

Johannes Van Staden

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355
papers

8,164
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47
h-index

68
g-index

368
ext. papers

9,343
ext. citations

3.6
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6.48
L-index

#	Paper	IF	Citations
355	The synthesis, transport and metabolism of endogenous cytokinins. <i>Plant, Cell and Environment</i> , 1979 , 2, 93-106	8.4	187
354	Smoke as a germination cue: a review. <i>Plant Growth Regulation</i> , 1997 , 22, 115-124	3.2	154
353	The involvement of cytokinins in plant responses to environmental stress. <i>Plant Growth Regulation</i> , 1997 , 23, 79-103	3.2	150
352	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, 457-64	5	141
351	Topolins: A panacea to plant tissue culture challenges?. <i>Plant Cell, Tissue and Organ Culture</i> , 2012 , 108, 1-16	2.7	123
350	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	3.2	123
349	A critical review on exploiting the pharmaceutical potential of plant endophytic fungi. <i>Biotechnology Advances</i> , 2020 , 39, 107462	17.8	110
348	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	3.2	103
347	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	3.2	102
346	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	8.5	99
345	Auxin and cytokinin relationships in 24 microalgal strains(1). <i>Journal of Phycology</i> , 2013 , 49, 459-67	3	98
344	Seed coat structure and dormancy. <i>Plant Growth Regulation</i> , 1992 , 11, 201-209	3.2	94
343	<i>Crinum</i> species in traditional and modern medicine. <i>Journal of Ethnopharmacology</i> , 2001 , 78, 15-26	5	91
342	Effect of seaweed concentrate on the establishment and yield of greenhouse tomato plants. <i>Journal of Applied Phycology</i> , 1992 , 4, 291-296	3.2	88
341	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	2.7	87
340	A Review of <i>Swertia chirayita</i> (Gentianaceae) as a Traditional Medicinal Plant. <i>Frontiers in Pharmacology</i> , 2015 , 6, 308	5.6	87
339	Comparison of cytokinin- and auxin-like activity in some commercially used seaweed extracts. <i>Journal of Applied Phycology</i> , 1996 , 8, 503-508	3.2	85

338	On the origin of southern African subtropical thicket vegetation. <i>South African Journal of Botany</i> , 2005 , 71, 1-23	2.9	83
337	Screening microalgae for some potentially useful agricultural and pharmaceutical secondary metabolites. <i>Journal of Applied Phycology</i> , 2004 , 16, 309-314	3.2	78
336	Hormone profiles in microalgae: gibberellins and brassinosteroids. <i>Plant Physiology and Biochemistry</i> , 2013 , 70, 348-53	5.4	76
335	Butenolides from plant-derived smoke: natural plant-growth regulators with antagonistic actions on seed germination. <i>Journal of Natural Products</i> , 2010 , 73, 267-9	4.9	74
334	Improving seedling vigour of indigenous medicinal plants with smoke. <i>Bioresource Technology</i> , 2005 , 96, 1323-30	11	74
333	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	7	74
332	Ethnobotany, ethnopharmacology and toxicity of <i>Jatropha curcas</i> L. (Euphorbiaceae): A review. <i>South African Journal of Botany</i> , 2013 , 88, 204-218	2.9	69
331	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	2.9	68
330	The effect of stratification on endogenous cytokinin levels in seeds of <i>Acer saccharum</i> . <i>Planta</i> , 1972 , 104, 110-4	4.7	68
329	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	2.9	67
328	Pharmacological and toxicological insights to the South African Amaryllidaceae. <i>Food and Chemical Toxicology</i> , 2013 , 62, 262-75	4.7	62
327	Prostaglandin Synthesis Inhibitory Activity in Zulu, Xhosa and Sotho Medicinal Plants. <i>Phytotherapy Research</i> , 1997 , 11, 113-117	6.7	62
326	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	3.9	61
325	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	2.9	60
324	Medicinal plants: An invaluable, dwindling resource in sub-Saharan Africa. <i>Journal of Ethnopharmacology</i> , 2015 , 174, 595-606	5	58
323	The effect of light on endogenous cytokinin levels in seeds of <i>Rumex obtusifolius</i> . <i>Planta</i> , 1972 , 104, 126-33	4.7	57
322	Eckol - a new plant growth stimulant from the brown seaweed <i>Ecklonia maxima</i> . <i>Journal of Applied Phycology</i> , 2015 , 27, 581-587	3.2	56
321	Effects of plant growth regulators on the antioxidant system in callus of two maize cultivars subjected to water stress. <i>Plant Growth Regulation</i> , 1998 , 24, 55-66	3.2	56

