# Massimo Palmarini

## List of Publications by Year in Descending Order



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| 109 papers | 5,495 citations | 42 h-index | 71 g-index |
| 113 ext. papers | 6,998 ext. citations | 8.9 avg, IF | 5.06 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 109 | Children develop robust and sustained cross-reactive spike-specific immune responses to SARS-CoV-2 infection.. *Nature Immunology*, **2022**, 23, 40-49 | 19.1 | 22 |
| 108 | Implementation of corticosteroids in treatment of COVID-19 in the ISARIC WHO Clinical Characterisation Protocol UK: prospective, cohort study.. *The Lancet Digital Health*, **2022**, 4, e220-e234 | 14.4 | 1 |
| 107 | TMPRSS2 promotes SARS-CoV-2 evasion from NCOA7-mediated restriction. *PLoS Pathogens*, **2021**, 17, e1009820 | 7.6 | 2 |
| 106 | Reduced neutralisation of the Delta (B.1.617.2) SARS-CoV-2 variant of concern following vaccination. *PLoS Pathogens*, **2021**, 17, e1010022 | 7.6 | 35 |
| 105 | Risk of adverse outcomes in patients with underlying respiratory conditions admitted to hospital with COVID-19: a national, multicentre prospective cohort study using the ISARIC WHO Clinical Characterisation Protocol UK. *Lancet Respiratory Medicine,the*, **2021**, 9, 699-711 | 35.1 | 54 |
| 104 | Development and validation of the ISARIC 4C Deterioration model for adults hospitalised with COVID-19: a prospective cohort study. *Lancet Respiratory Medicine,the*, **2021**, 9, 349-359 | 35.1 | 70 |
| 103 | An Early Block in the Replication of the Atypical Bluetongue Virus Serotype 26 in Cells Is Determined by Its Capsid Proteins. *Viruses*, **2021**, 13, | 6.2 | 2 |
| 102 | Changes in in-hospital mortality in the first wave of COVID-19: a multicentre prospective observational cohort study using the WHO Clinical Characterisation Protocol UK. *Lancet Respiratory Medicine,the*, **2021**, 9, 773-785 | 35.1 | 35 |
| 101 | Characterisation of in-hospital complications associated with COVID-19 using the ISARIC WHO Clinical Characterisation Protocol UK: a prospective, multicentre cohort study. *Lancet, The*, **2021**, 398, 223-237 | 40 | 39 |
| 100 | Genomic epidemiology reveals multiple introductions of SARS-CoV-2 from mainland Europe into Scotland. *Nature Microbiology*, **2021**, 6, 112-122 | 26.6 | 39 |
| 99 | Jaagsiekte Sheep Retrovirus (Retroviridae) **2021**, 575-582 | | |
| 98 | A plasmid DNA-launched SARS-CoV-2 reverse genetics system and coronavirus toolkit for COVID-19 research. *PLoS Biology*, **2021**, 19, e3001091 | 9.7 | 60 |
| 97 | Non-steroidal anti-inflammatory drug use and outcomes of COVID-19 in the ISARIC Clinical Characterisation Protocol UK cohort: a matched, prospective cohort study. *Lancet Rheumatology, The*, **2021**, 3, e498-e506 | 14.2 | 30 |
| 96 | Co-infections, secondary infections, and antimicrobial use in patients hospitalised with COVID-19 during the first pandemic wave from the ISARIC WHO CCP-UK study: a multicentre, prospective cohort study. *Lancet Microbe, The*, **2021**, 2, e354-e365 | 22.2 | 61 |
| 95 | In vitro selection of Remdesivir resistance suggests evolutionary predictability of SARS-CoV-2. *PLoS Pathogens*, **2021**, 17, e1009929 | 7.6 | 29 |
| 94 | The antiviral state has shaped the CpG composition of the vertebrate interferome to avoid self-targeting. *PLoS Biology*, **2021**, 19, e3001352 | 9.7 | 3 |
| 93 | A prenylated dsRNA sensor protects against severe COVID-19. *Science*, **2021**, 374, eabj3624 | 33.3 | 26 |

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| 92 | "Frozen evolution" of an RNA virus suggests accidental release as a potential cause of arbovirus re-emergence. *PLoS Biology*, **2020**, 18, e3000673 | 9.7 | 7 |
| 91 | Comparative host-coronavirus protein interaction networks reveal pan-viral disease mechanisms. *Science*, **2020**, 370, | 33.3 | 261 |
