Shou-Wei Ding

List of Publications by Year
in descending order

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49 papers	7,106 citations	236925 25 h-index	214800 47 g-index
50 all docs	50 docs citations	50 times ranked	5357 citing authors

#	Article	IF	Citations
1	Culture-Independent Discovery of Viroids by Deep Sequencing and Computational Algorithms. Methods in Molecular Biology, 2022, 2316, 251-274.	0.9	1
2	Mouse circulating extracellular vesicles contain virusâ€derived siRNAs active in antiviral immunity. EMBO Journal, 2022, 41, e109902.	7.8	11
3	Mammalian viral suppressors of RNA interference. Trends in Biochemical Sciences, 2022, 47, 978-988.	7.5	11
4	Identification ofÂpositive and negative regulators of antiviral RNA interference in Arabidopsis thaliana. Nature Communications, 2022, 13, .	12.8	12
5	Boosting stem cell immunity to viruses. Science, 2021, 373, 160-161.	12.6	7
6	Cucumber RDR1s and cucumber mosaic virus suppressor protein 2b association directs host defence in cucumber plants. Molecular Plant Pathology, 2021, 22, 1317-1331.	4.2	8
7	Editorial overview: Mechanisms in the molecular interactions of plants with viruses and viroids. Current Opinion in Virology, 2021, 49, 27-29.	5.4	1
8	Efficient Dicer processing of virus-derived double-stranded RNAs and its modulation by RIG-I-like receptor LGP2. PLoS Pathogens, 2021, 17, e1009790.	4.7	17
9	lncRNA Sensing of a Viral Suppressor of RNAi Activates Non-canonical Innate Immune Signaling in Drosophila. Cell Host and Microbe, 2020, 27, 115-128.e8.	11.0	44
10	Altering Intracellular Localization of the RNA Interference Factors by Influenza A Virus Non-structural Protein 1. Frontiers in Microbiology, 2020, 11, 590904.	3.5	3
11	DNA Geminivirus Infection Induces an Imprinted E3 Ligase Gene to Epigenetically Activate Viral Gene Transcription. Plant Cell, 2020, 32, 3256-3272.	6.6	22
12	Mechanism and Function of Antiviral RNA Interference in Mice. MBio, 2020, 11, .	4.1	25
13	JAcked Responses Go Viral: Hormonal Regulation of Antiviral RNAi. Cell Host and Microbe, 2020, 28, 7-9.	11.0	7
14	A Bunyavirus-Inducible Ubiquitin Ligase Targets RNA Polymerase IV for Degradation during Viral Pathogenesis in Rice. Molecular Plant, 2020, 13, 836-850.	8.3	36
15	A Sensitized Genetic Screen to Identify Novel Components and Regulators of the Host Antiviral RNA Interference Pathway. Methods in Molecular Biology, 2019, 2028, 215-229.	0.9	5
16	Small RNA-based antimicrobial immunity. Nature Reviews Immunology, 2019, 19, 31-44.	22.7	282
17	Arabidopsis ENOR3 regulates RNAi-mediated antiviral defense. Journal of Genetics and Genomics, 2018, 45, 33-40.	3.9	20
18	Templating Antiviral RNAi in Insects. Cell Host and Microbe, 2018, 23, 290-292.	11.0	3