320	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	2.7	56
319	Effect of light on growth and endogenous hormones in <i>Chlorella minutissima</i> (Trebouxiophyceae). <i>Plant Physiology and Biochemistry</i> , 2014 , 79, 66-76	5.4	53
318	Medicinal properties and conservation of <i>Pelargonium sidoides</i> DC. <i>Journal of Ethnopharmacology</i> , 2014 , 152, 243-55	5	53
317	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	2.6	53
316	Commercial Seaweed Products as Biostimulants in Horticulture. <i>Journal of Home & Consumer Horticulture</i> , 1993 , 1, 19-76		53
315	Plant-derived smoke: an effective seed pre-treatment. <i>Plant Growth Regulation</i> , 1994 , 14, 279-282	3.2	52
314	Dual regulation of seed germination by smoke solutions. <i>Plant Growth Regulation</i> , 2002 , 37, 135-141	3.2	51
313	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	7	50
312	Apoptosis-inducing effects of distichamine and narciprimine, rare alkaloids of the plant family Amaryllidaceae. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012 , 22, 6195-9	2.9	50
311	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	2.7	50
310	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	2.9	50
309	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	6.4	48
308	Evidence for rooting factors in a seaweed concentrate prepared from <i>Ecklonia maxima</i> . <i>Journal of Plant Physiology</i> , 1991 , 137, 319-322	3.6	47
307	The Effect of Photoperiod on Levels of Endogenous Cytokinins in <i>Xanthium strumarium</i> . <i>Physiologia Plantarum</i> , 1972 , 27, 331-337	4.6	47
306	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	21.4	46
305	Plant composition, pharmacological properties and mutagenic evaluation of a commercial Zulu herbal mixture: Imbiza ephuzwato. <i>Journal of Ethnopharmacology</i> , 2011 , 133, 663-74	5	46
304	The molecular basis of cytokinin action. <i>Plant Growth Regulation</i> , 1997 , 23, 41-78	3.2	45
303	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	3.2	44

302	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	3.2	44
301	Aerosol Smoke and Smoke-Water Stimulation of Seedling Vigor of a Commercial Maize Cultivar. <i>Crop Science</i> , 2006 , 46, 1336-1340	2.4	44
300	The effect of seaweed concentrate on the growth and yield of potassium stressed wheat. <i>Plant and Soil</i> , 1989 , 116, 29-36	4.2	44
299	Seeds and cytokinins. <i>Physiologia Plantarum</i> , 1983 , 58, 340-346	4.6	43
298	In vitro propagation and secondary product production by <i>Merwillia plumbea</i> (Lindl.) Speta. <i>Plant Growth Regulation</i> , 2012 , 67, 235-245	3.2	42
297	Isolation of narciprimine from <i>Cyrtanthus contractus</i> (Amaryllidaceae) and evaluation of its acetylcholinesterase inhibitory activity. <i>Journal of Ethnopharmacology</i> , 2011 , 137, 1102-6	5	41
296	IDENTIFICATION OF THE CYTOKININ ISOPENTENYLADENINE IN A STRAIN OF <i>ARTHRONEMA AFRICANUM</i> (CYANOBACTERIA). <i>Journal of Phycology</i> , 1999 , 35, 89-92	3	41
295	<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	5	40
294	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	3.2	40
293	Towards a standardised terminology for taxonomically important morphological characters in the Umbelliferae. <i>South African Journal of Botany</i> , 2004 , 70, 488-496	2.9	40
292	The Identification of Zeatin Glucoside from Coconut Milk. <i>Physiologia Plantarum</i> , 1976 , 36, 123-126	4.6	40
291	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	5	39
290	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	2.9	39
289	New insights into plant somatic embryogenesis: an epigenetic view. <i>Acta Physiologiae Plantarum</i> , 2017 , 39, 1	2.6	38
288	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	4.6	38
287	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	2.7	37
286	Isolation and identification of cytokinins in a new commercial seaweed product made from <i>Fucus serratus</i> L.. <i>Journal of Applied Phycology</i> , 1997 , 9, 327-330	3.2	37
285	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	3.2	37

