

# Mikhail M Pooggin

## List of Publications by Year in descending order

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44  
papers

3,083  
citations

212478

28  
h-index

286692

43  
g-index

46  
all docs

46  
docs citations

46  
times ranked

2741  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Cauliflower mosaic virus protein P6 $\epsilon$ TAV plays a major role in alteration of aphid vector feeding behaviour but not performance on infected <i>Arabidopsis</i> . <i>Molecular Plant Pathology</i> , 2021, 22, 911-920.                                     | 2.0 | 10        |
| 2  | Extrachromosomal viral DNA produced by transcriptionally active endogenous viral elements in non-infected banana hybrids impedes quantitative PCR diagnostics of banana streak virus infections in banana hybrids. <i>Journal of General Virology</i> , 2021, 102, . | 1.3 | 2         |
| 3  | Plant virome reconstruction and antiviral RNAi characterization by deep sequencing of small RNAs from dried leaves. <i>Scientific Reports</i> , 2019, 9, 19268.  | 1.6 | 26        |
| 4  | Small RNA-Omics for Virome Reconstruction and Antiviral Defense Characterization in Mixed Infections of Cultivated <i>Solanum</i> Plants. <i>Molecular Plant-Microbe Interactions</i> , 2018, 31, 707-723.   | 1.4 | 23        |
| 5  | Revisiting the Roles of Tobamovirus Replicase Complex Proteins in Viral Replication and Silencing Suppression. <i>Molecular Plant-Microbe Interactions</i> , 2018, 31, 125-144.  | 1.4 | 21        |
| 6  | Ribosome Shunting, Polycistronic Translation, and Evasion of Antiviral Defenses in Plant Pararetroviruses and Beyond. <i>Frontiers in Microbiology</i> , 2018, 9, 644.   | 1.5 | 36        |
| 7  | RNAi-mediated resistance to viruses: a critical assessment of methodologies. <i>Current Opinion in Virology</i> , 2017, 26, 28-35.   | 2.6 | 59        |
| 8  | Emergence of a Latent Indian Cassava Mosaic Virus from Cassava Which Recovered from Infection by a Non-Persistent Sri Lankan Cassava Mosaic Virus. <i>Viruses</i> , 2016, 8, 264.  | 1.5 | 15        |
| 9  | Viral protein suppresses oxidative burst and salicylic acid $\epsilon$ dependent autophagy and facilitates bacterial growth on virus $\epsilon$ infected plants. <i>New Phytologist</i> , 2016, 211, 1020-1034.  | 3.5 | 92        |
| 10 | Field Trial and Molecular Characterization of RNAi-Transgenic Tomato Plants That Exhibit Resistance to Tomato Yellow Leaf Curl Geminivirus. <i>Molecular Plant-Microbe Interactions</i> , 2016, 29, 197-209.   | 1.4 | 60        |
| 11 | Role of Small RNAs in Virus-Host Interaction. , 2016, , 161-189.   |     | 5         |
| 12 | MISIS-2: A bioinformatics tool for in-depth analysis of small RNAs and representation of consensus master genome in viral quasispecies. <i>Journal of Virological Methods</i> , 2016, 233, 37-40.  | 1.0 | 41        |
| 13 | Interactions of Rice Tungro Bacilliform Pararetrovirus and Its Protein P4 with Plant RNA-Silencing Machinery. <i>Molecular Plant-Microbe Interactions</i> , 2014, 27, 1370-1378.   | 1.4 | 33        |
| 14 | MISIS: A bioinformatics tool to view and analyze maps of small RNAs derived from viruses and genomic loci generating multiple small RNAs. <i>Journal of Virological Methods</i> , 2014, 195, 120-122.  | 1.0 | 37        |
| 15 | Evasion of Short Interfering RNA-Directed Antiviral Silencing in <i>Musa acuminata</i> Persistently Infected with Six Distinct Banana Streak Pararetroviruses. <i>Journal of Virology</i> , 2014, 88, 11516-11528.   | 1.5 | 27        |
| 16 | De Novo Reconstruction of Consensus Master Genomes of Plant RNA and DNA Viruses from siRNAs. <i>PLoS ONE</i> , 2014, 9, e88513.  | 1.1 | 101       |
| 17 | How Can Plant DNA Viruses Evade siRNA-Directed DNA Methylation and Silencing?. <i>International Journal of Molecular Sciences</i> , 2013, 14, 15233-15259.   | 1.8 | 93        |
| 18 | Short ORF-Dependent Ribosome Shunting Operates in an RNA Picorna-Like Virus and a DNA Pararetrovirus that Cause Rice Tungro Disease. <i>PLoS Pathogens</i> , 2012, 8, e1002568.  | 2.1 | 22        |

