

Neutralizing human antibodies prevent Zika virus repli

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| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Advances in Zika Virus Research: Stem Cell Models, Challenges, and Opportunities. <i>Cell Stem Cell</i> , 2016, 19, 690-702. | 5.2 | 103 |
| 2 | Zika virus: end of transmission?. <i>Nature Reviews Immunology</i> , 2016, 16, 718-719. | 10.6 | 5 |
| 3 | Mapping and Role of the CD8 + T Cell Response During Primary Zika Virus Infection in Mice. <i>Cell Host and Microbe</i> , 2017, 21, 35-46. | 5.1 | 211 |
| 4 | Animal Models of Zika Virus Infection, Pathogenesis, and Immunity. <i>Journal of Virology</i> , 2017, 91, . | 1.5 | 225 |
| 5 | Preventive and therapeutic challenges in combating Zika virus infection: are we getting any closer?. <i>Journal of NeuroVirology</i> , 2017, 23, 347-357. | 1.0 | 12 |
| 6 | Prospects for a Zika Virus Vaccine. <i>Immunity</i> , 2017, 46, 176-182. | 6.6 | 79 |
| 7 | Modified mRNA Vaccines Protect against Zika Virus Infection. <i>Cell</i> , 2017, 168, 1114-1125.e10. | 13.5 | 633 |
| 8 | Novel antiviral activity and mechanism of bromocriptine as a Zika virus NS2B-NS3 protease inhibitor. <i>Antiviral Research</i> , 2017, 141, 29-37. | 1.9 | 102 |
| 9 | Zika Virus Pathogenesis and Tissue Tropism. <i>Cell Host and Microbe</i> , 2017, 21, 134-142. | 5.1 | 337 |
| 10 | The Antigenic Structure of Zika Virus and Its Relation to Other Flaviviruses: Implications for Infection and Immunoprophylaxis. <i>Microbiology and Molecular Biology Reviews</i> , 2017, 81, . | 2.9 | 156 |
| 11 | Maternal-Fetal Transmission of Zika Virus: Routes and Signals for Infection. <i>Journal of Interferon and Cytokine Research</i> , 2017, 37, 287-294. | 0.5 | 44 |
| 12 | Vaccination strategies against Zika virus. <i>Current Opinion in Virology</i> , 2017, 23, 59-67. | 2.6 | 62 |
| 13 | Humoral cross-reactivity between Zika and dengue viruses: implications for protection and pathology. <i>Emerging Microbes and Infections</i> , 2017, 6, 1-6. | 3.0 | 93 |
| 14 | Recent advances in human flavivirus vaccines. <i>Current Opinion in Virology</i> , 2017, 23, 95-101. | 2.6 | 39 |
| 15 | Recurrent Potent Human Neutralizing Antibodies to Zika Virus in Brazil and Mexico. <i>Cell</i> , 2017, 169, 597-609.e11. | 13.5 | 279 |
| 16 | Overview on the Current Status of Zika Virus Pathogenesis and Animal Related Research. <i>Journal of NeuroImmune Pharmacology</i> , 2017, 12, 371-388. | 2.1 | 18 |
| 17 | Zika Virus Persistence in the Central Nervous System and Lymph Nodes of Rhesus Monkeys. <i>Cell</i> , 2017, 169, 610-620.e14. | 13.5 | 191 |
| 18 | <i>De Novo</i> Generation and Characterization of New Zika Virus Isolate Using Sequence Data from a Microcephaly Case. <i>MSphere</i> , 2017, 2, . | 1.3 | 47 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Zika in the Americas, year 2: What have we learned? What gaps remain? A report from the Global Virus Network. <i>Antiviral Research</i> , 2017, 144, 223-246. | 1.9 | 104 |
| 20 | The Race To Find Antivirals for Zika Virus. <i>Antimicrobial Agents and Chemotherapy</i> , 2017, 61, . | 1.4 | 86 |
| 21 | A human antibody against Zika virus crosslinks the E protein to prevent infection. <i>Nature Communications</i> , 2017, 8, 14722. | 5.8 | 122 |
