Isgouhi Kaloshian

List of Publications by Year
in descending order

53 papers	5,449 citations	126907 33 h-index	206112 48 g-index
56 all docs	56 docs citations	56 times ranked	5138 citing authors

#	Article	IF	Citations
1	Fungal Small RNAs Suppress Plant Immunity by Hijacking Host RNA Interference Pathways. Science, 2013, 342, 118-123.	12.6	1,089
2	The Root Knot Nematode Resistance Gene Mi from Tomato Is a Member of the Leucine Zipper, Nucleotide Binding, Leucine-Rich Repeat Family of Plant Genes. Plant Cell, 1998, 10, 1307-1319.	6.6	703
3	Hemipterans as Plant Pathogens. Annual Review of Phytopathology, 2005, 43, 491-521.	7.8	223
4	Aphid-Induced Defense Responses in Mi-1-Mediated Compatible and Incompatible Tomato Interactions. Molecular Plant-Microbe Interactions, 2003, 16, 699-708.	2.6	219
5	Mi-1-Mediated Aphid Resistance Involves Salicylic Acid and Mitogen-Activated Protein Kinase Signaling Cascades. Molecular Plant-Microbe Interactions, 2006, 19, 655-664.	2.6	209
6	MicroRNAs Suppress NB Domain Genes in Tomato That Confer Resistance to Fusarium oxysporum. PLoS Pathogens, 2014, 10, e1004464.	4.7	187
7	WRKY72â€•type transcription factors contribute to basal immunity in tomato and Arabidopsis as well as geneâ€•forâ€•gene resistance mediated by the tomato <i>R</i>â€ƒgene <i>Miâ€•1</i>. Plant Journal, 2010, 63, 229-240.	5.7	181
8	GroEL from the endosymbiont <i>Buchnera aphidicola</i> betrays the aphid by triggering plant defense. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 8919-8924.	7.1	180
9	Tomato Susceptibility to Root-Knot Nematodes Requires an Intact Jasmonic Acid Signaling Pathway. Molecular Plant-Microbe Interactions, 2008, 21, 1205-1214.	2.6	160
10	In Planta Expression or Delivery of Potato Aphid <i>Macrosiphum euphorbiae</i> Effectors <i>Me10</i> and <i>Me23</i> Enhances Aphid Fecundity. Molecular Plant-Microbe Interactions, 2013, 26, 67-74.	2.6	150
11	GENE-FOR-GENE DISEASE RESISTANCE: BRIDGING INSECT PEST AND PATHOGEN DEFENSE. Journal of Chemical Ecology, 2004, 30, 2419-2438.	1.8	147
12	The Mi-1-Mediated Pest Resistance Requires Hsp90 and Sgt1 Â. Plant Physiology, 2007, 144, 312-323.	4.8	142
13	Are roots special? Nematodes have their say. Physiological and Molecular Plant Pathology, 2003, 62, 115-123.	2.5	116
14	SlWRKY70 is required for Mi-1-mediated resistance to aphids and nematodes in tomato. Planta, 2012, 235, 299-309.	3.2	111
15	â€œResistance-breakingâ€•nematodes identified in California tomatoes. California Agriculture, 1996, 50, 18-19.	0.8	89
16	The Mi-9 Gene from Solanum arcanum Conferring Heat-Stable Resistance to Root-Knot Nematodes Is a Homolog of Mi-1 Â. Plant Physiology, 2007, 143, 1044-1054.	4.8	88
17	The Root Knot Nematode Resistance Gene Mi from Tomato Is a Member of the Leucine Zipper, Nucleotide Binding, Leucine-Rich Repeat Family of Plant Genes. Plant Cell, 1998, 10, 1307.	6.6	84
18	Hemipteran and dipteran pests: Effectors and plant host immune regulators. Journal of Integrative Plant Biology, 2016, 58, 350-361.	8.5	84

