

Shou-Wei Ding

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

7,106
citations

236612

25
h-index

214527

47
g-index

50
all docs

50
docs citations

50
times ranked

5357
citing authors

#	ARTICLE	IF	CITATIONS
1	Antiviral Immunity Directed by Small RNAs. <i>Cell</i> , 2007, 130, 413-426.	13.5	1,304
2	RNA-based antiviral immunity. <i>Nature Reviews Immunology</i> , 2010, 10, 632-644.	10.6	764
3	RNA Interference Directs Innate Immunity Against Viruses in Adult <i>Drosophila</i> . <i>Science</i> , 2006, 312, 452-454.	6.0	638
4	Cotton plants export microRNAs to inhibit virulence gene expression in a fungal pathogen. <i>Nature Plants</i> , 2016, 2, 16153.	4.7	418
5	Virus Counterdefense: Diverse Strategies for Evading the RNA-Silencing Immunity. <i>Annual Review of Microbiology</i> , 2006, 60, 503-531.	2.9	403
6	RNAi-mediated viral immunity requires amplification of virus-derived siRNAs in <i>Arabidopsis thaliana</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 484-489.	3.3	385
7	Suppression of Antiviral Silencing by Cucumber Mosaic Virus 2b Protein in <i>Arabidopsis</i> Is Associated with Drastically Reduced Accumulation of Three Classes of Viral Small Interfering RNAs. <i>Plant Cell</i> , 2007, 19, 2053-2063.	3.1	354
8	The 21-Nucleotide, but Not 22-Nucleotide, Viral Secondary Small Interfering RNAs Direct Potent Antiviral Defense by Two Cooperative Argonautes in <i>Arabidopsis thaliana</i> . <i>Plant Cell</i> , 2011, 23, 1625-1638.	3.1	354
9	RNA Interference Functions as an Antiviral Immunity Mechanism in Mammals. <i>Science</i> , 2013, 342, 231-234.	6.0	308
10	Small RNA-based antimicrobial immunity. <i>Nature Reviews Immunology</i> , 2019, 19, 31-44.	10.6	282
11	New Overlapping Gene Encoded by the Cucumber Mosaic Virus Genome. <i>Virology</i> , 1994, 198, 593-601.	1.1	261
12	Strong host resistance targeted against a viral suppressor of the plant gene silencing defence mechanism. <i>EMBO Journal</i> , 1999, 18, 2683-2691.	3.5	206
13	Virus infection triggers widespread silencing of host genes by a distinct class of endogenous siRNAs in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 14613-14618.	3.3	189
14	Suppression of <i>Arabidopsis</i> ARGONAUTE1-Mediated Slicing, Transgene-Induced RNA Silencing, and DNA Methylation by Distinct Domains of the Cucumber mosaic virus 2b Protein. <i>Plant Cell</i> , 2012, 24, 259-274.	3.1	173
15	Discovery of Replicating Circular RNAs by RNA-Seq and Computational Algorithms. <i>PLoS Pathogens</i> , 2014, 10, e1004553.	2.1	130
16	Induction and suppression of antiviral RNA interference by influenza A virus in mammalian cells. <i>Nature Microbiology</i> , 2017, 2, 16250.	5.9	120
17	Viral effector protein manipulates host hormone signaling to attract insect vectors. <i>Cell Research</i> , 2017, 27, 402-415.	5.7	115
18	Virus-derived siRNAs and piRNAs in immunity and pathogenesis. <i>Current Opinion in Virology</i> , 2011, 1, 533-544.	2.6	80

