

Joseph L Mankowski

List of Publications by Year in descending order

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79
papers

4,436
citations

117625

34
h-index

114465

63
g-index

88
all docs

88
docs citations

88
times ranked

4288
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | HIV-associated neurocognitive disorder “ pathogenesis and prospects for treatment. <i>Nature Reviews Neurology</i> , 2016, 12, 234-248. | 10.1 | 690 |
| 2 | High Viral Load in the Cerebrospinal Fluid and Brain Correlates with Severity of Simian Immunodeficiency Virus Encephalitis. <i>Journal of Virology</i> , 1999, 73, 10480-10488. | 3.4 | 214 |
| 3 | Neuroprotective and Anti-“Human Immunodeficiency Virus Activity of Minocycline. <i>JAMA - Journal of the American Medical Association</i> , 2005, 293, 2003. | 7.4 | 208 |
| 4 | The Central Nervous System as a Reservoir for Simian Immunodeficiency Virus (SIV): Steady-“State Levels of SIV DNA in Brain from Acute through Asymptomatic Infection. <i>Journal of Infectious Diseases</i> , 2002, 186, 905-913. | 4.0 | 163 |
| 5 | Mitochondrial dysfunction in distal axons contributes to human immunodeficiency virus sensory neuropathy. <i>Annals of Neurology</i> , 2011, 69, 100-110. | 5.3 | 151 |
| 6 | Antiretroviral drugs induce oxidative stress and neuronal damage in the central nervous system. <i>Journal of NeuroVirology</i> , 2014, 20, 39-53. | 2.1 | 151 |
| 7 | A Simian Immunodeficiency Virus-Infected Macaque Model To Study Viral Reservoirs That Persist during Highly Active Antiretroviral Therapy. <i>Journal of Virology</i> , 2009, 83, 9247-9257. | 3.4 | 138 |
| 8 | Brain Macrophages in Simian Immunodeficiency Virus-Infected, Antiretroviral-Suppressed Macaques: a Functional Latent Reservoir. <i>MBio</i> , 2017, 8, . | 4.1 | 131 |
| 9 | Resting CD4 + T Lymphocytes but Not Thymocytes Provide a Latent Viral Reservoir in a Simian Immunodeficiency Virus- <i>Macaca nemestrina</i> Model of Human Immunodeficiency Virus Type 1-Infected Patients on Highly Active Antiretroviral Therapy. <i>Journal of Virology</i> , 2003, 77, 4938-4949. | 3.4 | 117 |
| 10 | Simian Immunodeficiency Virus-“Infected Macaques Treated with Highly Active Antiretroviral Therapy Have Reduced Central Nervous System Viral Replication and Inflammation but Persistence of Viral DNA. <i>Journal of Infectious Diseases</i> , 2010, 202, 161-170. | 4.0 | 105 |
| 11 | Constitutive BDNF/TrkB signaling is required for normal cardiac contraction and relaxation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 1880-1885. | 7.1 | 96 |
| 12 | Quantitation of Productively Infected Monocytes and Macrophages of Simian Immunodeficiency Virus-Infected Macaques. <i>Journal of Virology</i> , 2016, 90, 5643-5656. | 3.4 | 93 |
| 13 | Coordinated Regulation of SIV Replication and Immune Responses in the CNS. <i>PLoS ONE</i> , 2009, 4, e8129. | 2.5 | 88 |
| 14 | The accelerated simian immunodeficiency virus macaque model of human immunodeficiency virus-“associated neurological disease: From mechanism to treatment. <i>Journal of NeuroVirology</i> , 2008, 14, 309-317. | 2.1 | 79 |
| 15 | Searching for Clues: Tracking the Pathogenesis of Human Immunodeficiency Virus Central Nervous System Disease by Use of an Accelerated, Consistent Simian Immunodeficiency Virus Macaque Model. <i>Journal of Infectious Diseases</i> , 2002, 186, S199-S208. | 4.0 | 77 |
| 16 | The Landscape of Persistent Viral Genomes in ART-Treated SIV, SHIV, and HIV-2 Infections. <i>Cell Host and Microbe</i> , 2019, 26, 73-85.e4. | 11.0 | 71 |
| 17 | Sex Differences in Lung Imaging and SARS-CoV-2 Antibody Responses in a COVID-19 Golden Syrian Hamster Model. <i>MBio</i> , 2021, 12, e0097421. | 4.1 | 69 |
| 18 | Myeloid and CD4 T Cells Comprise the Latent Reservoir in Antiretroviral Therapy-Suppressed SIVmac251-Infected Macaques. <i>MBio</i> , 2019, 10, . | 4.1 | 64 |

