# Jason M Mackenzie

List of Publications by Year
in descending order



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|---|---|---|---|
| 80 papers | 6,614 citations | 76322 40 h-index | 64791 79 g-index |
| 85 all docs | 85 docs citations | 85 times ranked | 6104 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Replication of Norovirus in Cell Culture Reveals a Tropism for Dendritic Cells and Macrophages. PLoS Biology, 2004, 2, e432. | 5.6 | 740 |
| 2 | Immunolocalization of the Dengue Virus Nonstructural Glycoprotein NS1 Suggests a Role in Viral RNA Replication. Virology, 1996, 220, 232-240. | 2.4 | 393 |
| 3 | The Endoplasmic Reticulum Provides the Membrane Platform for Biogenesis of the Flavivirus Replication Complex. Journal of Virology, 2010, 84, 10438-10447. | 3.4 | 322 |
| 4 | Subcellular Localization and Some Biochemical Properties of the Flavivirus Kunjin Nonstructural Proteins NS2A and NS4A. Virology, 1998, 245, 203-215. | 2.4 | 282 |
| 5 | Assembly and Maturation of the Flavivirus Kunjin Virus Appear To Occur in the Rough Endoplasmic Reticulum and along the Secretory Pathway, Respectively. Journal of Virology, 2001, 75, 10787-10799. | 3.4 | 271 |
| 6 | Cholesterol Manipulation by West Nile Virus Perturbs the Cellular Immune Response. Cell Host and Microbe, 2007, 2, 229-239. | 11.0 | 255 |
| 7 | Wrapping Things up about Virus RNA Replication. Traffic, 2005, 6, 967-977. | 2.7 | 223 |
| 8 | Crystal Structure of the RNA Polymerase Domain of the West Nile Virus Non-structural Protein 5. Journal of Biological Chemistry, 2007, 282, 10678-10689. | 3.4 | 222 |
| 9 | Regulated Cleavages at the West Nile Virus NS4A-2K-NS4B Junctions Play a Major Role in Rearranging Cytoplasmic Membranes and Golgi Trafficking of the NS4A Protein. Journal of Virology, 2006, 80, 4623-4632. | 3.4 | 200 |
| 10 | Role of Nonstructural Protein NS2A in Flavivirus Assembly. Journal of Virology, 2008, 82, 4731-4741. | 3.4 | 195 |
| 11 | Markers for <i>trans</i> -Golgi Membranes and the Intermediate Compartment Localize to Induced Membranes with Distinct Replication Functions in Flavivirus-Infected Cells. Journal of Virology, 1999, 73, 9555-9567. | 3.4 | 179 |
| 12 | West Nile Virus Differentially Modulates the Unfolded Protein Response To Facilitate Replication and Immune Evasion. Journal of Virology, 2011, 85, 2723-2732. | 3.4 | 173 |
| 13 | West Nile Virus Core Protein. Structure, 2004, 12, 1157-1163. | 3.3 | 159 |
| 14 | The ORF7b Protein of Severe Acute Respiratory Syndrome Coronavirus (SARS-CoV) Is Expressed in Virus-Infected Cells and Incorporated into SARS-CoV Particles. Journal of Virology, 2007, 81, 718-731. | 3.4 | 156 |
| 15 | Proteins C and NS4B of the Flavivirus Kunjin Translocate Independently into the Nucleus. Virology, 1997, 234, 31-41. | 2.4 | 134 |
| 16 | Dengue virus nonstructural protein 1 is expressed in a glycosylâ€phosphatidylinositolâ€linked form that is capable of signal transduction. FASEB Journal, 2000, 14, 1603-1610. | 0.5 | 120 |
| 17 | Dengue virus nonstructural protein 1 is expressed in a glycosyl-phosphatidylinositol-linked form that is capable of signal transduction. FASEB Journal, 2000, 14, 1603-1610. | 0.5 | 114 |
| 18 | Nascent Flavivirus RNA Colocalizedin Situwith Double-Stranded RNA in Stable Replication Complexes. Virology, 1999, 258, 108-117. | 2.4 | 109 |

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|---|---|---|---|
| 19 | Mouse Norovirus Replication Is Associated with Virus-Induced Vesicle Clusters Originating from Membranes Derived from the Secretory Pathway. Journal of Virology, 2009, 83, 9709-9719. | 3.4 | 101 |