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19	Differential expression of cucumber RNAâ€dependent RNA polymerase 1 genes during antiviral defence and resistance. Molecular Plant Pathology, 2018, 19, 300-312.	4.2	42
20	Identification of a New Host Factor Required for Antiviral RNAi and Amplification of Viral siRNAs. Plant Physiology, 2018, 176, 1587-1597.	4.8	37
21	Editorial overview: Engineering for viral resistance. Current Opinion in Virology, 2018, 32, iii.	5.4	0
22	Antiviral RNA interference in mammals. Current Opinion in Immunology, 2018, 54, 109-114.	5.5	69
23	Viral effector protein manipulates host hormone signaling to attract insect vectors. Cell Research, 2017, 27, 402-415.	12.0	115
24	Lipid flippases promote antiviral silencing and the biogenesis of viral and host siRNAs in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 1377-1382.	7.1	52
25	Reply to â€˜Questioning antiviral RNAi in mammalsâ€™. Nature Microbiology, 2017, 2, 17053.	13.3	16
26	Induction and suppression of antiviral RNA interference by influenza A virus in mammalian cells. Nature Microbiology, 2017, 2, 16250.	13.3	120
27	Caenorhabditis elegans RIG-I Homolog Mediates Antiviral RNA Interference Downstream of Dicer-Dependent Biogenesis of Viral Small Interfering RNAs. MBio, 2017, 8, .	4.1	31
28	New evidence on the antiviral role of RNA interference in mammals. National Science Review, 2017, 4, 667-668.	9.5	2
29	Cotton plants export microRNAs to inhibit virulence gene expression in a fungal pathogen. Nature Plants, 2016, 2, 16153.	9.3	418
30	Genome-wide identification of endogenous RNA-directed DNA methylation loci associated with abundant 21-nucleotide siRNAs in Arabidopsis. Scientific Reports, 2016, 6, 36247.	3.3	26
31	RIG-I-dependent antiviral immunity is effective against an RNA virus encoding a potent suppressor of RNAi. Biochemical and Biophysical Research Communications, 2015, 460, 1035-1040.	2.1	8
32	Virus infection triggers widespread silencing of host genes by a distinct class of endogenous siRNAs in Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 14613-14618.	7.1	189
33	Discovery of Replicating Circular RNAs by RNA-Seq and Computational Algorithms. PLoS Pathogens, 2014, 10, e1004553.	4.7	130
34	Antiviral RNA Silencing in Mammals: No News Is Not Good News. Cell Reports, 2014, 9, 795-797.	6.4	14
35	Homologous RIG-Iâ€“like helicase proteins direct RNAi-mediated antiviral immunity in C. elegans by distinct mechanisms. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 16085-16090.	7.1	72
36	RNA Interference Functions as an Antiviral Immunity Mechanism in Mammals. Science, 2013, 342, 231-234.	12.6	308

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37	Suppression of Arabidopsis ARGONAUTE1-Mediated Slicing, Transgene-Induced RNA Silencing, and DNA Methylation by Distinct Domains of the Cucumber mosaic virus 2b Protein. Plant Cell, 2012, 24, 259-274.	6.6	173
38	Virus-derived siRNAs and piRNAs in immunity and pathogenesis. Current Opinion in Virology, 2011, 1, 533-544.	5.4	80
39	The 21-Nucleotide, but Not 22-Nucleotide, Viral Secondary Small Interfering RNAs Direct Potent Antiviral Defense by Two Cooperative Argonautes inArabidopsis thalianaÂ Â. Plant Cell, 2011, 23, 1625-1638.	6.6	354
40	RNA-based antiviral immunity. Nature Reviews Immunology, 2010, 10, 632-644.	22.7	764
41	RNAi-mediated viral immunity requires amplification of virus-derived siRNAs in Arabidopsis thaliana. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 484-489.	7.1	385
42	Hibiscus chlorotic ringspot virus coat protein inhibits trans-acting small interfering RNA biogenesis in Arabidopsis. Journal of General Virology, 2008, 89, 2349-2358.	2.9	15
43	Suppression of Antiviral Silencing by Cucumber Mosaic Virus 2b Protein in Arabidopsis Is Associated with Drastically Reduced Accumulation of Three Classes of Viral Small Interfering RNAs. Plant Cell, 2007, 19, 2053-2063.	6.6	354
44	Antiviral Immunity Directed by Small RNAs. Cell, 2007, 130, 413-426.	28.9	1,304
45	Virus Counterdefense: Diverse Strategies for Evading the RNA-Silencing Immunity. Annual Review of Microbiology, 2006, 60, 503-531.	7.3	403
46	RNA Interference Directs Innate Immunity Against Viruses in Adult Drosophila. Science, 2006, 312, 452-454.	12.6	638
47	RNA-based immunity in insects. , 2001, , 63-74.		5
48	Strong host resistance targeted against a viral suppressor of the plant gene silencing defence mechanism. EMBO Journal, 1999, 18, 2683-2691.	7.8	206
49	New Overlapping Gene Encoded by the Cucumber Mosaic Virus Genome. Virology, 1994, 198, 593-601.	2.4	261