

Adam J Bogdanove

List of Publications by Year in descending order

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11,953
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109321
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citing authors

#	ARTICLE	IF	CITATIONS
1	TAL Effectors with Avirulence Activity in African Strains of <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> . Rice, 2022, 15, 9.	4.0	1
2	Genome Sequence of <i>Xanthomonas campestris</i> Strain FDWSRU 18048, an Emerging Pathogen of Nonnative, Invasive Garlic Mustard (<i>Alliaria petiolata</i>). Microbiology Resource Announcements, 2022, 11, e0094221.	0.6	0
3	Complete Genome Resource of <i>Xanthomonas oryzae</i> pv. <i>oryzicola</i> GX01 Isolated in South China. Molecular Plant-Microbe Interactions, 2022, , MPMI10210259A.	2.6	3
4	Cruciferous Weed Isolates of <i>Xanthomonas campestris</i> Yield Insight into Pathovar Genomic Relationships and Genetic Determinants of Host and Tissue Specificity. Molecular Plant-Microbe Interactions, 2022, 35, 791-802.	2.6	1
5	<i>Xanthomonas campestris</i> Pathovars. Trends in Microbiology, 2021, 29, 182-183.	7.7	18
6	Spelling Changes and Fluorescent Tagging With Prime Editing Vectors for Plants. Frontiers in Genome Editing, 2021, 3, 617553.	5.2	30
7	Genomic insights advance the fight against black rot of crucifers. Journal of General Plant Pathology, 2021, 87, 127-136.	1.0	3
8	An atypical class of non-coding small RNAs is produced in rice leaves upon bacterial infection. Scientific Reports, 2021, 11, 24141.	3.3	3
9	An xa5 Resistance Gene-Breaking Indian Strain of the Rice Bacterial Blight Pathogen <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> Is Nearly Identical to a Thai Strain. Frontiers in Microbiology, 2020, 11, 579504.	3.5	8
10	Cloning of the Rice <i>Xo1</i> Resistance Gene and Interaction of the Xo1 Protein with the Defense-Suppressing <i>Xanthomonas</i> Effector Tal2h. Molecular Plant-Microbe Interactions, 2020, 33, 1189-1195.	2.6	23
11	A Reference Genome Sequence for Giant Sequoia. G3: Genes, Genomes, Genetics, 2020, 10, 3907-3919.	1.8	67
12	A TAL effector-like protein of an endofungal bacterium increases the stress tolerance and alters the transcriptome of the host. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 17122-17129.	7.1	29
13	Transfer of <i>Xanthomonas campestris</i> pv. <i>arecae</i> and <i>X. campestris</i> pv. <i>musacearum</i> to <i>X. vasicola</i> (Vauterin) as <i>X. vasicola</i> pv. <i>arecae</i> comb. nov. and <i>X. vasicola</i> pv. <i>musacearum</i> comb. nov. and Description of <i>X. vasicola</i> pv. <i>vasculorum</i> pv. nov.. Phytopathology, 2020, 110, 1153-1160.	2.2	23
14	Achieving Controlled Recombination with Targeted Cleavage and Epigenetic Modifiers. Trends in Plant Science, 2020, 25, 513-514.	8.8	2
15	Counting on Crossovers: Controlled Recombination for Plant Breeding. Trends in Plant Science, 2020, 25, 455-465.	8.8	65
16	Genome assembly and characterization of a complex zBED-NLR gene-containing disease resistance locus in Carolina Gold Select rice with Nanopore sequencing. PLoS Genetics, 2020, 16, e1008571.	3.5	112
17	Complete Genome Sequences of <i>Xanthomonas axonopodis</i> pv. <i>glycines</i> Isolates from the United States and Thailand Reveal Conserved Transcription Activator-Like Effectors. Genome Biology and Evolution, 2019, 11, 1380-1384.	2.5	11
18	Convergent Evolution of Effector Protease Recognition by <i>Arabidopsis</i> and Barley. Molecular Plant-Microbe Interactions, 2019, 32, 550-565.	2.6	47