284	Anti-inflammatory, antioxidant, anti-cholinesterase activity and mutagenicity of South African medicinal orchids. <i>South African Journal of Botany</i> , 2014 , 91, 88-98	2.9	36
283	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, 171-80	5	36
282	Cytokinin Activity in <i>Lupinus albus</i> . <i>Physiologia Plantarum</i> , 1978 , 43, 87-93	4.6	36
281	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, 386-91	5	35
280	Phytochrome and cytokinin responses. <i>Plant Growth Regulation</i> , 1997 , 23, 105-122	3.2	35
279	Cytotoxicity studies of lycorine alkaloids of the Amaryllidaceae. <i>Natural Product Communications</i> , 2014 , 9, 1193-210	0.9	35
278	Antibacterial constituents of the plant family Amaryllidaceae. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017 , 27, 4943-4951	2.9	34
277	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	5	34
276	<i>Securidaca longipedunculata</i> Fresen (Polygalaceae): a review of its ethnomedicinal uses, phytochemistry, pharmacological properties and toxicology. <i>Journal of Ethnopharmacology</i> , 2015 , 165, 215-26	5	33
275	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, 147-55	5.4	33
274	Unraveling the medicinal potential of South African Aloe species. <i>Journal of Ethnopharmacology</i> , 2014 , 153, 19-41	5	33
273	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. <i>Plant Growth Regulation</i> , 2013 , 71, 137-145	3.2	33
272	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	3.2	33
271	Cryopreservation and plant regeneration from somatic embryos of <i>Pinus patula</i> . <i>Plant Cell Reports</i> , 2000 , 19, 610-615	5.1	32
270	Effects of plant growth regulators on drought resistance of two maize cultivars. <i>South African Journal of Botany</i> , 1998 , 64, 116-120	2.9	32
269	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	2.7	31
268	Advances in algal drug research with emphasis on enzyme inhibitors. <i>Biotechnology Advances</i> , 2014 , 32, 1364-81	17.8	31
267	Alkaloids from <i>Crinum bulbispermum</i> . <i>Phytochemistry</i> , 1999 , 52, 533-536	4	31