| 20 | Kunjin RNA replication and applications ofKunjin replicons. Advances in Virus Research, 2003, 59, 99-140. | 2.1 | 98 |
| 21 | Differential Requirements for COPI Coats in Formation of Replication Complexes among Three Genera of Picornaviridae. Journal of Virology, 2002, 76, 11113-11122. | 3.4 | 96 |
| 22 | A versatile reverse genetics platform for SARS-CoV-2 and other positive-strand RNA viruses. Nature Communications, 2021, 12, 3431. | 12.8 | 89 |
| 23 | A Nuclear Transport Inhibitor That Modulates the Unfolded Protein Response and Provides In Vivo Protection Against Lethal Dengue virus Infection. Journal of Infectious Diseases, 2014, 210, 1780-1791. | 4.0 | 84 |
| 24 | Modulation of Hepatitis C Virus Genome Replication by Glycosphingolipids and Four-Phosphate Adaptor Protein 2. Journal of Virology, 2014, 88, 12276-12295. | 3.4 | 77 |
| 25 | The Host Protein Reticulon 3.1A Is Utilized by Flaviviruses to Facilitate Membrane Remodelling. Cell Reports, 2017, 21, 1639-1654. | 6.4 | 75 |
| 26 | SARS-CoV-2 suppresses IFNÎ² production mediated by NSP1, 5, 6, 15, ORF6 and ORF7b but does not suppress the effects of added interferon. PLoS Pathogens, 2021, 17, e1009800. | 4.7 | 74 |
| 27 | Nlrp3 inflammasome activation and Gasdermin D-driven pyroptosis are immunopathogenic upon gastrointestinal norovirus infection. PLoS Pathogens, 2019, 15, e1007709. | 4.7 | 72 |
| 28 | Interferon-Induced, Antiviral Human MxA Protein Localizes to a Distinct Subcompartment of the Smooth Endoplasmic Reticulum. Journal of Interferon and Cytokine Research, 2006, 26, 650-660. | 1.2 | 69 |
| 29 | ATF6 Signaling Is Required for Efficient West Nile Virus Replication by Promoting Cell Survival and Inhibition of Innate Immune Responses. Journal of Virology, 2013, 87, 2206-2214. | 3.4 | 65 |
| 30 | Downregulation of MHC Class I Expression by Influenza A and B Viruses. Frontiers in Immunology, 2019, 10, 1158. | 4.8 | 65 |
| 31 | Subcellular localization of the MNV-1 ORF1 proteins and their potential roles in the formation of the MNV-1 replication complex. Virology, 2010, 406, 138-148. | 2.4 | 61 |
| 32 | Loss of Dimerisation of the Nonstructural Protein NS1 of Kunjin Virus Delays Viral Replication and Reduces Virulence in Mice, but Still Allows Secretion of NS1. Virology, 1999, 264, 66-75. | 2.4 | 60 |
| 33 | Recent advances in dengue pathogenesis and clinical management. Vaccine, 2015, 33, 7061-7068. | 3.8 | 58 |
| 34 | West Nile virus strain Kunjin NS5 polymerase is a phosphoprotein localized at the cytoplasmic site of viral RNA synthesis. Journal of General Virology, 2007, 88, 1163-1168. | 2.9 | 53 |
| 35 | Differential utilisation of ceramide during replication of the flaviviruses West Nile and dengue virus. Virology, 2015, 484, 241-250. | 2.4 | 53 |
| 36 | Lipid droplets and lipid mediators in viral infection and immunity. FEMS Microbiology Reviews, 2021, 45, . | 8.6 | 52 |

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|---|---|---|---|
| 37 | West Nile virus-induced cytoplasmic membrane structures provide partial protection against the interferon-induced antiviral MxA protein. Journal of General Virology, 2007, 88, 3013-3017. | 2.9 | 51 |
| 38 | Determinants of Zika virus host tropism uncovered by deep mutational scanning. Nature Microbiology, 2019, 4, 876-887. | 13.3 | 50 |
| 39 | Mouse Norovirus 1 Utilizes the Cytoskeleton Network To Establish Localization of the Replication Complex Proximal to the Microtubule Organizing Center. Journal of Virology, 2012, 86, 4110-4122. | 3.4 | 47 |