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|----|--|-----|-----------|
| 19 | Primary and Secondary siRNAs in Geminivirus-induced Gene Silencing. <i>PLoS Pathogens</i> , 2012, 8, e1002941.   | 2.1 | 148       |
| 20 | Silencing and Innate Immunity in Plant Defense Against Viral and Non-Viral Pathogens. <i>Viruses</i> , 2012, 4, 2578-2597.   | 1.5 | 214       |
| 21 | Sequencing of RDR6-dependent double-stranded RNAs reveals novel features of plant siRNA biogenesis. <i>Nucleic Acids Research</i> , 2012, 40, 6241-6254.   | 6.5 | 65        |
| 22 | RDR6-mediated synthesis of complementary RNA is terminated by miRNA stably bound to template RNA. <i>Nucleic Acids Research</i> , 2012, 40, 594-599.   | 6.5 | 37        |
| 23 | Role of Virus-Derived Small RNAs in Plant Antiviral Defense: Insights from DNA Viruses. <i>Signaling and Communication in Plants</i> , 2012, , 261-289.  | 0.5 | 7         |
| 24 | Massive production of small RNAs from a non-coding region of Cauliflower mosaic virus in plant defense and viral counter-defense. <i>Nucleic Acids Research</i> , 2011, 39, 5003-5014.   | 6.5 | 144       |
| 25 | Specific Impact of Tobamovirus Infection on the Arabidopsis Small RNA Profile. <i>PLoS ONE</i> , 2011, 6, e19549.  | 1.1 | 70        |
| 26 | Complete genome sequence of an Iranian isolate of Potato virus X from the legume plant <i>Pisum sativum</i> . <i>Virus Genes</i> , 2009, 39, 141-145.  | 0.7 | 11        |
| 27 | Salt stress alleviation in transgenic <i>Vigna mungo</i> L. Hepper (blackgram) by overexpression of the glyoxalase I gene using a novel <i>Cestrum</i> yellow leaf curling virus (CmYLCV) promoter. <i>Molecular Breeding</i> , 2008, 22, 169-181. | 1.0 | 70        |
| 28 | Generation of marker free salt tolerant transgenic plants of <i>Arabidopsis thaliana</i> using the gly I gene and cre gene under inducible promoters. <i>Plant Cell, Tissue and Organ Culture</i> , 2008, 95, 1-11.                                | 1.2 | 37        |
| 29 | The CaMV transactivator/viroplasm interferes with RDR6-dependent trans-acting and secondary siRNA pathways in Arabidopsis. <i>Nucleic Acids Research</i> , 2008, 36, 5896-5909.  | 6.5 | 74        |
| 30 | Cross-Species Functionality of Pararetroviral Elements Driving Ribosome Shunting. <i>PLoS ONE</i> , 2008, 3, e1650.  | 1.1 | 15        |
| 31 | Production and Transport of the Silencing Signal in Transgenic and Virus-Infected Plant Systems. , 2007, , 127-157.  |     | 4         |
| 32 | The Mungbean Yellow Mosaic Begomovirus Transcriptional Activator Protein Transactivates the Viral Promoter-Driven Transgene and Causes Toxicity in Transgenic Tobacco Plants. <i>Molecular Plant-Microbe Interactions</i> , 2007, 20, 1545-1554.   | 1.4 | 23        |
| 33 | Transgenic cassava resistance to African cassava mosaic virus is enhanced by viral DNA-A bidirectional promoter-derived siRNAs. <i>Plant Molecular Biology</i> , 2007, 64, 549-557.  | 2.0 | 89        |
| 34 | Four plant Dicers mediate viral small RNA biogenesis and DNA virus induced silencing. <i>Nucleic Acids Research</i> , 2006, 34, 6233-6246.   | 6.5 | 434       |
| 35 | Translation reinitiation and leaky scanning in plant viruses. <i>Virus Research</i> , 2006, 119, 52-62.  | 1.1 | 70        |
| 36 | Molecular characterization of geminivirus-derived small RNAs in different plant species. <i>Nucleic Acids Research</i> , 2006, 34, 462-471.  | 6.5 | 249       |

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|----|---|-----|-----------|
| 37 | Mechanism of ribosome shunting in Rice tungro bacilliform pararetrovirus. <i>Rna</i> , 2006, 12, 841-850.   | 1.6 | 31        |
| 38 | Promoters, Transcripts, and Regulatory Proteins of Mungbean Yellow Mosaic Geminivirus. <i>Journal of Virology</i> , 2005, 79, 8149-8163.  | 1.5 | 118       |
| 39 | Suppression of RNA Silencing by a Geminivirus Nuclear Protein, AC2, Correlates with Transactivation of Host Genes. <i>Journal of Virology</i> , 2005, 79, 2517-2527.  | 1.5 | 247       |
| 40 | Continuous and Discontinuous Ribosome Scanning on the Cauliflower Mosaic Virus 35 S RNA Leader Is Controlled by Short Open Reading Frames. <i>Journal of Biological Chemistry</i> , 2000, 275, 37278-37284. | 1.6 | 17        |
| 41 | Role of a Short Open Reading Frame in Ribosome Shunt on the Cauliflower Mosaic Virus RNA Leader. <i>Journal of Biological Chemistry</i> , 2000, 275, 17288-17296.   | 1.6 | 49        |
| 42 | A short open reading frame terminating in front of a stable hairpin is the conserved feature in pregenomic RNA leaders of plant pararetroviruses. <i>Journal of General Virology</i> , 1999, 80, 2217-2228. | 1.3 | 66        |
| 43 | Ribosome Shunting in Cauliflower Mosaic Virus. <i>Journal of Biological Chemistry</i> , 1998, 273, 3669-3678.   | 1.6 | 48        |
| 44 | The 5' untranslated leader sequence of potato virus X RNA enhances the expression of a heterologous gene in vivo. <i>Molecular Genetics and Genomics</i> , 1992, 234, 329-331.                              | 2.4 | 29        |