

Johannes Van Staden

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7427361/publications.pdf>

Version: 2024-02-01

363
papers

10,978
citations

30070

54
h-index

64796

79
g-index

368
all docs

368
docs citations

368
times ranked

8059
citing authors

#	ARTICLE	IF	CITATIONS
1	Invasive alien plants and weeds in South Africa: A review of their applications in traditional medicine and potential pharmaceutical properties. <i>Journal of Ethnopharmacology</i> , 2022, 283, 114564.	4.1	14
2	Smoke-derived cues in the regulation of seed germination: are Ca ²⁺ -dependent signals involved?. <i>Plant Growth Regulation</i> , 2022, 97, 343-355.	3.4	4
3	Role of non-microbial biostimulants in regulation of seed germination and seedling establishment. <i>Plant Growth Regulation</i> , 2022, 97, 271-313.	3.4	15
4	Phytochemistry, Pharmacology, and Conservation of <i>Ansellia africana</i> : A Vulnerable Medicinal Orchid of Africa. <i>Reference Series in Phytochemistry</i> , 2022, , 435-451.	0.4	0
5	Ethnobotanical Uses, Nutritional Composition, Phytochemicals, Biological Activities, and Propagation of the Genus <i>Brachystelma</i> (Apocynaceae). <i>Horticulturae</i> , 2022, 8, 122.	2.8	1
6	Pharmacological studies of <i>Crinum</i> , <i>Ammocharis</i> , <i>Amaryllis</i> and <i>Cyrtanthus</i> species of the South African Amaryllidaceae. <i>South African Journal of Botany</i> , 2022, 147, 238-244.	2.5	4
7	Vermicompost leachate, seaweed extract and smoke-water alleviate drought stress in cowpea by influencing phytochemicals, compatible solutes and photosynthetic pigments. <i>Plant Growth Regulation</i> , 2022, 97, 327-342.	3.4	10
8	Insights to the tribe Haemantheae of the South African Amaryllidaceae. <i>Journal of Ethnopharmacology</i> , 2022, 292, 115177.	4.1	3
9	Seed priming with vermicompost leachate, <i>Ecklonia maxima</i> extract-Kelpak [®] and smoke-water induce heat stress amelioration and growth in <i>Vigna unguiculata</i> L. seedlings. <i>South African Journal of Botany</i> , 2022, 147, 686-696.	2.5	2
10	An understanding of the role of seed physiology for better crop productivity and food security. <i>Plant Growth Regulation</i> , 2022, 97, 171-173.	3.4	1
11	Bioprospecting for bioactive compounds in microalgae: Antimicrobial compounds. <i>Biotechnology Advances</i> , 2022, 59, 107977.	11.7	20
12	Aqueous smoke and karrikin influence seed germination of <i>Amaranthus dubius</i> in varying light, temperature and osmotic stress conditions. <i>South African Journal of Botany</i> , 2022, 148, 704-709.	2.5	0
13	Isolation and characterization of antimicrobial and anti-inflammatory triterpenoids from the acetone extract of <i>Grewia flava</i> DC. (Malvaceae) roots. <i>South African Journal of Botany</i> , 2022, 149, 87-95.	2.5	5
14	In vitro and ex vivo vegetative propagation and cytokinin profiles of <i>Sceletium tortuosum</i> (L.) N. E. Br.: a South African medicinal plant. <i>Plant Cell, Tissue and Organ Culture</i> , 2021, 145, 191-202.	2.3	8
15	Insights into the biostimulatory effects of chitosan in propagation of orchid bioresources. , 2021, , 197-210.		3
16	Modes of action of biostimulants in plants. , 2021, , 445-459.		3
17	Categories of various plant biostimulants – mode of application and shelf-life. , 2021, , 1-60.		6
18	Role of fire and fire cues in seed germination, seedling vigor, and establishment of species from fire-prone vegetation and its potential in African underutilized leafy vegetables and edible weeds. , 2021, , 137-164.		1

#	ARTICLE	IF	CITATIONS
19	Strigolactone inhibits hydrogen peroxide and plasma membrane H ⁺ -ATPase activities to downregulate adventitious root formation in mung bean hypocotyls. <i>Plant Growth Regulation</i> , 2021, 94, 11-21.	3.4	5
20	Influence of different cytokinins on the phenolic acids and antioxidant activity of two <i>Brachystelma</i> species. <i>Plant Cell, Tissue and Organ Culture</i> , 2021, 145, 689-699.	2.3	2
21	A stable isotope dilution method for a highly accurate analysis of karrikins. <i>Plant Methods</i> , 2021, 17, 37.	4.3	1
22	Potential nematicidal properties of plant extracts against <i>Meloidogyne incognita</i> . <i>South African Journal of Botany</i> , 2021, 139, 409-417.	2.5	8
23	Effects of smoke water on germination, seedling vigour and growth of <i>Sceletium tortuosum</i> . <i>South African Journal of Botany</i> , 2021, 139, 427-431.	2.5	4
24	Chemical Composition and Cytotoxic Activity of the Essential Oil and Oleoresins of In Vitro Micropropagated <i>Ansellia africana</i> Lindl: A Vulnerable Medicinal Orchid of Africa. <i>Molecules</i> , 2021, 26, 4556.	3.8	5
25	Comparison of monocultures and a mixed culture of three <i>Chlorellaceae</i> strains to optimize biomass production and biochemical content in microalgae grown in a greenhouse. <i>Journal of Applied Phycology</i> , 2021, 33, 2755-2766.	2.8	6
26	Natural product remedies for COVID-19: A focus on safety. <i>South African Journal of Botany</i> , 2021, 139, 386-398.	2.5	32
27	Interactive effects of plant growth-promoting rhizobacteria and a seaweed extract on the growth and physiology of <i>Allium cepa</i> L. (onion). <i>Journal of Plant Physiology</i> , 2021, 262, 153437.	3.5	29
28	Strigolactone analog (rac-GR24) enhances chilling tolerance in mung bean seedlings. <i>South African Journal of Botany</i> , 2021, 140, 173-181.	2.5	13
29	Plant biostimulating effects of the cyanobacterium <i>Nostoc piscinale</i> on maize (<i>Zea mays</i> L.) in field experiments. <i>South African Journal of Botany</i> , 2021, 140, 153-160.	2.5	10
30	Effect of storage on plant biostimulant and bioactive properties of freeze-dried <i>Chlorella vulgaris</i> biomass. <i>Journal of Applied Phycology</i> , 2021, 33, 3797-3806.	2.8	8
31	Chemical and biological studies of the South African Amaryllidaceae genera <i>Crinum</i> , <i>Ammocharis</i> , <i>Amaryllis</i> , <i>Cyrtanthus</i> and <i>Brunsvigia</i> . <i>South African Journal of Botany</i> , 2021, 142, 467-476.	2.5	4
32	Chemical principles of <i>Boophone</i> , <i>Nerine</i> , <i>Crossyne</i> , <i>Clivia</i> , <i>Cryptostephanus</i> , <i>Haemanthus</i> and <i>Scadoxus</i> of the South African Amaryllidaceae and their biological properties. <i>Planta Medica</i> , 2021, 0, .	1.3	0
33	Insight to the antifungal properties of Amaryllidaceae constituents. <i>Phytomedicine</i> , 2020, 73, 152753.	5.3	7
34	Preparation and Standardisation of Smoke-Water for Seed Germination and Plant Growth Stimulation. <i>Journal of Plant Growth Regulation</i> , 2020, 39, 338-345.	5.1	27
35	New role for crinamine as a potent, safe and selective inhibitor of human monoamine oxidase B: In vitro and in silico pharmacology and modeling. <i>Journal of Ethnopharmacology</i> , 2020, 248, 112305.	4.1	16
36	A critical review on exploiting the pharmaceutical potential of plant endophytic fungi. <i>Biotechnology Advances</i> , 2020, 39, 107462.	11.7	206

