

# Johannes Van Staden

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

355  
papers

8,164  
citations

47  
h-index

68  
g-index

368  
ext. papers

9,343  
ext. citations

3.6  
avg, IF

6.48  
L-index

#	Paper	IF	Citations
355	Phytochemistry, Pharmacology, and Conservation of <i>Ansellia africana</i> : A Vulnerable Medicinal Orchid of Africa. <i>Reference Series in Phytochemistry</i> , <b>2022</b> , 435-451	0.7	0
354	Ethnobotanical Uses, Nutritional Composition, Phytochemicals, Biological Activities, and Propagation of the Genus <i>Brachystelma</i> (Apocynaceae). <i>Horticulturae</i> , <b>2022</b> , 8, 122	2.5	0
353	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> , <b>2022</b> , 147, 238-244	2.9	0
352	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> , <b>2022</b> , 283, 114564	5	2
351	Insights to the tribe Haemantheae of the South African Amaryllidaceae.. <i>Journal of Ethnopharmacology</i> , <b>2022</b> , 115177	5	0
350	Seed priming with vermicompost leachate, <i>Ecklonia maxima</i> extract-Kelpak <sup>®</sup> and smoke-water induce heat stress amelioration and growth in <i>Vigna unguiculata</i> L. seedlings. <i>South African Journal of Botany</i> , <b>2022</b> , 147, 686-696	2.9	1
349	Bioprospecting for bioactive compounds in microalgae: Antimicrobial compounds.. <i>Biotechnology Advances</i> , <b>2022</b> , 107977	17.8	3
348	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> , <b>2022</b> , 148, 704-709	2.9	0
347	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> , <b>2022</b> , 149, 87-95	2.9	2
346	A stable isotope dilution method for a highly accurate analysis of karrikins. <i>Plant Methods</i> , <b>2021</b> , 17, 37	5.8	0
345	Potential nematicidal properties of plant extracts against <i>Meloidogyne incognita</i> . <i>South African Journal of Botany</i> , <b>2021</b> , 139, 409-417	2.9	1
344	Effects of smoke water on germination, seedling vigour and growth of <i>Sceletium tortuosum</i> . <i>South African Journal of Botany</i> , <b>2021</b> , 139, 427-431	2.9	2
343	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> , <b>2021</b> , 145, 191-202	2.7	2
342	Insights into the biostimulatory effects of chitosan in propagation of orchid bioresources <b>2021</b> , 197-210		0
341	Modes of action of biostimulants in plants <b>2021</b> , 445-459		2
340	Categories of various plant biostimulants [mode of application and shelf-life <b>2021</b> , 1-60		2
339	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 <b>2021</b> , 137-164		0

338	Strigolactone inhibits hydrogen peroxide and plasma membrane H <sup>+</sup> -ATPase activities to downregulate adventitious root formation in mung bean hypocotyls. <i>Plant Growth Regulation</i> , <b>2021</b> , 94, 11-21	3.2	3
337	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> , <b>2021</b> , 145, 689-699	2.7	2
336	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> , <b>2021</b> , 33, 2755-2766	3.2	1
335	Natural product remedies for COVID-19: A focus on safety. <i>South African Journal of Botany</i> , <b>2021</b> , 139, 386-398	2.9	5
334	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> , <b>2021</b> , 262, 153437	3.6	7
333	Strigolactone analog (rac-GR24) enhances chilling tolerance in mung bean seedlings. <i>South African Journal of Botany</i> , <b>2021</b> , 140, 173-181	2.9	3
332	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> , <b>2021</b> , 140, 153-160	2.9	2
331	Effect of storage on plant biostimulant and bioactive properties of freeze-dried biomass. <i>Journal of Applied Phycology</i> , <b>2021</b> , 1-10	3.2	1
330	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> , <b>2021</b> , 142, 467-476	2.9	0
329	Cytokinin-Facilitated Plant Regeneration of Three Species with Different Conservation Status. <i>Plants</i> , <b>2020</b> , 9,	4.5	3
328	Antibacterial, Mutagenic Properties and Chemical Characterisation of Sugar Bush ( <i>Meisn.</i> ): A South African Native Shrub Species. <i>Plants</i> , <b>2020</b> , 9,	4.5	1
327	Phytomedicinal relevance of South African Cucurbitaceae species and their safety assessment: A review. <i>Journal of Ethnopharmacology</i> , <b>2020</b> , 259, 112967	5	5
326	Identification of Amaryllidaceae alkaloids in larvae of the fly borer moth <i>Brithys crini</i> . <i>South African Journal of Botany</i> , <b>2020</b> , 131, 351-359	2.9	2
325	Phytochemical Profiles and Antioxidant Activity of Grasses Used in South African Traditional Medicine. <i>Plants</i> , <b>2020</b> , 9,	4.5	9
324	Plant Biostimulants from Seaweed <b>2020</b> , 31-55		8
323	Phytochemistry, Pharmacology, and Conservation of <i>Ansellia africana</i> : A Vulnerable Medicinal Orchid of Africa. <i>Reference Series in Phytochemistry</i> , <b>2020</b> , 1-18	0.7	0
322	Effect of cell disruption methods on the extraction of bioactive metabolites from microalgal biomass. <i>Journal of Biotechnology</i> , <b>2020</b> , 307, 35-43	3.7	26
321	LEAFY COTYLEDONS (LECs): master regulators in plant embryo development. <i>Plant Cell, Tissue and Organ Culture</i> , <b>2020</b> , 140, 475-487	2.7	8

