

# Eric T Johnson

## List of Publications by Year in descending order

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53  
papers

1,259  
citations

430874

18  
h-index

377865

34  
g-index

55  
all docs

55  
docs citations

55  
times ranked

1561  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dual transcriptional analysis of <i>Ocimum basilicum</i> and <i>Peronospora belbahrii</i> in susceptible interactions. <i>Plant Gene</i> , 2022, 29, 100350.	2.3	4
2	A maize gene coding for a chimeric superlectin reduces growth of maize fungal pathogens and insect pests when expressed transgenically in maize callus. <i>Plant Gene</i> , 2022, 30, 100359.	2.3	2
3	Natural food flavour (E)-2-hexenal, a potential antifungal agent, induces mitochondria-mediated apoptosis in <i>Aspergillus flavus</i> conidia via a ROS-dependent pathway. <i>International Journal of Food Microbiology</i> , 2022, 370, 109633.	4.7	20
4	Different maize ( <i>Zea mays</i> L.) inbreds influence the efficacy of <i>Beaveria bassiana</i> against major maize caterpillar pests, which is potentially affected by maize pathogen resistance. <i>Biocontrol Science and Technology</i> , 2022, 32, 847-862.	1.3	1
5	Natural flavour (E,E)-2,4-heptadienal as a potential fumigant for control of <i>Aspergillus flavus</i> in stored peanut seeds: Finding new antifungal agents based on preservative sorbic acid. <i>Food Control</i> , 2021, 124, 107938.	5.5	15
6	Description of <i>Cohnella zeiphila</i> sp. nov., a bacterium isolated from maize callus cultures. <i>Antonie Van Leeuwenhoek</i> , 2021, 114, 37-44.	1.7	8
7	A maize hydrolase with activity against maize insect and fungal pests. <i>Plant Gene</i> , 2020, 21, 100214.	2.3	3
8	A maize win protein confers enhanced anti-insect and antifungal resistance when the gene is transgenically expressed in maize callus. <i>Plant Gene</i> , 2020, 24, 100259.	2.3	5
9	Transgenic expression of a previously uncharacterized maize ALL1 gene in maize callus increases resistance to multiple maize fungal and insect pests. <i>Plant Gene</i> , 2020, 23, 100235.	2.3	3
10	<i>Brevibacillus fortis</i> NRS-1210 produces edeine that inhibit the in vitro growth of conidia and chlamydospores of the onion pathogen <i>Fusarium oxysporum</i> f. sp. <i>cepae</i> . <i>Antonie Van Leeuwenhoek</i> , 2020, 113, 973-987.	1.7	14
11	Phylogenomic analysis of the <i>Brevibacillus brevis</i> clade: a proposal for three new <i>Brevibacillus</i> species, <i>Brevibacillus fortis</i> sp. nov., <i>Brevibacillus porteri</i> sp. nov. and <i>Brevibacillus schisleri</i> sp. nov.. <i>Antonie Van Leeuwenhoek</i> , 2019, 112, 991-999.	1.7	24
12	Characterization of the infection process by <i>Peronospora belbahrii</i> on basil by scanning electron microscopy. <i>Heliyon</i> , 2019, 5, e01117.	3.2	6
13	Enhanced insect and fungal resistance of maize callus transgenically expressing a maize E2F regulatory gene. <i>Agri Gene</i> , 2019, 12, 100086.	1.9	6
14	Evaluation of a granular formulation containing <i>Metarhizium brunneum</i> F52 (Hypocreales: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2) against <i>Peronospora belbahrii</i> on basil. <i>Biocontrol Science and Technology</i> , 2019, 29, 68-82.	1.3	7
15	Insect damage influences heat and water stress resistance gene expression in field-grown popcorn: implications in developing crop varieties adapted to climate change. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2018, 23, 1063-1081.	2.1	2
16	Transgenic expression of a maize geranyl geranyl transferase gene sequence in maize callus increases resistance to ear rot pathogens. <i>Agri Gene</i> , 2018, 7, 52-58.	1.9	3
17	Enhanced pest resistance and increased phenolic production in maize callus transgenically expressing a maize chalcone isomerase -3 like gene. <i>Plant Gene</i> , 2018, 13, 50-55.	2.3	14
18	Identification of a maize ( <i>Zea mays</i> ) chitinase allele sequence suitable for a role in ear rot fungal resistance. <i>Agri Gene</i> , 2018, 7, 15-22.	1.9	18