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|----|--|------|-----------|
| 19 | A Murine Viral Outgrowth Assay to Detect Residual HIV Type 1 in Patients With Undetectable Viral Loads. <i>Journal of Infectious Diseases</i> , 2015, 212, 1387-1396. | 4.0 | 63 |
| 20 | A bacterial extracellular vesicle-based intranasal vaccine against SARS-CoV-2 protects against disease and elicits neutralizing antibodies to wild-type and Delta variants. <i>Journal of Extracellular Vesicles</i> , 2022, 11, e12192. | 12.2 | 60 |
| 21 | Infectious Virus Persists in CD4 ⁺ T Cells and Macrophages in Antiretroviral Therapy-Suppressed Simian Immunodeficiency Virus-Infected Macaques. <i>Journal of Virology</i> , 2019, 93, . | 3.4 | 58 |
| 22 | A simian immunodeficiency virus macaque model of highly active antiretroviral treatment: viral latency in the periphery and the central nervous system. <i>Current Opinion in HIV and AIDS</i> , 2011, 6, 37-42. | 3.8 | 57 |
| 23 | Platelet Activation and Platelet-Monocyte Aggregate Formation Contribute to Decreased Platelet Count During Acute Simian Immunodeficiency Virus Infection in Pig-tailed Macaques. <i>Journal of Infectious Diseases</i> , 2013, 208, 874-883. | 4.0 | 55 |
| 24 | Central Nervous System Correlates of Behavioral Deficits Following Simian Immunodeficiency Virus Infection. <i>Journal of NeuroVirology</i> , 2003, 9, 452-464. | 2.1 | 49 |
| 25 | Macrophage-Mediated Dorsal Root Ganglion Damage Precedes Altered Nerve Conduction in SIV-Infected Macaques. <i>American Journal of Pathology</i> , 2011, 179, 2337-2345. | 3.8 | 49 |
| 26 | From Mice to Macaques – Animal Models of HIV Nervous System Disease. <i>Current HIV Research</i> , 2006, 4, 293-305. | 0.5 | 44 |
| 27 | Functional analyses of natural killer cells in macaques infected with neurovirulent simian immunodeficiency virus. <i>Journal of NeuroVirology</i> , 2001, 7, 11-24. | 2.1 | 40 |
| 28 | The central nervous system is a viral reservoir in simian immunodeficiency virus-infected macaques on combined antiretroviral therapy: A model for human immunodeficiency virus patients on highly active antiretroviral therapy. <i>Journal of NeuroVirology</i> , 2005, 11, 180-189. | 2.1 | 40 |
| 29 | Role of Microglial Cells in Selective Replication of Simian Immunodeficiency Virus Genotypes in the Brain. <i>Journal of Virology</i> , 2003, 77, 208-216. | 3.4 | 39 |
| 30 | Pathogenesis of Simian Immunodeficiency Virus-Induced Alterations in Macaque Trigeminal Ganglia. <i>Journal of Neuropathology and Experimental Neurology</i> , 2007, 66, 26-34. | 1.7 | 38 |
| 31 | An SIV/macaque model targeted to study HIV-associated neurocognitive disorders. <i>Journal of NeuroVirology</i> , 2018, 24, 204-212. | 2.1 | 38 |
| 32 | MHC class I allele frequencies in pigtail macaques of diverse origin. <i>Immunogenetics</i> , 2006, 58, 995-1001. | 2.4 | 37 |
| 33 | Platelet Decline. <i>Archives of Neurology</i> , 2007, 64, 1264. | 4.5 | 37 |
| 34 | Neuroprotective maraviroc monotherapy in simian immunodeficiency virus-infected macaques. <i>Aids</i> , 2013, 27, F21-F28. | 2.2 | 36 |
| 35 | Elevated Peripheral Benzodiazepine Receptor Expression in Simian Immunodeficiency Virus Encephalitis. <i>Journal of NeuroVirology</i> , 2003, 9, 94-100. | 2.1 | 35 |
| 36 | Replication-Competent Simian Immunodeficiency Virus (SIV) Gag Escape Mutations Archived in Latent Reservoirs during Antiretroviral Treatment of SIV-Infected Macaques. <i>Journal of Virology</i> , 2011, 85, 9167-9175. | 3.4 | 34 |