320	The effect of biostimulants and light wavelengths on the physiology of Cleome gynandra seeds. <i>Plant Growth Regulation</i> , <b>2020</b> , 90, 467-474	3.2	5
319	Potential of phytohormones as a strategy to improve microalgae productivity for biotechnological applications. <i>Biotechnology Advances</i> , <b>2020</b> , 44, 107612	17.8	27
318	Extracts of Gomphrena celosioides Mart as potential treatment for urinary tract infections against antibiotic resistant $\beta$ -lactamase producing uropathogens. <i>South African Journal of Botany</i> , <b>2020</b> , 132, 502-510	2.9	0
317	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> , <b>2020</b> , 155, 965-979	5.4	13
316	Flavonoids isolated from the South African weed Chromolaena odorata (Asteraceae) have pharmacological activity against uropathogens. <i>BMC Complementary Medicine and Therapies</i> , <b>2020</b> , 20, 233	2.9	5
315	Insight to the antifungal properties of Amaryllidaceae constituents. <i>Phytomedicine</i> , <b>2020</b> , 73, 152753	6.5	3
314	Preparation and Standardisation of Smoke-Water for Seed Germination and Plant Growth Stimulation. <i>Journal of Plant Growth Regulation</i> , <b>2020</b> , 39, 338-345	4.7	17
313	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> , <b>2020</b> , 248, 112305	5	7
312	A critical review on exploiting the pharmaceutical potential of plant endophytic fungi. <i>Biotechnology Advances</i> , <b>2020</b> , 39, 107462	17.8	110
311	Antiprotozoal alkaloid principles of the plant family Amaryllidaceae. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2019</b> , 29, 126642	2.9	8
310	Strigolactones and their crosstalk with other phytohormones. <i>Annals of Botany</i> , <b>2019</b> , 124, 749-767	4.1	23
309	Effect of gibberellins on growth and biochemical constituents in Chlorella minutissima (Trebouxiophyceae). <i>South African Journal of Botany</i> , <b>2019</b> , 126, 92-98	2.9	8
308	Deciphering the phenolic acid reserves and antioxidant activity within the protocorm like bodies of Ansellia africana: A vulnerable medicinal orchid. <i>Industrial Crops and Products</i> , <b>2019</b> , 135, 21-29	5.9	8
307	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. <i>Phytochemistry</i> , <b>2019</b> , 163, 187-194	4	5
306	Elucidating the role of Kelpak $\text{®}$ on the growth, phytohormone composition, and phenolic acids in macronutrient-stressed Ceratotheca triloba. <i>Journal of Applied Phycology</i> , <b>2019</b> , 31, 2687-2697	3.2	3
305	The Amaryllidaceae as a source of antiplasmodial crinane alkaloid constituents. <i>Fitoterapia</i> , <b>2019</b> , 134, 305-313	3.2	8
304	Identification of Narciclasine as an in Vitro Anti-Inflammatory Component of Cyrtanthus contractus by Correlation-Based Metabolomics. <i>Journal of Natural Products</i> , <b>2019</b> , 82, 1372-1376	4.9	6
303	Bioactive molecules derived from smoke and seaweed Ecklonia maxima showing phytohormone-like activity in Spinacia oleracea L. <i>New Biotechnology</i> , <b>2019</b> , 48, 83-89	6.4	48

