# Joachim R De Miranda

## List of Publications by Citations



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| 84 papers | 3,664 citations | 34 h-index | 59 g-index |
| 90 ext. papers | 4,458 ext. citations | 4.7 avg, IF | 5.45 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 84 | Deformed wing virus. *Journal of Invertebrate Pathology*, **2010**, 103 Suppl 1, S48-61 | 2.6 | 356 |
| 83 | Molecular and biological characterization of deformed wing virus of honeybees (Apis mellifera L.). *Journal of Virology*, **2006**, 80, 4998-5009 | 6.6 | 222 |
| 82 | Bees under stress: sublethal doses of a neonicotinoid pesticide and pathogens interact to elevate honey bee mortality across the life cycle. *Environmental Microbiology*, **2015**, 17, 969-83 | 5.2 | 221 |
| 81 | The Acute bee paralysis virus-Kashmir bee virus-Israeli acute paralysis virus complex. *Journal of Invertebrate Pathology*, **2010**, 103 Suppl 1, S30-47 | 2.6 | 216 |
| 80 | Standard methods for virus research in Apis mellifera. *Journal of Apicultural Research*, **2013**, 52, 1-56 | 2 | 176 |
| 79 | Detection of Deformed wing virus, a honey bee viral pathogen, in bumble bees (Bombus terrestris and Bombus pascuorum) with wing deformities. *Journal of Invertebrate Pathology*, **2006**, 91, 61-3 | 2.6 | 154 |
| 78 | On the front line: quantitative virus dynamics in honeybee (Apis mellifera L.) colonies along a new expansion front of the parasite Varroa destructor. *PLoS Pathogens*, **2014**, 10, e1004323 | 7.6 | 147 |
| 77 | The Bee Microbiome: Impact on Bee Health and Model for Evolution and Ecology of Host-Microbe Interactions. *MBio*, **2016**, 7, e02164-15 | 7.8 | 145 |
| 76 | Standard methods for molecular research in Apis mellifera. *Journal of Apicultural Research*, **2013**, 52, 1-54 | 2 | 113 |
| 75 | Acaricide treatment affects viral dynamics in Varroa destructor-infested honey bee colonies via both host physiology and mite control. *Applied and Environmental Microbiology*, **2012**, 78, 227-35 | 4.8 | 112 |
| 74 | Varroa destructor: research avenues towards sustainable control. *Journal of Apicultural Research*, **2012**, 51, 125-132 | 2 | 103 |
| 73 | Varroa destructor: A Complex Parasite, Crippling Honey Bees Worldwide. *Trends in Parasitology*, **2020**, 36, 592-606 | 6.4 | 75 |
| 72 | Deformed wing virus associated with Tropilaelaps mercedesae infesting European honey bees (Apis mellifera). *Experimental and Applied Acarology*, **2009**, 47, 87-97 | 2.1 | 74 |
| 71 | Research strategies to improve honeybee health in Europe. *Apidologie*, **2010**, 41, 227-242 | 2.3 | 70 |
| 70 | Localization of deformed wing virus infection in queen and drone Apis mellifera L. *Virology Journal*, **2006**, 3, 16 | 6.1 | 68 |
| 69 | Genetic characterization of slow bee paralysis virus of the honeybee (Apis mellifera L.). *Journal of General Virology*, **2010**, 91, 2524-30 | 4.9 | 64 |
| 68 | Diversity and Global Distribution of Viruses of the Western Honey Bee,. *Insects*, **2020**, 11, | 2.8 | 63 |

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| 67 | Increased tolerance and resistance to virus infections: a possible factor in the survival of Varroa destructor-resistant honey bees (Apis mellifera). *PLoS ONE*, **2014**, 9, e99998 | 3.7 | 63 |
| 66 | Statistical guidelines for Apis mellifera research. *Journal of Apicultural Research*, **2013**, 52, 1-24 | 2 | 57 |