| 22 | The Critical Role of Biomedical Research in Pandemic Preparedness. <i>JAMA - Journal of the American Medical Association</i> , 2017, 318, 1757. | 3.8 | 27 |
| 23 | Neutralizing human monoclonal antibodies prevent Zika virus infection in macaques. <i>Science Translational Medicine</i> , 2017, 9, . | 5.8 | 89 |
| 24 | Human antibodies to the dengue virus E-dimer epitope have therapeutic activity against Zika virus infection. <i>Nature Immunology</i> , 2017, 18, 1261-1269. | 7.0 | 95 |
| 25 | A DNA Vaccine Protects Human Immune Cells against Zika Virus Infection in Humanized Mice. <i>EBioMedicine</i> , 2017, 25, 87-94. | 2.7 | 37 |
| 26 | Zika virus has oncolytic activity against glioblastoma stem cells. <i>Journal of Experimental Medicine</i> , 2017, 214, 2843-2857. | 4.2 | 179 |
| 27 | Human polyclonal antibodies produced in transchromosomal cattle prevent lethal Zika virus infection and testicular atrophy in mice. <i>Antiviral Research</i> , 2017, 146, 164-173. | 1.9 | 22 |
| 28 | A single-dose live-attenuated vaccine prevents Zika virus pregnancy transmission and testis damage. <i>Nature Communications</i> , 2017, 8, 676. | 5.8 | 125 |
| 29 | Immunization with truncated envelope protein of Zika virus induces protective immune response in mice. <i>Scientific Reports</i> , 2017, 7, 10047. | 1.6 | 30 |
| 30 | Zika Virus-associated Ocular and Neurologic Disorders. <i>Pediatric Infectious Disease Journal</i> , 2017, 36, e341-e346. | 1.1 | 8 |
| 31 | Maternal Antiviral Immunoglobulin Accumulates in Neural Tissue of Neonates To Prevent HSV Neurological Disease. <i>MBio</i> , 2017, 8, . | 1.8 | 27 |
| 32 | The immunopathology of dengue and Zika virus infections. <i>Current Opinion in Immunology</i> , 2017, 48, 1-6. | 2.4 | 38 |
| 33 | A peptide-based viral inactivator inhibits Zika virus infection in pregnant mice and fetuses. <i>Nature Communications</i> , 2017, 8, 15672. | 5.8 | 115 |
| 34 | Vaccine Mediated Protection Against Zika Virus-Induced Congenital Disease. <i>Cell</i> , 2017, 170, 273-283.e12. | 13.5 | 224 |
| 35 | Progress and Works in Progress: Update on Flavivirus Vaccine Development. <i>Clinical Therapeutics</i> , 2017, 39, 1519-1536. | 1.1 | 95 |
| 36 | Human Zika infection induces a reduction of IFN- β producing CD4 T-cells and a parallel expansion of effector $\gamma\delta$ T-cells. <i>Scientific Reports</i> , 2017, 7, 6313. | 1.6 | 35 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Monoclonal Antibodies against Zika Virus: Therapeutics and Their Implications for Vaccine Design. <i>Journal of Virology</i> , 2017, 91, . | 1.5 | 36 |
| 38 | Principles of Broad and Potent Antiviral Human Antibodies: Insights for Vaccine Design. <i>Cell Host and Microbe</i> , 2017, 22, 193-206. | 5.1 | 65 |
| 39 | Current status of therapeutic and vaccine approaches against Zika virus. <i>European Journal of Internal Medicine</i> , 2017, 44, 12-18. | 1.0 | 39 |
| 40 | Zika virus activates de novo and cross-reactive memory B cell responses in dengue-experienced donors. <i>Science Immunology</i> , 2017, 2, . | 5.6 | 98 |
| 41 | Development of Virus-Like-Particle Vaccine and Reporter Assay for Zika Virus. <i>Journal of Virology</i> , 2017, 91, . | 1.5 | 77 |