| 90 | DisCVR: Rapid viral diagnosis from high-throughput sequencing data. *Virus Evolution*, **2019**, 5, vez033 | 3.7 | 2 |
| 89 | TRIM69 Inhibits Vesicular Stomatitis Indiana Virus. *Journal of Virology*, **2019**, 93, | 6.6 | 14 |
| 88 | Infectious virus in exhaled breath of symptomatic seasonal influenza cases from a college community. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 1081-1086 | 11.5 | 312 |
| 87 | Testicular Degeneration and Infertility following Arbovirus Infection. *Journal of Virology*, **2018**, 92, | 6.6 | 17 |
| 86 | A new era of virus bioinformatics. *Virus Research*, **2018**, 251, 86-90 | 6.4 | 21 |
| 85 | Virologists-Heroes need weapons. *PLoS Pathogens*, **2018**, 14, e1006771 | 7.6 | 7 |
| 84 | Genome Sequences of Five African Swine Fever Virus Genotype IX Isolates from Domestic Pigs in Uganda. *Microbiology Resource Announcements*, **2018**, 7, | 1.3 | 15 |
| 83 | Immunophenotyping of Sheep Paraffin-Embedded Peripheral Lymph Nodes. *Frontiers in Immunology*, **2018**, 9, 2892 | 8.4 | 7 |
| 82 | Sensitivity to BST-2 restriction correlates with Orthobunyavirus host range. *Virology*, **2017**, 509, 121-130 | 3.6 | 5 |
| 81 | Heparan Sulfate Proteoglycan Is an Important Attachment Factor for Cell Entry of Akabane and Schmallenberg Viruses. *Journal of Virology*, **2017**, 91, | 6.6 | 18 |
| 80 | Bluetongue virus spread in Europe is a consequence of climatic, landscape and vertebrate host factors as revealed by phylogeographic inference. *Proceedings of the Royal Society B: Biological Sciences*, **2017**, 284, | 4.4 | 34 |
| 79 | Nonstructural Protein NSs of Schmallenberg Virus Is Targeted to the Nucleolus and Induces Nucleolar Disorganization. *Journal of Virology*, **2017**, 91, | 6.6 | 18 |
| 78 | Fundamental properties of the mammalian innate immune system revealed by multispecies comparison of type I interferon responses. *PLoS Biology*, **2017**, 15, e2004086 | 9.7 | 132 |
| 77 | Mutations in the Schmallenberg Virus Gc Glycoprotein Facilitate Cellular Protein Synthesis Shutoff and Restore Pathogenicity of NSs Deletion Mutants in Mice. *Journal of Virology*, **2016**, 90, 5440-5450 | 6.6 | 9 |
| 76 | Bluetongue virus serotype 27: detection and characterization of two novel variants in Corsica, France. *Journal of General Virology*, **2016**, 97, 2073-2083 | 4.9 | 65 |
| 75 | Bluetongue Virus NS4 Protein Is an Interferon Antagonist and a Determinant of Virus Virulence. *Journal of Virology*, **2016**, 90, 5427-39 | 6.6 | 35 |

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| 74 | Late Ebola virus relapse causing meningoencephalitis: a case report. *Lancet, The*, **2016**, 388, 498-503 | 40 | 236 |
| 73 | Follicular dendritic cell disruption as a novel mechanism of virus-induced immunosuppression. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, E6238-E6247 | 11.5 | 29 |
| 72 | Multiple genome segments determine virulence of bluetongue virus serotype 8. *Journal of Virology* , **2015**, 89, 5238-49 | 6.6 | 34 |
| 71 | Turnover Rate of NS3 Proteins Modulates Bluetongue Virus Replication Kinetics in a Host-Specific Manner. *Journal of Virology*, **2015**, 89, 10467-81 | 6.6 | 14 |
| 70 | The sheep tetherin paralog oBST2B blocks envelope glycoprotein incorporation into nascent retroviral virions. *Journal of Virology*, **2015**, 89, 535-44 | 6.6 | 6 |
| 69 | Transcriptome analysis reveals the host response to Schmallenberg virus in bovine cells and antagonistic effects of the NSs protein. *BMC Genomics*, **2015**, 16, 324 | 4.5 | 12 |
| 68 | Widespread Reassortment Shapes the Evolution and Epidemiology of Bluetongue Virus following European Invasion. *PLoS Pathogens*, **2015**, 11, e1005056 | 7.6 | 83 |
| 67 | Characterization of a second open reading frame in genome segment 10 of bluetongue virus. *Journal of General Virology*, **2015**, 96, 3280-3293 | 4.9 | 65 |