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19	Homologous RIG-I-like helicase proteins direct RNAi-mediated antiviral immunity in <i>C. elegans</i> by distinct mechanisms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 16085-16090.	3.3	72
20	Antiviral RNA interference in mammals. <i>Current Opinion in Immunology</i> , 2018, 54, 109-114.	2.4	69
21	Lipid flippases promote antiviral silencing and the biogenesis of viral and host siRNAs in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 1377-1382.	3.3	52
22	lncRNA Sensing of a Viral Suppressor of RNAi Activates Non-canonical Innate Immune Signaling in <i>Drosophila</i> . <i>Cell Host and Microbe</i> , 2020, 27, 115-128.e8.	5.1	44
23	Differential expression of cucumber RNA-dependent RNA polymerase 1 genes during antiviral defence and resistance. <i>Molecular Plant Pathology</i> , 2018, 19, 300-312.	2.0	42
24	Identification of a New Host Factor Required for Antiviral RNAi and Amplification of Viral siRNAs. <i>Plant Physiology</i> , 2018, 176, 1587-1597.	2.3	37
25	A Bunyavirus-Inducible Ubiquitin Ligase Targets RNA Polymerase IV for Degradation during Viral Pathogenesis in Rice. <i>Molecular Plant</i> , 2020, 13, 836-850.	3.9	36
26	<i>Caenorhabditis elegans</i> RIG-I Homolog Mediates Antiviral RNA Interference Downstream of Dicer-Dependent Biogenesis of Viral Small Interfering RNAs. <i>MBio</i> , 2017, 8, .	1.8	31
27	Genome-wide identification of endogenous RNA-directed DNA methylation loci associated with abundant 21-nucleotide siRNAs in <i>Arabidopsis</i> . <i>Scientific Reports</i> , 2016, 6, 36247.	1.6	26
28	Mechanism and Function of Antiviral RNA Interference in Mice. <i>MBio</i> , 2020, 11, .	1.8	25
29	DNA Geminivirus Infection Induces an Imprinted E3 Ligase Gene to Epigenetically Activate Viral Gene Transcription. <i>Plant Cell</i> , 2020, 32, 3256-3272.	3.1	22
30	<i>Arabidopsis</i> ENOR3 regulates RNAi-mediated antiviral defense. <i>Journal of Genetics and Genomics</i> , 2018, 45, 33-40.	1.7	20
31	Efficient Dicer processing of virus-derived double-stranded RNAs and its modulation by RIG-I-like receptor LGP2. <i>PLoS Pathogens</i> , 2021, 17, e1009790.	2.1	17
32	Reply to "Questioning antiviral RNAi in mammals". <i>Nature Microbiology</i> , 2017, 2, 17053.	5.9	16
33	Hibiscus chlorotic ringspot virus coat protein inhibits trans-acting small interfering RNA biogenesis in <i>Arabidopsis</i> . <i>Journal of General Virology</i> , 2008, 89, 2349-2358.	1.3	15
34	Antiviral RNA Silencing in Mammals: No News Is Not Good News. <i>Cell Reports</i> , 2014, 9, 795-797.	2.9	14
35	Identification of positive and negative regulators of antiviral RNA interference in <i>Arabidopsis thaliana</i> . <i>Nature Communications</i> , 2022, 13, .	5.8	12
36	Mouse circulating extracellular vesicles contain virus-derived siRNAs active in antiviral immunity. <i>EMBO Journal</i> , 2022, 41, e109902.	3.5	11

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37	Mammalian viral suppressors of RNA interference. <i>Trends in Biochemical Sciences</i> , 2022, 47, 978-988.	3.7	11
38	RIG-I-dependent antiviral immunity is effective against an RNA virus encoding a potent suppressor of RNAi. <i>Biochemical and Biophysical Research Communications</i> , 2015, 460, 1035-1040.	1.0	8
39	Cucumber RDR1s and cucumber mosaic virus suppressor protein 2b association directs host defence in cucumber plants. <i>Molecular Plant Pathology</i> , 2021, 22, 1317-1331.	2.0	8
40	JACKed Responses Go Viral: Hormonal Regulation of Antiviral RNAi. <i>Cell Host and Microbe</i> , 2020, 28, 7-9.	5.1	7
41	Boosting stem cell immunity to viruses. <i>Science</i> , 2021, 373, 160-161.	6.0	7
42	RNA-based immunity in insects. , 2001, , 63-74.		5
43	A Sensitized Genetic Screen to Identify Novel Components and Regulators of the Host Antiviral RNA Interference Pathway. <i>Methods in Molecular Biology</i> , 2019, 2028, 215-229.	0.4	5
44	Templating Antiviral RNAi in Insects. <i>Cell Host and Microbe</i> , 2018, 23, 290-292.	5.1	3
45	Altering Intracellular Localization of the RNA Interference Factors by Influenza A Virus Non-structural Protein 1. <i>Frontiers in Microbiology</i> , 2020, 11, 590904.	1.5	3
46	New evidence on the antiviral role of RNA interference in mammals. <i>National Science Review</i> , 2017, 4, 667-668.	4.6	2
47	Editorial overview: Mechanisms in the molecular interactions of plants with viruses and viroids. <i>Current Opinion in Virology</i> , 2021, 49, 27-29.	2.6	1
48	Culture-Independent Discovery of Viroids by Deep Sequencing and Computational Algorithms. <i>Methods in Molecular Biology</i> , 2022, 2316, 251-274.	0.4	1
49	Editorial overview: Engineering for viral resistance. <i>Current Opinion in Virology</i> , 2018, 32, iii.	2.6	0