#	ARTICLE	IF	CITATIONS
37	Effect of cell disruption methods on the extraction of bioactive metabolites from microalgal biomass. <i>Journal of Biotechnology</i> , 2020, 307, 35-43.	3.8	52
38	LEAFY COTYLEDONS (LECs): master regulators in plant embryo development. <i>Plant Cell, Tissue and Organ Culture</i> , 2020, 140, 475-487.	2.3	13
39	The effect of biostimulants and light wavelengths on the physiology of <i>Cleome gynandra</i> seeds. <i>Plant Growth Regulation</i> , 2020, 90, 467-474.	3.4	10
40	Potential of phytohormones as a strategy to improve microalgae productivity for biotechnological applications. <i>Biotechnology Advances</i> , 2020, 44, 107612.	11.7	92
41	Extracts of <i>Gomphrena celosioides</i> Mart as potential treatment for urinary tract infections against antibiotic resistant β -lactamase producing uropathogens. <i>South African Journal of Botany</i> , 2020, 132, 502-510.	2.5	1
42	Synthetic strigolactone (rac-GR24) alleviates the adverse effects of heat stress on seed germination and photosystem II function in lupine seedlings. <i>Plant Physiology and Biochemistry</i> , 2020, 155, 965-979.	5.8	43
43	Flavonoids isolated from the South African weed <i>Chromolaena odorata</i> (Asteraceae) have pharmacological activity against uropathogens. <i>BMC Complementary Medicine and Therapies</i> , 2020, 20, 233.	2.7	14
44	Cytokinin-Facilitated Plant Regeneration of Three <i>Brachystelma</i> Species with Different Conservation Status. <i>Plants</i> , 2020, 9, 1657.	3.5	4
45	Antibacterial, Mutagenic Properties and Chemical Characterisation of Sugar Bush (<i>Protea caffra</i>) Tj ETQq1 1 0.784314 rgBT / Overlock	3.5	4
46	Phytomedicinal relevance of South African Cucurbitaceae species and their safety assessment: A review. <i>Journal of Ethnopharmacology</i> , 2020, 259, 112967.	4.1	19
47	Identification of Amaryllidaceae alkaloids in larvae of the "lily borer"™ moth <i>Brithys crini</i> . <i>South African Journal of Botany</i> , 2020, 131, 351-359.	2.5	6
48	Phytochemical Profiles and Antioxidant Activity of Grasses Used in South African Traditional Medicine. <i>Plants</i> , 2020, 9, 371.	3.5	20
49	Phytochemistry, Pharmacology, and Conservation of <i>Ansellia africana</i> : A Vulnerable Medicinal Orchid of Africa. <i>Reference Series in Phytochemistry</i> , 2020, , 1-18.	0.4	1
50	Bioactive molecules derived from smoke and seaweed <i>Ecklonia maxima</i> showing phytohormone-like activity in <i>Spinacia oleracea</i> L.. <i>New Biotechnology</i> , 2019, 48, 83-89.	4.4	73
51	Quantification of karrikins in smoke water using ultra-high performance liquid chromatography-tandem mass spectrometry. <i>Plant Methods</i> , 2019, 15, 81.	4.3	19
52	Role of Smoke Stimulatory and Inhibitory Biomolecules in Phytochrome-Regulated Seed Germination of <i>Lactuca sativa</i> . <i>Plant Physiology</i> , 2019, 181, 458-470.	4.8	25
53	Biological activities of extract from <i>Coleonema album</i> in vitro. <i>South African Journal of Botany</i> , 2019, 126, 176-181.	2.5	0
54	Biostimulating effects of the cyanobacterium <i>Nostoc piscinale</i> on winter wheat in field experiments. <i>South African Journal of Botany</i> , 2019, 126, 99-106.	2.5	16

#	ARTICLE	IF	CITATIONS
55	Antiplasmodial constituents in the minor alkaloid groups of the Amaryllidaceae. South African Journal of Botany, 2019, 126, 362-370.	2.5	10
56	Comprehensive profiling of codon usage signatures and codon context variations in the genus <i>Ustilago</i> . World Journal of Microbiology and Biotechnology, 2019, 35, 118.	3.6	9
57	Effect of zinc on the production of phenolic acids and hypoxoside in micropropagated <i>Hypoxis hemerocallidea</i> . Plant Growth Regulation, 2019, 89, 19-24.	3.4	7
58	Insights into the riddles of codon usage patterns and codon context signatures in fungal genus <i>Puccinia</i> , a persistent threat to global agriculture. Journal of Cellular Biochemistry, 2019, 120, 19555-19566.	2.6	6
59	Antiprotozoal alkaloid principles of the plant family Amaryllidaceae. Bioorganic and Medicinal Chemistry Letters, 2019, 29, 126642.	2.2	14
60	Strigolactones and their crosstalk with other phytohormones. Annals of Botany, 2019, 124, 749-767.	2.9	54
61	Effect of gibberellins on growth and biochemical constituents in <i>Chlorella minutissima</i> (Trebouxiophyceae). South African Journal of Botany, 2019, 126, 92-98.	2.5	13
62	Deciphering the phenolic acid reserves and antioxidant activity within the protocorm like bodies of <i>Ansellia africana</i> : A vulnerable medicinal orchid. Industrial Crops and Products, 2019, 135, 21-29.	5.2	21
63	Synthesis of potent neuroprotective butenolides based on plant smoke derived 3,4,5-Trimethylfuran-2(5H)-one and 3-methyl-2H-furo[2,3-c]pyrone-2-one. Phytochemistry, 2019, 163, 187-194.	2.9	7
64	Elucidating the role of Kelpak® on the growth, phytohormone composition, and phenolic acids in macronutrient-stressed <i>Ceratotheca triloba</i> . Journal of Applied Phycology, 2019, 31, 2687-2697.	2.8	3
65	The Amaryllidaceae as a source of antiplasmodial crinine alkaloid constituents. <i>Fytotera</i> , 2019, 134, 305-313.	2.2	12
66	Identification of Narciclasine as an in Vitro Anti-Inflammatory Component of <i>Cyrtanthus contractus</i> by Correlation-Based Metabolomics. Journal of Natural Products, 2019, 82, 1372-1376.	3.0	8
67	Multi-tasking of SERK-like kinases in plant embryogenesis, growth, and development: current advances and biotechnological applications. Acta Physiologiae Plantarum, 2019, 41, 1.	2.1	13
68	Potential of Smoke-Water and One of Its Active Compounds (karrikinolide, KAR1) on the Phytochemical and Antioxidant Activity of <i>Eucomis autumnalis</i> . Antioxidants, 2019, 8, 611.	5.1	1
69	How Do Different Watering Regimes Affect the Growth, Chlorophyll Fluorescence, Phytohormone, and Phenolic Acid Content of Greenhouse-Grown <i>Ceratotheca triloba</i> ?. Journal of Plant Growth Regulation, 2019, 38, 385-399.	5.1	9
70	Isolation and in silico prediction of potential drug-like compounds from <i>Anethum sowa</i> L. root extracts targeted towards cancer therapy. Computational Biology and Chemistry, 2019, 78, 242-259.	2.3	14
71	Impact of drought and salinity on olive water status and physiological performance in an arid climate. Agricultural Water Management, 2019, 213, 749-759.	5.6	41
72	Antimycobacterial screening and safety evaluation of <i>Tithonia rotundifolia</i> , a southern Africa alien invasive weed. , 2019, 85, .		0

#	ARTICLE	IF	CITATIONS
73	Analysis of the effect of plant growth regulators and organic elicitors on antibacterial activity of <i>Eucomis autumnalis</i> and <i>Drimia robusta</i> ex vitro-grown biomass. <i>Plant Growth Regulation</i> , 2018, 85, 143-151.	3.4	11
74	Antifungal constituents of the plant family Amaryllidaceae. <i>Phytotherapy Research</i> , 2018, 32, 976-984.	5.8	17
75	Endogenous brassinosteroids in microalgae exposed to salt and low temperature stress. <i>European Journal of Phycology</i> , 2018, 53, 273-279.	2.0	23
76	Deciphering the growth pattern and phytohormonal content in Saskatoon berry (<i>Amelanchier</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622	4.4	10
77	Plant growth regulator interactions in physiological processes for controlling plant regeneration and in vitro development of <i>Tulbaghia simmleri</i> . <i>Journal of Plant Physiology</i> , 2018, 223, 65-71.	3.5	21
78	In vitro encapsulation based short term storage and assessment of genetic homogeneity in regenerated <i>Ansellia africana</i> (Leopard orchid) using gene targeted molecular markers. <i>Plant Cell, Tissue and Organ Culture</i> , 2018, 133, 299-310.	2.3	54
79	Ethnobotany, phytochemistry and pharmacology of <i>Arctotis arctotoides</i> (L.f.) O. Hoffm.: A review. <i>Journal of Ethnopharmacology</i> , 2018, 220, 294-320.	4.1	10
80	Identification and characterization of potential bioactive compounds from the leaves of <i>Leucosidea sericea</i> . <i>Journal of Ethnopharmacology</i> , 2018, 220, 169-176.	4.1	20
81	Influence of biostimulants-seed-priming on <i>Ceratotheca triloba</i> germination and seedling growth under low temperatures, low osmotic potential and salinity stress. <i>Ecotoxicology and Environmental Safety</i> , 2018, 147, 43-48.	6.0	72
82	Metabolite profiling and isolation of biologically active compounds from <i>Scadoxus puniceus</i> , a highly traded South African medicinal plant. <i>Phytotherapy Research</i> , 2018, 32, 625-630.	5.8	14
83	In vitro propagation via organogenesis and synthetic seeds of <i>Urginea altissima</i> (L.f.) Baker: a threatened medicinal plant. <i>3 Biotech</i> , 2018, 8, 18.	2.2	23
84	Phenolic and flavonoid production and antimicrobial activity of <i>Gymnosporia buxifolia</i> (L.) Szyszyl cell cultures. <i>Plant Growth Regulation</i> , 2018, 86, 333-338.	3.4	5
85	A comprehensive study of the potential phytomedicinal use and toxicity of invasive <i>Tithonia</i> species in South Africa. <i>BMC Complementary and Alternative Medicine</i> , 2018, 18, 272.	3.7	20
86	Cell cycle modulatory effects of Amaryllidaceae alkaloids. <i>Life Sciences</i> , 2018, 213, 94-101.	4.3	22
87	Molecular insights into genetic diversity and population dynamics of five medicinal <i>Eulophia</i> species: a threatened orchid taxa of Africa. <i>Physiology and Molecular Biology of Plants</i> , 2018, 24, 631-641.	3.1	19
88	Oil biosynthesis and transcriptome profiles in developing endosperm and oil characteristic analyses in <i>Paeonia ostii</i> var. <i>lishizhenii</i> . <i>Journal of Plant Physiology</i> , 2018, 228, 121-133.	3.5	18
89	Phytochemical Characterization, Antibacterial, Acetylcholinesterase Inhibitory and Cytotoxic Properties of <i>Cryptostephanus vansonii</i> , an Endemic Amaryllid. <i>Phytotherapy Research</i> , 2017, 31, 713-720.	5.8	13
90	Ultrastructure of somatic embryo development and plant propagation for <i>Lachenalia montana</i> . <i>South African Journal of Botany</i> , 2017, 109, 269-274.	2.5	11

