

# Maria A Stander

## List of Publications by Year in descending order

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70  
papers

2,176  
citations

186209

28  
h-index

243529

44  
g-index

71  
all docs

71  
docs citations

71  
times ranked

2778  
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of direct injection-ion mobility spectrometry-mass spectrometry (DI-IMS-MS) for the analysis of phenolics in honeybush and rooibos tea samples. <i>Journal of Food Composition and Analysis</i> , 2022, 106, 104308.	1.9	7
2	Mass Spectrometry Metabolomics and Feature-Based Molecular Networking Reveals Population-Specific Chemistry in Some Species of the <i>Sceletium</i> Genus. <i>Frontiers in Nutrition</i> , 2022, 9, 819753.	1.6	2
3	Antioxidant, Antimicrobial, and Metabolomic Characterization of Blanched Pomegranate Peel Extracts: Effect of Cultivar. <i>Molecules</i> , 2022, 27, 2979.	1.7	13
4	Oligomerisation of tryptocidine C, a Trp-rich cyclodecapeptide from the antimicrobial tyrothricin complex. <i>Biochimie</i> , 2021, 181, 123-133.	1.3	5
5	Recent applications of ion mobility spectrometry in natural product research. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 195, 113846.	1.4	32
6	Steviol glycoside content and essential oil profiles of <i>Stevia rebaudiana</i> Bertoni in response to NaCl and polyethylene glycol as inducers of salinity and drought stress in vitro. <i>Plant Cell, Tissue and Organ Culture</i> , 2021, 145, 1-18.	1.2	11
7	Profiling the Production of Antimicrobial Secondary Metabolites by <i>Xenorhabdus khoisanus</i> J194 Under Different Culturing Conditions. <i>Frontiers in Chemistry</i> , 2021, 9, 626653.	1.8	7
8	Fatal pyrrolizidine alkaloid poisoning of infants caused by adulterated <i>Senecio coronatus</i> . <i>Forensic Science International</i> , 2021, 320, 110680.	1.3	5
9	Blanching Pre-Treatment Promotes High Yields, Bioactive Compounds, Antioxidants, Enzyme Inactivation and Antibacterial Activity of "Wonderful"™ Pomegranate Peel Extracts at Three Different Harvest Maturities. <i>Antioxidants</i> , 2021, 10, 1119.	2.2	25
10	A link between urease and polyamine metabolism in <i>Cryptococcus neoformans</i> . <i>Microbial Pathogenesis</i> , 2021, 158, 105076.	1.3	2
11	Ultra-high pressure liquid chromatography coupled to travelling wave ion mobility-time of flight mass spectrometry for the screening of pharmaceutical metabolites in wastewater samples: Application to antiretrovirals. <i>Journal of Chromatography A</i> , 2021, 1660, 462650.	1.8	6
12	Pharmacokinetics of Para-Aminosalicylic Acid and Its 2 Major Metabolites: A Potential Relationship to the Development of Gastrointestinal Intolerance. <i>Journal of Clinical Pharmacology</i> , 2020, 60, 489-494.	1.0	3
13	Detailed Phenolic Characterization of <i>Protea</i> Pure and Hybrid Cultivars by Liquid Chromatography-Ion Mobility-High Resolution Mass Spectrometry (LC-IM-HR-MS). <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 485-502.	2.4	20
14	Application of Metabolomics Tools to Determine Possible Biomarker Metabolites Linked to Leaf Blackening in <i>Protea</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 12595-12605.	2.4	3
15	Analysis of 52 C19 and C21 steroids by UPC2-MS/MS: Characterising the C11-oxy steroid metabolome in serum. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2020, 1152, 122243.	1.2	7
16	The Implication of Chemotypic Variation on the Anti-Oxidant and Anti-Cancer Activities of <i>Sutherlandia frutescens</i> (L.) R.Br. (Fabaceae) from Different Geographic Locations. <i>Antioxidants</i> , 2020, 9, 152.	2.2	15
17	Polyphenolic and Physicochemical Properties of Simple-Spined Num-Num ( <i>Carissa edulis</i> ) Fruit Harvested at Ripe Stage of Maturation. <i>Molecules</i> , 2019, 24, 2630.	1.7	5
18	Patterns of Variation and Chemosystematic Significance of Phenolic Compounds in the Genus <i>Cyclopa</i> (Fabaceae, Podalyriaceae). <i>Molecules</i> , 2019, 24, 2352.	1.7	8

