Toi John Tsilo

List of Publications by Year
in descending order

59 papers	1,687 citations	394286 19 h-index	302012 39 g-index
64 all docs	64 docs citations	64 times ranked	1950 citing authors

#	Article	IF	Citations
1	Fusarium head blight of wheat: Pathogenesis and control strategies. Crop Protection, 2017, 91, 114-122.	1.0	216
2	Screening of Bread Wheat Genotypes for Drought Tolerance Using Phenotypic and Proline Analyses. Frontiers in Plant Science, 2016, 7, 1276.	1.7	188
3	Genome-wide association analysis of agronomic traits in wheat under drought-stressed and non-stressed conditions. PLoS ONE, 2017, 12, e0171692.	1.1	138
4	Breeding wheat for drought tolerance: Progress and technologies. Journal of Integrative Agriculture, 2016, 15, 935-943.	1.7	137
5	Genome mapping of kernel characteristics in hard red spring wheat breeding lines. Theoretical and Applied Genetics, 2010, 121, 717-730.	1.8	118
6	Nested Association Mapping of Stem Rust Resistance in Wheat Using Genotyping by Sequencing. PLoS ONE, 2016, 11, e0155760.	1.1	107
7	Diagnostic Microsatellite Markers for the Detection of Stem Rust Resistance Gene Sr36 in Diverse Genetic Backgrounds of Wheat. Crop Science, 2008, 48, 253-261.	0.8	93
8	Identification and validation of SSR markers linked to the stem rust resistance gene Sr6 on the short arm of chromosome 2D in wheat. Theoretical and Applied Genetics, 2009, 118, 515-524.	1.8	56
9	Quantitative trait loci influencing endosperm texture, dough-mixing strength, and bread-making properties of the hard red spring wheat breeding lines. Genome, 2011, 54, 460-470.	0.9	53
10	Genetic Mapping and QTL Analysis of Flour Color and Milling Yield Related Traits Using Recombinant Inbred Lines in Hard Red Spring Wheat. Crop Science, 2011, 51, 237-246.	0.8	49
11	Inheritance of resistance to Ug99 stem rust in wheat cultivar Norin 40 and genetic mapping of Sr42. Theoretical and Applied Genetics, 2012, 125, 817-824.	1.8	46
12	Microsatellite Markers Linked to Stem Rust Resistance Allele Sr9a in Wheat. Crop Science, 2007, 47, 2013-2020.	0.8	45
13	Molecular Mapping and Improvement of Leaf Rust Resistance in Wheat Breeding Lines. Phytopathology, 2014, 104, 865-870.	1.1	37
14	Genetic Improvement of Wheat for Drought Tolerance: Progress, Challenges and Opportunities. Plants, 2022, 11, 1331.	1.6	34
15	Characterization of tabanid flies (Diptera: Tabanidae) in South Africa and Zambia and detection of protozoan parasites they are harbouring. Parasitology, 2017, 144, 1162-1178.	0.7	31
16	Importance of bovine mastitis in Africa. Animal Health Research Reviews, 2017, 18, 58-69.	1.4	30
17	Association of Sizeâ€Exclusion HPLC of Endosperm Proteins with Dough Mixing and Breadmaking Characteristics in a Recombinant Inbred Population of Hard Red Spring Wheat. Cereal Chemistry, 2010, 87, 104-111.	1.1	29
18	Combining ability and gene action controlling yield and yield components in bread wheat (Triticum) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.0	23

#	Article	IF	Citations
19	Breeding Wheat for Durable Leaf Rust Resistance in Southern Africa: Variability, Distribution, Current Control Strategies, Challenges and Future Prospects. Frontiers in Plant Science, 2020, 11, 549.	1.7	22
20	Molecular genetic mapping of QTL associated with flour water absorption and farinograph related traits in bread wheat. Euphytica, 2013, 194, 293-302.	0.6	21
21	Genome-wide functional analysis inCandida albicans. Virulence, 2017, 8, 1563-1579.	1.8	18
22	Genetic resources and breeding methodologies for improving drought tolerance in wheat. Journal of Crop Improvement, 2017, 31, 648-672.	0.9	18
23	Establishment and Characterization of Callus and Cell Suspension Cultures of Selected Sorghum bicolor (L.) Moench Varieties: A Resource for Gene Discovery in Plant Stress Biology. Agronomy, 2019, 9, 218.	1.3	17
24	Identification of Flanking Markers for the Stem Rust Resistance Gene Sr6 in Wheat. Crop Science, 2010, 50, 1967-1970.	0.8	14
25	Variance components and heritability of yield and yield components of wheat under drought-stressed and non-stressed conditions. Australian Journal of Crop Science, 2017, 11, 1425-1430.	0.1	13
26	Soil fertility constraints and yield gaps of irrigation wheat in South Africa. South African Journal of Science, 2017, 113, 9.	0.3	12
27	Genetic Advancement of Newly Developed Wheat Populations Under Drought-Stressed and Non-Stressed Conditions. Journal of Crop Science and Biotechnology, 2019, 22, 169-176.	0.7	12
28	Largeâ€scale molecular genetic analysis in plantâ€pathogenic fungi: a decade of genomeâ€wide functional analysis. Molecular Plant Pathology, 2017, 18, 754-764.	2.0	11
29	Identifying high-yielding dryland wheat cultivars for the summer rainfall area of South Africa. South African Journal of Plant and Soil, 2016, 33, 77-81.	0.4	9
30	Genetic progress of spring wheat grain yield in various production regions of South Africa. South African Journal of Plant and Soil, 2019, 36, 33-39.	0.4	9
31	Irrigation wheat production constraints and opportunities in South Africa. South African Journal of Science, 2020, 116, .	0.3	8
32	Correlation and path coefficient analyses of yield and yield components in drought-tolerant bread wheat populations. South African Journal of Plant and Soil, 2019, 36, 367-374.	0.4	6
33	Relationship of grain micronutrient concentrations and grain yield components in a doubled haploid bread wheat (Triticum aestivum) population. Crop and Pasture Science, 2021, , .	0.7	6
34	Wheat stem rust in South Africa: Current status and future research directions. African Journal of Biotechnology, 2014, 13, 4188-4199.	0.3	5
35	Breeding for silicon-use efficiency, protein content and drought tolerance in bread wheat () Tj ETQq1 1 0.784314 rgBT /Overlock 10 T Science, 2022, 72, 17-29.	0.3	5
36	Quantitative trait loci influencing end-use quality traits of hard red spring wheat breeding lines. Czech Journal of Genetics and Plant Breeding, 2011, 47, S190-S195.	0.4	4