#	ARTICLE	IF	CITATIONS
91	Regulating the regulators: responses of four plant growth regulators during clonal propagation of <i>Lachenalia montana</i> . <i>Plant Growth Regulation</i> , 2017, 82, 305-315.	3.4	8
92	Differential responses to isoprenoid, N 6-substituted aromatic cytokinins and indole-3-butyric acid in direct plant regeneration of <i>Eriocephalus africanus</i> . <i>Plant Growth Regulation</i> , 2017, 82, 103-110.	3.4	7
93	Structure-activity relationships of N- and S-analogs of the seed germination inhibitor (3,4,5-trimethylfuran-2(5H)-one) for mode of action elucidation. <i>Plant Growth Regulation</i> , 2017, 82, 47-53.	3.4	6
94	Antifungal and antioxidant activities of <i>Coleonema album</i> and <i>C. pulchellum</i> against skin diseases. <i>Pharmaceutical Biology</i> , 2017, 55, 1249-1255.	2.9	6
95	Steps to overcome the North-South divide in research relevant to climate change policy and practice. <i>Nature Climate Change</i> , 2017, 7, 21-27.	18.8	84
96	Bacteria and smoke-water extract improve growth and induce the synthesis of volatile defense mechanisms in <i>Vitis vinifera</i> L.. <i>Plant Physiology and Biochemistry</i> , 2017, 120, 1-9.	5.8	25
97	Antibacterial constituents of the plant family Amaryllidaceae. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 4943-4951.	2.2	43
98	In vitro propagation via organogenesis and embryogenesis of <i>Cyrtanthus mackenii</i> : a valuable threatened medicinal plant. <i>Plant Cell, Tissue and Organ Culture</i> , 2017, 131, 407-415.	2.3	13
99	New insights into plant somatic embryogenesis: an epigenetic view. <i>Acta Physiologiae Plantarum</i> , 2017, 39, 1.	2.1	58
100	Physiological and Biochemical Responses of <i>Merwillia plumbea</i> Cultured In Vitro with Different Cytokinins After 1 Year of Growth Under Ex Vitro Conditions. <i>Journal of Plant Growth Regulation</i> , 2017, 36, 83-95.	5.1	0
101	Antibacterial Properties of the Family Amaryllidaceae: Evaluation of Plant Extracts <i>in vitro</i> . <i>Natural Product Communications</i> , 2017, 12, 1934578X1701200.	0.5	4
102	Antifungal Activity Based Studies of Amaryllidaceae Plant Extracts. <i>Natural Product Communications</i> , 2017, 12, 1934578X1701201.	0.5	2
103	Distribution and Diversity of Usage of the Amaryllidaceae in the Traditional Remediation of Infectious Diseases. <i>Natural Product Communications</i> , 2017, 12, 1934578X1701200.	0.5	8
104	Seed germination and seedling growth of <i>Bauhinia variegata</i> in response to smoke-water and synthesised smoke-isolated karrikinolide (KAR ₁). <i>Seed Science and Technology</i> , 2017, 45, 306-318.	1.4	2
105	Antimicrobial screening of two alien invasive plant species against opportunistic pathogens causing infections in the central nervous system. , 2017, 4, .		0
106	Phytochemistry and cosmetic potential of plants traditionally used for skincare and beauty in South Africa. <i>Planta Medica International Open</i> , 2017, 4, .	0.5	0
107	Distribution and Diversity of Usage of the Amaryllidaceae in the Traditional Remediation of Infectious Diseases. <i>Natural Product Communications</i> , 2017, 12, 635-639.	0.5	5
108	In vitro Antibacterial Activity of <i>Combretum edwardsii</i> , <i>Combretum krausii</i> , and <i>Maytenus nemorosa</i> and Their Synergistic Effects in Combination with Antibiotics. <i>Frontiers in Pharmacology</i> , 2016, 7, 208.	3.5	19

#	ARTICLE	IF	CITATIONS
109	Antimicrobial Activity, Phenolic Content, and Cytotoxicity of Medicinal Plant Extracts Used for Treating Dermatological Diseases and Wound Healing in KwaZulu-Natal, South Africa. <i>Frontiers in Pharmacology</i> , 2016, 7, 320.	3.5	24
110	Acetylcholinesterase-Inhibition and Antibacterial Activity of <i>Mondia whitei</i> Adventitious Roots and Ex vitro-Grown Somatic Embryogenic-Biomass. <i>Frontiers in Pharmacology</i> , 2016, 7, 335.	3.5	12
111	<i>In Vivo</i> Cytotoxicity Studies of Amaryllidaceae Alkaloids. <i>Natural Product Communications</i> , 2016, 11, 1934578X1601100.	0.5	8
112	Investigating the effect of cadmium and aluminium on growth and stress-induced responses in the micropropagated medicinal plant <i>Hypoxis hemerocallidea</i> . <i>Plant Biology</i> , 2016, 18, 805-815.	3.8	12
113	Cytokinin profiles in ex vitro acclimatized <i>Eucomis autumnalis</i> plants pre-treated with smoke-derived karrikinolide. <i>Plant Cell Reports</i> , 2016, 35, 227-238.	5.6	5
114	In vitro propagation and ultrastructural studies of somatic embryogenesis of <i>Ledebouria ovatifolia</i> . <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2016, 52, 283-292.	2.1	12
115	Cytotoxic Alkaloid Constituents of the Amaryllidaceae. <i>Studies in Natural Products Chemistry</i> , 2016, 49, 107-156.	1.8	19
116	Auxin-cytokinin interaction and variations in their metabolic products in the regulation of organogenesis in two <i>Eucomis</i> species. <i>New Biotechnology</i> , 2016, 33, 883-890.	4.4	16
117	<i>Ansellia africana</i> (Leopard orchid): A medicinal orchid species with untapped reserves of important biomolecules – A mini review. <i>South African Journal of Botany</i> , 2016, 106, 181-185.	2.5	30
118	Effect of vermicompost leachate in <i>Ceratotheca triloba</i> under nutrient deficiency. <i>Acta Physiologiae Plantarum</i> , 2016, 38, 1.	2.1	6
119	Enhancing plant regeneration of <i>Lachenalia viridiflora</i> , a critically endangered ornamental geophyte with high floricultural potential. <i>Scientia Horticulturae</i> , 2016, 211, 263-268.	3.6	25
120	Ethnobotany, phytochemistry, toxicology and pharmacological properties of <i>Terminalia sericea</i> Burch. ex DC. (Combretaceae) – A review. <i>Journal of Ethnopharmacology</i> , 2016, 194, 789-802.	4.1	54
121	The effects of smoke derivatives on <i>in vitro</i> seed germination and development of the leopard orchid <i>Ansellia africana</i> . <i>Plant Biology</i> , 2016, 18, 289-294.	3.8	16
122	Alpha-glucosidase inhibitory and antiplasmodial properties of terpenoids from the leaves of <i>Buddleja saligna</i> Willd. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016, 31, 63-66.	5.2	17
123	Seaweed-Derived Biostimulant (Kelpak®) Influences Endogenous Cytokinins and Bioactive Compounds in Hydroponically Grown <i>Eucomis autumnalis</i> . <i>Journal of Plant Growth Regulation</i> , 2016, 35, 151-162.	5.1	34
124	Can the use of natural biostimulants be a potential means of phytoremediating contaminated soils from goldmines in South Africa?. <i>International Journal of Phytoremediation</i> , 2016, 18, 427-434.	3.1	7
125	The changes in morphogenesis and bioactivity of <i>Tetradenia riparia</i> , <i>Mondia whitei</i> and <i>Cyanoptis speciosa</i> by an aeroponic system. <i>Industrial Crops and Products</i> , 2016, 84, 199-204.	5.2	10
126	Enhancing growth, phytochemical constituents and aphid resistance capacity in cabbage with foliar application of eckol – a biologically active phenolic molecule from brown seaweed. <i>New Biotechnology</i> , 2016, 33, 273-279.	4.4	46