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19	Simultaneous quantification of commonly prescribed antiretroviral drugs and their selected metabolites in aqueous environmental samples by direct injection and solid phase extraction liquid chromatography - tandem mass spectrometry. <i>Chemosphere</i> , 2019, 220, 983-992.	4.2	62
20	The commercial history of Cape herbal teas and the analysis of phenolic compounds in historic teas from a depository of 1933. <i>Journal of Food Composition and Analysis</i> , 2019, 76, 66-73.	1.9	17
21	Revisiting the caffeine-free status of rooibos and honeybush herbal teas using specific MRM and high resolution LC-MS methods. <i>Journal of Food Composition and Analysis</i> , 2019, 76, 39-43.	1.9	19
22	A high-throughput UPC2-MS/MS method for the separation and quantification of C19 and C21 steroids and their C11-oxy steroid metabolites in the classical, alternative, backdoor and 11OHA4 steroid pathways. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1080, 71-81.	1.2	24
23	Effect of nitrogen and phosphate on in vitro growth and metabolite profiles of <i>Stevia rebaudiana</i> Bertoni (Asteraceae). <i>Plant Cell, Tissue and Organ Culture</i> , 2018, 134, 141-151.	1.2	13
24	Quantification of root phosphite concentrations for evaluating the potential of foliar phosphonate sprays for the management of avocado root rot. <i>Crop Protection</i> , 2018, 103, 87-97.	1.0	13
25	Measuring Thiols in Single Cultivar South African Red Wines Using 4,4-Dithiodipyridine (DTDP) Derivatization and Ultraperformance Convergence Chromatography-Tandem Mass Spectrometry. <i>Foods</i> , 2018, 7, 138.	1.9	19
26	Comprehensive Three-Dimensional LC-MS/MS— Ion Mobility Spectrometry Separation Combined with High-Resolution MS for the Analysis of Complex Samples. <i>Analytical Chemistry</i> , 2018, 90, 11643-11650.	3.2	57
27	Esomeprazole to treat women with preterm preeclampsia: a randomized placebo controlled trial. <i>American Journal of Obstetrics and Gynecology</i> , 2018, 219, 388.e1-388.e17.	0.7	64
28	Solvent Extraction of Polyphenolics from the Indigenous African Fruit <i>Ximenia caffra</i> and Characterization by LC-HRMS. <i>Antioxidants</i> , 2018, 7, 103.	2.2	12
29	<i>Senecio angustifolius</i> as the major source of pyrrolizidine alkaloid contamination of rooibos tea ( <i>Aspalathus linearis</i> ). <i>South African Journal of Botany</i> , 2017, 110, 124-131.	1.2	23
30	An Electrospray Ionization Mass Spectrometry Study on the $\text{In Vacuo}$ Hetero-Oligomers Formed by the Antimicrobial Peptides, Surfactin and Gramicidin S. <i>Journal of the American Society for Mass Spectrometry</i> , 2017, 28, 1623-1637.	1.2	15
31	Analysis of Phenolic Compounds in Rooibos Tea ( <i>Aspalathus linearis</i> ) with a Comparison of Flavonoid-Based Compounds in Natural Populations of Plants from Different Regions. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 10270-10281.	2.4	88
32	Evaluating South African Chenin Blanc Wine Styles Using an LC-MS Screening Method. <i>Studia Universitatis Babeş-Bolyai Chemia</i> , 2017, 62, 113-123.	0.1	4
33	High light bio-fortification stimulates de novo synthesis of resveratrol in <i>Diplotaxis tenuifolia</i> (wild) Tj ETQq1 1 0.784314 rgBT <sub>14</sub> /Overlook	0.3	14
34	High-throughput analysis of 19 endogenous androgenic steroids by ultra-performance convergence chromatography tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1031, 131-138.	1.2	69
35	The major phenolic compound of the roots and leaves of <i>Rafnia amplexicaulis</i> (Fabaceae), a liquorice substitute and traditional tea used in Cape Herbal Medicine. <i>South African Journal of Botany</i> , 2015, 100, 75-79.	1.2	7
36	Development of a novel liquid/liquid extraction and ultra-performance liquid chromatography tandem mass spectrometry method for the assessment of thiols in South African Sauvignon Blanc wines. <i>Australian Journal of Grape and Wine Research</i> , 2015, 21, 40-48.	1.0	18