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19	Reducing production of fumonisin mycotoxins in <i>Fusarium verticillioides</i> by RNA interference. <i>Mycotoxin Research</i> , 2018, 34, 29-37.	2.3	18
20	Overexpression of a maize ( <i>Zea mays</i> ) defensin-like gene in maize callus enhances resistance to both insects and fungi. <i>Agri Gene</i> , 2018, 9, 16-23.	1.9	7
21	Evaluation of Selected Fungicide Application Regimes and Biotic Agents for the Management of Basil Downy Mildew. <i>HortTechnology</i> , 2018, 28, 822-829.	0.9	4
22	Three sorghum serpin recombinant proteins inhibit midgut trypsin activity and growth of corn earworm. <i>Agri Gene</i> , 2016, 2, 11-16.	1.9	6
23	A quantitative method for determining relative colonization rates of maize callus by <i>Fusarium graminearum</i> for resistance gene evaluations. <i>Journal of Microbiological Methods</i> , 2016, 130, 73-75.	1.6	4
24	Maize peroxidase Px5 has a highly conserved sequence in inbreds resistant to mycotoxin producing fungi which enhances fungal and insect resistance. <i>Journal of Plant Research</i> , 2016, 129, 13-20.	2.4	18
25	Vast potential for using the piggyBac transposon to engineer transgenic plants at specific genomic locations. <i>Bioengineered</i> , 2016, 7, 3-6.	3.2	2
26	Antifungal Activity of a Synthetic Cationic Peptide against the Plant Pathogens <i>Colletotrichum graminicola</i> and Three <i>Fusarium</i> Species. <i>Plant Pathology Journal</i> , 2015, 31, 316-321.	1.7	17
27	Effects of PHENYLALANINE AMMONIA LYASE (PAL) knockdown on cell wall composition, biomass digestibility, and biotic and abiotic stress responses in <i>Brachypodium</i> . <i>Journal of Experimental Botany</i> , 2015, 66, 4317-4335.	4.8	146
28	Environmental effects on resistance gene expression in milk stage popcorn kernels and associations with mycotoxin production. <i>Mycotoxin Research</i> , 2015, 31, 63-82.	2.3	4
29	A non-autonomous insect piggyBac transposable element is mobile in tobacco. <i>Molecular Genetics and Genomics</i> , 2014, 289, 895-902.	2.1	7
30	Expression of a wolf spider toxin in tobacco inhibits the growth of microbes and insects. <i>Biotechnology Letters</i> , 2014, 36, 1735-1742.	2.2	8
31	Identification of a Bioactive Bowman's Birk Inhibitor from an Insect-Resistant Early Maize Inbred. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 5458-5465.	5.2	12
32	Effects of Elevated Peroxidase Levels and Corn Earworm Feeding on Gene Expression in Tomato. <i>Journal of Chemical Ecology</i> , 2012, 38, 1247-1263.	1.8	11
33	Enhanced Pest Resistance of Maize Leaves Expressing Monocot Crop Plant-Derived Ribosome-Inactivating Protein and Agglutinin. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 10768-10775.	5.2	32
34	Cell-Penetrating Recombinant Peptides for Potential Use in Agricultural Pest Control Applications. <i>Pharmaceuticals</i> , 2012, 5, 1054-1063.	3.8	11
35	Coconut leaf bioactivity toward generalist maize insect pests. <i>Entomologia Experimentalis Et Applicata</i> , 2011, 141, 208-215.	1.4	7
36	Differential Activity of Multiple Saponins Against Omnivorous Insects with Varying Feeding Preferences. <i>Journal of Chemical Ecology</i> , 2011, 37, 443-449.	1.8	30

