

Hiro-oki Iwakawa

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,819
citations

471509

17
h-index

642732

23
g-index

28
all docs

28
docs citations

28
times ranked

2353
citing authors

#	ARTICLE	IF	CITATIONS
1	The Functions of MicroRNAs: mRNA Decay and Translational Repression. <i>Trends in Cell Biology</i> , 2015, 25, 651-665.	7.9	648
2	Molecular Insights into microRNA-Mediated Translational Repression in Plants. <i>Molecular Cell</i> , 2013, 52, 591-601.	9.7	229
3	Life of RISC: Formation, action, and degradation of RNA-induced silencing complex. <i>Molecular Cell</i> , 2022, 82, 30-43.	9.7	138
4	Plant 22-nt siRNAs mediate translational repression and stress adaptation. <i>Nature</i> , 2020, 581, 89-93.	27.8	112
5	MicroRNAs Block Assembly of eIF4F Translation Initiation Complex in <i>Drosophila</i> . <i>Molecular Cell</i> , 2014, 56, 67-78.	9.7	100
6	A Viral Noncoding RNA Generated by <i>cis</i> -Element-Mediated Protection against 5' RNA Decay Represses both Cap-Independent and Cap-Dependent Translation. <i>Journal of Virology</i> , 2008, 82, 10162-10174.	3.4	78
7	<i>Arabidopsis</i> ARGONAUTE7 selects miR390 through multiple checkpoints during RISC assembly. <i>EMBO Reports</i> , 2013, 14, 652-658.	4.5	71
8	The poly(A) tail blocks RDR6 from converting self mRNAs into substrates for gene silencing. <i>Nature Plants</i> , 2017, 3, 17036.	9.3	66
9	Cap-Independent Translation Mechanism of Red Clover Necrotic Mosaic Virus RNA2 Differs from That of RNA1 and Is Linked to RNA Replication. <i>Journal of Virology</i> , 2006, 80, 3781-3791.	3.4	44
10	Poly(A)-Binding Protein Facilitates Translation of an Uncapped/Nonpolyadenylated Viral RNA by Binding to the 3' Untranslated Region. <i>Journal of Virology</i> , 2012, 86, 7836-7849.	3.4	41
11	A long-distance RNA-RNA interaction plays an important role in programmed 1 ribosomal frameshifting in the translation of p88 replicase protein of Red clover necrotic mosaic virus. <i>Virology</i> , 2011, 417, 169-178.	2.4	40
12	Template Recognition Mechanisms by Replicase Proteins Differ between Bipartite Positive-Strand Genomic RNAs of a Plant Virus. <i>Journal of Virology</i> , 2011, 85, 497-509.	3.4	39
13	<i>cis</i> -Acting core RNA elements required for negative-strand RNA synthesis and cap-independent translation are separated in the 3'-untranslated region of Red clover necrotic mosaic virus RNA1. <i>Virology</i> , 2007, 369, 168-181.	2.4	38
14	Host-dependent roles of the viral 5' untranslated region (UTR) in RNA stabilization and cap-independent translational enhancement mediated by the 3' UTR of Red clover necrotic mosaic virus RNA1. <i>Virology</i> , 2009, 391, 107-118.	2.4	38
15	Ribosome stalling caused by the Argonaute-microRNA-SCS3 complex regulates the production of secondary siRNAs in plants. <i>Cell Reports</i> , 2021, 35, 109300.	6.4	30
16	Cell-free reconstitution reveals the molecular mechanisms for the initiation of secondary siRNA biogenesis in plants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	23
17	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. <i>Virology</i> , 2011, 413, 300-309.	2.4	21
18	A Y-shaped RNA structure in the 3' 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. <i>Virology</i> , 2010, 405, 100-109.	2.4	18

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19	Requirement for eukaryotic translation initiation factors in cap-independent translation differs between bipartite genomic RNAs of red clover necrotic mosaic virus. <i>Virology</i> , 2017, 509, 152-158.	2.4	11
20	In Vitro Analysis of ARGONAUTE-Mediated Target Cleavage and Translational Repression in Plants. <i>Methods in Molecular Biology</i> , 2017, 1640, 55-71.	0.9	10
21	Biochemical and single-molecule analyses of the RNA silencing suppressing activity of CrPV-1A. <i>Nucleic Acids Research</i> , 2017, 45, 10837-10844.	14.5	9
22	Functional specialization of monocot DCL3 and DCL5 proteins through the evolution of the PAZ domain. <i>Nucleic Acids Research</i> , 2022, 50, 4669-4684.	14.5	8
23	Silencing messages in a unique way. <i>Nature Plants</i> , 2017, 3, 769-770.	9.3	3
24	microRNA-Mediated Translational Repression in Plants and Animals. <i>Kagaku To Seibutsu</i> , 2015, 53, 510-514.	0.0	0
25	In vitro RNA-dependent RNA Polymerase Assay Using Arabidopsis RDR6. <i>Bio-protocol</i> , 2018, 8, e2673.	0.4	0