| 66 | A synthetic biology approach for a vaccine platform against known and newly emerging serotypes of bluetongue virus. *Journal of Virology*, **2014**, 88, 12222-32 | 6.6 | 33 |
| 65 | "M□age □Trois": the evolutionary interplay between JSRV, enJSRVs and domestic sheep. *Viruses*, **2014**, 6, 4926-45 | 6.2 | 24 |
| 64 | Virus and host factors affecting the clinical outcome of bluetongue virus infection. *Journal of Virology*, **2014**, 88, 10399-411 | 6.6 | 60 |
| 63 | NSs protein of Schmallenberg virus counteracts the antiviral response of the cell by inhibiting its transcriptional machinery. *Journal of General Virology*, **2014**, 95, 1640-1646 | 4.9 | 22 |
| 62 | Transplacental transmission of field and rescued strains of BTV-2 and BTV-8 in experimentally infected sheep. *Veterinary Research*, **2013**, 44, 75 | 3.8 | 23 |
| 61 | RNA interference targets arbovirus replication in Culicoides cells. *Journal of Virology*, **2013**, 87, 2441-54 | 6.6 | 67 |
| 60 | Reassortment between two serologically unrelated bluetongue virus strains is flexible and can involve any genome segment. *Journal of Virology*, **2013**, 87, 543-57 | 6.6 | 81 |
| 59 | Schmallenberg virus pathogenesis, tropism and interaction with the innate immune system of the host. *PLoS Pathogens*, **2013**, 9, e1003133 | 7.6 | 78 |
| 58 | Host species barriers to Jaagsiekte sheep retrovirus replication and carcinogenesis. *Journal of Virology*, **2013**, 87, 10752-62 | 6.6 | 11 |
| 57 | Immunophenotyping of inflammatory cells associated with Schmallenberg virus infection of the central nervous system of ruminants. *PLoS ONE*, **2013**, 8, e62939 | 3.7 | 22 |

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| 56 | Application of next generation sequencing in mammalian embryogenomics: lessons learned from endogenous betaretroviruses of sheep. *Animal Reproduction Science*, **2012**, 134, 95-103 | 2.1 | 9 |
| 55 | The Evolutionary Interplay Between Exogenous and Endogenous Sheep Betaretroviruses **2012**, 293-307 | | |
| 54 | Drosophila melanogaster as a model organism for bluetongue virus replication and tropism. *Journal of Virology*, **2012**, 86, 9015-24 | 6.6 | 32 |
| 53 | Endogenous retroviruses of sheep: a model system for understanding physiological adaptation to an evolving ruminant genome. *Journal of Reproduction and Development*, **2012**, 58, 33-7 | 2.1 | 13 |
| 52 | Lung adenocarcinoma originates from retrovirus infection of proliferating type 2 pneumocytes during pulmonary post-natal development or tissue repair. *PLoS Pathogens*, **2011**, 7, e1002014 | 7.6 | 33 |
| 51 | The signal peptide of a recently integrated endogenous sheep betaretrovirus envelope plays a major role in eluding gag-mediated late restriction. *Journal of Virology*, **2011**, 85, 7118-28 | 6.6 | 18 |
| 50 | Determinants of bluetongue virus virulence in murine models of disease. *Journal of Virology*, **2011**, 85, 11479-89 | 6.6 | 42 |
| 49 | Identification and characterization of a novel non-structural protein of bluetongue virus. *PLoS Pathogens*, **2011**, 7, e1002477 | 7.6 | 188 |
| 48 | Endogenous retroviruses in trophoblast differentiation and placental development. *American Journal of Reproductive Immunology*, **2010**, 64, 255-64 | 3.8 | 45 |
| 47 | Interplay between ovine bone marrow stromal cell antigen 2/tetherin and endogenous retroviruses. *Journal of Virology*, **2010**, 84, 4415-25 | 6.6 | 72 |
| 46 | Viral particles of endogenous betaretroviruses are released in the sheep uterus and infect the conceptus trophectoderm in a transspecies embryo transfer model. *Journal of Virology*, **2010**, 84, 9078-85 | 6.6 | 23 |
| 45 | Isolation of an infectious endogenous retrovirus in a proportion of live attenuated vaccines for pets. *Journal of Virology*, **2010**, 84, 3690-4 | 6.6 | 26 |