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37	Comparative transcription profiling analyses of maize reveals candidate defensive genes for seedling resistance against corn earworm. <i>Molecular Genetics and Genomics</i> , 2011, 285, 517-525.	2.1	12
38	Field incidence of mycotoxins in commercial popcorn and potential environmental influences. <i>Mycotoxin Research</i> , 2010, 26, 15-22.	2.3	9
39	Identification and properties of insect resistance-associated maize anionic peroxidases. <i>Phytochemistry</i> , 2010, 71, 1289-1297.	2.9	21
40	Constitutive Expression of the Maize Genes B1 and C1 in Transgenic Hi II Maize Results in Differential Tissue Pigmentation and Generates Resistance to <i>Helicoverpa zea</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 2403-2409.	5.2	4
41	Engineered <i>Saccharomyces cerevisiae</i> strain for improved xylose utilization with a three-plasmid SUMO yeast expression system. <i>Plasmid</i> , 2009, 61, 22-38.	1.4	29
42	Differential resistance of switchgrass <i>Panicum virgatum</i> L. lines to fall armyworms <i>Spodoptera frugiperda</i> (J. E. Smith). <i>Genetic Resources and Crop Evolution</i> , 2009, 56, 1077-1089.	1.6	20
43	Colored and White Sectors From Star-Patterned <i>Petunia</i> Flowers Display Differential Resistance to Corn Earworm and Cabbage Looper Larvae. <i>Journal of Chemical Ecology</i> , 2008, 34, 757-765.	1.8	51
44	Lycotoxinâ€1 insecticidal peptide optimized by amino acid scanning mutagenesis and expressed as a coproduct in an ethanologenic <i>Saccharomyces cerevisiae</i> strain. <i>Journal of Peptide Science</i> , 2008, 14, 1039-1050.	1.4	27
45	Oral Toxicity of <sup>12</sup> -N-Acetyl Hexosaminidase to Insects. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 3421-3428.	5.2	36
46	Expression of a Maize Myb Transcription Factor Driven by a Putative Silk-Specific Promoter Significantly Enhances Resistance to <i>Helicoverpa zea</i> in Transgenic Maize. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 2998-3003.	5.2	23
47	Relative Activity of a Tobacco Hybrid Expressing High Levels of a Tobacco Anionic Peroxidase and Maize Ribosome-Inactivating Protein against <i>Helicoverpa zea</i> and <i>Lasioderma serricorne</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 2629-2634.	5.2	26
48	Association of a Specific Cationic Peroxidase Isozyme with Maize Stress and Disease Resistance Responses, Genetic Identification, and Identification of a cDNA Coding for the Isozyme. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 4464-4470.	5.2	24
49	Leaf axil sampling of midwest U.S. maize for mycotoxigenic <i>Fusarium</i> fungi using PCR analysis. <i>Mycopathologia</i> , 2004, 158, 431-440.	3.1	6
50	Differentially Enhanced Insect Resistance, at a Cost, in <i>Arabidopsis thaliana</i> Constitutively Expressing a Transcription Factor of Defensive Metabolites. <i>Journal of Agricultural and Food Chemistry</i> , 2004, 52, 5135-5138.	5.2	71
51	Enhanced Resistance to <i>Helicoverpa zea</i> in Tobacco Expressing an Activated Form of Maize Ribosome-Inactivating Protein. <i>Journal of Agricultural and Food Chemistry</i> , 2003, 51, 3568-3574.	5.2	53
52	Alteration of a single amino acid changes the substrate specificity of dihydroflavonol 4-reductase. <i>Plant Journal</i> , 2001, 25, 325-333.	5.7	196
53	<i>Cymbidium hybrida</i> dihydroflavonol 4-reductase does not efficiently reduce dihydrokaempferol to produce orange pelargonidin-type anthocyanins. <i>Plant Journal</i> , 1999, 19, 81-85.	5.7	135