| 42 | Zika Virus and the Eye: Where Are We Now and Where Are We Heading?. <i>Current Ophthalmology Reports</i> , 2017, 5, 264-269. | 0.5 | 0 |
| 43 | Durability and correlates of vaccine protection against Zika virus in rhesus monkeys. <i>Science Translational Medicine</i> , 2017, 9, . | 5.8 | 108 |
| 44 | Zika Virus Infects Intermediate Progenitor Cells and Post-mitotic Committed Neurons in Human Fetal Brain Tissues. <i>Scientific Reports</i> , 2017, 7, 14883. | 1.6 | 42 |
| 45 | Impact of Zika virus for infertility specialists: current literature, guidelines, and resources. <i>Journal of Assisted Reproduction and Genetics</i> , 2017, 34, 1237-1250. | 1.2 | 9 |
| 46 | Zika virus tropism and interactions in myelinating neural cell cultures: CNS cells and myelin are preferentially affected. <i>Acta Neuropathologica Communications</i> , 2017, 5, 50. | 2.4 | 56 |
| 47 | Immune Cell Dynamics in Rhesus Macaques Infected with a Brazilian Strain of Zika Virus. <i>Journal of Immunology</i> , 2017, 199, 1003-1011. | 0.4 | 51 |
| 48 | Preventing neonatal herpes infections through maternal immunization. <i>Future Virology</i> , 2017, 12, 709-711. | 0.9 | 3 |
| 49 | Zika Virus Structure, Maturation, and Receptors. <i>Journal of Infectious Diseases</i> , 2017, 216, S935-S944. | 1.9 | 176 |
| 50 | Neutralization of Zika virus by germline-like human monoclonal antibodies targeting cryptic epitopes on envelope domain III. <i>Emerging Microbes and Infections</i> , 2017, 6, 1-11. | 3.0 | 41 |
| 51 | Humoral Immune Responses Against Zika Virus Infection and the Importance of Preexisting Flavivirus Immunity. <i>Journal of Infectious Diseases</i> , 2017, 216, S906-S911. | 1.9 | 34 |
| 52 | Small Molecules and Antibodies for Zika Therapy. <i>Journal of Infectious Diseases</i> , 2017, 216, S945-S950. | 1.9 | 23 |
| 53 | Small-Animal Models of Zika Virus. <i>Journal of Infectious Diseases</i> , 2017, 216, S919-S927. | 1.9 | 22 |
| 54 | Zika Virus: Recent Advances towards the Development of Vaccines and Therapeutics. <i>Viruses</i> , 2017, 9, 143. | 1.5 | 28 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 55 | Understanding the Pathogenesis of Zika Virus Infection Using Animal Models. <i>Immune Network</i> , 2017, 17, 287. | 1.6 | 19 |
| 56 | Prevention and Control Strategies to Counter ZIKA Epidemic. <i>Frontiers in Microbiology</i> , 2017, 8, 305. | 1.5 | 28 |
| 57 | Advances in Developing Therapies to Combat Zika Virus: Current Knowledge and Future Perspectives. <i>Frontiers in Microbiology</i> , 2017, 8, 1469. | 1.5 | 101 |
| 58 | Zika Virus: What Have We Learnt Since the Start of the Recent Epidemic?. <i>Frontiers in Microbiology</i> , 2017, 8, 1554. | 1.5 | 44 |
| 59 | Solution conformations of Zika NS2B-NS3pro and its inhibition by natural products from edible plants. <i>PLoS ONE</i> , 2017, 12, e0180632. | 1.1 | 78 |
| 60 | Ontogeny of the B- and T-cell response in a primary Zika virus infection of a dengue-naïve individual during the 2016 outbreak in Miami, FL. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0006000. | 1.3 | 48 |
| 61 | Lineage-dependent differences in the disease progression of Zika virus infection in type-I interferon receptor knockout (A129) mice. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005704. | 1.3 | 56 |