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19	The receptorâ€like kinase <i>SlSERK1</i> is required for <i>Miâ€1â€</i>mediated resistance to potato aphids in tomato. Plant Journal, 2011, 67, 459-471.	5.7	82
20	The tomato Rme1 locus is required for Mi-1-mediated resistance to root-knot nematodes and the potato aphid. Plant Journal, 2001, 27, 417-425.	5.7	81
21	Differential response of Mi gene-resistant tomato rootstocks to root-knot nematodes (Meloidogyne) Tj ETQq1 1 0.784314 rgBT /Overlo	2.1	79
22	Rootâ€knot nematodes induce patternâ€triggered immunity in <i>Arabidopsis thaliana</i> roots. New Phytologist, 2016, 211, 276-287.	7.3	73
23	<i>Mi</i>-Mediated Resistance Against the Potato Aphid<i>Macrosiphum euphorbiae</i>(Hemiptera:) Tj ETQq1 1 0.784314 rgBT /Overl	1.4	70
24	Promises and challenges in insectâ€"plant interactions. Entomologia Experimentalis Et Applicata, 2018, 166, 319-343.	1.4	66
25	Characterization of LeMir, a Root-Knot Nematode-Induced Gene in Tomato with an Encoded Product Secreted from the Root1. Plant Physiology, 1998, 118, 237-247.	4.8	62
26	Ethylene contributes to potato aphid susceptibility in a compatible tomato host. New Phytologist, 2009, 183, 444-456.	7.3	60
27	Potato Aphid Salivary Proteome: Enhanced Salivation Using Resorcinol and Identification of Aphid Phosphoproteins. Journal of Proteome Research, 2015, 14, 1762-1778.	3.7	60
28	The Potato Aphid Salivary Effector Me47 Is a Glutathione-S-Transferase Involved in Modifying Plant Responses to Aphid Infestation. Frontiers in Plant Science, 2016, 7, 1142.	3.6	60
29	The Tomato Leucine-Rich Repeat Receptor-Like Kinases SlSERK3A and SlSERK3B Have Overlapping Functions in Bacterial and Nematode Innate Immunity. PLoS ONE, 2014, 9, e93302.	2.5	55
30	SEED: efficient clustering of next-generation sequences. Bioinformatics, 2011, 27, 2502-2509.	4.1	54
31	Rme1 is Necessary for Mi-1-Mediated Resistance and Acts Early in the Resistance Pathway. Molecular Plant-Microbe Interactions, 2004, 17, 55-61.	2.6	45
32	Coi1-Dependent Signaling Pathway Is Not Required for Mi-1â€"Mediated Potato Aphid Resistance. Molecular Plant-Microbe Interactions, 2007, 20, 276-282.	2.6	41
33	Aphid effector Me10 interacts with tomato <scp>TFT</scp>7, a 14â€3â€3 isoform involved in aphid resistance. New Phytologist, 2019, 221, 1518-1528.	7.3	38
34	Classification and phylogenetic analyses of the Arabidopsis and tomato G-type lectin receptor kinases. BMC Genomics, 2018, 19, 239.	2.8	35
35	The Synthetic Elicitor DPMP (2,4-dichloro-6-{(E)-[(3-methoxyphenyl)imino]methyl}phenol) Triggers Strong Immunity in Arabidopsis thaliana and Tomato. Scientific Reports, 2016, 6, 29554.	3.3	33
36	Linked, if Not the Same,<i>Mi-1</i>Homologues Confer Resistance to Tomato Powdery Mildew and Root-Knot Nematodes. Molecular Plant-Microbe Interactions, 2011, 24, 441-450.	2.6	32

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37	Advances in Plantâ˘’Nematode Interactions with Emphasis on the Notorious Nematode Genus <i>Meloidogyne</i>. Phytopathology, 2019, 109, 1988-1996.	2.2	31
38	The Synthetic Elicitor 2-(5-Bromo-2-Hydroxy-Phenyl)-Thiazolidine-4-Carboxylic Acid Links Plant Immunity to Hormesis. Plant Physiology, 2016, 170, 444-458.	4.8	26
39	High and Low Throughput Screens with Root-knot Nematodes Meloidogyne spp.. Journal of Visualized Experiments, 2012, , .	0.3	25
40	A novel virus from Macrosiphum euphorbiae with similarities to members of the family Flaviviridae. Journal of General Virology, 2016, 97, 1261-1271.	2.9	25
41	Disease Resistance-Genes and Defense Responses During Incompatible Interactions. , 2011, , 309-324.		21
42	Mi-1-Mediated Resistance to Meloidogyne incognita in Tomato May Not Rely on Ethylene but Hormone Perception through ETR3 Participates in Limiting Nematode Infection in a Susceptible Host. PLoS ONE, 2013, 8, e63281.	2.5	20
43	The Conformation of a Plasma Membrane-Localized Somatic Embryogenesis Receptor Kinase Complex Is Altered by a Potato Aphid-Derived Effector. Plant Physiology, 2016, 171, 2211-2222.	4.8	16
44	Sequence analysis of the potato aphid Macrosiphum euphorbiae transcriptome identified two new viruses. PLoS ONE, 2018, 13, e0193239.	2.5	14
45	AcDCXR Is a Cowpea Aphid Effector With Putative Roles in Altering Host Immunity and Physiology. Frontiers in Plant Science, 2020, 11, 605.	3.6	11
46	Plant Immunity: Connecting the Dots Between Microbial and Hemipteran Immune Responses. , 2016, , 217-243.		8
47	Marker analysis for detection of the Mi-1.2 resistance gene inÂtomatoÂhybrid rootstocks and cultivars. Nematology, 2012, 14, 631-642.	0.6	5
48	Cowpea aphid resistance in cowpea line CB77 functions primarily through antibiosis and eliminates phytotoxic symptoms of aphid feeding. Journal of Pest Science, 0, , .	3.7	4
49	Quantification of Methylglyoxal Levels in Cowpea Leaves in Response to Cowpea Aphid Infestation. Bio-protocol, 2020, 10, e3795.	0.4	3
50	Construction of RNA-Seq Libraries from Large and Microscopic Tissues for the Illumina Sequencing Platform. Methods in Molecular Biology, 2012, 883, 47-57.	0.9	2
51	Non-canonical nematode endogenous retroviruses resulting from RNA virus glycoprotein gene capture by a metavirus. Journal of General Virology, 2022, 103, .	2.9	1
52	Editorial: Plant-Arthropod Interactions: Effectors and Elicitors of Arthropods and Their Associated Microbes. Frontiers in Plant Science, 2020, 11, 610160.	3.6	0
53	Editorial: Plant-Arthropod Interactions: Effectors and Elicitors of Arthropods and Their Associated Microbes. Frontiers in Plant Science, 2020, 11, 610160.	3.6	0