# JÃ³zsef BurgyÃ¡n

List of Publications by Year
in descending order

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| 69 | 9,468 | 53660 | 102304 |
|---|---|---|---|
| papers | citations | 45 h-index | 66 g-index |

| 69 | 69 | 69 | 6435 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Argonaute 2 Controls Antiviral Activity against Sweet Potato Mild Mottle Virus in Nicotiana benthamiana. Plants, 2021, 10, 867. | 1.6 | 5 |
| 2 | Transcriptome reprogramming in the shoot apical meristem of CymRSVâ€infected Nicotiana benthamiana plants associates with viral exclusion and the lack of recovery. Molecular Plant Pathology, 2019, 20, 1748-1758. | 2.0 | 11 |
| 3 | The nonstop decay and the RNA silencing systems operate cooperatively in plants. Nucleic Acids Research, 2018, 46, 4632-4648. | 6.5 | 79 |
| 4 | Crispr/Cas9 Mediated Inactivation of Argonaute 2 Reveals its Differential Involvement in Antiviral Responses. Scientific Reports, 2017, 7, 1010. | 1.6 | 56 |
| 5 | Establishment of an In Vivo ARGONAUTE Reporter System in Plants. Methods in Molecular Biology, 2017, 1640, 73-91. | 0.4 | 1 |
| 6 | Antiviral Silencing and Suppression of Gene Silencing in Plants. , 2016, , 1-33. | | 12 |
| 7 | Functional dissection of a plant Argonaute. Nucleic Acids Research, 2016, 44, 1384-1397. | 6.5 | 75 |
| 8 | RNA Silencing May Play a Role in but Is Not the Only Determinant of the Multiplicity of Infection. Journal of Virology, 2016, 90, 553-561. | 1.5 | 10 |
| 9 | Distinct Effects of p19 RNA Silencing Suppressor on Small RNA Mediated Pathways in Plants. PLoS Pathogens, 2016, 12, e1005935. | 2.1 | 67 |
| 10 | Identification of Nicotiana benthamiana microRNAs and their targets using high throughput sequencing and degradome analysis. BMC Genomics, 2015, 16, 1025. | 1.2 | 37 |
| 11 | viral silencing suppressors: Tools forged to fine-tune host-pathogen coexistence. Virology, 2015, 479-480, 85-103. | 1.1 | 466 |
| 12 | NGS of Virus-Derived Small RNAs as a Diagnostic Method Used to Determine Viromes of Hungarian Vineyards. Frontiers in Microbiology, 2015, 9, 122. | 1.5 | 95 |
| 13 | Analysis of small RNAs derived from tomato yellow leaf curl Sardinia virus reveals a cross reaction between the major viral hotspot and the plant host genome. Virus Research, 2013, 178, 287-296. | 1.1 | 39 |
| 14 | Genomeâ€wide identification of viral and host transcripts targeted by viral <scp>siRNAs</scp> in <scp>V</scp>itis vinifera. Molecular Plant Pathology, 2013, 14, 30-43. | 2.0 | 69 |
| 15 | RNA Interference-Mediated Intrinsic Antiviral Immunity in Plants. Current Topics in Microbiology and Immunology, 2013, 371, 153-181. | 0.7 | 98 |
| 16 | The 5â€² regulatory sequences of active miR-146a promoters are hypomethylated and associated with euchromatic histone modification marks in B lymphoid cells. Biochemical and Biophysical Research Communications, 2013, 433, 489-495. | 1.0 | 14 |
| 17 | AGO/RISC-mediated antiviral RNA silencing in a plant in vitro system. Nucleic Acids Research, 2013, 41, 5090-5103. | 6.5 | 102 |
| 18 | Virus-induced gene silencing of Mlo genes induces powdery mildew resistance in Triticum aestivum. Archives of Virology, 2012, 157, 1345-1350. | 0.9 | 59 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Viral suppressors of RNA silencing. Trends in Plant Science, 2011, 16, 265-272. | 4.3 | 385 |
| 20 | A Viral Satellite RNA Induces Yellow Symptoms on Tobacco by Targeting a Gene Involved in Chlorophyll Biosynthesis using the RNA Silencing Machinery. PLoS Pathogens, 2011, 7, e1002021. | 2.1 | 263 |
| 21 | Gel Mobility Shift Assays for RNA Binding Viral RNAi Suppressors. Methods in Molecular Biology, 2011, 721, 245-252. | 0.4 | 6 |
| 22 | Deep sequencing analysis of viral short RNAs from an infected Pinot Noir grapevine. Virology, 2010, 408, 49-56. | 1.1 | 109 |
| 23 | Polerovirus protein P0 prevents the assembly of small RNA-containing RISC complexes and leads to degradation of ARGONAUTE1. Plant Journal, 2010, 62, 463-472. | 2.8 | 173 |
| 24 | Identification of grapevine microRNAs and their targets using high-throughput sequencing and degradome analysis. Plant Journal, 2010, 62, no-no. | 2.8 | 53 |
| 25 | Plant virus-mediated induction of miR168 is associated with repression of ARGONAUTE1 accumulation. EMBO Journal, 2010, 29, 3507-3519. | 3.5 | 214 |
| 26 | Structural and Functional Analysis of Viral siRNAs. PLoS Pathogens, 2010, 6, e1000838. | 2.1 | 128 |
| 27 | Viral Protein Inhibits RISC Activity by Argonaute Binding through Conserved WG/GW Motifs. PLoS Pathogens, 2010, 6, e1000996. | 2.1 | 163 |
| 28 | Identification of grapevine microRNAs and their targets using high throughput sequencing and degradome analysis. Plant Journal, 2010, 62, 960-76. | 2.8 | 335 |
| 29 | Deep Sequencing of Viroid-Derived Small RNAs from Grapevine Provides New Insights on the Role of RNA Silencing in Plant-Viroid Interaction. PLoS ONE, 2009, 4, e7686. | 1.1 | 130 |
| 30 | Plant virus infectionâ€induced persistent host gene downregulation in systemically infected leaves. Plant Journal, 2008, 55, 278-288. | 2.8 | 71 |
| 31 | MicroRNA detection by northern blotting using locked nucleic acid probes. Nature Protocols, 2008, 3, 190-196. | 5.5 | 541 |
| 32 | Role of Silencing Suppressor Proteins. Methods in Molecular Biology, 2008, 451, 69-79. | 0.4 | 30 |
| 33 | Cymbidium Ringspot Virus Harnesses RNA Silencing To Control the Accumulation of Virus Parasite Satellite RNA. Journal of Virology, 2008, 82, 11851-11858. | 1.5 | 23 |
| 34 | Inhibition of 3' modification of small RNAs in virus-infected plants require spatial and temporal co-expression of small RNAs and viral silencing-suppressor proteins. Nucleic Acids Research, 2008, 36, 4099-4107. | 6.5 | 81 |
| 35 | Analysis of siRNA-Suppressor of Gene Silencing Interactions. Methods in Molecular Biology, 2008, 451, 331-337. | 0.4 | 0 |
| 36 | The NS3 protein of Rice hoja blanca tenuivirus suppresses RNA silencing in plant and insect hosts by efficiently binding both siRNAs and miRNAs. Rna, 2007, 13, 1079-1089. | 1.6 | 92 |