| 44 | Multitasking: Making the Most out of the Retroviral Envelope. *Viruses*, **2010**, 2, 1571-6 | 6.2 | 1 |
| 43 | A single amino acid substitution in a segment of the CA protein within Gag that has similarity to human immunodeficiency virus type 1 blocks infectivity of a human endogenous retrovirus K provirus in the human genome. *Journal of Virology*, **2009**, 83, 1105-14 | 6.6 | 17 |
| 42 | The signal peptide of a simple retrovirus envelope functions as a posttranscriptional regulator of viral gene expression. *Journal of Virology*, **2009**, 83, 4591-604 | 6.6 | 32 |
| 41 | Friendly viruses: the special relationship between endogenous retroviruses and their host. *Annals of the New York Academy of Sciences*, **2009**, 1178, 157-72 | 6.5 | 49 |
| 40 | Revealing the history of sheep domestication using retrovirus integrations. *Science*, **2009**, 324, 532-6 | 33.3 | 292 |
| 39 | Structure of the capsid amino-terminal domain from the betaretrovirus, Jaagsiekte sheep retrovirus. *Journal of Molecular Biology*, **2009**, 386, 1179-92 | 6.5 | 20 |

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| 38 | In vivo tumorigenesis by Jaagsiekte sheep retrovirus (JSRV) requires Y590 in Env TM, but not full-length orfX open reading frame. *Virology*, **2007**, 367, 413-21 | 3.6 | 28 |
| 37 | Mechanisms of late restriction induced by an endogenous retrovirus. *Journal of Virology*, **2007**, 81, 11441-51 | 6.6 | 50 |
| 36 | A paradigm for virus-host coevolution: sequential counter-adaptations between endogenous and exogenous retroviruses. *PLoS Pathogens*, **2007**, 3, e170 | 7.6 | 121 |
| 35 | The transdominant endogenous retrovirus enJS56A1 associates with and blocks intracellular trafficking of Jaagsiekte sheep retrovirus Gag. *Journal of Virology*, **2007**, 81, 1762-72 | 6.6 | 57 |
| 34 | Jaagsiekte sheep retrovirus is not detected in human lung adenocarcinomas expressing antigens related to the Gag polyprotein of betaretroviruses. *Cancer Letters*, **2007**, 258, 22-30 | 9.9 | 11 |
| 33 | Pregnancy recognition and conceptus implantation in domestic ruminants: roles of progesterone, interferons and endogenous retroviruses. *Reproduction, Fertility and Development*, **2007**, 19, 65-78 | 1.8 | 211 |
| 32 | A veterinary twist on pathogen biology. *PLoS Pathogens*, **2007**, 3, e12 | 7.6 | 9 |
| 31 | Association of RON tyrosine kinase with the Jaagsiekte sheep retrovirus envelope glycoprotein. *Virology*, **2006**, 350, 347-57 | 3.6 | 27 |
| 30 | Expression of the jaagsiekte sheep retrovirus envelope glycoprotein is sufficient to induce lung tumors in sheep. *Journal of Virology*, **2006**, 80, 8030-7 | 6.6 | 70 |
| 29 | Endogenous retroviruses regulate periimplantation placental growth and differentiation. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 14390-5 | 11.5 | 203 |
| 28 | Infection of lung epithelial cells and induction of pulmonary adenocarcinoma is not the most common outcome of naturally occurring JSRV infection during the commercial lifespan of sheep. *Virology*, **2005**, 338, 144-53 | 3.6 | 49 |
| 27 | A Moloney murine leukemia virus driven by the Jaagsiekte sheep retrovirus enhancers shows enhanced specificity for infectivity in lung epithelial cells. *Virus Genes*, **2005**, 31, 257-63 | 2.3 | 12 |
| 26 | Sheep endogenous betaretroviruses (enJSRVs) and the hyaluronidase 2 (HYAL2) receptor in the ovine uterus and conceptus. *Biology of Reproduction*, **2005**, 73, 271-9 | 3.9 | 44 |
| 25 | Endogenous betaretroviruses of sheep: teaching new lessons in retroviral interference and adaptation. *Journal of General Virology*, **2004**, 85, 1-13 | 4.9 | 82 |
| 24 | Analysis of integration sites of Jaagsiekte sheep retrovirus in ovine pulmonary adenocarcinoma. *Journal of Virology*, **2004**, 78, 8506-12 | 6.6 | 29 |
| 23 | Late viral interference induced by transdominant Gag of an endogenous retrovirus. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 11117-22 | 11.5 | 83 |