| 62 | Immune Human Antibody Libraries for Infectious Diseases. <i>Advances in Experimental Medicine and Biology</i> , 2017, 1053, 61-78. | 0.8 | 4 |
| 63 | Potential Therapeutics: Toe Hold in the Fight against Zika Virus. <i>Journal of Bioanalysis & Biomedicine</i> , 2017, 09, . | 0.1 | 0 |
| 64 | Cross-reactive dengue human monoclonal antibody prevents severe pathologies and death from Zika virus infections. <i>JCI Insight</i> , 2017, 2, . | 2.3 | 74 |
| 65 | Adverse outcomes of pregnancy-associated Zika virus infection. <i>Seminars in Perinatology</i> , 2018, 42, 155-167. | 1.1 | 14 |
| 66 | Monoclonal Antibodies for Emerging Infectious Diseases “Borrowing from History. <i>New England Journal of Medicine</i> , 2018, 378, 1469-1472. | 13.9 | 108 |
| 68 | Fetal demise and failed antibody therapy during Zika virus infection of pregnant macaques. <i>Nature Communications</i> , 2018, 9, 1624. | 5.8 | 68 |
| 69 | Development of vaccines against Zika virus. <i>Lancet Infectious Diseases</i> , The, 2018, 18, e211-e219. | 4.6 | 125 |
| 70 | Congenital Zika virus infection as a silent pathology with loss of neurogenic output in the fetal brain. <i>Nature Medicine</i> , 2018, 24, 368-374. | 15.2 | 117 |
| 71 | Immunization with phage virus-like particles displaying Zika virus potential B-cell epitopes neutralizes Zika virus infection of monkey kidney cells. <i>Vaccine</i> , 2018, 36, 1256-1264. | 1.7 | 29 |
| 72 | Ophthalmologic Manifestations Associated With Zika Virus Infection. <i>Pediatrics</i> , 2018, 141, S161-S166. | 1.0 | 61 |
| 73 | Zika virus outbreak: a review of neurological complications, diagnosis, and treatment options. <i>Journal of NeuroVirology</i> , 2018, 24, 255-272. | 1.0 | 32 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 74 | Passive immunotherapy of viral infections: 'super-antibodies' enter the fray. <i>Nature Reviews Immunology</i> , 2018, 18, 297-308. | 10.6 | 220 |
| 75 | Zika virus-related neurotropic flaviviruses infect human placental explants and cause fetal demise in mice. <i>Science Translational Medicine</i> , 2018, 10, . | 5.8 | 85 |
| 76 | Pregnancy and infection: using disease pathogenesis to inform vaccine strategy. <i>Npj Vaccines</i> , 2018, 3, 6. | 2.9 | 34 |
| 77 | Cellular and Humoral Immunity Protect against Vaginal Zika Virus Infection in Mice. <i>Journal of Virology</i> , 2018, 92, . | 1.5 | 54 |
| 78 | Immune Response to Dengue and Zika. <i>Annual Review of Immunology</i> , 2018, 36, 279-308. | 9.5 | 180 |
| 79 | Critical neutralizing fragment of Zika virus EDIII elicits cross-neutralization and protection against divergent Zika viruses. <i>Emerging Microbes and Infections</i> , 2018, 7, 1-8. | 3.0 | 41 |
| 80 | Passive Transfer of Immune Sera Induced by a Zika Virus-Like Particle Vaccine Protects AG129 Mice Against Lethal Zika Virus Challenge. <i>EBioMedicine</i> , 2018, 27, 61-70. | 2.7 | 46 |
| 81 | Using immunocompromised mice to identify mechanisms of Zika virus transmission and pathogenesis. <i>Immunology</i> , 2018, 153, 443-454. | 2.0 | 13 |
| 82 | The Zika virus envelope protein glycan loop regulates virion antigenicity. <i>Virology</i> , 2018, 515, 191-202. | 1.1 | 49 |
| 83 | A Single Injection of Human Neutralizing Antibody Protects against Zika Virus Infection and Microcephaly in Developing Mouse Embryos. <i>Cell Reports</i> , 2018, 23, 1424-1434. | 2.9 | 29 |