#	Article	IF	Citations
37	Elusive Diagnostic Markers for Russian Wheat Aphid Resistance in Bread Wheat: Deliberating and Reviewing the Status Quo. International Journal of Molecular Sciences, 2020, 21, 8271.	1.8	4
38	Genetic diversity in sorghum (Sorghum bicolor L. Moench) accessions using SNP based Kompetitive allele-specific (KASP) markers. Australian Journal of Crop Science, 2021, , 890-898.	0.1	4
39	Characterization of vegetative vigor of two doubled-haploid wheat populations. Journal of Crop Improvement, 0, , 1-19.	0.9	4
40	Registration of the MN98550â€“5/MN99394â€“1 Wheat Recombinant Inbred Mapping Population. Journal of Plant Registrations, 2011, 5, 257-260.	0.4	4
41	Adult plant resistance of selected Kenyan wheat cultivars to leaf rust and stem rust diseases. Cereal Research Communications, 2017, 45, 68-82.	0.8	3
42	Functional insights into theMagnaporthe oryzaeclass II myosin. Virulence, 2017, 8, 1091-1095.	1.8	3
43	Achieving Sustainability and Biodiversity Conservation in Agriculture: Importance, Challenges and Prospects. European Journal of Sustainable Development (discontinued), 2020, 9, 616.	0.4	3
44	Genomic Regions Influencing Preharvest Sprouting Tolerance in Two Doubled-Haploid Wheat Populations (Triticum aestivum L.). Agronomy, 2022, 12, 832.	1.3	3
45	Integration of Next-generation Sequencing Technologies with Comparative Genomics in Cereals. , 2016, , .		2
46	Progress and Challenges in Improving Nutritional Quality in Wheat. , 2017, , .		2
47	Impact of Growth Habit and Architecture Genes on Adaptation and Performance of Bread Wheat. , 0, , .		2
48	Assessment of genetic diversity in sorghum germplasm using agro-morphological traits. South African Journal of Plant and Soil, 2020, 37, 376-388.	0.4	2
49	Pathogenicity of Beauveria bassiana (Hypocreales: Cordycipitaceae) against the Russian Wheat Aphid, Diuraphis noxia (Hemiptera: Aphididae). African Entomology, 2020, 28, .	0.6	2
50	Comparison of wheat growth-response to endophytic Beauveria bassiana (Hypocreales:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td (C 1793-1802.	0.1	2
51	Spatio-seasonal variations in the faecal bacterial community of Zulu sheep grazing in communally managed rangeland. South African Journal of Science, 2020, 116, .	0.3	2
52	Response of Bread Wheat Genotypes for Drought and Low Nitrogen Stress Tolerance. Agronomy, 2022, 12, 1384.	1.3	2
53	Polymeric proteins and their association with grain yield in hard red spring wheat lines. Euphytica, 2013, 194, 187-196.	0.6	1
54	Adult plant resistance to leaf rust and stem rust of wheat in a newly developed recombinant inbred line population. South African Journal of Plant and Soil, 2018, 35, 111-119.	0.4	1

#	Article	IF	Citations
55	Diagnostic Microsatellite Markers for the Detection of Stem Rust Resistance Gene Sr36 in Diverse Genetic Backgrounds of Wheat. , 2008, 48, 253.		1
56	Physiological responses of irrigated wheat (Triticum aestivum L.) genotypes to water stress. Acta Agriculturae Scandinavica - Section B Soil and Plant Science, 2018, 68, 524-533.	0.3	0
57	Registration of KUWNSr, a wheat stem rust nested association mapping population. Journal of Plant Registrations, 2020, 14, 467-473.	0.4	0
58	Assessment of Fusarium head blight resistance in newly developed recombinant inbred lines of wheat. Cereal Research Communications, 0, , 1-15.	0.8	0
59	Assessment of Fusarium head blight resistance in newly developed recombinant inbred lines of wheat. Cereal Research Communications, 2019, 47, 277-291.	0.8	0