#	ARTICLE	IF	CITATIONS
127	Nutritional and pharmacological potential of the genus <i>Ceratotheca</i> – An underutilized leafy vegetable of Africa. <i>Journal of Ethnopharmacology</i> , 2016, 178, 209-221.	4.1	9
128	In vitro propagation and antibacterial activity in <i>Cotyledon orbiculata</i> : a valuable medicinal plant. <i>Plant Cell, Tissue and Organ Culture</i> , 2016, 124, 97-104.	2.3	22
129	<i>Chromolaena odorata</i> (L.) R.M. King & H. Rob. (Asteraceae) in sub-Saharan Africa: A synthesis and review of its medicinal potential. <i>Journal of Ethnopharmacology</i> , 2016, 183, 112-122.	4.1	47
130	Changes in phytochemical content and pharmacological activities of three <i>Chlorella</i> strains grown in different nitrogen conditions. <i>Journal of Applied Phycology</i> , 2016, 28, 149-159.	2.8	27
131	Fire-related cues and the germination of eight <i>Conostylis</i> (Haemodoraceae) taxa, when freshly collected, after burial and after laboratory storage. <i>Seed Science Research</i> , 2015, 25, 286-298.	1.7	20
132	Accumulation pattern of endogenous cytokinins and phenolics in different organs of <i>Eleocharis acicularis</i> in cold cytokinin pre-treated plants: implications for conservation. <i>Plant Biology</i> , 2015, 17, 1146-1155.	3.8	10
133	Interactions between a plant growth-promoting rhizobacterium and smoke-derived compounds and their effect on okra growth. <i>Journal of Plant Nutrition and Soil Science</i> , 2015, 178, 741-747.	1.9	14
134	Effect of smoke derivatives on <i>in vitro</i> pollen germination and pollen tube elongation of species from different plant families. <i>Plant Biology</i> , 2015, 17, 825-830.	3.8	17
135	Enhanced HIV-1 Reverse Transcriptase Inhibitory and Antibacterial Properties in Callus of <i>Catha edulis</i> Forsk.. <i>Phytotherapy Research</i> , 2015, 29, 840-843.	5.8	6
136	Antimicrobial, Anthelmintic Activities and Characterisation of Functional Phenolic Acids of <i>Achyranthes aspera</i> Linn.: A Medicinal Plant Used for the Treatment of Wounds and Ringworm in East Africa. <i>Frontiers in Pharmacology</i> , 2015, 6, 274.	3.5	33
137	Mechanistic Insights to the Cytotoxicity of Amaryllidaceae Alkaloids. <i>Natural Product Communications</i> , 2015, 10, 1934578X1501000.	0.5	8
138	Genotoxicity testing of 3,4,5-trimethylfuran-2(5H)-one, a compound from plant-derived smoke with germination inhibitory activity. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2015, 778, 1-5.	1.7	7
139	Investigation of skin permeation, ex vivo inhibition of venom-induced tissue destruction, and wound healing of African plants used against snakebites. <i>Journal of Ethnopharmacology</i> , 2015, 165, 1-8.	4.1	10
140	Smoke-Isolated Trimethylbutenolide Inhibits Seed Germination of Different Weed Species by Reducing Amylase Activity. <i>Weed Science</i> , 2015, 63, 312-320.	1.5	8
141	Somatic embryogenesis of <i>Pelargonium sidoides</i> DC.. <i>Plant Cell, Tissue and Organ Culture</i> , 2015, 121, 571-577.	2.3	37
142	Enhancing Phytoremediation Potential of <i>Pennisetum clandestinum</i> Hochst in Cadmium-Contaminated Soil Using Smoke-Water and Smoke-Isolated Karrikinolide. <i>International Journal of Phytoremediation</i> , 2015, 17, 1046-1052.	3.1	10
143	Seasonal pharmacological properties and alkaloid content in <i>Cyrtanthus contractus</i> N.E. Br.. <i>South African Journal of Botany</i> , 2015, 97, 69-76.	2.5	18
144	Eckol Improves Growth, Enzyme Activities, and Secondary Metabolite Content in Maize (<i>Zea mays</i> cv.) Tj ETQq0 0 Q rgBT /Overlock 10 T	5.1	29

#	ARTICLE	IF	CITATIONS
145	Physiological and biochemical effects of a tetrahydropyranyl-substituted meta-topolin in micropropagated <i>Merwillia plumbea</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2015, 121, 579-590.	2.3	23
146	<i>Securidaca longipedunculata</i> Fresen (Polygalaceae): A review of its ethnomedicinal uses, phytochemistry, pharmacological properties and toxicology. <i>Journal of Ethnopharmacology</i> , 2015, 165, 215-226.	4.1	48
147	Transition from in vitro to an ex vitro environment: is the metabolism altered?. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2015, 51, 166-173.	2.1	5
148	Medicinal plants: An invaluable, dwindling resource in sub-Saharan Africa. <i>Journal of Ethnopharmacology</i> , 2015, 174, 595-606.	4.1	87
149	Manipulation of nitrogen levels and mode of cultivation are viable methods to improve the lipid, fatty acids, phytochemical content, and bioactivities in <i>Chlorella minutissima</i> . <i>Journal of Phycology</i> , 2015, 51, 659-669.	2.3	23
150	Effects of Cd and Al stress on secondary metabolites, antioxidant and antibacterial activity of <i>Hypoxis hemerocallidea</i> Fisch. & C.A. Mey. <i>Plant Physiology and Biochemistry</i> , 2015, 97, 147-155.	5.8	43
151	Ethnobotany, therapeutic value, phytochemistry and conservation status of <i>Bowiea volubilis</i> : A widely used bulbous plant in southern Africa. <i>Journal of Ethnopharmacology</i> , 2015, 174, 308-316.	4.1	10
152	Dissecting the role of two cytokinin analogues (INCYDE and PI-55) on in vitro organogenesis, phytohormone accumulation, phytochemical content and antioxidant activity. <i>Plant Science</i> , 2015, 238, 81-94.	3.6	19
153	Evidence of phytohormones and phenolic acids variability in garden-waste-derived vermicompost leachate, a well-known plant growth stimulant. <i>Plant Growth Regulation</i> , 2015, 75, 483-492.	3.4	58
154	Embryogenesis and synthetic seed production in <i>Mondia whitei</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2015, 121, 205-214.	2.3	31
155	Phenolic profiles, antioxidant capacity, and acetylcholinesterase inhibitory activity of eight South African seaweeds. <i>Journal of Applied Phycology</i> , 2015, 27, 1599-1605.	2.8	29
156	Eckol - a new plant growth stimulant from the brown seaweed <i>Ecklonia maxima</i> . <i>Journal of Applied Phycology</i> , 2015, 27, 581-587.	2.8	75
157	In vitro regeneration of <i>Cyrtanthus</i> species: ornamental plants with medicinal benefits. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2015, 51, 42-51.	2.1	10
158	Growth and phytochemical levels in micropropagated <i>Eucomis autumnalis</i> subspecies <i>autumnalis</i> using different gelling agents, explant source, and plant growth regulators. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2015, 51, 102-110.	2.1	24
159	A Review of <i>Swertia chirayita</i> (Gentianaceae) as a Traditional Medicinal Plant. <i>Frontiers in Pharmacology</i> , 2015, 6, 308.	3.5	126
160	Cytotoxicity Studies of Lycorine Alkaloids of the Amaryllidaceae. <i>Natural Product Communications</i> , 2014, 9, 1934578X1400900.	0.5	31
161	Crinane Alkaloids of the Amaryllidaceae with Cytotoxic Effects in Human Cervical Adenocarcinoma (HeLa) Cells. <i>Natural Product Communications</i> , 2014, 9, 1934578X1400900.	0.5	6
162	Biochemical changes associated with gibberellic acid-like activity of smoke-water, karrikinolide and vermicompost leachate during seedling development of <i>Phaseolus vulgaris</i> L.. <i>Seed Science Research</i> , 2014, 24, 63-70.	1.7	21