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19	Two ancestral genes shaped the <i>Xanthomonas campestris</i> TAL effector gene repertoire. <i>New Phytologist</i> , 2018, 219, 391-407.	7.3	26
20	Genetic mapping of a major gene in triticale conferring resistance to bacterial leaf streak. <i>Theoretical and Applied Genetics</i> , 2018, 131, 649-658.	3.6	23
21	daTALbase: A Database for Genomic and Transcriptomic Data Related to TAL Effectors. <i>Molecular Plant-Microbe Interactions</i> , 2018, 31, 471-480.	2.6	22
22	A Strain of an Emerging Indian <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> Pathotype Defeats the Rice Bacterial Blight Resistance Gene xa13 Without Inducing a Clade III SWEET Gene and Is Nearly Identical to a Recent Thai Isolate. <i>Frontiers in Microbiology</i> , 2018, 9, 2703.	3.5	17
23	A Confounding Effect of Bacterial Titer in a Type III Delivery-Based Assay of Eukaryotic Effector Function. <i>Molecular Plant-Microbe Interactions</i> , 2018, 31, 1115-1116.	2.6	1
24	Functional analysis of African <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> TALomes reveals a new susceptibility gene in bacterial leaf blight of rice. <i>PLoS Pathogens</i> , 2018, 14, e1007092.	4.7	86
25	Engineering altered protein-DNA recognition specificity. <i>Nucleic Acids Research</i> , 2018, 46, 4845-4871.	14.5	36
26	A transcription activator-like effector from <i>Xanthomonas oryzae</i> pv. <i>oryzicola</i> elicits dose-dependent resistance in rice. <i>Molecular Plant Pathology</i> , 2017, 18, 55-66.	4.2	20
27	The effect of increasing numbers of repeats on TAL effector DNA binding specificity. <i>Nucleic Acids Research</i> , 2017, 45, 6960-6970.	14.5	41
28	TAL effector driven induction of a SWEET gene confers susceptibility to bacterial blight of cotton. <i>Nature Communications</i> , 2017, 8, 15588.	12.8	144
29	TAL Effectors Drive Transcription Bidirectionally in Plants. <i>Molecular Plant</i> , 2017, 10, 285-296.	8.3	28
30	Complete Genome Sequencing and Targeted Mutagenesis Reveal Virulence Contributions of Tal2 and Tal4b of <i>Xanthomonas translucens</i> pv. <i>undulosa</i> ICMP11055 in Bacterial Leaf Streak of Wheat. <i>Frontiers in Microbiology</i> , 2017, 8, 1488.	3.5	37
31	Suppression of Xo1-Mediated Disease Resistance in Rice by a Truncated, Non-DNA-Binding TAL Effector of <i>Xanthomonas oryzae</i> . <i>Frontiers in Plant Science</i> , 2016, 7, 1516.	3.6	88
32	Effector Diversification Contributes to <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> Phenotypic Adaptation in a Semi-Isolated Environment. <i>Scientific Reports</i> , 2016, 6, 34137.	3.3	76
33	A resistance locus in the American heirloom rice variety Carolina Gold Select is triggered by TAL effectors with diverse predicted targets and is effective against African strains of <i>Xanthomonas oryzae</i> pv. <i>oryzicola</i> . <i>Plant Journal</i> , 2016, 87, 472-483.	5.7	76
34	Online Tools for TALEN Design. <i>Methods in Molecular Biology</i> , 2016, 1338, 43-47.	0.9	3
35	TAL effectors and activation of predicted host targets distinguish Asian from African strains of the rice pathogen <i>Xanthomonas oryzae</i> pv. <i>oryzicola</i> while strict conservation suggests universal importance of five TAL effectors. <i>Frontiers in Plant Science</i> , 2015, 6, 536.	3.6	105
36	Single molecule real-time sequencing of <i>Xanthomonas oryzae</i> genomes reveals a dynamic structure and complex TAL (transcription activator-like) effector gene relationships. <i>Microbial Genomics</i> , 2015, 1, .	2.0	86