266	Ethnobotany, phytochemistry, toxicology and pharmacological properties of Terminalia sericea Burch. ex DC. (Combretaceae) - A review. <i>Journal of Ethnopharmacology</i> , 2016 , 194, 789-802	5	30
265	Seasonal variation in the polyamines of Ecklonia maxima. <i>Botanica Marina</i> , 2012 , 55,	1.8	30
264	Quantitative structure-activity relationship studies on acetylcholinesterase enzyme inhibitory effects of Amaryllidaceae alkaloids. <i>South African Journal of Botany</i> , 2006 , 72, 224-231	2.9	30
263	The effect of seaweed concentrate on the growth of Pinus pinea seedlings. <i>New Forests</i> , 1994 , 8, 279-288.	6	30
262	Rapid in vitro propagation of Aloe barbadensis Mill. <i>Plant Cell, Tissue and Organ Culture</i> , 1991 , 26, 167-171.	17	30
261	Plant regeneration and biochemical accumulation of hydroxybenzoic and hydroxycinnamic acid derivatives in Hypoxis hemerocallidea organ and callus cultures. <i>Plant Science</i> , 2014 , 227, 157-64	5.3	29
260	Garden-waste-vermicompost leachate alleviates salinity stress in tomato seedlings by mobilizing salt tolerance mechanisms. <i>Plant Growth Regulation</i> , 2013 , 71, 41-47	3.2	29
259	The ethnobotany of South African medicinal orchids. <i>South African Journal of Botany</i> , 2011 , 77, 2-9	2.9	29
258	Shoot proliferation and rooting treatments influence secondary metabolite production and antioxidant activity in tissue culture-derived Aloe arborescens grown ex vitro. <i>Plant Growth Regulation</i> , 2013 , 70, 115-122	3.2	28
257	Seasonal Changes in the Cytokinin Content of the Leaves of Salix babylonica. <i>Physiologia Plantarum</i> , 1977 , 40, 296-299	4.6	28
256	Embryogenesis and synthetic seed production in Mondia whitei. <i>Plant Cell, Tissue and Organ Culture</i> , 2015 , 121, 205-214	2.7	27
255	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, 273-9	6.4	27
254	Lipid productivity and fatty acid composition in Chlorella and Scenedesmus strains grown in nitrogen-stressed conditions. <i>Journal of Applied Phycology</i> , 2013 , 25, 233-243	3.2	27
253	Somatic embryogenesis of Pelargonium sidoides DC.. <i>Plant Cell, Tissue and Organ Culture</i> , 2015 , 121, 571-577	2.7	27
252	Plant-derived smoke solutions stimulate the growth of Lycopersicon esculentum roots in vitro. <i>Plant Growth Regulation</i> , 1998 , 26, 77-83	3.2	27
251	Potential of phytohormones as a strategy to improve microalgae productivity for biotechnological applications. <i>Biotechnology Advances</i> , 2020 , 44, 107612	17.8	27
250	Cytotoxic agents of the crinane series of amaryllidaceae alkaloids. <i>Natural Product Communications</i> , 2012 , 7, 1677-88	0.9	27
249	Antimicrobial, Anthelmintic Activities and Characterisation of Functional Phenolic Acids of Achyranthes aspera Linn.: A Medicinal Plant Used for the Treatment of Wounds and Ringworm in East Africa. <i>Frontiers in Pharmacology</i> , 2015 , 6, 274	5.6	26

- 248 In vitro asymbiotic seed germination and seedling growth of *Ansellia africana* Lindl.. *Scientia Horticulturae*, **2010**, 123, 496-504 4.1 26
- 247 The role of ethanol and acetaldehyde in flower senescence and fruit ripening – A review. *Plant Growth Regulation*, **1998**, 26, 183-189 3.2 26
- 246 Effect of cell disruption methods on the extraction of bioactive metabolites from microalgal biomass. *Journal of Biotechnology*, **2020**, 307, 35-43 3.7 26
- 245 *Ansellia africana* (Leopard orchid): A medicinal orchid species with untapped reserves of important biomolecules – A mini review. *South African Journal of Botany*, **2016**, 106, 181-185 2.9 26
- 244 Eckol Improves Growth, Enzyme Activities, and Secondary Metabolite Content in Maize (*Zea mays* cv. Border King). *Journal of Plant Growth Regulation*, **2015**, 34, 410-416 4.7 25
- 243 Seaweed-Derived Biostimulant (Kelpak®) Influences Endogenous Cytokinins and Bioactive Compounds in Hydroponically Grown *Eucomis autumnalis*. *Journal of Plant Growth Regulation*, **2016**, 35, 151-162 4.7 25
- 242 Physiological and phytochemical responses of three nutrient-stressed bulbous plants subjected to vermicompost leachate treatment. *Acta Physiologiae Plantarum*, **2014**, 36, 721-731 2.6 25
- 241 Molecular aspects of the antagonistic interaction of smoke-derived butenolides on the germination process of Grand Rapids lettuce (*Lactuca sativa*) achenes. *New Phytologist*, **2012**, 196, 1060-1073 9.8 25
- 240 Stimulatory role of smoke-water and karrikinolide on the photosynthetic pigment and phenolic contents of micropropagated Williams bananas. *Plant Growth Regulation*, **2012**, 67, 271-279 3.2 25
- 239 The effect of medium, carbon source and explant on regeneration and control of shoot-tip necrosis in *Harpagophytum procumbens*. *South African Journal of Botany*, **2009**, 75, 117-121 2.9 25
- 238 Cytokinin-and auxin-like activity of a butenolide isolated from plant-derived smoke. *South African Journal of Botany*, **2008**, 74, 327-331 2.9 25
- 237 Cytokinins in cut carnation flowers. II. Relationship between endogenous ethylene and cytokinin levels in the petals. *Plant Growth Regulation*, **1987**, 5, 75-86 3.2 25
- 236 Cytokinin Activity in *Lupinus albus*. *Physiologia Plantarum*, **1978**, 43, 77-81 4.6 25
- 235 In vitro propagation, proscillaridin A production and antibacterial activity in *Drimys robusta*. *Plant Cell, Tissue and Organ Culture*, **2013**, 114, 259-267 2.7 24
- 234 Alkaloids of the South African Amaryllidaceae: A Review. *Natural Product Communications*, **2013**, 8, 1934-1941 10.800 10.800
- 233 Effect of seaweed concentrate on yield of nutrient-stressed tepary bean (*Phaseolus acutifolius* Gray). *Journal of Applied Phycology*, **1994**, 6, 429-430 3.2 24
- 232 The effects of decapitation on the distribution of cytokinins and growth of *Phaseolus vulgaris* plants. *Physiologia Plantarum*, **1982**, 55, 39-44 4.6 24
- 231 Strigolactones and their crosstalk with other phytohormones. *Annals of Botany*, **2019**, 124, 749-767 4.1 23

