

Toi John Tsilo

List of Publications by Year in descending order

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Version: 2024-02-01

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	Breeding for silicon-use efficiency, protein content and drought tolerance in bread wheat (Triticum aestivum L.) using a genome-wide association study. <i>Science</i> , 2022, 72, 17-29.	0.784314	10
2	Genomic Regions Influencing Preharvest Sprouting Tolerance in Two Doubled-Haploid Wheat Populations (<i>Triticum aestivum</i> L.). <i>Agronomy</i> , 2022, 12, 832.	1.3	3
3	Genetic Improvement of Wheat for Drought Tolerance: Progress, Challenges and Opportunities. <i>Plants</i> , 2022, 11, 1331.	1.6	34
4	Response of Bread Wheat Genotypes for Drought and Low Nitrogen Stress Tolerance. <i>Agronomy</i> , 2022, 12, 1384.	1.3	2
5	Genetic diversity in sorghum (<i>Sorghum bicolor</i> L. Moench) accessions using SNP based Kompetitive allele-specific (KASP) markers. <i>Australian Journal of Crop Science</i> , 2021, , 890-898.	0.1	4
6	Relationship of grain micronutrient concentrations and grain yield components in a doubled haploid bread wheat (<i>Triticum aestivum</i>) population. <i>Crop and Pasture Science</i> , 2021, , .	0.7	6
7	Registration of KLUWNSr, a wheat stem rust nested association mapping population. <i>Journal of Plant Registrations</i> , 2020, 14, 467-473.	0.4	0
8	Elusive Diagnostic Markers for Russian Wheat Aphid Resistance in Bread Wheat: Deliberating and Reviewing the Status Quo. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8271.	1.8	4
9	Assessment of genetic diversity in sorghum germplasm using agro-morphological traits. <i>South African Journal of Plant and Soil</i> , 2020, 37, 376-388.	0.4	2
10	Breeding Wheat for Durable Leaf Rust Resistance in Southern Africa: Variability, Distribution, Current Control Strategies, Challenges and Future Prospects. <i>Frontiers in Plant Science</i> , 2020, 11, 549.	1.7	22
11	Pathogenicity of <i>Beauveria bassiana</i> (Hypocreales: Cordycipitaceae) against the Russian Wheat Aphid, <i>Diuraphis noxia</i> (Hemiptera: Aphididae). <i>African Entomology</i> , 2020, 28, .	0.6	2
12	Spatio-seasonal variations in the faecal bacterial community of Zulu sheep grazing in communally managed rangeland. <i>South African Journal of Science</i> , 2020, 116, .	0.3	2
13	Irrigation wheat production constraints and opportunities in South Africa. <i>South African Journal of Science</i> , 2020, 116, .	0.3	8
14	Achieving Sustainability and Biodiversity Conservation in Agriculture: Importance, Challenges and Prospects. <i>European Journal of Sustainable Development (discontinued)</i> , 2020, 9, 616.	0.4	3
15	Correlation and path coefficient analyses of yield and yield components in drought-tolerant bread wheat populations. <i>South African Journal of Plant and Soil</i> , 2019, 36, 367-374.	0.4	6
16	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. <i>Agronomy</i> , 2019, 9, 218.	1.3	17
17	Genetic Advancement of Newly Developed Wheat Populations Under Drought-Stressed and Non-Stressed Conditions. <i>Journal of Crop Science and Biotechnology</i> , 2019, 22, 169-176.	0.7	12
18	Genetic progress of spring wheat grain yield in various production regions of South Africa. <i>South African Journal of Plant and Soil</i> , 2019, 36, 33-39.	0.4	9

