Hiro-oki Iwakawa

List of Publications by Year
in descending order

25	1,819	471509	642732
papers	citations	17 h-index	23 g-index

28	28	28	2353
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Life of RISC: Formation, action, and degradation of RNA-induced silencing complex. Molecular Cell, 2022, 82, 30-43.	9.7	138
2	Functional specialization of monocot DCL3 and DCL5 proteins through the evolution of the PAZ domain. Nucleic Acids Research, 2022, 50, 4669-4684.	14.5	8
3	Ribosome stalling caused by the Argonaute-microRNA-SGS3 complex regulates the production of secondary siRNAs in plants. Cell Reports, 2021, 35, 109300.	6.4	30
4	Cell-free reconstitution reveals the molecular mechanisms for the initiation of secondary siRNA biogenesis in plants. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	23
5	Plant 22-nt siRNAs mediate translational repression and stress adaptation. Nature, 2020, 581, 89-93.	27.8	112
6	In vitro RNA-dependent RNA Polymerase Assay Using Arabidopsis RDR6. Bio-protocol, 2018, 8, e2673.	0.4	0
7	In Vitro Analysis of ARGONAUTE-Mediated Target Cleavage and Translational Repression in Plants. Methods in Molecular Biology, 2017, 1640, 55-71.	0.9	10
8	The poly(A) tail blocks RDR6 from converting self mRNAs into substrates for gene silencing. Nature Plants, 2017, 3, 17036.	9.3	66
9	Silencing messages in a unique way. Nature Plants, 2017, 3, 769-770.	9.3	3
10	Requirement for eukaryotic translation initiation factors in cap-independent translation differs between bipartite genomic RNAs of red clover necrotic mosaic virus. Virology, 2017, 509, 152-158.	2.4	11
11	Biochemical and single-molecule analyses of the RNA silencing suppressing activity of CrPV-1A. Nucleic Acids Research, 2017, 45, 10837-10844.	14.5	9
12	microRNA-Mediated Translational Repression in Plants and Animals. Kagaku To Seibutsu, 2015, 53, 510-514.	0.0	0
13	The Functions of MicroRNAs: mRNA Decay and Translational Repression. Trends in Cell Biology, 2015, 25, 651-665.	7.9	648
14	MicroRNAs Block Assembly of eIF4F Translation Initiation Complex in Drosophila. Molecular Cell, 2014, 56, 67-78.	9.7	100
15	Molecular Insights into microRNA-Mediated Translational Repression in Plants. Molecular Cell, 2013, 52, 591-601.	9.7	229
16	Arabidopsis ARGONAUTE7 selects miR390 through multiple checkpoints during RISC assembly. EMBO Reports, 2013, 14, 652-658.	4.5	71
17	Poly(A)-Binding Protein Facilitates Translation of an Uncapped/Nonpolyadenylated Viral RNA by Binding to the 3â€² Untranslated Region. Journal of Virology, 2012, 86, 7836-7849.	3.4	41
18	Identification of amino acids in auxiliary replicase protein p27 critical for its RNA-binding activity and the assembly of the replicase complex in Red clover necrotic mosaic virus. Virology, 2011, 413, 300-309.	2.4	21

#	Article	IF	Citations
19	A long-distance RNAâ€“RNA interaction plays an important role in programmed â^' 1 ribosomal frameshifting in the translation of p88 replicase protein of Red clover necrotic mosaic virus. Virology, 2011, 417, 169-178.	2.4	40
20	Template Recognition Mechanisms by Replicase Proteins Differ between Bipartite Positive-Strand Genomic RNAs of a Plant Virus. Journal of Virology, 2011, 85, 497-509.	3.4	39
21	A Y-shaped RNA structure in the 3â€² untranslated region together with the trans-activator and core promoter of Red clover necrotic mosaic virus RNA2 is required for its negative-strand RNA synthesis. Virology, 2010, 405, 100-109.	2.4	18
22	Host-dependent roles of the viral 5â€² untranslated region (UTR) in RNA stabilization and cap-independent translational enhancement mediated by the 3â€² UTR of Red clover necrotic mosaic virus RNA1. Virology, 2009, 391, 107-118.	2.4	38
23	A Viral Noncoding RNA Generated by cis -Element-Mediated Protection against 5â€²â†'3â€² RNA Decay Represses both Cap-Independent and Cap-Dependent Translation. Journal of Virology, 2008, 82, 10162-10174.	3.4	78
24	cis-Acting core RNA elements required for negative-strand RNA synthesis and cap-independent translation are separated in the 3â€²-untranslated region of Red clover necrotic mosaic virus RNA1. Virology, 2007, 369, 168-181.	2.4	38
25	Cap-Independent Translation Mechanism of Red Clover Necrotic Mosaic Virus RNA2 Differs from That of RNA1 and Is Linked to RNA Replication. Journal of Virology, 2006, 80, 3781-3791.	3.4	44