| 40 | Phospholipase A2 activity during the replication cycle of the flavivirus West Nile virus. PLoS Pathogens, 2018, 14, e1007029. | 4.7 | 47 |
| 41 | Improved membrane preservation of flavivirus-infected cells with cryosectioning. Journal of Virological Methods, 1996, 56, 67-75. | 2.1 | 45 |
| 42 | Kunjin Virus Replicon Vectors for Human Immunodeficiency Virus Vaccine Development. Journal of Virology, 2003, 77, 7796-7803. | 3.4 | 45 |
| 43 | Stable Expression of Noncytopathic Kunjin Replicons Simulates Both Ultrastructural and Biochemical Characteristics Observed during Replication of Kunjin Virus. Virology, 2001, 279, 161-172. | 2.4 | 41 |
| 44 | Nonnucleoside Inhibitors of Norovirus RNA Polymerase: Scaffolds for Rational Drug Design. Antimicrobial Agents and Chemotherapy, 2014, 58, 3115-3123. | 3.2 | 41 |
| 45 | Antiviral Candidates for Treating Hepatitis E Virus Infection. Antimicrobial Agents and Chemotherapy, 2019, 63, . | 3.2 | 41 |
| 46 | Vectorial Entry and Release of Hepatitis A Virus in Polarized Human Hepatocytes. Journal of Virology, 2008, 82, 8733-8742. | 3.4 | 39 |
| 47 | Mouse Norovirus Infection Arrests Host Cell Translation Uncoupled from the Stress Granule-PKR-eIF2Î± Axis. MBio, 2019, 10, . | 4.1 | 39 |
| 48 | Hepatitis C virus p7 protein is localized in the endoplasmic reticulum when it is encoded by a replication-competent genome. Journal of General Virology, 2007, 88, 134-142. | 2.9 | 38 |
| 49 | Shaping the flavivirus replication complex: It is curvaceous!. Cellular Microbiology, 2018, 20, e12884. | 2.1 | 38 |
| 50 | Non-structural protein-1 is required for West Nile virus replication complex formation and viral RNA synthesis. Virology Journal, 2013, 10, 339. | 3.4 | 37 |
| 51 | Nucleocytoplasmic shuttling of the West Nile virus <scp>RNA</scp> â€dependent <scp>RNA</scp> polymerase <scp>NS5</scp> is critical to infection. Cellular Microbiology, 2018, 20, e12848. | 2.1 | 33 |
| 52 | The IMPORTance of the Nucleus during Flavivirus Replication. Viruses, 2017, 9, 14. | 3.3 | 32 |
| 53 | Surface display of IgG Fc on baculovirus vectors enhances binding to antigen-presenting cells and cell lines expressing Fc receptors. Archives of Virology, 2009, 154, 1129-1138. | 2.1 | 31 |
| 54 | Modulation of acyl-carnitines, the broad mechanism behind <i>Wolbachia</i> -mediated inhibition of medically important flaviviruses in <i>Aedes aegypti</i>. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 24475-24483. | 7.1 | 30 |

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|---|---|---|---|
| 55 | A Conserved Peptide in West Nile Virus NS4A Protein Contributes to Proteolytic Processing and Is Essential for Replication. Journal of Virology, 2011, 85, 11274-11282. | 3.4 | 27 |
| 56 | Comparison of the replication properties of murine and human calicivirus RNA-dependent RNA polymerases. Virus Genes, 2011, 42, 16-27. | 1.6 | 26 |
| 57 | The Norovirus NS3 Protein Is a Dynamic Lipid- and Microtubule-Associated Protein Involved in Viral RNA Replication. Journal of Virology, 2017, 91, . | 3.4 | 26 |
| 58 | West Nile virus infection and interferon alpha treatment alter the spectrum and the levels of coding and noncoding host RNAs secreted in extracellular vesicles. BMC Genomics, 2019, 20, 474. | 2.8 | 23 |
| 59 | The West Nile virus assembly process evades the conserved antiviral mechanism of the interferon-induced MxA protein. Virology, 2014, 448, 104-116. | 2.4 | 20 |