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37	Comprehensive Two-Dimensional Hydrophilic Interaction Chromatography (HILIC) – Reversed-Phase Liquid Chromatography Coupled to High-Resolution Mass Spectrometry (RP-LC-UV-MS) Analysis of Anthocyanins and Derived Pigments in Red Wine. <i>Analytical Chemistry</i> , 2015, 87, 12006-12015.	3.2	72
38	Determination of sotolon content in South African white wines by two novel HPLC–UV and UPLC–MS methods. <i>Food Chemistry</i> , 2015, 169, 180-186.	4.2	11
39	Comprehensive Phenolic Profiling of <i>Cyclopia genistoides</i> (L.) Vent. by LC-DAD-MS and -MS/MS Reveals Novel Xanthone and Benzophenone Constituents. <i>Molecules</i> , 2014, 19, 11760-11790.	1.7	97
40	Speciation of [PtIVCl <sub>6-n</sub> Br <sub>n</sub> ] <sup>2-</sup> (n = 0-6) and some of their mono-aquated [PtIVCl <sub>5-n</sub> Br <sub>n</sub> (H <sub>2</sub> O)] <sup>-</sup> (n = 0-5) anions in solution at low concentrations by means of ion-pairing reversed-phase ultra-high-performance liquid chromatography coupled to electrospray ion. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 505-519.	0.7	1
41	Effect of strigolactones and auxins on growth and metabolite content of <i>Sutherlandia frutescens</i> (L.) R. Br. microplants in vitro. <i>Plant Cell, Tissue and Organ Culture</i> , 2014, 117, 401-409.	1.2	12
42	Preharvest and postharvest factors influencing bioactive compounds in pomegranate ( <i>Punica</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542	1.7	63
43	Comprehensive two-dimensional liquid chromatographic analysis of anthocyanins. <i>Journal of Chromatography A</i> , 2014, 1359, 189-201.	1.8	57
44	Effect of fruit maturity and growing location on the postharvest contents of flavonoids, phenolic acids, vitamin C and antioxidant activity of pomegranate juice (cv. Wonderful). <i>Scientia Horticulturae</i> , 2014, 179, 36-45.	1.7	89
45	Hydrophilic interaction chromatographic analysis of anthocyanins. <i>Journal of Chromatography A</i> , 2013, 1319, 127-140.	1.8	50
46	Toward Unraveling Grape Tannin Composition: Application of Online Hydrophilic Interaction Chromatography – Reversed-Phase Liquid Chromatography – Time-of-Flight Mass Spectrometry for Grape Seed Analysis. <i>Analytical Chemistry</i> , 2013, 85, 9107-9115.	3.2	60
47	Evaluating the influence of maceration practices on biogenic amine formation in wine. <i>LWT - Food Science and Technology</i> , 2013, 53, 297-307.	2.5	20
48	Manipulation of the tyrothricin production profile of <i>Bacillus aneurinolyticus</i> . <i>Microbiology (United Kingdom)</i> , 2013, 159, 2200-2211.	0.7	17
49	Assessment of glutathione levels in model solution and grape ferments supplemented with glutathione-enriched inactive dry yeast preparations using a novel UPLC-MS/MS method. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2013, 30, 80-92.	1.1	27
50	Survey of South African fruit juices using a fast screening HILIC-MS method. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2013, 30, 1473-1484.	1.1	19
51	Direct surfactin – gramicidin S antagonism supports detoxification in mixed producer cultures of <i>Bacillus subtilis</i> and <i>Aneurinibacillus migulanus</i> . <i>Microbiology (United Kingdom)</i> , 2012, 158, 3072-3082.	0.7	7
52	Notes on the occurrence and significance of triterpenoids (asiaticoside and related compounds) and caffeoylquinic acids in <i>Centella</i> species. <i>South African Journal of Botany</i> , 2012, 82, 53-59.	1.2	42
53	LC–MS-based metabolomics assists with quality assessment and traceability of wild and cultivated plants of <i>Sutherlandia frutescens</i> (Fabaceae). <i>South African Journal of Botany</i> , 2012, 82, 33-45.	1.2	38
54	Resistance in Maize Inbred Lines to <i>Fusarium verticillioides</i> and Fumonisin Accumulation in South Africa. <i>Plant Disease</i> , 2012, 96, 881-888.	0.7	39

