

Tina Kyndt

List of Publications by Year in descending order

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96
papers

4,444
citations

87723

38
h-index

118652

62
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100
all docs

100
docs citations

100
times ranked

3513
citing authors

#	ARTICLE	IF	CITATIONS
1	The Jasmonate Pathway Is a Key Player in Systemically Induced Defense against Root Knot Nematodes in Rice. <i>Plant Physiology</i> , 2011, 157, 305-316.	2.3	318
2	The genome of cultivated sweet potato contains <i>Agrobacterium</i> T-DNAs with expressed genes: An example of a naturally transgenic food crop. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 5844-5849.	3.3	236
3	Nematode feeding sites: unique organs in plant roots. <i>Planta</i> , 2013, 238, 807-818.	1.6	158
4	Transcriptional reprogramming by root knot and migratory nematode infection in rice. <i>New Phytologist</i> , 2012, 196, 887-900.	3.5	157
5	<i>Meloidogyne graminicola</i> : a major threat to rice agriculture. <i>Molecular Plant Pathology</i> , 2017, 18, 3-15.	2.0	134
6	Folk Classification, Perception, and Preferences of Baobab Products in West Africa: Consequences for Species Conservation and Improvement. <i>Economic Botany</i> , 2008, 62, 74-84.	0.8	130
7	Transcriptional analysis through RNA sequencing of giant cells induced by <i>Meloidogyne graminicola</i> in rice roots. <i>Journal of Experimental Botany</i> , 2013, 64, 3885-3898.	2.4	128
8	Plant-Parasitic Nematode Infections in Rice: Molecular and Cellular Insights. <i>Annual Review of Phytopathology</i> , 2014, 52, 135-153.	3.5	123
9	Abscisic acid interacts antagonistically with classical defense pathways in rice–migratory nematode interaction. <i>New Phytologist</i> , 2012, 196, 901-913.	3.5	120
10	Brassinosteroids Suppress Rice Defense Against Root-Knot Nematodes Through Antagonism With the Jasmonate Pathway. <i>Molecular Plant-Microbe Interactions</i> , 2013, 26, 106-115.	1.4	118
11	Patterns of Genetic and Morphometric Diversity in Baobab (<i>Adansonia digitata</i>) Populations Across Different Climatic Zones of Benin (West Africa). <i>Annals of Botany</i> , 2006, 97, 819-830.	1.4	110
12	Biochar-amended potting medium reduces the susceptibility of rice to root-knot nematode infections. <i>BMC Plant Biology</i> , 2015, 15, 267.	1.6	92
13	AFLP analysis of genetic relationships among papaya and its wild relatives (Caricaceae) from Ecuador. <i>Theoretical and Applied Genetics</i> , 2002, 105, 289-297.	1.8	88
14	Occurrence of DNA methylation in <i>Daphnia magna</i> and influence of multigeneration Cd exposure. <i>Environment International</i> , 2009, 35, 700-706.	4.8	87
15	Vitamin C in Plants: Novel Concepts, New Perspectives, and Outstanding Issues. <i>Antioxidants and Redox Signaling</i> , 2020, 32, 463-485.	2.5	84
16	The Induced Resistance Lexicon: Do TM s and Don TM ts. <i>Trends in Plant Science</i> , 2021, 26, 685-691.	4.3	84
17	Phylogenetic analysis of the highland papayas (<i>Vasconcellea</i>) and allied genera (Caricaceae) using PCR-RFLP. <i>Theoretical and Applied Genetics</i> , 2004, 108, 1473-1486.	1.8	76
18	Comparing systemic defence-related gene expression changes upon migratory and sedentary nematode attack in rice. <i>Plant Biology</i> , 2012, 14, 73-82.	1.8	76