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19	Assessment of <i>Fusarium</i> head blight resistance in newly developed recombinant inbred lines of wheat. <i>Cereal Research Communications</i> , 2019, 47, 277-291.	0.8	0
20	Comparison of wheat growth-response to endophytic <i>Beauveria bassiana</i> (Hypocreales) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td (C 1793-1802.	0.1	2
21	Physiological responses of irrigated wheat (<i>Triticum aestivum</i> L.) genotypes to water stress. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2018, 68, 524-533.	0.3	0
22	Adult plant resistance to leaf rust and stem rust of wheat in a newly developed recombinant inbred line population. <i>South African Journal of Plant and Soil</i> , 2018, 35, 111-119.	0.4	1
23	Combining ability and gene action controlling yield and yield components in bread wheat (<i>Triticum</i>) Tj ETQq1 1 0,784314,rgBT /Over	1.0	28
24	Genome-wide functional analysis in <i>Candida albicans</i> . <i>Virulence</i> , 2017, 8, 1563-1579.	1.8	18
25	Adult plant resistance of selected Kenyan wheat cultivars to leaf rust and stem rust diseases. <i>Cereal Research Communications</i> , 2017, 45, 68-82.	0.8	3
26	Characterization of tabanid flies (Diptera: Tabanidae) in South Africa and Zambia and detection of protozoan parasites they are harbouring. <i>Parasitology</i> , 2017, 144, 1162-1178.	0.7	31
27	Importance of bovine mastitis in Africa. <i>Animal Health Research Reviews</i> , 2017, 18, 58-69.	1.4	30
28	Functional insights into the <i>Magnaporthe oryzae</i> class II myosin. <i>Virulence</i> , 2017, 8, 1091-1095.	1.8	3
29	Genetic resources and breeding methodologies for improving drought tolerance in wheat. <i>Journal of Crop Improvement</i> , 2017, 31, 648-672.	0.9	18
30	<i>Fusarium</i> head blight of wheat: Pathogenesis and control strategies. <i>Crop Protection</i> , 2017, 91, 114-122.	1.0	216
31	Large-scale molecular genetic analysis in plant-pathogenic fungi: a decade of genome-wide functional analysis. <i>Molecular Plant Pathology</i> , 2017, 18, 754-764.	2.0	11
32	Progress and Challenges in Improving Nutritional Quality in Wheat. , 2017, , .		2
33	Soil fertility constraints and yield gaps of irrigation wheat in South Africa. <i>South African Journal of Science</i> , 2017, 113, 9.	0.3	12
34	Genome-wide association analysis of agronomic traits in wheat under drought-stressed and non-stressed conditions. <i>PLoS ONE</i> , 2017, 12, e0171692.	1.1	138
35	Variance components and heritability of yield and yield components of wheat under drought-stressed and non-stressed conditions. <i>Australian Journal of Crop Science</i> , 2017, 11, 1425-1430.	0.1	13
36	Integration of Next-generation Sequencing Technologies with Comparative Genomics in Cereals. , 2016, , .		2

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37	Nested Association Mapping of Stem Rust Resistance in Wheat Using Genotyping by Sequencing. PLoS ONE, 2016, 11, e0155760.	1.1	107
38	Screening of Bread Wheat Genotypes for Drought Tolerance Using Phenotypic and Proline Analyses. Frontiers in Plant Science, 2016, 7, 1276.	1.7	188
39	Breeding wheat for drought tolerance: Progress and technologies. Journal of Integrative Agriculture, 2016, 15, 935-943.	1.7	137
40	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
41	Molecular Mapping and Improvement of Leaf Rust Resistance in Wheat Breeding Lines. Phytopathology, 2014, 104, 865-870.	1.1	37
42	Wheat stem rust in South Africa: Current status and future research directions. African Journal of Biotechnology, 2014, 13, 4188-4199.	0.3	5
43	Polymeric proteins and their association with grain yield in hard red spring wheat lines. Euphytica, 2013, 194, 187-196.	0.6	1
44	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
45	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
46	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
47	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
48	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
49	Registration of the MN98550â€“5/MN99394â€“1 Wheat Recombinant Inbred Mapping Population. Journal of Plant Registrations, 2011, 5, 257-260.	0.4	4
50	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
51	Genome mapping of kernel characteristics in hard red spring wheat breeding lines. Theoretical and Applied Genetics, 2010, 121, 717-730.	1.8	118
52	Identification of Flanking Markers for the Stem Rust Resistance Gene <i>Sr6</i> in Wheat. Crop Science, 2010, 50, 1967-1970.	0.8	14
53	Identification and validation of SSR markers linked to the stem rust resistance gene <i>Sr6</i> on the short arm of chromosome 2D in wheat. Theoretical and Applied Genetics, 2009, 118, 515-524.	1.8	56
54	Diagnostic Microsatellite Markers for the Detection of Stem Rust Resistance Gene <i>Sr36</i> in Diverse Genetic Backgrounds of Wheat. Crop Science, 2008, 48, 253-261.	0.8	93

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55	Diagnostic Microsatellite Markers for the Detection of Stem Rust Resistance Gene Sr36 in Diverse Genetic Backgrounds of Wheat. , 2008, 48, 253.		1
56	Microsatellite Markers Linked to Stem Rust Resistance Allele <i>Sr9a</i> in Wheat. Crop Science, 2007, 47, 2013-2020.	0.8	45
57	Impact of Growth Habit and Architecture Genes on Adaptation and Performance of Bread Wheat. , 0, , .		2
58	Characterization of vegetative vigor of two doubled-haploid wheat populations. Journal of Crop Improvement, 0, , 1-19.	0.9	4
59	Assessment of Fusarium head blight resistance in newly developed recombinant inbred lines of wheat. Cereal Research Communications, 0, , 1-15.	0.8	0