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55	Food Ingredient Extracts of <i>Cyclopia subternata</i> (Honeybush): Variation in Phenolic Composition and Antioxidant Capacity. <i>Molecules</i> , 2012, 17, 14602-14624.	1.7	101
56	Advanced ultra high pressure liquid chromatography-tandem mass spectrometric methods for the screening of red wine anthocyanins and derived pigments. <i>Journal of Chromatography A</i> , 2012, 1235, 92-102.	1.8	45
57	Quantification of melamine absorption, distribution to tissues, and excretion by sheep1. <i>Journal of Animal Science</i> , 2011, 89, 2164-2169.	0.2	15
58	Development of a novel solid-phase extraction, LC-MS/MS method for the analysis of ethyl carbamate in alcoholic beverages: application to South African wine and spirits. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2011, 28, 826-839.	1.1	36
59	Nitrogen supply and abiotic stress influence canavanine synthesis and the productivity of in vitro regenerated <i>Sutherlandia frutescens</i> microshoots. <i>Journal of Plant Physiology</i> , 2010, 167, 1521-1524.	1.6	25
60	Evidence of Symbiosis Between the Soil Yeast <i>Cryptococcus laurentii</i> and a Sclerophyllous Medicinal Shrub, <i>Agathosma betulina</i> (Berg.) Pillans. <i>Microbial Ecology</i> , 2009, 57, 624-632.	1.4	74
61	Survey of 3-Alkyl-2-methoxypyrazine Content of South African Sauvignon Blanc Wines Using a Novel LC-APCI-MS/MS Method. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 9347-9355.	2.4	37
62	Hot topic: Pathway confirmed for the transmission of melamine from feed to cow's milk. <i>Journal of Dairy Science</i> , 2009, 92, 2046-2050.	1.4	40
63	The development of an ultra performance liquid chromatography-coupled atmospheric pressure chemical ionization mass spectrometry assay for seven adrenal steroids. <i>Analytical Biochemistry</i> , 2008, 372, 11-20.	1.1	31
64	Inhibition of malaria parasite blood stages by tyrocidines, membrane-active cyclic peptide antibiotics from <i>Bacillus brevis</i> . <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2007, 1768, 1488-1497.	1.4	39
65	Using LC-MSMS To Assess Glutathione Levels in South African White Grape Juices and Wines Made with Different Levels of Oxygen. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 2765-2769.	2.4	82
66	Mammalian exocrine secretions. XVII: chemical characterization of preorbital secretion of male suni, <i>Neotragus moschatus</i> . <i>Journal of Chemical Ecology</i> , 2002, 28, 89-101.	0.9	12
67	A Kinetic Study into the Hydrolysis of the Ochratoxins and Analogues by Carboxypeptidase A. <i>Chemical Research in Toxicology</i> , 2001, 14, 302-304.	1.7	47
68	Toxicokinetics of ochratoxin A in vervet monkeys ( <i>Cercopithecus aethiops</i> ). <i>Archives of Toxicology</i> , 2001, 75, 262-269.	1.9	30
69	Screening of Commercial Hydrolases for the Degradation of Ochratoxin A. <i>Journal of Agricultural and Food Chemistry</i> , 2000, 48, 5736-5739.	2.4	99
70	Influence of Halogen Salts on the Production of the Ochratoxins by <i>Aspergillus ochraceus</i> Will.. <i>Journal of Agricultural and Food Chemistry</i> , 2000, 48, 1865-1871.	2.4	28