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19	<i>CCS52</i> and <i>DEL1</i> genes are key components of the endocycle in nematode-induced feeding sites. <i>Plant Journal</i> , 2012, 72, 185-198.	2.8	75
20	Î ² -Aminobutyric Acid-Induced Resistance Against Root-Knot Nematodes in Rice Is Based on Increased Basal Defense. <i>Molecular Plant-Microbe Interactions</i> , 2015, 28, 519-533.	1.4	75
21	Gibberellin antagonizes jasmonate-induced defense against <i>Meloidogyne graminicola</i> in rice. <i>New Phytologist</i> , 2018, 218, 646-660.	3.5	71
22	Identification of candidate effector genes in the transcriptome of the rice root knot nematode <i>Meloidogyne graminicola</i> . <i>Molecular Plant Pathology</i> , 2013, 14, 379-390.	2.0	69
23	Redirection of auxin flow in <i>Arabidopsis thaliana</i> roots after infection by root-knot nematodes. <i>Journal of Experimental Botany</i> , 2016, 67, 4559-4570.	2.4	69
24	Women's Traditional Knowledge, Use Value, and the Contribution of Tamarind (<i>Tamarindus indica</i> L.) to Rural Households' Cash Income in Benin. <i>Economic Botany</i> , 2010, 64, 248-259.	0.8	65
25	Interplay between Carotenoids, Abscisic Acid and Jasmonate Guides the Compatible Rice- <i>Meloidogyne graminicola</i> Interaction. <i>Frontiers in Plant Science</i> , 2017, 8, 951.	1.7	58
26	Thiamine-induced priming against root-knot nematode infection in rice involves lignification and hydrogen peroxide generation. <i>Molecular Plant Pathology</i> , 2016, 17, 614-624.	2.0	54
27	Transcriptomic and histological responses of African rice (<i>Oryza glaberrima</i>) to <i>Meloidogyne graminicola</i> provide new insights into root-knot nematode resistance in monocots. <i>Annals of Botany</i> , 2017, 119, 885-899.	1.4	54
28	Evolution of GHF5 endoglucanase gene structure in plant-parasitic nematodes: no evidence for an early domain shuffling event. <i>BMC Evolutionary Biology</i> , 2008, 8, 305.	3.2	50
29	Expressed sequence tags of the peanut pod nematode <i>Ditylenchus africanus</i> : The first transcriptome analysis of an Anguinid nematode. <i>Molecular and Biochemical Parasitology</i> , 2009, 167, 32-40.	0.5	50
30	Strigolactones enhance root-knot nematode (<i>Meloidogyne graminicola</i>) infection in rice by antagonizing the jasmonate pathway. <i>New Phytologist</i> , 2019, 224, 454-465.	3.5	47
31	Spatial genetic structuring of baobab (<i>Adansonia digitata</i> , Malvaceae) in the traditional agroforestry systems of West Africa. <i>American Journal of Botany</i> , 2009, 96, 950-957.	0.8	45
32	Systemic defense activation by COS-OGA in rice against root-knot nematodes depends on stimulation of the phenylpropanoid pathway. <i>Plant Physiology and Biochemistry</i> , 2019, 142, 202-210.	2.8	45
33	Species relationships in the genus <i>Vasconcellea</i> (Caricaceae) based on molecular and morphological evidence. <i>American Journal of Botany</i> , 2005, 92, 1033-1044.	0.8	44
34	Genetic fingerprinting using AFLP cannot distinguish traditionally classified baobab morphotypes. <i>Agroforestry Systems</i> , 2009, 75, 157-165.	0.9	44
35	Natural variation in fruit characteristics, seed germination and seedling growth of <i>Adansonia digitata</i> L. in Benin. <i>New Forests</i> , 2011, 41, 113-125.	0.7	44
36	Genome-wide DNA hypomethylation shapes nematode pattern-triggered immunity in plants. <i>New Phytologist</i> , 2020, 227, 545-558.	3.5	44