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|----|---|-----|-----------|
| 37 | Pathogenesis of Simian Immunodeficiency Virus Pneumonia. <i>American Journal of Pathology</i> , 1998, 153, 1123-1130. | 3.8 | 33 |
| 38 | Sodium Channel Na ^v 1.8 Underlies TTX-Resistant Axonal Action Potential Conduction in Somatosensory C-Fibers of Distal Cutaneous Nerves. <i>Journal of Neuroscience</i> , 2017, 37, 5204-5214. | 3.6 | 33 |
| 39 | Unraveling the Pathogenesis of HIV Peripheral Neuropathy: Insights from a Simian Immunodeficiency Virus Macaque Model. <i>ILAR Journal</i> , 2014, 54, 296-303. | 1.8 | 30 |
| 40 | Diastolic dysfunction is associated with myocardial viral load in simian immunodeficiency virus-infected macaques. <i>Aids</i> , 2012, 26, 815-823. | 2.2 | 29 |
| 41 | HIV Protease Inhibitors Alter Amyloid Precursor Protein Processing via Î²-Site Amyloid Precursor Protein Cleaving Enzyme-1 Translational Up-Regulation. <i>American Journal of Pathology</i> , 2017, 187, 91-109. | 3.8 | 29 |
| 42 | Alterations in blood-brain barrier glucose transport in SIV-infected macaques. <i>Journal of NeuroVirology</i> , 1999, 5, 695-702. | 2.1 | 26 |
| 43 | Macaque species susceptibility to simian immunodeficiency virus: increased incidence of SIV central nervous system disease in pigtailed macaques versus rhesus macaques. <i>Journal of NeuroVirology</i> , 2015, 21, 148-158. | 2.1 | 25 |
| 44 | Paving the path to HIV neurotherapy: Predicting SIV CNS disease. <i>European Journal of Pharmacology</i> , 2015, 759, 303-312. | 3.5 | 25 |
| 45 | Combination fluconazole/paroxetine treatment is neuroprotective despite ongoing neuroinflammation and viral replication in an SIV model of HIV neurological disease. <i>Journal of NeuroVirology</i> , 2014, 20, 591-602. | 2.1 | 24 |
| 46 | Platelet decline: An early predictive hematologic marker of simian immunodeficiency virus central nervous system disease. <i>Journal of NeuroVirology</i> , 2006, 12, 25-33. | 2.1 | 23 |
| 47 | SIV Latency in Macrophages in the CNS. <i>Current Topics in Microbiology and Immunology</i> , 2018, 417, 111-130. | 1.1 | 22 |
| 48 | Comparative Anatomy of the Mammalian Corneal Subbasal Nerve Plexus. , 2019, 60, 4972. | | 22 |
| 49 | Progression and Resolution of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Infection in Golden Syrian Hamsters. <i>American Journal of Pathology</i> , 2022, 192, 195-207. | 3.8 | 22 |
| 50 | Natural Host Genetic Resistance to Lentiviral CNS Disease: A Neuroprotective MHC Class I Allele in SIV-Infected Macaques. <i>PLoS ONE</i> , 2008, 3, e3603. | 2.5 | 21 |
| 51 | Altered cutaneous nerve regeneration in a simian immunodeficiency virus / macaque intracutaneous axotomy model. <i>Journal of Comparative Neurology</i> , 2009, 514, 272-283. | 1.6 | 20 |
| 52 | HIV and SIV associated thrombocytopenia: an expanding role for platelets in the pathogenesis of HIV. <i>Drug Discovery Today Disease Mechanisms</i> , 2011, 8, e25-e32. | 0.8 | 20 |
| 53 | Persistent Peripheral Nervous System Damage in Simian Immunodeficiency Virus-Infected Macaques Receiving Antiretroviral Therapy. <i>Journal of Neuropathology and Experimental Neurology</i> , 2015, 74, 1053-1060. | 1.7 | 20 |
| 54 | Increased Microglial CSF1R Expression in the SIV/Macaque Model of HIV CNS Disease. <i>Journal of Neuropathology and Experimental Neurology</i> , 2018, 77, 199-206. | 1.7 | 20 |