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37	Broadly Conserved Fungal Effector BEC1019 Suppresses Host Cell Death and Enhances Pathogen Virulence in Powdery Mildew of Barley (<i>Hordeum vulgare</i> L.) (Retracted). <i>Molecular Plant-Microbe Interactions</i> , 2015, 28, 968-983.	2.6	33
38	An <i>ent-kaurene</i> -derived diterpenoid virulence factor from <i>Xanthomonas oryzae</i> pv. <i>oryzicola</i> . <i>New Phytologist</i> , 2015, 206, 295-302.	7.3	28
39	Development of a Web Course on Gene Therapy by the International Consortium of Gene Therapy. <i>Molecular Therapy</i> , 2014, 22, 482.	8.2	0
40	Code-Assisted Discovery of TAL Effector Targets in Bacterial Leaf Streak of Rice Reveals Contrast with Bacterial Blight and a Novel Susceptibility Gene. <i>PLoS Pathogens</i> , 2014, 10, e1003972.	4.7	137
41	The I-TevI Nuclease and Linker Domains Contribute to the Specificity of Monomeric TALENs. <i>G3: Genes, Genomes, Genetics</i> , 2014, 4, 1155-1165.	1.8	23
42	Tools for TAL effector design and target prediction. <i>Methods</i> , 2014, 69, 121-127.	3.8	28
43	Principles and applications of TAL effectors for plant physiology and metabolism. <i>Current Opinion in Plant Biology</i> , 2014, 19, 99-104.	7.1	17
44	TAL effectors: highly adaptable phyto-bacterial virulence factors and readily engineered DNA-targeting proteins. <i>Trends in Cell Biology</i> , 2013, 23, 390-398.	7.9	120
45	TAL effectors: function, structure, engineering and applications. <i>Current Opinion in Structural Biology</i> , 2013, 23, 93-99.	5.7	105
46	Host-Induced Gene Silencing in Barley Powdery Mildew Reveals a Class of Ribonuclease-Like Effectors. <i>Molecular Plant-Microbe Interactions</i> , 2013, 26, 633-642.	2.6	190
47	TAL Effector Specificity for base O of the DNA Target Is Altered in a Complex, Effector- and Assay-Dependent Manner by Substitutions for the Tryptophan in Cryptic Repeat 1. <i>PLoS ONE</i> , 2013, 8, e82120.	2.5	37
48	Transcription Activator-Like Effector Nucleases Enable Efficient Plant Genome Engineering. <i>Plant Physiology</i> , 2012, 161, 20-27.	4.8	407
49	Addition of transcription activator-like effector binding sites to a pathogen strain-specific rice bacterial blight resistance gene makes it effective against additional strains and against bacterial leaf streak. <i>New Phytologist</i> , 2012, 195, 883-893.	7.3	103
50	The Crystal Structure of TAL Effector PthXo1 Bound to Its DNA Target. <i>Science</i> , 2012, 335, 716-719.	12.6	505
51	Transcription activator-like (TAL) effectors targeting <i>O</i> sSWEET genes enhance virulence on diverse rice (<i>Oryza sativa</i>) varieties when expressed individually in a TAL effector-deficient strain of <i>Xanthomonas oryzae</i> . <i>New Phytologist</i> , 2012, 196, 1197-1207.	7.3	91
52	TAL Effector-Nucleotide Targeter (TALE-NT) 2.0: tools for TAL effector design and target prediction. <i>Nucleic Acids Research</i> , 2012, 40, W117-W122.	14.5	549
53	Efficient design and assembly of custom TALEN and other TAL effector-based constructs for DNA targeting. <i>Nucleic Acids Research</i> , 2011, 39, e82-e82.	14.5	1,793
54	Two New Complete Genome Sequences Offer Insight into Host and Tissue Specificity of Plant Pathogenic <i>Xanthomonas</i> spp. <i>Journal of Bacteriology</i> , 2011, 193, 5450-5464.	2.2	189

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55	TAL Effectors: Customizable Proteins for DNA Targeting. <i>Science</i> , 2011, 333, 1843-1846.	12.6	884
56	TAL effectors: finding plant genes for disease and defense. <i>Current Opinion in Plant Biology</i> , 2010, 13, 394-401.	7.1	383
57	Targeting DNA Double-Strand Breaks with TAL Effector Nucleases. <i>Genetics</i> , 2010, 186, 757-761.	2.9	1,618
58	A Simple Cipher Governs DNA Recognition by TAL Effectors. <i>Science</i> , 2009, 326, 1501-1501.	12.6	1,710
59	Genome sequence and rapid evolution of the rice pathogen <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> PXO99A. <i>BMC Genomics</i> , 2008, 9, 204.	2.8	327
60	Novel Candidate Virulence Factors in Rice Pathogen <i>Xanthomonas oryzae</i> pv. <i>oryzicola</i> as Revealed by Mutational Analysis. <i>Applied and Environmental Microbiology</i> , 2007, 73, 8023-8027.	3.1	82
61	Inhibition of Resistance Gene-Mediated Defense in Rice by <i>Xanthomonas oryzae</i> pv. <i>oryzicola</i> . <i>Molecular Plant-Microbe Interactions</i> , 2006, 19, 240-249.	2.6	58
62	<i>Xanthomonas oryzae</i> pathovars: model pathogens of a model crop. <i>Molecular Plant Pathology</i> , 2006, 7, 303-324.	4.2	741
63	Pto update: recent progress on an ancient plant defence response signalling pathway. <i>Molecular Plant Pathology</i> , 2002, 3, 283-288.	4.2	12
64	Protein-protein interactions in pathogen recognition by plants. <i>Plant Molecular Biology</i> , 2002, 50, 981-989.	3.9	40
65	<i>Erwinia amylovora</i> Secretes DspE, a Pathogenicity Factor and Functional AvrE Homolog, through the Hrp (Type III Secretion) Pathway. <i>Journal of Bacteriology</i> , 1998, 180, 2244-2247.	2.2	128
66	Unified nomenclature for broadly conserved hrp genes of phytopathogenic bacteria. <i>Molecular Microbiology</i> , 1996, 20, 681-683.	2.5	232