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37	A Phytochemical Perspective on Plant Defense Against Nematodes. <i>Frontiers in Plant Science</i> , 2020, 11, 602079.	1.7	43
38	Transcriptome analysis of rice mature root tissue and root tips in early development by massive parallel sequencing. <i>Journal of Experimental Botany</i> , 2012, 63, 2141-2157.	2.4	41
39	Root-knot nematodes induce gall formation by recruiting developmental pathways of post-embryonic organogenesis and regeneration to promote transient pluripotency. <i>New Phytologist</i> , 2020, 227, 200-215.	3.5	41
40	How far a protected area contributes to conserve habitat species composition and population structure of endangered African tree species (Benin, West Africa). <i>Ecological Complexity</i> , 2013, 13, 60-68.	1.4	40
41	Molecular phylogeny and evolution of Caricaceae based on rDNA internal transcribed spacers and chloroplast sequence data. <i>Molecular Phylogenetics and Evolution</i> , 2005, 37, 442-459.	1.2	39
42	Evidence of Natural Hybridization and Introgression between <i>Vasconcellea</i> Species (Caricaceae) from Southern Ecuador Revealed by Chloroplast, Mitochondrial and Nuclear DNA Markers. <i>Annals of Botany</i> , 2006, 97, 793-805.	1.4	38
43	A family of GH5 endo- β -glucanases in the migratory plant-parasitic nematode <i>Radopholus similis</i> . <i>Plant Pathology</i> , 2008, 57, 581-590.	1.2	36
44	Quantitative morphological descriptors confirm traditionally classified morphotypes of <i>Tamarindus indica</i> L. fruits. <i>Genetic Resources and Crop Evolution</i> , 2011, 58, 299-309.	0.8	36
45	Nematode Resistant GM Crops in Industrialised and Developing Countries. , 2011, , 517-541.		35
46	The role of thionins in rice defence against root pathogens. <i>Molecular Plant Pathology</i> , 2015, 16, 870-881.	2.0	33
47	The phenylpropanoid pathway inhibitor piperonylic acid induces broad-spectrum pest and disease resistance in plants. <i>Plant, Cell and Environment</i> , 2021, 44, 3122-3139.	2.8	31
48	Below-Ground Attack by the Root Knot Nematode <i>Meloidogyne graminicola</i> Predisposes Rice to Blast Disease. <i>Molecular Plant-Microbe Interactions</i> , 2017, 30, 255-266.	1.4	28
49	Trace analysis of multi-class phytohormones in <i>Oryza sativa</i> using different scan modes in high-resolution Orbitrap mass spectrometry: method validation, concentration levels, and screening in multiple accessions. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 4527-4539.	1.9	28
50	Trichoderma-Inoculated Miscanthus Straw Can Replace Peat in Strawberry Cultivation, with Beneficial Effects on Disease Control. <i>Frontiers in Plant Science</i> , 2018, 9, 213.	1.7	28
51	Ascorbate oxidation activates systemic defence against root-knot nematode <i>Meloidogyne graminicola</i> in rice. <i>Journal of Experimental Botany</i> , 2020, 71, 4271-4284.	2.4	26
52	Purification and characterization of the cysteine proteinases in the latex of <i>Vasconcellea</i> spp.. <i>FEBS Journal</i> , 2007, 274, 451-462.	2.2	23
53	Analysis of the transcriptome of <i>Hirschmanniella oryzae</i> to explore potential survival strategies and host-nematode interactions. <i>Molecular Plant Pathology</i> , 2014, 15, 352-363.	2.0	23
54	Analysis of fungal endophytes associated with rice roots from irrigated and upland ecosystems in Kenya. <i>Plant and Soil</i> , 2016, 405, 371-380.	1.8	23