| 65 | Incidence and molecular characterization of viruses found in dying New Zealand honey bee (Apis mellifera) colonies infested with Varroa destructor. *Apidologie*, **2007**, 38, 354-367 | 2.3 | 53 |
| 64 | Specific Cues Associated With Honey Bee Social Defence against Varroa destructor Infested Brood. *Scientific Reports*, **2016**, 6, 25444 | 4.9 | 50 |
| 63 | The Apis mellifera Filamentous Virus Genome. *Viruses*, **2015**, 7, 3798-815 | 6.2 | 50 |
| 62 | Effect of oral infection with Kashmir bee virus and Israeli acute paralysis virus on bumblebee (Bombus terrestris) reproductive success. *Journal of Invertebrate Pathology*, **2014**, 121, 64-9 | 2.6 | 49 |
| 61 | Viruses associated with ovarian degeneration in Apis mellifera L. queens. *PLoS ONE*, **2011**, 6, e16217 | 3.7 | 48 |
| 60 | Environment determines fidelity for an RNA virus replicase. *Journal of Virology*, **2007**, 81, 9072-7 | 6.6 | 48 |
| 59 | BeeDoctor, a versatile MLPA-based diagnostic tool for screening bee viruses. *PLoS ONE*, **2012**, 7, e47953 | 3.7 | 47 |
| 58 | Genome Characterization, Prevalence and Distribution of a Macula-Like Virus from Apis mellifera and Varroa destructor. *Viruses*, **2015**, 7, 3586-602 | 6.2 | 46 |
| 57 | Rapid parallel evolution overcomes global honey bee parasite. *Scientific Reports*, **2018**, 8, 7704 | 4.9 | 43 |
| 56 | Sex-specific differences in pathogen susceptibility in honey bees (Apis mellifera). *PLoS ONE*, **2014**, 9, e85261 | 3.7 | 41 |
| 55 | Deformed wing virus and drone mating flights in the honey bee (Apis mellifera): implications for sexual transmission of a major honey bee virus. *Apidologie*, **2012**, 43, 17-30 | 2.3 | 40 |
| 54 | Bee Viruses: Routes of Infection in Hymenoptera. *Frontiers in Microbiology*, **2020**, 11, 943 | 5.7 | 39 |
| 53 | Clothianidin seed-treatment has no detectable negative impact on honeybee colonies and their pathogens. *Nature Communications*, **2019**, 10, 692 | 17.4 | 36 |
| 52 | Analysis of reference gene stability after Israeli acute paralysis virus infection in bumblebees Bombus terrestris. *Journal of Invertebrate Pathology*, **2014**, 115, 76-9 | 2.6 | 34 |
| 51 | Varroa invasion and virus adaptation. *Trends in Parasitology*, **2012**, 28, 353-4 | 6.4 | 34 |
| 50 | Development and validation of a real-time two-step RT-qPCR TaqMan( ) assay for quantitation of Sacbrood virus (SBV) and its application to a field survey of symptomatic honey bee colonies. *Journal of Virological Methods*, **2014**, 197, 7-13 | 2.6 | 32 |

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| 49 | Field-level clothianidin exposure affects bumblebees but generally not their pathogens. *Nature Communications*, **2018**, 9, 5446 | 17.4 | 26 |
| 48 | Disentangling host-parasite-pathogen interactions in a varroa-resistant honeybee population reveals virus tolerance as an independent, naturally adapted survival mechanism. *Scientific Reports*, **2019**, 9, 6221 | 4.9 | 24 |
| 47 | Characterisation of the British honey bee metagenome. *Nature Communications*, **2018**, 9, 4995 | 17.4 | 22 |
| 46 | Virion Structure of Iflavirus Slow Bee Paralysis Virus at 2.6-Angstrom Resolution. *Journal of Virology* , **2016**, 90, 7444-7455 | 6.6 | 20 |
| 45 | Virion Structure of Black Queen Cell Virus, a Common Honeybee Pathogen. *Journal of Virology*, **2017**, 91, | 6.6 | 19 |