#	ARTICLE	IF	CITATIONS
163	Antimycobacterial, anti-inflammatory and genotoxicity evaluation of plants used for the treatment of tuberculosis and related symptoms in South Africa. <i>Journal of Ethnopharmacology</i> , 2014, 153, 386-391.	4.1	42
164	Abscisic acid, gibberellins and brassinosteroids in Kelpak [®] , a commercial seaweed extract made from <i>Ecklonia maxima</i> . <i>Journal of Applied Phycology</i> , 2014, 26, 561-567.	2.8	155
165	Physiological effects of a novel aromatic cytokinin analogue in micropropagated <i>Aloe arborescens</i> and <i>Harpagophytum procumbens</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2014, 116, 17-26.	2.3	43
166	Effect of light on growth and endogenous hormones in <i>Chlorella minutissima</i> (Trebouxiophyceae). <i>Plant Physiology and Biochemistry</i> , 2014, 79, 66-76.	5.8	77
167	Influence of culture age on the phytochemical content and pharmacological activities of five <i>Scenedesmus</i> strains. <i>Journal of Applied Phycology</i> , 2014, 26, 407-415.	2.8	16
168	Physiological and phytochemical responses of three nutrient-stressed bulbous plants subjected to vermicompost leachate treatment. <i>Acta Physiologiae Plantarum</i> , 2014, 36, 721-731.	2.1	31
169	Evaluation of the allelopathic potential of five South African mesic grassland species. <i>Plant Growth Regulation</i> , 2014, 72, 155-162.	3.4	10
170	Photoperiod and plant growth regulator combinations influence growth and physiological responses in <i>Pelargonium sidoides</i> DC.. In <i>Vitro Cellular and Developmental Biology - Plant</i> , 2014, 50, 487-492.	2.1	9
171	Medicinal properties and conservation of <i>Pelargonium sidoides</i> DC.. <i>Journal of Ethnopharmacology</i> , 2014, 152, 243-255.	4.1	77
172	Anti-inflammatory, antioxidant, anti-cholinesterase activity and mutagenicity of South African medicinal orchids. <i>South African Journal of Botany</i> , 2014, 91, 88-98.	2.5	43
173	Plant growth promoting activity of seaweed liquid extracts produced from <i>Macrocystis pyrifera</i> under different pH and temperature conditions. <i>Journal of Applied Phycology</i> , 2014, 26, 2203-2210.	2.8	51
174	Traditional usage, phytochemistry and pharmacology of the South African medicinal plant <i>Boophone disticha</i> (L.f.) Herb. (Amaryllidaceae). <i>Journal of Ethnopharmacology</i> , 2014, 151, 12-26.	4.1	49
175	Effect of a novel aromatic cytokinin derivative on phytochemical levels and antioxidant potential in greenhouse grown <i>Merwillia plumbea</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2014, 119, 501-509.	2.3	9
176	Hyaluronidase, phospholipase A2 and protease inhibitory activity of plants used in traditional treatment of snakebite-induced tissue necrosis in Mali, DR Congo and South Africa. <i>Journal of Ethnopharmacology</i> , 2014, 157, 171-180.	4.1	48
177	Advances in algal drug research with emphasis on enzyme inhibitors. <i>Biotechnology Advances</i> , 2014, 32, 1364-1381.	11.7	39
178	Isolation and characterization of antimicrobial compounds from <i>Terminalia phanerophlebia</i> Engl. & Diels leaf extracts. <i>Journal of Ethnopharmacology</i> , 2014, 156, 228-234.	4.1	17
179	Plant growth regulator induced phytochemical and antioxidant variations in micropropagated and acclimatized <i>Eucomis autumnalis</i> subspecies <i>autumnalis</i> (Asparagaceae). <i>Acta Physiologiae Plantarum</i> , 2014, 36, 2467-2479.	2.1	13
180	Plant regeneration and biochemical accumulation of hydroxybenzoic and hydroxycinnamic acid derivatives in <i>Hypoxis hemerocallidea</i> organ and callus cultures. <i>Plant Science</i> , 2014, 227, 157-164.	3.6	36

#	ARTICLE	IF	CITATIONS
181	Macrocystis angustifolia is a potential source of enzyme inhibitors linked to type 2 diabetes and dementia. Journal of Applied Phycology, 2014, 26, 1557-1563.	2.8	7
182	Plant regeneration via somatic embryogenesis in Drimia robusta. Plant Cell, Tissue and Organ Culture, 2014, 119, 281-288.	2.3	13
183	Unraveling the medicinal potential of South African Aloe species. Journal of Ethnopharmacology, 2014, 153, 19-41.	4.1	45
184	Carbon-15-nitrogen ratio and in-vitro assimilate partitioning patterns in Cyrtanthus guthrieae L. Plant Physiology and Biochemistry, 2014, 74, 246-254.	5.8	8
185	Pharmacological potential and conservation prospect of the genus Eucomis (Hyacinthaceae) endemic to southern Africa. Journal of Ethnopharmacology, 2014, 151, 44-53.	4.1	27
186	How does exogenously applied cytokinin type affect growth and endogenous cytokinins in micropropagated Merwillia plumbea?. Plant Cell, Tissue and Organ Culture, 2014, 118, 245-256.	2.3	30
187	Seed germination and phytochemical evaluation in seedlings of <i>Aloe arborescens</i> Mill.. Plant Biosystems, 2014, 148, 460-466.	1.6	19
188	Crinane alkaloids of the amaryllidaceae with cytotoxic effects in human cervical adenocarcinoma (HeLa) cells. Natural Product Communications, 2014, 9, 461-6.	0.5	9
189	Cytotoxicity studies of lycorine alkaloids of the Amaryllidaceae. Natural Product Communications, 2014, 9, 1193-210.	0.5	41
190	Ethylene- and dark-induced flower abscission in potted Plectranthus: Sensitivity, prevention by 1-MCP, and expression of ethylene biosynthetic genes. South African Journal of Botany, 2013, 87, 39-47.	2.5	6
191	Ethnobotany, ethnopharmacology and toxicity of Jatropha curcas L. (Euphorbiaceae): A review. South African Journal of Botany, 2013, 88, 204-218.	2.5	97
192	Seedlings of medicinal plants treated with either a cytokinin antagonist (PI-55) or an inhibitor of cytokinin degradation (INCYDE) are protected against the negative effects of cadmium. Plant Growth Regulation, 2013, 71, 137-145.	3.4	44
193	Pharmacological and toxicological insights to the South African Amaryllidaceae. Food and Chemical Toxicology, 2013, 62, 262-275.	3.6	83
194	Lipid productivity and fatty acid composition in Chlorella and Scenedesmus strains grown in nitrogen-stressed conditions. Journal of Applied Phycology, 2013, 25, 233-243.	2.8	36
195	Necessity of gibberellin for stimulatory effect of KAR1 on germination of dormant Avena fatua L. caryopses. Acta Physiologiae Plantarum, 2013, 35, 379-387.	2.1	21
196	Shoot proliferation and rooting treatments influence secondary metabolite production and antioxidant activity in tissue culture-derived Aloe arborescens grown ex vitro. Plant Growth Regulation, 2013, 70, 115-122.	3.4	33
197	Micropropagation of Anacardiaceae species of economic importance: advances and future prospects. In Vitro Cellular and Developmental Biology - Plant, 2013, 49, 85-96.	2.1	8
198	Auxin and cytokinin relationships in 24 microalgal strains. Journal of Phycology, 2013, 49, 459-467.	2.3	150

#	ARTICLE	IF	CITATIONS
199	In vitro propagation, proscillaridin A production and antibacterial activity in <i>Drimys robusta</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2013, 114, 259-267.	2.3	28
200	Hormone profiles in microalgae: Gibberellins and brassinosteroids. <i>Plant Physiology and Biochemistry</i> , 2013, 70, 348-353.	5.8	108
201	Garden-waste-vermicompost leachate alleviates salinity stress in tomato seedlings by mobilizing salt tolerance mechanisms. <i>Plant Growth Regulation</i> , 2013, 71, 41-47.	3.4	38
202	Influence of plant growth regulators on shoot proliferation and secondary metabolite production in micropropagated <i>Huernia hystrix</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2013, 112, 249-256.	2.3	66
203	PLANT-DERIVED AEROSOL-SMOKE AND SMOKE SOLUTIONS INFLUENCE AGRONOMIC PERFORMANCE OF A TRADITIONAL CEREAL CROP, TEF. <i>Experimental Agriculture</i> , 2013, 49, 244-255.	0.9	8
204	Smoke-water and karrikinolide (KAR1) foliar applications promote seedling growth and photosynthetic pigments of the biofuel seed crop <i>Jatropha curcas</i> L. <i>Journal of Plant Nutrition and Soil Science</i> , 2013, 176, n/a-n/a.	1.9	2
205	Alkaloids of the South African Amaryllidaceae: A Review. <i>Natural Product Communications</i> , 2013, 8, 1934578X1300800.	0.5	39
206	Alkaloids from <i>Boophone haemanthoides</i> (Amaryllidaceae). <i>Natural Product Communications</i> , 2013, 8, 1934578X1300801.	0.5	5
207	Cytotoxic Agents of the Crinane Series of Amaryllidaceae Alkaloids. <i>Natural Product Communications</i> , 2013, 8, 1934578X1300800.	0.5	3
208	Alkaloids from <i>Boophone haemanthoides</i> (Amaryllidaceae). <i>Natural Product Communications</i> , 2013, 8, 1705-10.	0.5	10
209	Seasonal variation in the polyamines of <i>Ecklonia maxima</i> . <i>Botanica Marina</i> , 2012, 55, .	1.2	35
210	Topolins in <i>Pelargonium sidoides</i> micropropagation: do the new brooms really sweep cleaner?. <i>Plant Cell, Tissue and Organ Culture</i> , 2012, 110, 319-327.	2.3	23
211	Apoptosis-inducing effects of distichamine and narciprimine, rare alkaloids of the plant family Amaryllidaceae. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 6195-6199.	2.2	56
212	Shoot and root proliferation in 'Williams' banana: are the topolins better cytokinins?. <i>Plant Cell, Tissue and Organ Culture</i> , 2012, 111, 209-218.	2.3	17
213	Molecular aspects of the antagonistic interaction of smoke-derived butenolides on the germination process of <i>Geraanium</i> and <i>Rapids</i> lettuce (<i>Lactuca sativa</i>) achenes. <i>New Phytologist</i> , 2012, 196, 1060-1073.	7.3	29
214	Assessment of the role of meta-topolins on in vitro produced phenolics and acclimatization competence of micropropagated 'Williams' banana. <i>Acta Physiologiae Plantarum</i> , 2012, 34, 2265-2273.	2.1	64
215	Cytotoxic Agents of the Crinane Series of Amaryllidaceae Alkaloids. <i>Natural Product Communications</i> , 2012, 7, 1934578X1200701.	0.5	24
216	In vitro plant regeneration, secondary metabolite production and antioxidant activity of micropropagated <i>Aloe arborescens</i> Mill. <i>Plant Cell, Tissue and Organ Culture</i> , 2012, 111, 345-358.	2.3	109

