Jean T Greenberg

List of Publications by Citations

70	8,858	45	74
papers	citations	h-index	g-index
74	9,944	8.1	6.05
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
70	Programmed cell death in plants: a pathogen-triggered response activated coordinately with multiple defense functions. *Cell*, **1994**, 77, 551-63	56.2	612
69	Priming in systemic plant immunity. *Science*, **2009**, 324, 89-91	33.3	611
68	The role and regulation of programmed cell death in plant-pathogen interactions. *Cellular Microbiology*, **2004**, 6, 201-11	3.9	582
67	Positive control of a global antioxidant defense regulon activated by superoxide-generating agents in Escherichia coli. *Proceedings of the National Academy of Sciences of the United States of America*, **1990**, 87, 6181-5	11.5	494
66	Programmed cell death: a way of life for plants. *Proceedings of the National Academy of Sciences of the United States of America*, **1996**, 93, 12094-7	11.5	488
65	PROGRAMMED CELL DEATH IN PLANT-PATHOGEN INTERACTIONS. *Annual Review of Plant Biology*, **1997**, 48, 525-545		390
64	A functional screen for the type III (Hrp) secretome of the plant pathogen Pseudomonas syringae. *Science*, **2002**, 295, 1722-6	33.3	326
63	The gain-of-function Arabidopsis acd6 mutant reveals novel regulation and function of the salicylic acid signaling pathway in controlling cell death, defenses, and cell growth. *Plant Cell*, **1999**, 11, 1695-708	11.6	294
62	Ceramides modulate programmed cell death in plants. *Genes and Development*, **2003**, 17, 2636-41	12.6	275
61	The Arabidopsis-accelerated cell death gene ACD2 encodes red chlorophyll catabolite reductase and suppresses the spread of disease symptoms. *Proceedings of the National Academy of Sciences of the United States of America*, **2001**, 98, 771-776	11.5	256
60	Arabidopsis mutants compromised for the control of cellular damage during pathogenesis and aging. *Plant Journal*, **1993**, 4, 327-41	6.9	255
59	The mitochondrion--an organelle commonly involved in programmed cell death in Arabidopsis thaliana. *Plant Journal*, **2004**, 40, 596-610	6.9	221
58	A global response induced in Escherichia coli by redox-cycling agents overlaps with that induced by peroxide stress. *Journal of Bacteriology*, **1989**, 171, 3933-9	3.5	218
57	A J domain virulence effector of Pseudomonas syringae remodels host chloroplasts and suppresses defenses. *Current Biology*, **2007**, 17, 499-508	6.3	216
56	Arabidopsis ACCELERATED CELL DEATH2 modulates programmed cell death. *Plant Cell*, **2006**, 18, 397-411	11.6	197
55	Uncoupling salicylic acid-dependent cell death and defense-related responses from disease resistance in the Arabidopsis mutant acd5. *Genetics*, **2000**, 156, 341-50	4	174
54	Identifying type III effectors of plant pathogens and analyzing their interaction with plant cells. *Current Opinion in Microbiology*, **2003**, 6, 20-8	7.9	157