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55	<i>AtCDKA;1</i> silencing in <i>Arabidopsis thaliana</i> reduces reproduction of sedentary plantâ€parasitic nematodes. <i>Plant Biotechnology Journal</i> , 2008, 6, 749-757.	4.1	22
56	<i>Vasconcellea</i> . , 2011, , 213-249.		22
57	Mechanisms of resistance in the rice cultivar Manikpukha to the rice stem nematode <i>Ditylenchus angustus</i>. <i>Molecular Plant Pathology</i> , 2018, 19, 1391-1402.	2.0	22
58	Ascorbate Oxidase Induces Systemic Resistance in Sugar Beet Against Cyst Nematode <i>Heterodera schachtii</i> . <i>Frontiers in Plant Science</i> , 2020, 11, 591715.	1.7	22
59	Molecular insights into the compatible and incompatible interactions between sugar beet and the beet cyst nematode. <i>BMC Plant Biology</i> , 2020, 20, 483.	1.6	21
60	The Role of Pseudo-Endoglucanases in the Evolution of Nematode Cell Wall-Modifying Proteins. <i>Journal of Molecular Evolution</i> , 2010, 70, 441-452.	0.8	20
61	Evaluation of Metabarcoding Primers for Analysis of Soil Nematode Communities. <i>Diversity</i> , 2020, 12, 388.	0.7	20
62	Chitin in Strawberry Cultivation: Foliar Growth and Defense Response Promotion, but Reduced Fruit Yield and Disease Resistance by Nutrient Imbalances. <i>Molecular Plant-Microbe Interactions</i> , 2021, 34, 227-239.	1.4	19
63	Cross-species microsatellite amplification in <i>Vasconcellea</i> and related genera and their use in germplasm classification. <i>Genome</i> , 2006, 49, 786-798.	0.9	18
64	Analysis of ITS of the rDNA to infer phylogenetic relationships among Vietnamese Citrus accessions. <i>Genetic Resources and Crop Evolution</i> , 2010, 57, 183-192.	0.8	16
65	The Use of PTI-Marker Genes to Identify Novel Compounds that Establish Induced Resistance in Rice. <i>International Journal of Molecular Sciences</i> , 2020, 21, 317.	1.8	16
66	<i>Vasconcellea</i> for Papaya Improvement. , 2014, , 47-79.		15
67	Jasmonate-Induced Defense Mechanisms in the Belowground Antagonistic Interaction Between <i>Pythium arrhenomanes</i> and <i>Meloidogyne graminicola</i> in Rice. <i>Frontiers in Plant Science</i> , 2019, 10, 1515.	1.7	15
68	Benzoxazinoids selectively affect maize root-associated nematode taxa. <i>Journal of Experimental Botany</i> , 2021, 72, 3835-3845.	2.4	15
69	Short-term effects of cadmium on leaf growth and nutrient transport in rice plants. <i>Plant Science</i> , 2021, 313, 111054.	1.7	15
70	Maternal inheritance of cytoplasmic organelles in intergeneric hybrids of <i>Carica papaya</i> L. and <i>Vasconcellea</i> spp. (Caricaceae Dumort., Brassicales). <i>Euphytica</i> , 2005, 143, 161-168.	0.6	14
71	Genomeâ€wide shifts in histone modifications at early stage of rice infection with <i>Meloidogyne graminicola</i>. <i>Molecular Plant Pathology</i> , 2021, 22, 440-455.	2.0	14
72	Systemic Suppression of the Shoot Metabolism upon Rice Root Nematode Infection. <i>PLoS ONE</i> , 2014, 9, e106858.	1.1	13