302	Quantification of karrikins in smoke water using ultra-high performance liquid chromatography-tandem mass spectrometry. <i>Plant Methods</i> , <b>2019</b> , 15, 81	5.8	13
301	Role of Smoke Stimulatory and Inhibitory Biomolecules in Phytochrome-Regulated Seed Germination of. <i>Plant Physiology</i> , <b>2019</b> , 181, 458-470	6.6	16
300	Biological activities of extract from <i>Coleonema album</i> in vitro. <i>South African Journal of Botany</i> , <b>2019</b> , 126, 176-181	2.9	
299	Biostimulating effects of the cyanobacterium <i>Nostoc piscinale</i> on winter wheat in field experiments. <i>South African Journal of Botany</i> , <b>2019</b> , 126, 99-106	2.9	8
298	Antiplasmodial constituents in the minor alkaloid groups of the Amaryllidaceae. <i>South African Journal of Botany</i> , <b>2019</b> , 126, 362-370	2.9	5
297	Comprehensive profiling of codon usage signatures and codon context variations in the genus <i>Ustilago</i> . <i>World Journal of Microbiology and Biotechnology</i> , <b>2019</b> , 35, 118	4.4	6
296	Effect of zinc on the production of phenolic acids and hypoxoside in micropropagated <i>Hypoxis hemerocallidea</i> . <i>Plant Growth Regulation</i> , <b>2019</b> , 89, 19-24	3.2	5
295	Insights into the riddles of codon usage patterns and codon context signatures in fungal genus <i>Puccinia</i> , a persistent threat to global agriculture. <i>Journal of Cellular Biochemistry</i> , <b>2019</b> , 120, 19555-19566	4.7	3
294	Multi-tasking of SERK-like kinases in plant embryogenesis, growth, and development: current advances and biotechnological applications. <i>Acta Physiologiae Plantarum</i> , <b>2019</b> , 41, 1	2.6	10
293	How Do Different Watering Regimes Affect the Growth, Chlorophyll Fluorescence, Phytohormone, and Phenolic Acid Content of Greenhouse-Grown <i>Ceratotheca triloba</i> ?. <i>Journal of Plant Growth Regulation</i> , <b>2019</b> , 38, 385-399	4.7	9
292	Isolation and in silico prediction of potential drug-like compounds from <i>Anethum sowa</i> L. root extracts targeted towards cancer therapy. <i>Computational Biology and Chemistry</i> , <b>2019</b> , 78, 242-259	3.6	12
291	Impact of drought and salinity on olive water status and physiological performance in an arid climate. <i>Agricultural Water Management</i> , <b>2019</b> , 213, 749-759	5.9	21
290	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> , <b>2018</b> , 85, 143-151	3.2	8
289	Antifungal constituents of the plant family Amaryllidaceae. <i>Phytotherapy Research</i> , <b>2018</b> , 32, 976-984	6.7	9
288	Endogenous brassinosteroids in microalgae exposed to salt and low temperature stress. <i>European Journal of Phycology</i> , <b>2018</b> , 53, 273-279	2.2	12
287	Deciphering the growth pattern and phytohormonal content in Saskatoon berry ( <i>Amelanchier alnifolia</i> ) in response to in vitro cytokinin application. <i>New Biotechnology</i> , <b>2018</b> , 42, 85-94	6.4	7
286	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> , <b>2018</b> , 223, 65-71	3.6	11
285	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> , <b>2018</b> , 133, 299-310	2.7	31