230	How does exogenously applied cytokinin type affect growth and endogenous cytokinins in micropropagated <i>Merwilla plumbea</i> ?. <i>Plant Cell, Tissue and Organ Culture</i> , 2014 , 118, 245-256	2.7	23
229	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	2.2	23
228	Pollination of seven <i>Plectranthus</i> spp. (Lamiaceae) in southern Natal, South Africa. <i>Plant Systematics and Evolution</i> , 1999 , 218, 99-112	1.3	23
227	Effect of activated charcoal, autoclaving and culture media on sucrose hydrolysis. <i>Plant Growth Regulation</i> , 1999 , 29, 135-141	3.2	23
226	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	3.2	22
225	Somatic embryogenesis of <i>Merwilla plumbea</i> (Lindl.) Speta. <i>Plant Cell, Tissue and Organ Culture</i> , 2012 , 109, 517-524	2.7	22
224	Cytokinin Activity in <i>Lupinus albus</i> . <i>Physiologia Plantarum</i> , 1978 , 43, 82-86	4.6	22
223	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	3.2	21
222	Micropropagation of the medicinal plant, <i>Scilla natalensis</i> Planch.. <i>Plant Growth Regulation</i> , 1998 , 25, 177-180	3.2	21
221	Impact of drought and salinity on olive water status and physiological performance in an arid climate. <i>Agricultural Water Management</i> , 2019 , 213, 749-759	5.9	21
220	Pharmacological potential and conservation prospect of the genus <i>Eucomis</i> (Hyacinthaceae) endemic to southern Africa. <i>Journal of Ethnopharmacology</i> , 2014 , 151, 44-53	5	20
219	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	2.7	20
218	A review of ethnobotanical research in southern Africa. <i>South African Journal of Botany</i> , 2002 , 68, 1-13	2.9	20
217	A Cytokinin Complex in the Developing Fruits of <i>Lupinus albus</i> . <i>Physiologia Plantarum</i> , 1977 , 39, 221-224	4.6	20
216	Physiological and biochemical effects of a tetrahydropyranyl-substituted meta-topolin in micropropagated <i>Merwilla plumbea</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2015 , 121, 579-590	2.7	19
215	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, 659-69	3	19
214	Cytotoxic Agents of the Crinane Series of Amaryllidaceae Alkaloids. <i>Natural Product Communications</i> , 2012 , 7, 1934578X1200701	0.9	19
213	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	1.8	19

212	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	2.3	18
211	Cytotoxicity Studies of Lycorine Alkaloids of the Amaryllidaceae. <i>Natural Product Communications</i> , 2014 , 9, 1934578X1400900	0.9	18
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