| 84 | Zika and the Eye: Pieces of a Puzzle. <i>Progress in Retinal and Eye Research</i> , 2018, 66, 85-106. | 7.3 | 32 |
| 85 | Fetal Neuropathology in Zika Virus-Infected Pregnant Female Rhesus Monkeys. <i>Cell</i> , 2018, 173, 1111-1122.e10. | 13.5 | 104 |
| 86 | Zika virus: from an obscurity to a priority. <i>Microbes and Infection</i> , 2018, 20, 635-645. | 1.0 | 25 |
| 87 | RNA-dependent RNA polymerase: Addressing Zika outbreak by a phylogeny-based drug target study. <i>Chemical Biology and Drug Design</i> , 2018, 91, 322-327. | 1.5 | 4 |
| 88 | Ocular effects of Zika virus—a review. <i>Survey of Ophthalmology</i> , 2018, 63, 166-173. | 1.7 | 19 |
| 89 | Recent advances in understanding the adaptive immune response to Zika virus and the effect of previous flavivirus exposure. <i>Virus Research</i> , 2018, 254, 27-33. | 1.1 | 48 |
| 90 | Which Dengue Vaccine Approach Is the Most Promising, and Should We Be Concerned about Enhanced Disease after Vaccination?. <i>Cold Spring Harbor Perspectives in Biology</i> , 2018, 10, a029520. | 2.3 | 16 |
| 91 | Zika virus structural biology and progress in vaccine development. <i>Biotechnology Advances</i> , 2018, 36, 47-53. | 6.0 | 75 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 92 | Integrating high-throughput screening and sequencing for monoclonal antibody discovery and engineering. <i>Immunology</i> , 2018, 153, 31-41. | 2.0 | 72 |
| 93 | Identification of novel small-molecule inhibitors of Zika virus infection. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 452-458. | 1.0 | 19 |
| 94 | Challenges of Vaccine Development for Zika Virus. <i>Viral Immunology</i> , 2018, 31, 117-123. | 0.6 | 6 |
| 95 | Emerging viral diseases from a vaccinology perspective: preparing for the next pandemic. <i>Nature Immunology</i> , 2018, 19, 20-28. | 7.0 | 110 |
| 96 | Maternal-fetal transmission of the zika virus: An intriguing interplay. <i>Tissue Barriers</i> , 2018, 6, e1402143. | 1.6 | 33 |
| 98 | The immunology of Zika Virus. <i>F1000Research</i> , 2018, 7, 203. | 0.8 | 18 |
| 99 | Arboviruses in South Africa, known and unknown. <i>Future Virology</i> , 2018, 13, 787-802. | 0.9 | 2 |
| 100 | A Combination of Two Human Monoclonal Antibodies Prevents Zika Virus Escape Mutations in Non-human Primates. <i>Cell Reports</i> , 2018, 25, 1385-1394.e7. | 2.9 | 61 |
| 101 | Protein Microarray Analysis of the Specificity and Cross-Reactivity of Influenza Virus Hemagglutinin-Specific Antibodies. <i>MSphere</i> , 2018, 3, . | 1.3 | 45 |
| 102 | Clinical Trials and Administration of Zika Virus Vaccine in Pregnant Women: Lessons (that Should) Tj ETQq1 1 0.784314 rgBT /Overlooked Lactation. <i>Vaccines</i> , 2018, 6, 81. | 2.1 | 39 |
| 103 | Zika Virus Liquid Biopsy: A Dendritic Ru(bpy) ₃ ²⁺ -Polymer-Amplified ECL Diagnosis Strategy Using a Drop of Blood. <i>ACS Central Science</i> , 2018, 4, 1403-1411. | 5.3 | 19 |
| 104 | pH Dependence of Zika Membrane Fusion Kinetics Reveals an Off-Pathway State. <i>ACS Central Science</i> , 2018, 4, 1503-1510. | 5.3 | 43 |
| 105 | A Recombinant Subunit Based Zika Virus Vaccine Is Efficacious in Non-human Primates. <i>Frontiers in Immunology</i> , 2018, 9, 2464. | 2.2 | 36 |
