem-solving skills through unit conversions and estimations. , 2018, , .		5
26	Evaluation of fish protein hydrolysates in juvenile African catfish (<i>Clarias gariepinus</i>) diets. <i>Aquaculture</i> , 2018, 496, 262-269.	3.5	41
27	Phenolics, organic acids and minerals in the fruit juice of the indigenous African sourplum (<i>Ximenia</i>) Tj ETQq1 1 0.784314 rgBT /Overl	2.5	9
28	Solvent Extraction of Polyphenolics from the Indigenous African Fruit <i>Ximenia caffra</i> and Characterization by LC-HRMS. <i>Antioxidants</i> , 2018, 7, 103.	5.1	12
29	Using an informal competitive practical to stimulate links between the theoretical and practical in fluid mechanics: A case study in non-assessment driven learning approaches. <i>Education for Chemical Engineers</i> , 2017, 21, 1-10.	4.8	17
30	Rainbow trout silage as immune stimulant and feed ingredient in diets for Mozambique tilapia (<i>Oreochromis mossambicus</i>). <i>Aquaculture Research</i> , 2016, 47, 329-340.	1.8	16
31	Comparison of hydrolysed proteins from different raw materials in diets for Mozambique tilapia <i>Oreochromis mossambicus</i> . <i>Aquaculture International</i> , 2015, 23, 1165-1178.	2.2	6
32	Rainbow trout silage oil as immunity enhancing feed ingredient in formulated diets for South African abalone <i>Haliotis midae</i> . <i>Aquaculture</i> , 2014, 430, 28-33.	3.5	1
33	The effects of protein hydrolysates on the immunity and growth of the abalone <i>Haliotis midae</i> . <i>Aquaculture</i> , 2014, 428-429, 243-248.	3.5	19
34	Fish silage oil from rainbow trout processing waste as alternative to conventional fish oil in formulated diets for Mozambique tilapia <i>Oreochromis mossambicus</i> . <i>Animal Feed Science and Technology</i> , 2014, 188, 74-84.	2.2	20
35	Organic acids as potential growth promoters in the South African abalone <i>Haliotis midae</i> . <i>Aquaculture</i> , 2011, 321, 245-251.	3.5	31
36	Effects of dietary supplementation of endo-(1,4)- β -xylanase in plant-based diets on growth performance, hindgut microbial diversity, and blood chemistry in large on-growing African catfish (<i>Clarias</i>) Tj ETQq0 0 0 rgBT /Overl	10	10 # 50 57 Td

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37	In-Vivo Evaluation of the Suitability of By-Product-Derived Phosphate Feed Supplements for Use in the Circular Economy, Using Juvenile African Catfish as Model Species. Waste and Biomass Valorization, 0, , ·	3.4	0