| 44 | Honeybee-Specific Lactic Acid Bacterium Supplements Have No Effect on American Foulbrood-Infected Honeybee Colonies. *Applied and Environmental Microbiology*, **2019**, 85, | 4.8 | 18 |
| 43 | Persistence of subclinical deformed wing virus infections in honeybees following Varroa mite removal and a bee population turnover. *PLoS ONE*, **2017**, 12, e0180910 | 3.7 | 18 |
| 42 | Distribution and variability of deformed wing virus of honeybees (Apis mellifera) in the Middle East and North Africa. *Insect Science*, **2017**, 24, 103-113 | 3.6 | 17 |
| 41 | Sample preservation, transport and processing strategies for honeybee RNA extraction: Influence on RNA yield, quality, target quantification and data normalization. *Journal of Virological Methods*, **2017**, 246, 81-89 | 2.6 | 17 |
| 40 | Sequence of rice hoja blanca tenuivirus RNA-2. *Virus Genes*, **1996**, 12, 231-7 | 2.3 | 17 |
| 39 | Temporal changes in the viromes of Swedish Varroa-resistant and Varroa-susceptible honeybee populations. *PLoS ONE*, **2018**, 13, e0206938 | 3.7 | 17 |
| 38 | The secretome of honey bee-specific lactic acid bacteria inhibits Paenibacillus larvae growth. *Journal of Apicultural Research*, **2019**, 58, 405-412 | 2 | 16 |
| 37 | Sequence of echinochloa hoja blanca tenuivirus RNA-5. *Virus Genes*, **1996**, 12, 131-4 | 2.3 | 16 |
| 36 | Genetic characterization of a novel Iflavirus associated with vomiting disease in the Chinese oak silkmoth Antheraea pernyi. *PLoS ONE*, **2014**, 9, e92107 | 3.7 | 16 |
| 35 | Virion Structure of Israeli Acute Bee Paralysis Virus. *Journal of Virology*, **2016**, 90, 8150-9 | 6.6 | 14 |
| 34 | Phylogenetic placement of a novel tenuivirus from the grass Urochloa plantaginea. *Virus Genes*, **2001**, 22, 329-33 | 2.3 | 13 |
| 33 | Cryo-EM study of slow bee paralysis virus at low pH reveals iflavirus genome release mechanism. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 598-603 | 11.5 | 12 |
| 32 | Sequence of Echinochloa hoja blanca tenuivirus RNA-3. *Virus Genes*, **1996**, 13, 65-8 | 2.3 | 11 |

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| 31 | The honeybee (Apis mellifera) developmental state shapes the genetic composition of the deformed wing virus-A quasispecies during serial transmission. *Scientific Reports*, **2020**, 10, 5956 | 4.9 | 10 |
| 30 | Feeding Honeybee Colonies with Honeybee-Specific Lactic Acid Bacteria (Hbs-LAB) Does Not Affect Colony-Level Hbs-LAB Composition or Paenibacillus larvae Spore Levels, Although American Foulbrood Affected Colonies Harbor a More Diverse Hbs-LAB Community. *Microbial Ecology*, **2020**, 79, 743-755 | 4.4 | 10 |
| 29 | Studies on the transmission and tissue distribution of Antheraea pernyi iflavirus in the Chinese oak silkmoth Antheraea pernyi. *Virology*, **2017**, 502, 171-175 | 3.6 | 9 |
| 28 | Adult honey bees (Apis mellifera) with deformed wings discovered in confirmed varroa-free colonies. *Journal of Apicultural Research*, **2012**, 51, 136-138 | 2 | 9 |
| 27 | Comparison of Colombian and Costa Rican strains of rice hoja blanca tenuivirus. *Virus Genes*, **1997**, 15, 191-3 | 2.3 | 9 |
| 26 | Sequence of Echinochloa hoja blanca tenuivirus RNA-4. *Virus Genes*, **1996**, 13, 61-4 | 2.3 | 9 |
| 25 | Virus Prospecting in Crickets-Discovery and Strain Divergence of a Novel Iflavirus in Wild and Cultivated. *Viruses*, **2021**, 13, | 6.2 | 9 |
| 24 | Diagnostic protocols for the detection of Acheta domesticus densovirus (AdDV) in cricket frass. *Journal of Virological Methods*, **2019**, 264, 61-64 | 2.6 | 8 |
