

# Ndiko Ludidi

## List of Publications by Year in descending order

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24  
papers

890  
citations

567281  
15  
h-index

610901  
24  
g-index

24  
all docs

24  
docs citations

24  
times ranked

957  
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of a Novel Protein with Guanylyl Cyclase Activity in <i>Arabidopsis thaliana</i> . <i>Journal of Biological Chemistry</i> , 2003, 278, 6490-6494.	3.4	163
2	Salt and osmotic stress cause rapid increases in <i>Arabidopsis thaliana</i> cGMP levels. <i>FEBS Letters</i> , 2004, 569, 317-320.	2.8	160
3	Identification of a novel <i>Arabidopsis thaliana</i> nitric oxide-binding molecule with guanylate cyclase activity <i>in vitro</i> . <i>FEBS Letters</i> , 2011, 585, 2693-2697.	2.8	77
4	Modelling predicts that soybean is poised to dominate crop production across Africa. <i>Plant, Cell and Environment</i> , 2019, 42, 373-385.	5.7	47
5	Caspase-like enzymatic activity and the ascorbate-glutathione cycle participate in salt stress tolerance of maize conferred by exogenously applied nitric oxide. <i>Plant Signaling and Behavior</i> , 2012, 7, 349-360.	2.4	45
6	A Recombinant Plant Natriuretic Peptide Causes Rapid and Spatially Differentiated K <sup>+</sup> , Na <sup>+</sup> and H <sup>+</sup> Flux Changes in <i>Arabidopsis thaliana</i> Roots. <i>Plant and Cell Physiology</i> , 2004, 45, 1093-1098.	3.1	43
7	Gibberellic acid and cGMP-dependent transcriptional regulation in <i>Arabidopsis thaliana</i> . <i>Plant Signaling and Behavior</i> , 2010, 5, 224-232.	2.4	40
8	Decoding Heavy Metal Stress Signalling in Plants: Towards Improved Food Security and Safety. <i>Plants</i> , 2020, 9, 1781.	3.5	39
9	Common bean as a potential crop for future food security: an overview of past, current and future contributions in genomics, transcriptomics, transgenics and proteomics. <i>Biotechnology and Biotechnological Equipment</i> , 2021, 35, 759-787.	1.3	39
10	Nitric oxide synthase activity is required for development of functional nodules in soybean. <i>Journal of Plant Physiology</i> , 2010, 167, 1584-1591.	3.5	37
11	Drought and exogenous abscisic acid alter hydrogen peroxide accumulation and differentially regulate the expression of two maize RD22-like genes. <i>Scientific Reports</i> , 2017, 7, 8821.	3.3	36
12	Nitric oxide increases the enzymatic activity of three ascorbate peroxidase isoforms in soybean root nodules. <i>Plant Signaling and Behavior</i> , 2011, 6, 956-961.	2.4	30
13	Response of soybean nodules to exogenously applied caffeic acid during NaCl-induced salinity. <i>South African Journal of Botany</i> , 2015, 96, 13-18.	2.5	26
14	Caffeic acid decreases salinity-induced root nodule superoxide radical accumulation and limits salinity-induced biomass reduction in soybean. <i>Acta Physiologiae Plantarum</i> , 2013, 35, 3059-3066.	2.1	18
15	Genetic Diversity, Population Structure and Marker-Trait Association for 100-Seed Weight in International Safflower Panel Using SilicoDART Marker Information. <i>Plants</i> , 2020, 9, 652.	3.5	18
16	Nitric oxide affects salt-induced changes in free amino acid levels in maize. <i>Journal of Plant Physiology</i> , 2013, 170, 1020-1027.	3.5	16
17	Inhibition of NOS-like activity in maize alters the expression of genes involved in H <sub>2</sub> O <sub>2</sub> scavenging and glycine betaine biosynthesis. <i>Scientific Reports</i> , 2018, 8, 12628.	3.3	12
18	Capacity to control oxidative stress-induced caspase-like activity determines the level of tolerance to salt stress in two contrasting maize genotypes. <i>Acta Physiologiae Plantarum</i> , 2013, 35, 31-40.	2.1	10

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19	Endogenous NO levels regulate nodule functioning. <i>Plant Signaling and Behavior</i> , 2010, 5, 1679-1681.	2.4	8
20	Evaluation of the Morpho-Physiological, Biochemical and Molecular Responses of Contrasting <i>Medicago truncatula</i> Lines under Water Deficit Stress. <i>Plants</i> , 2021, 10, 2114.	3.5	7
21	Modification of cadaverine content by NO in salt-stressed maize. <i>Plant Signaling and Behavior</i> , 2014, 9, e27598.	2.4	6
22	Morpho-Physiological, Biochemical, and Genetic Responses to Salinity in <i>Medicago truncatula</i> . <i>Plants</i> , 2021, 10, 808.	3.5	6
23	Exogenous 3,3'-Diindolylmethane Improves Vanadium Stress Tolerance in <i>Brassica napus</i> Seedling Shoots by Modulating Antioxidant Enzyme Activities. <i>Biomolecules</i> , 2021, 11, 436.	4.0	5
24	Measurement of Nitric Oxide in Plant Tissue Using Difluorofluorescein and Oxyhemoglobin. <i>Methods in Molecular Biology</i> , 2013, 1016, 253-259.	0.9	2