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|---|---|---|---|
| 37 | Molecular Bases of Viral RNA Targeting by Viral Small Interfering RNA-Programmed RISC. Journal of Virology, 2007, 81, 3797-3806. | 1.5 | 155 |
| 38 | Detection of microRNAs by Northern blot analyses using LNA probes. Methods, 2007, 43, 140-145. | 1.9 | 90 |
| 39 | The p122 Subunit of Tobacco Mosaic Virus Replicase Is a Potent Silencing Suppressor and Compromises both Small Interfering RNA- and MicroRNA-Mediated Pathways. Journal of Virology, 2007, 81, 11768-11780. | 1.5 | 157 |
| 40 | Spatio-temporal accumulation of microRNAs is highly coordinated in developing plant tissues. Plant Journal, 2006, 47, 140-151. | 2.8 | 130 |
| 41 | Small RNA binding is a common strategy to suppress RNA silencing by several viral suppressors. EMBO Journal, 2006, 25, 2768-2780. | 3.5 | 440 |
| 42 | Defective Interfering RNA Hinders the Activity of a Tombusvirus-Encoded Posttranscriptional Gene Silencing Suppressor. Journal of Virology, 2005, 79, 450-457. | 1.5 | 56 |
| 43 | Plant Virus-Derived Small Interfering RNAs Originate Predominantly from Highly Structured Single-Stranded Viral RNAs. Journal of Virology, 2005, 79, 7812-7818. | 1.5 | 373 |
| 44 | Aureusvirus P14 Is an Efficient RNA Silencing Suppressor That Binds Double-Stranded RNAs without Size Specificity. Journal of Virology, 2005, 79, 7217-7226. | 1.5 | 133 |
| 45 | Sensitive and specific detection of microRNAs by northern blot analysis using LNA-modified oligonucleotide probes. Nucleic Acids Research, 2004, 32, e175-e175. | 6.5 | 751 |
| 46 | Molecular mechanism of RNA silencing suppression mediated by p19 protein of tombusviruses. EMBO Journal, 2004, 23, 876-884. | 3.5 | 357 |
| 47 | Effects and side-effects of viral RNA silencing suppressors on short RNAs. Trends in Plant Science, 2004, 9, 76-83. | 4.3 | 175 |
| 48 | Low temperature inhibits RNA silencing-mediated defence by the control of siRNA generation. EMBO Journal, 2003, 22, 633-640. | 3.5 | 416 |
| 49 | Size Selective Recognition of siRNA by an RNA Silencing Suppressor. Cell, 2003, 115, 799-811. | 13.5 | 494 |
| 50 | In Situ Characterization of Cymbidium Ringspot Tombusvirus Infection-Induced Posttranscriptional Gene Silencing in Nicotiana benthamiana. Journal of Virology, 2003, 77, 6082-6086. | 1.5 | 92 |
| 51 | Double-stranded RNA-binding proteins could suppress RNA interference-mediated antiviral defences. Journal of General Virology, 2003, 84, 975-980. | 1.3 | 103 |
| 52 | Short Defective Interfering RNAs of Tombusviruses Are Not Targeted but Trigger Post-Transcriptional Gene Silencing against Their Helper Virus. Plant Cell, 2002, 14, 359-372. | 3.1 | 215 |
| 53 | A viral protein suppresses RNA silencing and binds silencing-generated, 21- to 25-nucleotide double-stranded RNAs. EMBO Journal, 2002, 21, 3070-3080. | 3.5 | 562 |
| 54 | Size-dependent cell-to-cell movement of defective interfering RNAs of Cymbidium ringspot virus. Journal of General Virology, 2002, 83, 1505-1510. | 1.3 | 8 |