284	Ethnobotany, phytochemistry and pharmacology of <i>Arctotis arctotoides</i> (L.f.) O. Hoffm.: A review. <i>Journal of Ethnopharmacology</i> , <b>2018</b> , 220, 294-320	5	6
283	Identification and characterization of potential bioactive compounds from the leaves of <i>Leucosidea sericea</i> . <i>Journal of Ethnopharmacology</i> , <b>2018</b> , 220, 169-176	5	12
282	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> , <b>2018</b> , 147, 43-48	7	50
281	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> , <b>2018</b> , 228, 121-133	3.6	14
280	Metabolite profiling and isolation of biologically active compounds from <i>Scadoxus puniceus</i> , a highly traded South African medicinal plant. <i>Phytotherapy Research</i> , <b>2018</b> , 32, 625-630	6.7	10
279	In vitro propagation via organogenesis and synthetic seeds of (L.f.) Baker: a threatened medicinal plant. <i>3 Biotech</i> , <b>2018</b> , 8, 18	2.8	13
278	Phenolic and flavonoid production and antimicrobial activity of <i>Gymnosporia buxifolia</i> (L.) Szyszyl cell cultures. <i>Plant Growth Regulation</i> , <b>2018</b> , 86, 333-338	3.2	4
277	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> , <b>2018</b> , 18, 272	4.7	14
276	Cell cycle modulatory effects of Amaryllidaceae alkaloids. <i>Life Sciences</i> , <b>2018</b> , 213, 94-101	6.8	12
275	Molecular insights into genetic diversity and population dynamics of five medicinal species: a threatened orchid taxa of Africa. <i>Physiology and Molecular Biology of Plants</i> , <b>2018</b> , 24, 631-641	2.8	8
274	Phytochemical Characterization, Antibacterial, Acetylcholinesterase Inhibitory and Cytotoxic Properties of <i>Cryptostephanus vansonii</i> , an Endemic Amaryllid. <i>Phytotherapy Research</i> , <b>2017</b> , 31, 713-720	6.7	8
273	Ultrastructure of somatic embryo development and plant propagation for <i>Lachenalia montana</i> . <i>South African Journal of Botany</i> , <b>2017</b> , 109, 269-274	2.9	8
272	Regulating the regulators: responses of four plant growth regulators during clonal propagation of <i>Lachenalia montana</i> . <i>Plant Growth Regulation</i> , <b>2017</b> , 82, 305-315	3.2	5
271	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> , <b>2017</b> , 82, 103-110	3.2	3
270	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> , <b>2017</b> , 82, 47-53	3.2	4
269	Antifungal and antioxidant activities of <i>Coleonema album</i> and <i>C. pulchellum</i> against skin diseases. <i>Pharmaceutical Biology</i> , <b>2017</b> , 55, 1249-1255	3.8	5
268	Steps to overcome the North-South divide in research relevant to climate change policy and practice. <i>Nature Climate Change</i> , <b>2017</b> , 7, 21-27	21.4	46
267	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> , <b>2017</b> , 120, 1-9	5.4	15

266	Antibacterial constituents of the plant family Amaryllidaceae. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2017</b> , 27, 4943-4951	2.9	34
265	Antifungal Activity Based Studies of Amaryllidaceae Plant Extracts. <i>Natural Product Communications</i> , <b>2017</b> , 12, 1934578X1701201	0.9	2
264	Distribution and Diversity of Usage of the Amaryllidaceae in the Traditional Remediation of Infectious Diseases. <i>Natural Product Communications</i> , <b>2017</b> , 12, 1934578X1701200	0.9	8
263	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> , <b>2017</b> , 131, 407-415	2.7	6
262	New insights into plant somatic embryogenesis: an epigenetic view. <i>Acta Physiologiae Plantarum</i> , <b>2017</b> , 39, 1	2.6	38
261	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> , <b>2017</b> , 36, 83-95	4.7	
260	Antibacterial Properties of the Family Amaryllidaceae: Evaluation of Plant Extracts in vitro. <i>Natural Product Communications</i> , <b>2017</b> , 12, 1934578X1701200	0.9	3
259	Distribution and Diversity of Usage of the Amaryllidaceae in the Traditional Remediation of Infectious Diseases. <i>Natural Product Communications</i> , <b>2017</b> , 12, 635-639	0.9	4
258	In vitro propagation and antibacterial activity in <i>Cotyledon orbiculata</i> : a valuable medicinal plant. <i>Plant Cell, Tissue and Organ Culture</i> , <b>2016</b> , 124, 97-104	2.7	12
257	<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> , <b>2016</b> , 183, 112-122	5	40
256	Changes in phytochemical content and pharmacological activities of three <i>Chlorella</i> strains grown in different nitrogen conditions. <i>Journal of Applied Phycology</i> , <b>2016</b> , 28, 149-159	3.2	21
255	Effect of vermicompost leachate in <i>Ceratotheca triloba</i> under nutrient deficiency. <i>Acta Physiologiae Plantarum</i> , <b>2016</b> , 38, 1	2.6	5
254	Enhancing plant regeneration of <i>Lachenalia viridiflora</i> , a critically endangered ornamental geophyte with high floricultural potential. <i>Scientia Horticulturae</i> , <b>2016</b> , 211, 263-268	4.1	16
253	Ethnobotany, phytochemistry, toxicology and pharmacological properties of <i>Terminalia sericea</i> Burch. ex DC. (Combretaceae) - A review. <i>Journal of Ethnopharmacology</i> , <b>2016</b> , 194, 789-802	5	30
252	The effects of smoke derivatives on in vitro seed germination and development of the leopard orchid <i>Ansellia africana</i> . <i>Plant Biology</i> , <b>2016</b> , 18, 289-94	3.7	12
251	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> , <b>2016</b> , 31, 63-6	5.6	12
250	Seaweed-Derived Biostimulant (Kelpak®) Influences Endogenous Cytokinins and Bioactive Compounds in Hydroponically Grown <i>Eucomis autumnalis</i> . <i>Journal of Plant Growth Regulation</i> , <b>2016</b> , 35, 151-162	4.7	25
249	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> , <b>2016</b> , 18, 427-34	3.9	3