| 23 | Honey bees and climate explain viral prevalence in wild bee communities on a continental scale.. *Scientific Reports*, **2022**, 12, 1904 | 4.9 | 7 |
| 22 | ICTV Virus Taxonomy Profile: Solinviviridae. *Journal of General Virology*, **2019**, 100, 736-737 | 4.9 | 7 |
| 21 | Substantial Heritable Variation in Recombination Rate on Multiple Scales in Honeybees and Bumblebees. *Genetics*, **2019**, 212, 1101-1119 | 4 | 6 |
| 20 | Characterization of a Novel RNA Virus Discovered in the Autumnal Moth Epirrita autumnata in Sweden. *Viruses*, **2017**, 9, 214 | 6.2 | 6 |
| 19 | Sequence of the PV2 gene of rice hoja blanca tenuivirus RNA-2. *Virus Genes*, **1995**, 10, 205-9 | 2.3 | 6 |
| 18 | Varroa destructor: A Complex Parasite, Crippling Honeybees Worldwide | | 6 |
| 17 | ICTV Virus Taxonomy Profile: Polycipiviridae. *Journal of General Virology*, **2019**, 100, 554-555 | 4.9 | 6 |
| 16 | American foulbrood in a honeybee colony: spore-symptom relationship and feedbacks. *BMC Ecology*, **2020**, 20, 15 | 2.7 | 5 |
| 15 | Acaricide Treatment Affects Viral Dynamics in Varroa destructor-Infested Honey Bee Colonies via both Host Physiology and Mite Control. *Applied and Environmental Microbiology*, **2012**, 78, 2073-2073 | 4.8 | 4 |
| 14 | Genetic analysis of larval competition in Drosophila melanogaster. *Heredity*, **1988**, 61 ( Pt 3), 339-46 | 3.6 | 4 |

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| 13 | Using Citizen Science to Scout Honey Bee Colonies That Naturally Survive Infestations. *Insects*, **2021**, 12, | 2.8 | 4 |
| 12 | Adapted tolerance to virus infections in four geographically distinct Varroa destructor-resistant honeybee populations. *Scientific Reports*, **2021**, 11, 12359 | 4.9 | 4 |
| 11 | Characterisation of the UK honey bee (Apis mellifera) metagenome | | 3 |
| 10 | Holistic environmental risk assessment for bees. *Science*, **2021**, 371, 897 | 33.3 | 3 |
| 9 | Viruses In Bees. *Bee World*, **2012**, 89, 2-5 | 1 | 2 |
| 8 | Cold case: The disappearance of Egypt bee virus, a fourth distinct master strain of deformed wing virus linked to honeybee mortality in 1970\x Egypt.. *Virology Journal*, **2022**, 19, 12 | 6.1 | 2 |
| 7 | Varroa destructor: A Complex Parasite, Crippling Honey bees Worldwide | | 2 |
| 6 | Virus Diversity and Loads in Crickets Reared for Feed: Implications for Husbandry. *Frontiers in Veterinary Science*, **2021**, 8, 642085 | 3.1 | 2 |
| 5 | Viral infections alter antennal epithelium ultrastructure in honey bees. *Journal of Invertebrate Pathology*, **2019**, 168, 107252 | 2.6 | 1 |
| 4 | Managed bumble bees acquire parasites from their foraging environment: A case study on parasite spillback. *Journal of Invertebrate Pathology*, **2021**, 182, 107583 | 2.6 | 1 |
| 3 | Global similarity, and some key differences, in the metagenomes of Swedish varroa-surviving and varroa-susceptible honeybees. *Scientific Reports*, **2021**, 11, 23214 | 4.9 | 0 |
| 2 | Development and optimization of a TaqMan assay for Nosema bombycis, causative agent of p□rine disease in Bombyx mori silkworm, based on the □tubulin gene. *Journal of Microbiological Methods*, **2021**, 186, 106238 | 2.8 | 0 |
| 1 | Genetic characterisation of an Iflavirus associated with a vomiting disease in the Indian Tropical tasar silkworm, Antheraea mylitta.. *Virus Research*, **2022**, 198703 | 6.4 | |