| 60 | Monocyte apoptotic bodies are vehicles for influenza A virus propagation. Communications Biology, 2020, 3, 223. | 4.4 | 20 |
| 61 | TLR7 Agonists Display Potent Antiviral Effects against Norovirus Infection via Innate Stimulation. Antimicrobial Agents and Chemotherapy, 2018, 62, . | 3.2 | 18 |
| 62 | Broad-spectrum non-nucleoside inhibitors for caliciviruses. Antiviral Research, 2017, 146, 65-75. | 4.1 | 17 |
| 63 | RNA Sequencing of Murine Norovirus-Infected Cells Reveals Transcriptional Alteration of Genes Important to Viral Recognition and Antigen Presentation. Frontiers in Immunology, 2017, 8, 959. | 4.8 | 17 |
| 64 | Inducible System in Human Hepatoma Cell Lines for Hepatitis C Virus Production. Virology, 2002, 303, 79-99. | 2.4 | 16 |
| 65 | Mouse Norovirus infection promotes autophagy induction to facilitate replication but prevents final autophagosome maturation. Virology, 2016, 492, 130-139. | 2.4 | 14 |
| 66 | Using a Virion Assembly-Defective Dengue Virus as a Vaccine Approach. Journal of Virology, 2018, 92, . | 3.4 | 13 |
| 67 | Expression of the hepatitis C virus structural proteins in mammalian cells induces morphology similar to that in natural infection. Journal of Viral Hepatitis, 2002, 9, 9-17. | 2.0 | 12 |
| 68 | The dengue virus M protein localises to the endoplasmic reticulum and forms oligomers. FEBS Letters, 2012, 586, 1032-1037. | 2.8 | 11 |
| 69 | Conserved amino acids within the N-terminus of the West Nile virus NS4A protein contribute to virus replication, protein stability and membrane proliferation. Virology, 2015, 481, 95-106. | 2.4 | 11 |
| 70 | Norovirus Infection: Replication, Manipulation of Host, and Interaction with the Host Immune Response. Journal of Interferon and Cytokine Research, 2016, 36, 215-225. | 1.2 | 11 |
| 71 | Mouse Norovirus Infection Reduces the Surface Expression of Major Histocompatibility Complex Class I Proteins and Inhibits CD8 <sup>+</sup> T Cell Recognition and Activation. Journal of Virology, 2018, 92, . | 3.4 | 9 |
| 72 | The Adenosine Analogue NITD008 has Potent Antiviral Activity against Human and Animal Caliciviruses. Viruses, 2019, 11, 496. | 3.3 | 8 |

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|---|---|---|---|
| 73 | Flaviviral regulation of the unfolded protein response: can stress be beneficial?. Future Virology, 2013, 8, 1095-1109. | 1.8 | 5 |
| 74 | Nuclear localisation of West Nile virus NS5 protein modulates host gene expression. Virology, 2021, 559, 131-144. | 2.4 | 5 |
| 75 | Comparisons of physical separation methods of Kunjin virus-induced membranes. Journal of Virological Methods, 2004, 120, 179-187. | 2.1 | 4 |
| 76 | The Microtubule-Associated Innate Immune Sensor GEF-H1 Does Not Influence Mouse Norovirus Replication in Murine Macrophages. Viruses, 2019, 11, 47. | 3.3 | 4 |
| 77 | A Putative Lipid-Associating Motif in the West Nile Virus NS4A Protein Is Required for Efficient Virus Replication. Frontiers in Cell and Developmental Biology, 2021, 9, 655606. | 3.7 | 4 |
| 78 | Flavivirus replication kinetics in early-term placental cell lines with different differentiation pathways. Virology Journal, 2021, 18, 251. | 3.4 | 3 |
| 79 | Liquid Chalk Is an Antiseptic against SARS-CoV-2 and Influenza A Respiratory Viruses. MSphere, 2021, 6, e0031321. | 2.9 | 1 |
| 80 | Immature Brain Cortical Neurons Have Low Transcriptional Competence to Activate Antiviral Defences and Control RNA Virus Infections. Journal of Innate Immunity, 2023, 15, 50-66. | 3.8 | 1 |