| 22 | Relevance of Akt phosphorylation in cell transformation induced by Jaagsiekte sheep retrovirus. *Virology*, **2003**, 312, 95-105 | 3.6 | 51 |
| 21 | Transformation of rodent fibroblasts by the jaagsiekte sheep retrovirus envelope is receptor independent and does not require the surface domain. *Journal of Virology*, **2003**, 77, 6341-50 | 6.6 | 31 |

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| 20 | Receptor usage and fetal expression of ovine endogenous betaretroviruses: implications for coevolution of endogenous and exogenous retroviruses. *Journal of Virology*, **2003**, 77, 749-53 | 6.6 | 103 |
| 19 | HNF-3beta is a critical factor for the expression of the Jaagsiekte sheep retrovirus long terminal repeat in type II pneumocytes but not in Clara cells. *Virology*, **2002**, 292, 87-97 | 3.6 | 29 |
| 18 | Spliced and prematurely polyadenylated Jaagsiekte sheep retrovirus-specific RNAs from infected or transfected cells. *Virology*, **2002**, 294, 180-8 | 3.6 | 21 |
| 17 | Envelope-induced cell transformation by ovine betaretroviruses. *Journal of Virology*, **2002**, 76, 5387-94 | 6.6 | 60 |
| 16 | A phosphatidylinositol 3-kinase docking site in the cytoplasmic tail of the Jaagsiekte sheep retrovirus transmembrane protein is essential for envelope-induced transformation of NIH 3T3 cells. *Journal of Virology*, **2001**, 75, 11002-9 | 6.6 | 101 |
| 15 | Expression of endogenous betaretroviruses in the ovine uterus: effects of neonatal age, estrous cycle, pregnancy, and progesterone. *Journal of Virology*, **2001**, 75, 11319-27 | 6.6 | 70 |
| 14 | The long terminal repeat of Jaagsiekte sheep retrovirus is preferentially active in differentiated epithelial cells of the lungs. *Journal of Virology*, **2000**, 74, 5776-87 | 6.6 | 72 |
| 13 | Molecular cloning and functional analysis of three type D endogenous retroviruses of sheep reveal a different cell tropism from that of the highly related exogenous jaagsiekte sheep retrovirus. *Journal of Virology*, **2000**, 74, 8065-76 | 6.6 | 101 |
| 12 | In vitro infection of ovine cell lines by Jaagsiekte sheep retrovirus. *Journal of Virology*, **1999**, 73, 10070-8 | 6.6 | 44 |
| 11 | Jaagsiekte retrovirus is widely distributed both in T and B lymphocytes and in mononuclear phagocytes of sheep with naturally and experimentally acquired pulmonary adenomatosis. *Journal of Virology*, **1999**, 73, 4004-8 | 6.6 | 56 |
| 10 | Jaagsiekte sheep retrovirus is necessary and sufficient to induce a contagious lung cancer in sheep. *Journal of Virology*, **1999**, 73, 6964-72 | 6.6 | 178 |
| 9 | Lack of a specific immune response against a recombinant capsid protein of Jaagsiekte sheep retrovirus in sheep and goats naturally affected by enzootic nasal tumour or sheep pulmonary adenomatosis. *Veterinary Immunology and Immunopathology*, **1998**, 61, 229-37 | 2 | 72 |
| 8 | Sheep pulmonary adenomatosis: a unique model of retrovirus-associated lung cancer. *Trends in Microbiology*, **1997**, 5, 478-83 | 12.4 | 54 |
| 7 | The hyper-transmissible SARS-CoV-2 Omicron variant exhibits significant antigenic change, vaccine escape and a switch in cell entry mechanism | | 28 |
| 6 | Evolutionary stasis of an RNA virus indicates arbovirus re-emergence triggered by accidental release | | 2 |
| 5 | TRIM69 inhibits Vesicular Stomatitis Indiana Virus (VSIV) | | 1 |
| 4 | A Prenylated dsRNA Sensor Protects Against Severe COVID-19 and is Absent in Horseshoe Bats | | 1 |
| 3 | Reduced neutralisation of the Delta (B.1.617.2) SARS-CoV-2 variant of concern following vaccination | | 24 |

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| 2 | In vitro evolution of Remdesivir resistance reveals genome plasticity of SARS-CoV-2 | 7 |
| 1 | TMPRSS2 promotes SARS-CoV-2 evasion from NCOA7-mediated restriction | 1 |