53	ACD6, a novel ankyrin protein, is a regulator and an effector of salicylic acid signaling in the Arabidopsis defense response. *Plant Cell*, **2003**, 15, 2408-20	11.6	147
52	The type III effector repertoire of Pseudomonas syringae pv. syringae B728a and its role in survival and disease on host and non-host plants. *Molecular Microbiology*, **2006**, 62, 26-44	4.1	146
51	Posttranscriptional repression of Escherichia coli OmpF protein in response to redox stress: positive control of the micF antisense RNA by the soxRS locus. *Journal of Bacteriology*, **1993**, 175, 1026-31	3.5	142
50	A key role for ALD1 in activation of local and systemic defenses in Arabidopsis. *Plant Journal*, **2004**, 40, 200-12	6.9	141
49	Glutathione in Escherichia coli is dispensable for resistance to H2O2 and gamma radiation. *Journal of Bacteriology*, **1986**, 168, 1026-9	3.5	134
48	Pseudomonas syringae hijacks plant stress chaperone machinery for virulence. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 13177-82	11.5	131
47	Functional analysis of the type III effectors AvrRpt2 and AvrRpm1 of Pseudomonas syringae with the use of a single-copy genomic integration system. *Molecular Plant-Microbe Interactions*, **2001**, 14, 145-55	3.6	126
46	A role for salicylic acid and NPR1 in regulating cell growth in Arabidopsis. *Plant Journal*, **2001**, 28, 209-16	6.9	126
45	Proposed guidelines for a unified nomenclature and phylogenetic analysis of type III Hop effector proteins in the plant pathogen Pseudomonas syringae. *Molecular Plant-Microbe Interactions*, **2005**, 18, 275-82	3.6	119
44	Differential expression of a senescence-enhanced metallothionein gene in Arabidopsis in response to isolates of Peronospora parasitica and Pseudomonas syringae. *Plant Journal*, **1998**, 16, 209-21	6.9	116
43	The Arabidopsis aberrant growth and death2 mutant shows resistance to Pseudomonas syringae and reveals a role for NPR1 in suppressing hypersensitive cell death. *Plant Journal*, **2001**, 27, 203-11	6.9	115
42	Activation of oxidative stress genes by mutations at the soxQ/cfxB/marA locus of Escherichia coli. *Journal of Bacteriology*, **1991**, 173, 4433-9	3.5	114
41	Divergent roles in Arabidopsis thaliana development and defense of two homologous genes, aberrant growth and death2 and AGD2-LIKE DEFENSE RESPONSE PROTEIN1, encoding novel aminotransferases. *Plant Cell*, **2004**, 16, 353-66	11.6	105
40	Evolutionary dynamics of Ralstonia solanacearum. *Applied and Environmental Microbiology*, **2007**, 73, 1225-38	4.8	104
39	Identification of open reading frames unique to a select agent: Ralstonia solanacearum race 3 biovar 2. *Molecular Plant-Microbe Interactions*, **2006**, 19, 69-79	3.6	98
38	Salicylic acid regulates Arabidopsis microbial pattern receptor kinase levels and signaling. *Plant Cell* , **2014**, 26, 4171-87	11.6	94
37	Comparative large-scale analysis of interactions between several crop species and the effector repertoires from multiple pathovars of Pseudomonas and Ralstonia. *Plant Physiology*, **2009**, 150, 1733-49	6.6	81
36	The Plant Cell Introduces Breakthrough Reports: A New Forum for Cutting-Edge Plant Research. *Plant Cell*, **2015**, tpc.15.00862	11.6	78

35	Arabidopsis proteins important for modulating defense responses to Pseudomonas syringae that secrete HopW1-1. *Plant Journal*, **2008**, 54, 452-65	6.9	73
34	Arabidopsis AZI1 family proteins mediate signal mobilization for systemic defence priming. *Nature Communications*, **2015**, 6, 7658	17.4	70
33	Signaling pathways that regulate the enhanced disease resistance of Arabidopsis "defense, no death" mutants. *Molecular Plant-Microbe Interactions*, **2008**, 21, 1285-96	3.6	66
32	HopW1 from Pseudomonas syringae disrupts the actin cytoskeleton to promote virulence in Arabidopsis. *PLoS Pathogens*, **2014**, 10, e1004232	7.6	60
31	Loss of ceramide kinase in Arabidopsis impairs defenses and promotes ceramide accumulation and mitochondrial H2O2 bursts. *Plant Cell*, **2014**, 26, 3449-67	11.6	58
30	A key role for the Arabidopsis WIN3 protein in disease resistance triggered by Pseudomonas syringae that secrete AvrRpt2. *Molecular Plant-Microbe Interactions*, **2007**, 20, 1192-200	3.6	56
29	Bioinformatics correctly identifies many type III secretion substrates in the plant pathogen Pseudomonas syringae and the biocontrol isolate P. fluorescens SBW25. *Molecular Plant-Microbe Interactions*, **2005**, 18, 877-88	3.6	54
28	Genetic analysis of acd6-1 reveals complex defense networks and leads to identification of novel defense genes in Arabidopsis. *Plant Journal*, **2009**, 58, 401-12	6.9	49
27	Type III secretion and effectors shape the survival and growth pattern of Pseudomonas syringae on leaf surfaces. *Plant Physiology*, **2012**, 158, 1803-18	6.6	48
26	Acetylation of an NB-LRR Plant Immune-Effector Complex Suppresses Immunity. *Cell Reports*, **2015**, 13, 1670-82	10.6	46
25	Structure-function analysis of the plasma membrane- localized Arabidopsis defense component ACD6. *Plant Journal*, **2005**, 44, 798-809	6.9	44
24	ALD1 Regulates Basal Immune Components and Early Inducible Defense Responses in Arabidopsis. *Molecular Plant-Microbe Interactions*, **2015**, 28, 455-66	3.6	40
23	Accelerated cell death 2 suppresses mitochondrial oxidative bursts and modulates cell death in Arabidopsis. *Plant Journal*, **2012**, 69, 589-600	6.9	40
22	Salicylic acid signaling controls the maturation and localization of the arabidopsis defense protein ACCELERATED CELL DEATH6. *Molecular Plant*, **2014**, 7, 1365-1383	14.4	33
21	PROHIBITIN3 Forms Complexes with ISOCHORISMATE SYNTHASE1 to Regulate Stress-Induced Salicylic Acid Biosynthesis in Arabidopsis. *Plant Physiology*, **2018**, 176, 2515-2531	6.6	31
20	Flagellin peptide flg22 gains access to long-distance trafficking in Arabidopsis via its receptor, FLS2. *Journal of Experimental Botany*, **2017**, 68, 1769-1783	7	20
19	Positive and negative regulation of salicylic acid-dependent cell death and pathogen resistance in Arabidopsis lsd6 and ssi1 mutants. *Molecular Plant-Microbe Interactions*, **2000**, 13, 877-81	3.6	16
18	Underground Azelaic Acid-Conferred Resistance to Pseudomonas syringae in Arabidopsis. *Molecular Plant-Microbe Interactions*, **2019**, 32, 86-94	3.6	14