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73	Dehydroascorbate induces plant resistance in rice against root-knot nematode <i>Meloidogyne graminicola</i> . <i>Molecular Plant Pathology</i> , 2022, 23, 1303-1319.	2.0	13
74	Transcriptional silencing of RNAi constructs against nematode genes in Arabidopsis. <i>Nematology</i> , 2013, 15, 519-528.	0.2	12
75	An insight into critical endocycle genes for plant-parasitic nematode feeding sites establishment. <i>Plant Signaling and Behavior</i> , 2013, 8, e24223.	1.2	12
76	Chorismate mutase and isochorismatase, two potential effectors of the migratory nematode <i>Hirschmanniella oryzae</i> , increase host susceptibility by manipulating secondary metabolite content of rice. <i>Molecular Plant Pathology</i> , 2020, 21, 1634-1646.	2.0	12
77	Non-coding RNAs in the interaction between rice and <i>Meloidogyne graminicola</i> . <i>BMC Genomics</i> , 2021, 22, 560.	1.2	12
78	Rice diterpenoid phytoalexins are involved in defence against parasitic nematodes and shape rhizosphere nematode communities. <i>New Phytologist</i> , 2022, 235, 1231-1245.	3.5	12
79	Phytohormones selectively affect plant parasitic nematodes associated with Arabidopsis roots. <i>New Phytologist</i> , 2021, 232, 1272-1285.	3.5	11
80	Biochar-Enhanced Resistance to <i>Botrytis cinerea</i> in Strawberry Fruits (But Not Leaves) Is Associated With Changes in the Rhizosphere Microbiome. <i>Frontiers in Plant Science</i> , 2021, 12, 700479.	1.7	11
81	Interactions between the oomycete <i>Pythium arrhenomanes</i> and the rice root-knot nematode <i>Meloidogyne graminicola</i> in aerobic Asian rice varieties. <i>Rice</i> , 2016, 9, 36.	1.7	9
82	Selection of miRNA reference genes for plant defence studies in rice (<i>Oryza sativa</i>). <i>Planta</i> , 2019, 250, 2101-2110.	1.6	9
83	Plant defense priming in the field: a review. , 2021, , 87-124.		9
84	Plant parasitic cyst nematodes redirect host indole metabolism via NADPH oxidase-mediated ROS to promote infection. <i>New Phytologist</i> , 2021, 232, 318-331.	3.5	9
85	Genetic disruption of <i>Arabidopsis</i> secondary metabolite synthesis leads to microbiome-mediated modulation of nematode invasion. <i>ISME Journal</i> , 2022, 16, 2230-2241.	4.4	9
86	Recent Advances in Understanding Plant-Nematode Interactions in Monocots. <i>Advances in Botanical Research</i> , 2015, 73, 189-219.	0.5	8
87	Induced Resistance by Ascorbate Oxidation Involves Potentiating of the Phenylpropanoid Pathway and Improved Rice Tolerance to Parasitic Nematodes. <i>Frontiers in Plant Science</i> , 2021, 12, 713870.	1.7	8
88	Genetic diversity, population structure and taxonomy of <i>Calopteryx splendens</i> (Odonata: Libellulidae). <i>Journal of Insect Conservation</i> , 2012, 10, 142-150.	1.2	8
89	Genetic Evidence of the Contribution of Ethnic Migrations to the Propagation and Persistence of the Rare and Declining Scrambling Shrub <i>Caesalpinia bonduc</i> L. <i>Human Ecology</i> , 2012, 40, 117-128.	0.7	7
90	A high-resolution melt (HRM) assay to characterize CYP51 haplotypes of the wheat pathogen <i>Mycosphaerella graminicola</i> . <i>Crop Protection</i> , 2015, 71, 12-18.	1.0	7

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91	Sensitivity towards DMI fungicides and haplotypic diversity of their CYP51 target in the <i>Mycosphaerella graminicola</i> population of Flanders. <i>Journal of Plant Diseases and Protection</i> , 2014, 121, 156-163.	1.6	6
92	Identification of Bangladeshi rice varieties resistant to ufra disease caused by the nematode <i>Ditylenchus angustus</i> . <i>Crop Protection</i> , 2016, 79, 162-169.	1.0	6
93	Beneficial worm allies warn plants of parasite attack belowground and reduce aboveground herbivore preference and performance. <i>Molecular Ecology</i> , 2021, , .	2.0	5
94	Isolation and characterization of microsatellite loci in the highland papaya <i>Vasconcellea</i> \times <i>heilbornii</i> V. Badillo (Caricaceae). <i>Molecular Ecology Notes</i> , 2005, 5, 590-592.	1.7	4
95	Spatiotemporal expression profile of novel and known small RNAs throughout rice plant development focussing on seed tissues. <i>BMC Genomics</i> , 2022, 23, 44.	1.2	4
96	Cucurbitaceae Cold Peeling Extracts (CCOPEs) Protect Plants From Root-Knot Nematode Infections Through Induced Resistance and Nematicidal Effects. <i>Frontiers in Plant Science</i> , 2021, 12, 785699.	1.7	4