

Gyorgy Szittya

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

4,264
citations

279701

23
h-index

360920

35
g-index

35
all docs

35
docs citations

35
times ranked

3923
citing authors

#	ARTICLE	IF	CITATIONS
1	A viral protein suppresses RNA silencing and binds silencing-generated, 21- to 25-nucleotide double-stranded RNAs. <i>EMBO Journal</i> , 2002, 21, 3070-3080.	3.5	562
2	Size Selective Recognition of siRNA by an RNA Silencing Suppressor. <i>Cell</i> , 2003, 115, 799-811.	13.5	494
3	Deep sequencing of tomato short RNAs identifies microRNAs targeting genes involved in fruit ripening. <i>Genome Research</i> , 2008, 18, 1602-1609.	2.4	423
4	Low temperature inhibits RNA silencing-mediated defence by the control of siRNA generation. <i>EMBO Journal</i> , 2003, 22, 633-640.	3.5	416
5	Molecular mechanism of RNA silencing suppression mediated by p19 protein of tombusviruses. <i>EMBO Journal</i> , 2004, 23, 876-884.	3.5	357
6	Identification of grapevine microRNAs and their targets using high throughput sequencing and degradome analysis. <i>Plant Journal</i> , 2010, 62, 960-76.	2.8	335
7	High-throughput sequencing of <i>Medicago truncatula</i> short RNAs identifies eight new miRNA families. <i>BMC Genomics</i> , 2008, 9, 593.	1.2	248
8	Short Defective Interfering RNAs of Tombusviruses Are Not Targeted but Trigger Post-Transcriptional Gene Silencing against Their Helper Virus. <i>Plant Cell</i> , 2002, 14, 359-372.	3.1	215
9	Molecular Bases of Viral RNA Targeting by Viral Small Interfering RNA-Programmed RISC. <i>Journal of Virology</i> , 2007, 81, 3797-3806.	1.5	155
10	Profiling of short RNAs during fleshy fruit development reveals stage-specific sRNAome expression patterns. <i>Plant Journal</i> , 2011, 67, 232-246.	2.8	138
11	Structural and Functional Analysis of Viral siRNAs. <i>PLoS Pathogens</i> , 2010, 6, e1000838.	2.1	128
12	RNA Interference-Mediated Intrinsic Antiviral Immunity in Plants. <i>Current Topics in Microbiology and Immunology</i> , 2013, 371, 153-181.	0.7	98
13	PAREsnip: a tool for rapid genome-wide discovery of small RNA/target interactions evidenced through degradome sequencing. <i>Nucleic Acids Research</i> , 2012, 40, e103-e103.	6.5	96
14	NGS of Virus-Derived Small RNAs as a Diagnostic Method Used to Determine Viromes of Hungarian Vineyards. <i>Frontiers in Microbiology</i> , 2015, 9, 122.	1.5	95
15	Diverse correlation patterns between microRNAs and their targets during tomato fruit development indicates different modes of microRNA actions. <i>Planta</i> , 2012, 236, 1875-1887.	1.6	90
16	Ambient temperature regulates the expression of a small set of sRNAs influencing plant development through <i>NF-YA2</i> and <i>YUC2</i> . <i>Plant, Cell and Environment</i> , 2018, 41, 2404-2417.	2.8	67
17	Identification of grapevine microRNAs and their targets using high-throughput sequencing and degradome analysis. <i>Plant Journal</i> , 2010, 62, no-no.	2.8	53
18	The ORF1 Products of Tombusviruses Play a Crucial Role in Lethal Necrosis of Virus-Infected Plants. <i>Journal of Virology</i> , 2000, 74, 10873-10881.	1.5	41

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19	AGO-unbound cytosolic pool of mature miRNAs in plant cells reveals a novel regulatory step at AGO1 loading. <i>Nucleic Acids Research</i> , 2019, 47, 9803-9817.	6.5	38
20	Identification of <i>Nicotiana benthamiana</i> microRNAs and their targets using high throughput sequencing and degradome analysis. <i>BMC Genomics</i> , 2015, 16, 1025.	1.2	37
21	<i>Cymbidium</i> Ringspot Tombusvirus Coat Protein Coding Sequence Acts as an Avirulent RNA. <i>Journal of Virology</i> , 2001, 75, 2411-2420.	1.5	31
22	Characterization of the Molecular Mechanism of Defective Interfering RNA-Mediated Symptom Attenuation in Tombusvirus-Infected Plants. <i>Journal of Virology</i> , 1998, 72, 6251-6256.	1.5	28
23	Generation of Defective Interfering RNA Dimers of <i>Cymbidium</i> Ringspot Tombusvirus. <i>Virology</i> , 1995, 207, 510-517.	1.1	23
24	The complete nucleotide sequence and synthesis of infectious RNA of genomic and defective interfering RNAs of TBSV-P. <i>Virus Research</i> , 2000, 69, 131-136.	1.1	16
25	Suppression of <i>NLR</i> genes by miRNAs promotes nitrogen-fixing nodule development in <i>Medicago truncatula</i> . <i>Plant, Cell and Environment</i> , 2020, 43, 1117-1129.	2.8	14
26	Genome-Wide Identification of RNA Silencing-Related Genes and Their Expressional Analysis in Response to Heat Stress in Barley (<i>Hordeum vulgare</i> L.). <i>Biomolecules</i> , 2020, 10, 929.	1.8	14
27	Transcriptome reprogramming in the shoot apical meristem of CymRSV-infected <i>Nicotiana benthamiana</i> plants associates with viral exclusion and the lack of recovery. <i>Molecular Plant Pathology</i> , 2019, 20, 1748-1758.	2.0	11
28	Expansion of <i>Capsicum annum</i> fruit is linked to dynamic tissue-specific differential expression of miRNA and siRNA profiles. <i>PLoS ONE</i> , 2018, 13, e0200207.	1.1	8
29	Size-dependent cell-to-cell movement of defective interfering RNAs of <i>Cymbidium</i> ringspot virus. <i>Journal of General Virology</i> , 2002, 83, 1505-1510.	1.3	8
30	Molecular characterization of a beet ringspot nepovirus isolated from <i>Begonia ricinifolia</i> in Hungary. <i>Archives of Virology</i> , 2017, 162, 3559-3562.	0.9	7
31	First report of the infection of alfalfa mosaic virus in <i>Salvia sclarea</i> in Hungary. <i>Journal of Plant Pathology</i> , 2018, 100, 607-607.	0.6	7
32	Regulation of High-Temperature Stress Response by Small RNAs. <i>Concepts and Strategies in Plant Sciences</i> , 2020, , 171-197.	0.6	3
33	Molecular characterization and In Vitro synthesis of infectious RNA of a Turnip vein-clearing virus isolated from <i>Alliaria petiolata</i> in Hungary. <i>PLoS ONE</i> , 2019, 14, e0224398.	1.1	2
34	Identification of ARGONAUTE/Small RNA Cleavage Sites by Degradome Sequencing. <i>Methods in Molecular Biology</i> , 2017, 1640, 113-128.	0.4	1