#	ARTICLE	IF	CITATIONS
217	Interaction of karrikinolide and ethylene in controlling germination of dormant <i>Avena fatua</i> L. caryopses. <i>Plant Growth Regulation</i> , 2012, 67, 185-190.	3.4	21
218	In vitro propagation and secondary product production by <i>Merwilla plumbea</i> (Lindl.) Speta. <i>Plant Growth Regulation</i> , 2012, 67, 235-245.	3.4	50
219	Stimulatory role of smoke-water and karrikinolide on the photosynthetic pigment and phenolic contents of micropropagated "Williams" bananas. <i>Plant Growth Regulation</i> , 2012, 67, 271-279.	3.4	32
220	Changes in lipid, protein and pigment concentrations in nitrogen-stressed <i>Chlorella minutissima</i> cultures. <i>Journal of Applied Phycology</i> , 2012, 24, 907-914.	2.8	132
221	Somatic embryogenesis of <i>Merwilla plumbea</i> (Lindl.) Speta. <i>Plant Cell, Tissue and Organ Culture</i> , 2012, 109, 517-524.	2.3	25
222	Effects of temperature, light, nutrients and smoke-water on seed germination and seedling growth of <i>Astragalus membranaceus</i> , <i>Panax notoginseng</i> and <i>Magnolia officinalis</i> " Highly traded Chinese medicinal plants. <i>South African Journal of Botany</i> , 2012, 79, 62-70.	2.5	28
223	Topolins: A panacea to plant tissue culture challenges?. <i>Plant Cell, Tissue and Organ Culture</i> , 2012, 108, 1-16.	2.3	147
224	Growth stimulation effects of smoke-water and vermicompost leachate on greenhouse grown-tissue-cultured "Williams" bananas. <i>Plant Growth Regulation</i> , 2012, 66, 111-118.	3.4	29
225	Cytotoxic agents of the crinane series of amaryllidaceae alkaloids. <i>Natural Product Communications</i> , 2012, 7, 1677-88.	0.5	33
226	Plant composition, pharmacological properties and mutagenic evaluation of a commercial Zulu herbal mixture: <i>Imbiza ephuzwato</i> . <i>Journal of Ethnopharmacology</i> , 2011, 133, 663-674.	4.1	54
227	Isolation of narciprimine from <i>Cyrtanthus contractus</i> (Amaryllidaceae) and evaluation of its acetylcholinesterase inhibitory activity. <i>Journal of Ethnopharmacology</i> , 2011, 137, 1102-1106.	4.1	47
228	The ethnobotany of South African medicinal orchids. <i>South African Journal of Botany</i> , 2011, 77, 2-9.	2.5	42
229	Seasonal variation in antimicrobial and phytochemical properties of frequently used medicinal bulbous plants from South Africa. <i>South African Journal of Botany</i> , 2011, 77, 387-396.	2.5	81
230	Changes in endogenous cytokinin profiles in micropropagated <i>Harpagophytum procumbens</i> in relation to shoot-tip necrosis and cytokinin treatments. <i>Plant Growth Regulation</i> , 2011, 63, 105-114.	3.4	51
231	In vitro pharmacological evaluation and phenolic content of ten South African medicinal plants used as anthelmintics. <i>South African Journal of Botany</i> , 2010, 76, 558-566.	2.5	59
232	Phenolic composition, antioxidant and acetylcholinesterase inhibitory activities of <i>Sclerocarya birrea</i> and <i>Harpephyllum caffrum</i> (Anacardiaceae) extracts. <i>Food Chemistry</i> , 2010, 123, 69-76.	8.2	111
233	In vitro asymbiotic seed germination and seedling growth of <i>Ansellia africana</i> Lindl.. <i>Scientia Horticulturae</i> , 2010, 123, 496-504.	3.6	33
234	Butenolides from Plant-Derived Smoke: Natural Plant-Growth Regulators with Antagonistic Actions on Seed Germination. <i>Journal of Natural Products</i> , 2010, 73, 267-269.	3.0	95

#	ARTICLE	IF	CITATIONS
235	The effect of medium, carbon source and explant on regeneration and control of shoot-tip necrosis in <i>Harpagophytum procumbens</i> . <i>South African Journal of Botany</i> , 2009, 75, 117-121.	2.5	32
236	Smoke Solutions and Temperature Influence the Germination and Seedling Growth of South African Mesic Grassland Species. <i>Rangeland Ecology and Management</i> , 2009, 62, 572-578.	2.3	28
237	Cytokinin-and auxin-like activity of a butenolide isolated from plant-derived smoke. <i>South African Journal of Botany</i> , 2008, 74, 327-331.	2.5	32
238	Germination and seedling growth requirements for propagation of <i>Dioscorea dregeana</i> (Kunth) Dur. and Schinz " A tuberous medicinal plant. <i>South African Journal of Botany</i> , 2007, 73, 131-137.	2.5	46
239	Aerosol Smoke and Smoke-Water Stimulation of Seedling Vigor of a Commercial Maize Cultivar. <i>Crop Science</i> , 2006, 46, 1336-1340.	1.8	54
240	Stimulation of Rice (<i>Oryza sativa</i> L.) Seedling Vigour by Smoke-water and Butenolide. <i>Journal of Agronomy and Crop Science</i> , 2006, 192, 395-398.	3.5	79
241	Quantitative structure-activity relationship studies on acetylcholinesterase enzyme inhibitory effects of Amaryllidaceae alkaloids. <i>South African Journal of Botany</i> , 2006, 72, 224-231.	2.5	36
242	Improving seedling vigour of indigenous medicinal plants with smoke. <i>Bioresource Technology</i> , 2005, 96, 1323-1330.	9.6	81
243	On the origin of southern African subtropical thicket vegetation. <i>South African Journal of Botany</i> , 2005, 71, 1-23.	2.5	99
244	Antibacterial, anti-inflammatory, anti-cholinesterase and mutagenic effects of extracts obtained from some trees used in South African traditional medicine. <i>Journal of Ethnopharmacology</i> , 2005, 102, 457-464.	4.1	175
245	Smoke seed germination studies and a guide to seed propagation of plants from the major families of the Cape Floristic Region, South Africa. <i>South African Journal of Botany</i> , 2004, 70, 559-581.	2.5	80
246	Towards a standardised terminology for taxonomically important morphological characters in the Umbelliferae. <i>South African Journal of Botany</i> , 2004, 70, 488-496.	2.5	56
247	Screening microalgae for some potentially useful agricultural and pharmaceutical secondary metabolites. <i>Journal of Applied Phycology</i> , 2004, 16, 309-314.	2.8	102
248	Patterns in the seed germination response to smoke in plants from the Cape Floristic Region, South Africa. <i>South African Journal of Botany</i> , 2003, 69, 514-525.	2.5	72
249	Alkaloids from <i>Cyrtanthus falcatus</i> . <i>South African Journal of Botany</i> , 2003, 69, 593-594.	2.5	15
250	A review of ethnobotanical research in southern Africa. <i>South African Journal of Botany</i> , 2002, 68, 1-13.	2.5	30
251	Pharmacological and phytochemical screening of two Hyacinthaceae species: <i>Scilla natalensis</i> and <i>Ledebouria ovatifolia</i> . <i>Journal of Ethnopharmacology</i> , 2002, 80, 95-101.	4.1	45
252	Dual regulation of seed germination by smoke solutions. <i>Plant Growth Regulation</i> , 2002, 37, 135-141.	3.4	65