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|----|--|-----|-----------|
| 55 | Progressive selection for neurovirulent genotypes in the brain of SIV-infected macaques. <i>Aids</i> , 2006, 20, 197-205. | 2.2 | 19 |
| 56 | Neuroinflammation and Virus Replication in the Spinal Cord of Simian Immunodeficiency Virus-Infected Macaques. <i>Journal of Neuropathology and Experimental Neurology</i> , 2015, 74, 38-47. | 1.7 | 18 |
| 57 | 14-3-3 Protein in CSF: An Early Predictor of SIV CNS Disease. <i>Journal of Neuropathology and Experimental Neurology</i> , 2005, 64, 202-208. | 1.7 | 17 |
| 58 | HIV and SIV Induce Alterations in CNS CaMKII Expression and Activation. <i>American Journal of Pathology</i> , 2010, 176, 2776-2784. | 3.8 | 17 |
| 59 | Splenic Damage during SIV Infection. <i>American Journal of Pathology</i> , 2016, 186, 2068-2087. | 3.8 | 17 |
| 60 | Loss of Corneal Sensory Nerve Fibers in SIV-Infected Macaques. <i>American Journal of Pathology</i> , 2014, 184, 1652-1659. | 3.8 | 16 |
| 61 | ¹²⁴ I-iodo-DPA-713 Positron Emission Tomography in a Hamster Model of SARS-CoV-2 Infection. <i>Molecular Imaging and Biology</i> , 2022, 24, 135-143. | 2.6 | 16 |
| 62 | SIV-Induced Immune Activation and Metabolic Alterations in the Dorsal Root Ganglia During Acute Infection. <i>Journal of Neuropathology and Experimental Neurology</i> , 2019, 78, 78-87. | 1.7 | 15 |
| 63 | SIV-induced impairment of neurovascular repair: a potential role for VEGF. <i>Journal of NeuroVirology</i> , 2012, 18, 222-230. | 2.1 | 13 |
| 64 | TGF β ² -Mediated Downregulation of Thrombopoietin Is Associated With Platelet Decline in Asymptomatic SIV Infection. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2014, 65, 510-516. | 2.1 | 13 |
| 65 | Deep learning-based analysis of macaque corneal sub-basal nerve fibers in confocal microscopy images. <i>Eye and Vision (London, England)</i> , 2020, 7, 27. | 3.0 | 13 |
| 66 | Tracking Epidermal Nerve Fiber Changes in Asian Macaques. <i>Toxicologic Pathology</i> , 2016, 44, 904-912. | 1.8 | 12 |
| 67 | Corneal confocal microscopy demonstrates axonal loss in different courses of multiple sclerosis. <i>Scientific Reports</i> , 2021, 11, 21688. | 3.3 | 11 |
| 68 | The pigtail macaque (<i>Macaca nemestrina</i>) model of COVID-19 reproduces diverse clinical outcomes and reveals new and complex signatures of disease. <i>PLoS Pathogens</i> , 2021, 17, e1010162. | 4.7 | 11 |
| 69 | Central nervous system-specific consequences of simian immunodeficiency virus Gag escape from major histocompatibility complex class I-mediated control. <i>Journal of NeuroVirology</i> , 2016, 22, 498-507. | 2.1 | 10 |
| 70 | Psychosocial Stress Alters the Immune Response and Results in Higher Viral Load During Acute Simian Immunodeficiency Virus Infection in a Pigtailed Macaque Model of Human Immunodeficiency Virus. <i>Journal of Infectious Diseases</i> , 2021, 224, 2113-2121. | 4.0 | 10 |
| 71 | Central Nervous System Correlates of Behavioral Deficits Following Simian Immunodeficiency Virus Infection. <i>Journal of NeuroVirology</i> , 2003, 9, 452-464. | 2.1 | 10 |
| 72 | Lymphocyte-Dominant Encephalitis and Meningitis in Simian Immunodeficiency Virus-Infected Macaques Receiving Antiretroviral Therapy. <i>American Journal of Pathology</i> , 2018, 188, 125-134. | 3.8 | 8 |

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|----|--|-----|-----------|
| 73 | Chromosome-level de novo assembly of the pig-tailed macaque genome using linked-read sequencing and HiC proximity scaffolding. <i>GigaScience</i> , 2020, 9, . | 6.4 | 6 |
| 74 | Differential regulation of TREM2 and CSF1R in CNS macrophages in an SIV/maaque model of HIV CNS disease. <i>Journal of NeuroVirology</i> , 2020, 26, 511-519. | 2.1 | 6 |
| 75 | Successful kidney transplantation from a deceased donor with severe COVID-19 respiratory illness with undetectable SARS-CoV-2 in donor kidney and aorta. <i>American Journal of Transplantation</i> , 2022, 22, 1501-1503. | 4.7 | 5 |
| 76 | Upregulation of Superoxide Dismutase 2 by Astrocytes in the SIV/Macaque Model of HIV-Associated Neurologic Disease. <i>Journal of Neuropathology and Experimental Neurology</i> , 2020, 79, 986-997. | 1.7 | 4 |
| 77 | Combining In Vivo Corneal Confocal Microscopy With Deep Learning-Based Analysis Reveals Sensory Nerve Fiber Loss in Acute Simian Immunodeficiency Virus Infection. <i>Cornea</i> , 2021, 40, 635-642. | 1.7 | 4 |
| 78 | Genetic Characterization of a Captive Colony of Pigtailed Macaques (). <i>Journal of the American Association for Laboratory Animal Science</i> , 2017, 56, 390-395. | 1.2 | 4 |
| 79 | 14-3-3 Protein in CSF Reflects SIV-Mediated Pre-Synaptic Damage. <i>Current HIV Research</i> , 2013, 11, 281-287. | 0.5 | 3 |