248	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> , <b>2016</b> , 84, 199-204	5.9	6
247	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> , <b>2016</b> , 33, 273-9	6.4	27
246	Nutritional and pharmacological potential of the genus <i>Ceratotheca</i> —An underutilized leafy vegetable of Africa. <i>Journal of Ethnopharmacology</i> , <b>2016</b> , 178, 209-21	5	6
245	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> , <b>2016</b> , 7, 208	5.6	16
244	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> , <b>2016</b> , 7, 320	5.6	18
243	Acetylcholinesterase-Inhibition and Antibacterial Activity of Adventitious Roots and -Grown Somatic Embryogenic-Biomass. <i>Frontiers in Pharmacology</i> , <b>2016</b> , 7, 335	5.6	7
242	In Vivo Cytotoxicity Studies of Amaryllidaceae Alkaloids. <i>Natural Product Communications</i> , <b>2016</b> , 11, 1934-1938	4.7	1601100
241	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> , <b>2016</b> , 18, 805-15	3.7	7
240	Cytokinin profiles in ex vitro acclimatized <i>Eucomis autumnalis</i> plants pre-treated with smoke-derived karrikinolide. <i>Plant Cell Reports</i> , <b>2016</b> , 35, 227-38	5.1	4
239	In vitro propagation and ultrastructural studies of somatic embryogenesis of <i>Ledebouria ovatifolia</i> . <i>In Vitro Cellular and Developmental Biology - Plant</i> , <b>2016</b> , 52, 283-292	2.3	10
238	Cytotoxic Alkaloid Constituents of the Amaryllidaceae. <i>Studies in Natural Products Chemistry</i> , <b>2016</b> , 49, 107-156	1.5	11
237	Auxin-cytokinin interaction and variations in their metabolic products in the regulation of organogenesis in two <i>Eucomis</i> species. <i>New Biotechnology</i> , <b>2016</b> , 33, 883-890	6.4	12
236	<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> , <b>2016</b> , 106, 181-185	2.9	26
235	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> , <b>2015</b> , 17, 1046-52	3.9	8
234	Seasonal pharmacological properties and alkaloid content in <i>Cyrtanthus contractus</i> N.E. Br.. <i>South African Journal of Botany</i> , <b>2015</b> , 97, 69-76	2.9	14
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108	Pollination of seven <i>Plectranthus</i> spp. (Lamiaceae) in southern Natal, South Africa. <i>Plant Systematics and Evolution</i> , <b>1999</b> , 218, 99-112	1.3	23
107	IDENTIFICATION OF THE CYTOKININ ISOPENTENYLADENINE IN A STRAIN OF <i>ARTHRONEMA AFRICANUM</i> (CYANOBACTERIA). <i>Journal of Phycology</i> , <b>1999</b> , 35, 89-92	3	41
106	Effect of activated charcoal, autoclaving and culture media on sucrose hydrolysis. <i>Plant Growth Regulation</i> , <b>1999</b> , 29, 135-141	3.2	23
105	The use of acetaldehyde to control carnation flower longevity. <i>Plant Growth Regulation</i> , <b>1999</b> , 28, 175-178	3.2	5