#	ARTICLE	IF	CITATIONS
253	Crinum species in traditional and modern medicine. <i>Journal of Ethnopharmacology</i> , 2001, 78, 15-26.	4.1	113
254	Cryopreservation and plant regeneration from somatic embryos of <i>Pinus patula</i> . <i>Plant Cell Reports</i> , 2000, 19, 610-615.	5.6	37
255	The development of harvesting schedules and post-harvesting management practices relative to oil yield of <i>Eriosephalus punctulatus</i> . <i>South African Journal of Plant and Soil</i> , 2000, 17, 15-19.	1.1	1
256	The effect of clone type and method of transportation on oil yield from vegetative material of <i>Eriosephalus punctulatus</i> . <i>South African Journal of Plant and Soil</i> , 2000, 17, 10-14.	1.1	0
257	Alkaloids from <i>Crinum bulbispermum</i> . <i>Phytochemistry</i> , 1999, 52, 533-536.	2.9	35
258	Pollination of seven <i>Plectranthus</i> spp. (Lamiaceae) in southern Natal, South Africa. <i>Plant Systematics and Evolution</i> , 1999, 218, 99-112.	0.9	26
259	IDENTIFICATION OF THE CYTOKININ ISOPENTENYLADENINE IN A STRAIN OF <i>ARTHRONEMA AFRICANUM</i> (CYANOBACTERIA). <i>Journal of Phycology</i> , 1999, 35, 89-92.	2.3	44
260	Effect of activated charcoal, autoclaving and culture media on sucrose hydrolysis. <i>Plant Growth Regulation</i> , 1999, 29, 135-141.	3.4	24
261	The use of acetaldehyde to control carnation flower longevity. <i>Plant Growth Regulation</i> , 1999, 28, 175-178.	3.4	8
262	The effects of deflowering and defruiting on growth and senescence of <i>Bidens pilosa</i> L.. <i>South African Journal of Botany</i> , 1999, 65, 86-88.	2.5	7
263	Micropropagation of members of the Hyacinthaceae with medicinal and ornamental potential - A review. <i>South African Journal of Botany</i> , 1999, 65, 361-369.	2.5	15
264	Title is missing!. <i>Plant Growth Regulation</i> , 1998, 24, 55-66.	3.4	82
265	Plant-derived smoke solutions stimulate the growth of <i>Lycopersicon esculentum</i> roots in vitro. <i>Plant Growth Regulation</i> , 1998, 26, 77-83.	3.4	33
266	Micropropagation of the medicinal plant, <i>Scilla natalensis</i> Planch.. <i>Plant Growth Regulation</i> , 1998, 25, 177-180.	3.4	24
267	Cold treatment, as part of the process, improves explant decontamination. <i>Plant Growth Regulation</i> , 1998, 26, 203-205.	3.4	4
268	The role of ethanol and acetaldehyde in flower senescence and fruit ripening – A review. <i>Plant Growth Regulation</i> , 1998, 26, 183-189.	3.4	42
269	Rejuvenation and micropropagation of adult <i>Acacia mearnsii</i> using coppice material. <i>Plant Growth Regulation</i> , 1998, 26, 149-153.	3.4	24
270	Effect of a seaweed concentrate on acclimatization of in vitro grown plantlets of <i>Kniphofia pauciflora</i> and <i>Scilla krausii</i> . <i>South African Journal of Botany</i> , 1998, 64, 262-264.	2.5	8

#	ARTICLE	IF	CITATIONS
271	Effects of plant growth regulators on drought resistance of two maize cultivars. South African Journal of Botany, 1998, 64, 116-120.	2.5	36
272	New editorial dispensation of the South African Journal of Botany. South African Journal of Botany, 1998, 64, 369-370.	2.5	2
273	Micropropagation of Babiana Spp.. South African Journal of Botany, 1998, 64, 88-90.	2.5	7
274	In vitro propagation of some Cyrtanthus species. South African Journal of Botany, 1998, 64, 228-231.	2.5	7
275	Formation of adventitious shoots directly on zygotic embryos of Podocarpus henkelii. South African Journal of Botany, 1998, 64, 368-369.	2.5	2
276	Screening of some South African seaweeds for cytokinin-like activity. South African Journal of Botany, 1997, 63, 161-164.	2.5	12
277	The effect of a seaweed application on the rooting of pine cuttings. South African Journal of Botany, 1997, 63, 141-145.	2.5	13
278	Screening of South African lichens for prostaglandin-synthesis inhibitors. South African Journal of Botany, 1997, 63, 300-302.	2.5	1
279	Title is missing!. Plant Growth Regulation, 1997, 22, 175-180.	3.4	6
280	Micropropagation and establishment of Yucca aloifolia. Plant Cell, Tissue and Organ Culture, 1997, 48, 209-212.	2.3	11
281	Cytokinin oxidase activity in habituated and non-habituated soybean callus. Plant Growth Regulation, 1997, 22, 203-206.	3.4	14
282	Smoke as a germination cue: a review. Plant Growth Regulation, 1997, 22, 115-124.	3.4	183
283	The molecular basis of cytokinin action. Plant Growth Regulation, 1997, 23, 41-78.	3.4	60
284	Phytochrome and cytokinin responses. Plant Growth Regulation, 1997, 23, 105-122.	3.4	44
285	The involvement of cytokinins in plant responses to environmental stress. Plant Growth Regulation, 1997, 23, 79-103.	3.4	192
286	Title is missing!. Journal of Applied Phycology, 1997, 9, 327-330.	2.8	54
287	Prostaglandin Synthesis Inhibitory Activity in Zulu, Xhosa and Sotho Medicinal Plants. Phytotherapy Research, 1997, 11, 113-117.	5.8	78
288	Somatic embryogenesis in Encephalartos cycadifolius. Plant Cell Reports, 1996, 15, 437-440.	5.6	11

#	ARTICLE	IF	CITATIONS
289	In vitro propagation of <i>Kniphofia pauciflora</i> Bak. for conservation purposes. <i>South African Journal of Botany</i> , 1996, 62, 219-221.	2.5	6
290	Comparison of cytokinin- and auxin-like activity in some commercially used seaweed extracts. <i>Journal of Applied Phycology</i> , 1996, 8, 503-508.	2.8	101
291	Root initiation in <i>Vigna radiata</i> (L.) Wilczek hypocotyl cuttings is stimulated by smoke-derived extracts. <i>Plant Growth Regulation</i> , 1996, 18, 165-168.	3.4	45
292	Biochemical comparisons of habituated and non-habituated callus lines of <i>Glycine max</i> (L.) cv. Acme. <i>Plant Growth Regulation</i> , 1996, 18, 223-231.	3.4	8
293	Effect of a plant-derived smoke extract, N ⁶ -benzyladenine and gibberellic acid on the thermodormancy of lettuce seeds. <i>Plant Growth Regulation</i> , 1996, 19, 97-100.	3.4	17
294	The effect of ethylene, octanoic acid and a plant-derived smoke extract on the germination of light-sensitive lettuce seeds. <i>Plant Growth Regulation</i> , 1996, 19, 197-201.	3.4	37
295	Somatic embryogenesis and organogenesis in <i>Encephalartos dyerianus</i> and <i>E. natalensis</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 1996, 45, 99-102.	2.3	7
296	The effect of a plant-derived smoke extract on the germination of light-sensitive lettuce seed. <i>Plant Growth Regulation</i> , 1995, 16, 205-209.	3.4	116
297	Metabolism of [8-14]6-(benzylamino)purine by individual carnation flower components. <i>Plant Growth Regulation</i> , 1995, 16, 65-71.	3.4	0
298	The in vitro production of an anthocyanin from callus cultures of <i>Oxalis linearis</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 1995, 40, 55-58.	2.3	73
299	Effect of seaweed concentrate on growth and development of the marigold <i>Tagetes patula</i> . <i>Journal of Applied Phycology</i> , 1994, 6, 427-428.	2.8	23
300	Effect of seaweed concentrate on yield of nutrient-stressed tepary bean (<i>Phaseolus acutifolius</i> Gray). <i>Journal of Applied Phycology</i> , 1994, 6, 429-430.	2.8	32
301	Chemical composition of pods and seeds of <i>Dichrostachys cinerea</i> as a basis of seed dispersal. <i>Plant Growth Regulation</i> , 1994, 14, 273-277.	3.4	0
302	Plant-derived smoke: an effective seed pre-treatment. <i>Plant Growth Regulation</i> , 1994, 14, 279-282.	3.4	62
303	The effect of seaweed concentrate on the growth of <i>Pinus pinea</i> seedlings. <i>New Forests</i> , 1994, 8, 279-288.	1.7	38
304	Commercial Seaweed Products as Biostimulants in Horticulture. <i>Journal of Home & Consumer Horticulture</i> , 1993, 1, 19-76.	0.2	79
305	The Effect of Thidiazuron on the Yield of Salinity Stressed Wheat. <i>Annals of Botany</i> , 1992, 70, 47-51.	2.9	4
306	Bagworms (Lepidoptera: Psychidae): potential pests of guayule (<i>Parthenium argentatum</i> Gray) plantations in southern Africa. <i>South African Journal of Plant and Soil</i> , 1992, 9, 159-162.	1.1	2