List of Publications

17	A Suite of Receptor-Like Kinases and a Putative Mechano-Sensitive Channel Are Involved in Autoimmunity and Plasma Membrane-Based Defenses in Arabidopsis. *Molecular Plant-Microbe Interactions*, **2017**, 30, 150-160	3.6	13
16	Linking pattern recognition and salicylic acid responses in Arabidopsis through ACCELERATED CELL DEATH6 and receptors. *Plant Signaling and Behavior*, **2015**, 10, e1010912	2.5	12
15	A conserved cysteine motif is critical for rice ceramide kinase activity and function. *PLoS ONE*, **2011**, 6, e18079	3.7	12
14	Degrade or die: a dual function for autophagy in the plant immune response. *Developmental Cell*, **2005**, 8, 799-801	10.2	11
13	Alkylation and oxidative damages to DNA: constitutive and inducible repair systems. *Basic Life Sciences*, **1986**, 39, 205-17		10
12	Plant pathogenic bacteria target the actin microfilament network involved in the trafficking of disease defense components. *Bioarchitecture*, **2014**, 4, 149-53		8
11	Carbon Nanofiber Arrays: A Novel Tool for Microdelivery of Biomolecules to Plants. *PLoS ONE*, **2016** , 11, e0153621	3.7	6
10	Whole-genome analysis to identify type III-secreted effectors. *Methods in Molecular Biology*, **2007**, 354, 19-34	1.4	5
9	An Improved Bioassay to Study Induced Systemic Resistance (ISR) Against Bacterial Pathogens and Insect Pests. *Bio-protocol*, **2019**, 9, e3236	0.9	5
8	"How Do We Do This at a Distance?!" A Descriptive Study of Remote Undergraduate Research Programs during COVID-19.. *CBE Life Sciences Education*, **2022**, 21, ar1	3.4	4
7	Simple strategies to enhance discovery of acetylation post-translational modifications by quadrupole-orbitrap LC-MS/MS. *Biochimica Et Biophysica Acta - Proteins and Proteomics*, **2018**, 1866, 224-229	4	3
6	Pseudomonas syringae effector HopZ3 suppresses the bacterial AvrPto1-tomato PTO immune complex via acetylation. *PLoS Pathogens*, **2021**, 17, e1010017	7.6	3
5	SGT1b is required for HopZ3-mediated suppression of the epiphytic growth of Pseudomonas syringae on N. benthamiana. *Plant Signaling and Behavior*, **2012**, 7, 1129-31	2.5	2
4	Free Radicals and Oxidative Stress **2004**, 203-214		2
3	The Gain-of-Function Arabidopsis acd6 Mutant Reveals Novel Regulation and Function of the Salicylic Acid Signaling Pathway in Controlling Cell Death, Defenses, and Cell Growth. *Plant Cell*, **1999**, 11, 1695	11.6	2
2	ALD1 accumulation in Arabidopsis epidermal plastids confers local and non-autonomous disease resistance. *Journal of Experimental Botany*, **2021**, 72, 2710-2726	7	2
1	Kinases and protein motifs required for AZI1 plastid localization and trafficking during plant defense induction. *Plant Journal*, **2021**, 105, 1615-1629	6.9	1