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103	Micropropagation of members of the Hyacinthaceae with medicinal and ornamental potential - A review. <i>South African Journal of Botany</i> , <b>1999</b> , 65, 361-369	2.9	14
102	Effects of plant growth regulators on the antioxidant system in callus of two maize cultivars subjected to water stress. <i>Plant Growth Regulation</i> , <b>1998</b> , 24, 55-66	3.2	56
101	Plant-derived smoke solutions stimulate the growth of <i>Lycopersicon esculentum</i> roots in vitro. <i>Plant Growth Regulation</i> , <b>1998</b> , 26, 77-83	3.2	27
100	Micropropagation of the medicinal plant, <i>Scilla natalensis</i> Planch.. <i>Plant Growth Regulation</i> , <b>1998</b> , 25, 177-180	3.2	21
99	Cold treatment, as part of the process, improves explant decontamination. <i>Plant Growth Regulation</i> , <b>1998</b> , 26, 203-205	3.2	2
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97	Rejuvenation and micropropagation of adult <i>Acacia mearnsii</i> using coppice material. <i>Plant Growth Regulation</i> , <b>1998</b> , 26, 149-153	3.2	17
96	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> , <b>1998</b> , 64, 262-264	2.9	7
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94	New editorial dispensation of the South African Journal of Botany. <i>South African Journal of Botany</i> , <b>1998</b> , 64, 369-370	2.9	1
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92	In vitro propagation of some <i>Cyrtanthus</i> species. <i>South African Journal of Botany</i> , <b>1998</b> , 64, 228-231	2.9	6
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85	Cytokinin oxidase activity in habituated and non-habituated soybean callus. <i>Plant Growth Regulation</i> , <b>1997</b> , 22, 203-206	3.2	12
84	Smoke as a germination cue: a review. <i>Plant Growth Regulation</i> , <b>1997</b> , 22, 115-124	3.2	154
83	The molecular basis of cytokinin action. <i>Plant Growth Regulation</i> , <b>1997</b> , 23, 41-78	3.2	45
82	Phytochrome and cytokinin responses. <i>Plant Growth Regulation</i> , <b>1997</b> , 23, 105-122	3.2	35
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69	Metabolism of [8-14]6-(benzylamino)purine by individual carnation flower components. <i>Plant Growth Regulation</i> , <b>1995</b> , 16, 65-71	3.2	

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67	Effect of seaweed concentrate on growth and development of the marigold <i>Tagetes patula</i> . <i>Journal of Applied Phycology</i> , <b>1994</b> , 6, 427-428	3.2	17
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65	Chemical composition of pods and seeds of <i>Dichrostachys cinerea</i> as a basis of seed dispersal. <i>Plant Growth Regulation</i> , <b>1994</b> , 14, 273-277	3.2	
64	Plant-derived smoke: an effective seed pre-treatment. <i>Plant Growth Regulation</i> , <b>1994</b> , 14, 279-282	3.2	52
63	The effect of seaweed concentrate on the growth of <i>Pinus pinea</i> seedlings. <i>New Forests</i> , <b>1994</b> , 8, 279-288.6		30
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61	The Effect of Thidiazuron on the Yield of Salinity Stressed Wheat. <i>Annals of Botany</i> , <b>1992</b> , 70, 47-51	4.1	3
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44	The effect of 6-benzyladenine derivatives on the rooting of <i>Phaseolus vulgaris</i> L. primary leaf cuttings. <i>Plant Growth Regulation</i> , <b>1989</b> , 8, 289-296	3.2	6
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26	The metabolism of 6-(2,3,4-trihydroxy-3-methylbutylamino) purine by soybean callus. <i>Plant Growth Regulation</i> , <b>1982</b> , 1, 253-260	3.2	4
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6	The effect of light on endogenous cytokinin levels in seeds of <i>Rumex obtusifolius</i> . <i>Planta</i> , <b>1972</b> , 104, 126-33	4.7	57
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4	Role of non-microbial biostimulants in regulation of seed germination and seedling establishment. <i>Plant Growth Regulation</i> , 1	3.2	2
3	Smoke-derived cues in the regulation of seed germination: are Ca <sup>2+</sup> -dependent signals involved?. <i>Plant Growth Regulation</i> , 1	3.2	1
2	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> , 1	3.2	1
1	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> , 1	3.2	0