#	ARTICLE	IF	CITATIONS
307	Metabolism of ribosylzeatin-5- ϵ^2 -monophosphate by soybean callus. <i>Plant Growth Regulation</i> , 1992, 11, 189-191.	3.4	3
308	Effect of gibberellic acid on carnation flower senescence: evidence that the delay of carnation flower senescence by gibberellic acid depends on the stage of flower development. <i>Plant Growth Regulation</i> , 1992, 11, 45-51.	3.4	23
309	Seed coat structure and dormancy. <i>Plant Growth Regulation</i> , 1992, 11, 201-209.	3.4	119
310	The effect of ethrel and temperature on the germination of <i>Manihot glaziovii</i> Muell. Arg. seeds. <i>Plant Growth Regulation</i> , 1992, 11, 273-275.	3.4	3
311	The effect of thidiazuron on the yield of wheat grown with varying nutrient supply. <i>Plant Growth Regulation</i> , 1992, 11, 343-348.	3.4	4
312	Effect of seaweed concentrate on the establishment and yield of greenhouse tomato plants. <i>Journal of Applied Phycology</i> , 1992, 4, 291-296.	2.8	119
313	The effect of galls induced by the gall fly <i>Procecidochares utilis</i> on vegetative growth and reproductive potential of crofton weed, <i>Ageratina adenophora</i> . <i>Annals of Applied Biology</i> , 1992, 120, 173-181.	2.5	20
314	The effect of micronutrient supply on the growth and seed production of guayule (<i>Parthenium</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 46	2.5	0
315	Time and Site of Inoculation of Maize for Optimum Infection of Ears by <i>Stenocarpella maydis</i> . <i>Journal of Phytopathology</i> , 1992, 136, 265-269.	1.0	21
316	Ultrastructural Histopathology of Infection and Colonization of Maize by <i>Stenocarpella maydis</i> (=) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 14	1.0	14
317	Evidence for rooting factors in a seaweed concentrate prepared from <i>Ecklonia maxima</i> . <i>Journal of Plant Physiology</i> , 1991, 137, 319-322.	3.5	62
318	Improved germination in seeds of guayule (<i>Parthenium argentatum</i> Gray) following polyethylene glycol and gibberellic acid pretreatments. <i>Annals of Applied Biology</i> , 1991, 118, 175-184.	2.5	12
319	A critical evaluation of peroxidase profiles in <i>Parthenium argentatum</i> . <i>Biochemical Genetics</i> , 1991, 29, 125-134.	1.7	1
320	Rapid in vitro propagation of <i>Aloe barbadensis</i> Mill. <i>Plant Cell, Tissue and Organ Culture</i> , 1991, 26, 167-171.	2.3	43
321	The In Vitro Flowering of <i>Kalanchoe blossfeldiana</i> Poellniz. II. The Effects of Growth Regulators and Gallic Acid. <i>Plant and Cell Physiology</i> , 1990, , .	3.1	3
322	The effect of seaweed concentrate on the growth and yield of potassium stressed wheat. <i>Plant and Soil</i> , 1989, 116, 29-36.	3.7	55
323	The effect of 6-benzyladenine derivatives on the rooting of <i>Phaseolus vulgaris</i> L. primary leaf cuttings. <i>Plant Growth Regulation</i> , 1989, 8, 289-296.	3.4	8
324	The in vitro metabolism of [8- 14 C]benzyladenine by excised organs of tomato plants. <i>Plant Growth Regulation</i> , 1989, 8, 193-204.	3.4	10

#	ARTICLE	IF	CITATIONS
325	The induction and evocation of flowering in vitro. South African Journal of Botany, 1988, 54, 325-344.	2.5	22
326	Cytokinins in cut carnation flowers. II. Relationship between endogenous ethylene and cytokinin levels in the petals. Plant Growth Regulation, 1987, 5, 75-86.	3.4	29
327	The uptake, transport and metabolism of the bioregulator 2-(3,4-dichlorophenoxy) ethyldimethylamine in guayule. Plant Growth Regulation, 1987, 5, 25-39.	3.4	1
328	Hypoxoside production in tissue cultures of Hypoxis rooperi. Plant Cell, Tissue and Organ Culture, 1987, 9, 131-136.	2.3	10
329	Germination of Chromolaena odorata (L.) K. & R. achenes: effect of storage, harvest locality and the pericarp. Weed Research, 1987, 27, 113-118.	1.7	5
330	The effect of Alar (succinic acid 2,2-dimethylhydrazide) on the growth of cassava (Manihot esculenta) under subtropical conditions. South African Journal of Plant and Soil, 1986, 3, 49-51.	1.1	0
331	Screening of candidate herbicides in field trials for chemical control of <i>Chromolaena odorata</i> . South African Journal of Plant and Soil, 1986, 3, 66-70.	1.1	3
332	Germination of Chromolaena odorata (L.) K. & R. achenes: effect of temperature, imbibition and light. Weed Research, 1986, 26, 75-82.	1.7	17
333	An evaluation of the problem of volunteer ryegrass in seed production. South African Journal of Plant and Soil, 1985, 2, 157-160.	1.1	0
334	Anatomical and ultrastructural changes associated with ethylene-induced defoliation of guayule explants. Plant Growth Regulation, 1985, 3, 149-158.	3.4	3
335	Metabolism of kinetin by soybean callus. Plant Growth Regulation, 1985, 3, 167-178.	3.4	7
336	A complex dormancy mechanism in seeds of the weed <i>Rubus cuneifolius</i> . South African Journal of Plant and Soil, 1984, 1, 48-50.	1.1	2
337	Adenine Incorporation into Cytokinins in Aseptically Cultured Tomato Roots. Journal of Plant Physiology, 1984, 117, 249-255.	3.5	6
338	Seeds and cytokinins. Physiologia Plantarum, 1983, 58, 340-346.	5.2	48
339	Cytokinins in Germinating Seeds of <i>Phaseolus vulgaris</i> L. II. Transport and Metabolism of 8[14C]-Zeatin Applied to the Radicle. Annals of Botany, 1982, 49, 693-699.	2.9	14
340	Senescence of cut carnation flowers: Ovary development and CO ₂ fixation. Plant Growth Regulation, 1982, 1, 221-232.	3.4	19
341	The metabolism of 6-(2,3,4-trihydroxy-3-methylbutylamino) purine by soybean callus. Plant Growth Regulation, 1982, 1, 253-260.	3.4	4
342	The effects of decapitation on the distribution of cytokinins and growth of <i>Phaseolus vulgaris</i> plants. Physiologia Plantarum, 1982, 55, 39-44.	5.2	29

#	ARTICLE	IF	CITATIONS
343	Biological activity of 6-(2,3,4-trihydroxy-3-methylbutylamino)purine, an oxidation product of zeatin. <i>Physiologia Plantarum</i> , 1982, 55, 143-148.	5.2	17
344	Cytokinins in germinating maize caryopses. I. Transport and metabolism of 8[14C]t-zeatin applied to the endosperm. <i>Physiologia Plantarum</i> , 1981, 53, 269-274.	5.2	16
345	Cytokinin activity in <i>Lupinus albus</i> . V. Translocation and metabolism of {8-14C}zeatin applied to the xylem of fruiting plants. <i>Physiologia Plantarum</i> , 1981, 51, 45-48.	5.2	27
346	Cytokinin activity in <i>Lupinus albus</i> . VI. Translocation and metabolism of {8-14C}zeatin applied to the leaves and fruits of fruiting plants. <i>Physiologia Plantarum</i> , 1981, 51, 49-52.	5.2	13
347	Cytokinins in germinating maize caryopses. II. Transport and metabolism of 8[14C]t-zeatin applied to the embryonic axis. <i>Physiologia Plantarum</i> , 1981, 53, 275-278.	5.2	5
348	The effects of root decapitation on lateral root formation and cytokinin production in <i>Pisum sativum</i> . <i>Physiologia Plantarum</i> , 1981, 51, 375-379.	5.2	42
349	The synthesis, transport and metabolism of endogenous cytokinins. <i>Plant, Cell and Environment</i> , 1979, 2, 93-106.	5.7	216
350	Cytokinin Activity in <i>Lupinus albus</i> . I. Distribution in Vegetative and Flowering Plants. <i>Physiologia Plantarum</i> , 1978, 43, 77-81.	5.2	25
351	Cytokinin Activity in <i>Lupinus albus</i> . III. Distribution in Fruits. <i>Physiologia Plantarum</i> , 1978, 43, 87-93.	5.2	40
352	Cytokinin Activity in <i>Lupinus albus</i> . II. Distribution in Fruiting Plants. <i>Physiologia Plantarum</i> , 1978, 43, 82-86.	5.2	22
353	Changes in Endogenous Cytokinin Levels in Kernels of <i>Zea mays</i> L. during Imbibition and Germination. <i>Journal of Experimental Botany</i> , 1978, 29, 1067-1075.	4.8	76
354	A Cytokinin Complex in the Developing Fruits of <i>Lupinus albus</i> . <i>Physiologia Plantarum</i> , 1977, 39, 221-224.	5.2	23
355	Seasonal Changes in the Cytokinin Content of the Leaves of <i>Salix babylonica</i> . <i>Physiologia Plantarum</i> , 1977, 40, 296-299.	5.2	32
356	The Identification of Zeatin Glucoside from Coconut Milk. <i>Physiologia Plantarum</i> , 1976, 36, 123-126.	5.2	45
357	Energy dispersive X-ray analysis of protein bodies in <i>Protea compacta</i> cotyledons. <i>Planta</i> , 1976, 130, 219-221.	3.2	16
358	Cytokinins from soils. <i>Planta</i> , 1976, 130, 85-87.	3.2	20
359	The Effect of Oxygen on Endogenous Cytokinin Levels and Germination of <i>Leucadendron daphnoides</i> Seed. <i>Physiologia Plantarum</i> , 1973, 29, 108-111.	5.2	10
360	The effect of stratification on endogenous cytokinin levels in seeds of <i>Acer saccharum</i> . <i>Planta</i> , 1972, 104, 110-114.	3.2	72

#	ARTICLE	IF	CITATIONS
361	The effect of light on endogenous cytokinin levels in seeds of <i>Rumex obtusifolius</i> . <i>Planta</i> , 1972, 104, 126-133.	3.2	61
362	The Effect of Photoperiod on Levels of Endogenous Cytokinins in <i>Xanthium strumarium</i> . <i>Physiologia Plantarum</i> , 1972, 27, 331-337.	5.2	52
363	Seed priming with smoke water and karrikin improves germination and seedling vigor of <i>Brassica napus</i> under varying environmental conditions. <i>Plant Growth Regulation</i> , 0, , 1.	3.4	5