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|---|---|---|---|
| 55 | The ORF1 Products of Tombusviruses Play a Crucial Role in Lethal Necrosis of Virus-Infected Plants. Journal of Virology, 2000, 74, 10873-10881. | 1.5 | 41 |
| 56 | The complete nucleotide sequence and synthesis of infectious RNA of genomic and defective interfering RNAs of TBSV-P. Virus Research, 2000, 69, 131-136. | 1.1 | 16 |
| 57 | Interactions between Tombusviruses and Satellite RNAs of Tomato Bushy Stunt Virus: A Defect in sat RNA B1 Replication Maps to ORF1 of a Helper Virus. Virology, 1999, 262, 129-138. | 1.1 | 11 |
| 58 | Tombusvirus Isolation and RNA Extraction. , 1998, 81, 225-230. | | 6 |
| 59 | Generation of Defective Interfering RNA Dimers of Cymbidium Ringspot Tombusvirus. Virology, 1995, 207, 510-517. | 1.1 | 23 |
| 60 | Evidence That ORF 1 and 2 Are the Only Virus-Encoded Replicase Genes of Cymbidium Ringspot Tombusvirus. Virology, 1994, 201, 169-172. | 1.1 | 30 |
| 61 | Nucleotide sequence and infectious in vitro transcripts of RNA 3 of tomato aspermy virus pepper isolate. Virus Research, 1994, 33, 281-289. | 1.1 | 23 |
| 62 | Expression of homologous and heterologous viral coat protein-encoding genes using recombinant DI RNA from cymbidium ringspot tombusvirus. Gene, 1994, 138, 159-163. | 1.0 | 10 |
| 63 | Molecular Biology of Tombusviridae. Advances in Virus Research, 1994, 44, 381-428. | 0.9 | 187 |
| 64 | Defective Interfering RNA-Mediated Resistance against Cymbidium Ringspot Tombusvirus in Transgenic Plants. Virology, 1993, 193, 313-318. | 1.1 | 48 |
| 65 | Functional Analysis of Cymbidium Ringspot Virus Genome. Virology, 1993, 194, 697-704. | 1.1 | 104 |
| 66 | Comparative sequence analysis of four complete primary structures of plum pox virus strains. Virus Genes, 1993, 7, 339-347. | 0.7 | 54 |
| 67 | Consequences of gene transfer between distantly related tombusviruses. Gene, 1993, 129, 191-196. | 1.0 | 4 |
| 68 | Cloning and sequencing of potato virus Y (Hungarian isolate) genomic RNA. Gene, 1993, 123, 149-156. | 1.0 | 94 |
| 69 | The replication of cymbidium ringspot tombusvirus defective interfering-satellite RNA hybrid molecules. Virology, 1992, 190, 579-586. | 1.1 | 18 |