| 106 | Human antibodies targeting Zika virus NS1 provide protection against disease in a mouse model. <i>Nature Communications</i> , 2018, 9, 4560. | 5.8 | 88 |
| 107 | Animal Models of Zika Virus Infection during Pregnancy. <i>Viruses</i> , 2018, 10, 598. | 1.5 | 60 |
| 108 | Animal Models for Chikungunya Virus and Zika Virus. , 2018, , 317-346. | | 1 |
| 109 | Therapeutic treatment of Zika virus infection using a brain-penetrating antiviral peptide. <i>Nature Materials</i> , 2018, 17, 971-977. | 13.3 | 74 |
| 110 | Biophysical Considerations for Development of Antibody-Based Therapeutics. , 2018, , 71-132. | | 4 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 111 | The emergence of Zika virus and its new clinical syndromes. <i>Nature</i> , 2018, 560, 573-581. | 13.7 | 303 |
| 112 | Host-Directed Antivirals: A Realistic Alternative to Fight Zika Virus. <i>Viruses</i> , 2018, 10, 453. | 1.5 | 41 |
| 113 | Activation of Viruses by Host Proteases. , 2018, , . | | 16 |
| 114 | Proteolytic Activation of Flavivirus Envelope Proteins. , 2018, , 109-132. | | 2 |
| 115 | Countering Zika Virus: The USAMRIID Response. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1062, 303-318. | 0.8 | 3 |
| 116 | Structures of Zika Virus E & NS1: Relations with Virus Infection and Host Immune Responses. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1062, 77-87. | 0.8 | 13 |
| 117 | Expediting Antibody Discovery with a Cell and Bead Multiplexed Competition Assay. <i>SLAS Discovery</i> , 2018, 23, 667-675. | 1.4 | 5 |
| 118 | Therapeutic Antibody Discovery in Infectious Diseases Using Single-Cell Analysis. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1068, 89-102. | 0.8 | 9 |
| 119 | Development of a novel peptide aptamer-based immunoassay to detect Zika virus in serum and urine. <i>Theranostics</i> , 2018, 8, 3629-3642. | 4.6 | 24 |
| 120 | Zika vaccines and therapeutics: landscape analysis and challenges ahead. <i>BMC Medicine</i> , 2018, 16, 84. | 2.3 | 70 |
| 121 | Incorporation of NS1 and prM/M are important to confer effective protection of adenovirus-vectored Zika virus vaccine carrying E protein. <i>Npj Vaccines</i> , 2018, 3, 29. | 2.9 | 38 |
| 122 | Development of Antibody Therapeutics against Flaviviruses. <i>International Journal of Molecular Sciences</i> , 2018, 19, 54. | 1.8 | 51 |
| 123 | Zika Virus Envelope Protein induces G2/M Cell Cycle Arrest and Apoptosis via an Intrinsic Cell Death Signaling Pathway in Neuroendocrine PC12 Cells. <i>International Journal of Biological Sciences</i> , 2018, 14, 1099-1108. | 2.6 | 31 |
| 124 | Disruption of glial cell development by Zika virus contributes to severe microcephalic newborn mice. <i>Cell Discovery</i> , 2018, 4, 43. | 3.1 | 47 |
| 125 | Antibody-Dependent Enhancement and Zika: Real Threat or Phantom Menace?. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 44. | 1.8 | 57 |
| 126 | Cleavage-Independent HIV-1 Trimers From CHO Cell Lines Elicit Robust Autologous Tier 2 Neutralizing Antibodies. <i>Frontiers in Immunology</i> , 2018, 9, 1116. | 2.2 | 27 |
| 127 | Potential targets for therapeutic intervention and structure based vaccine design against Zika virus. <i>European Journal of Medicinal Chemistry</i> , 2018, 156, 444-460. | 2.6 | 16 |
| 128 | Modulation of Dengue/Zika Virus Pathogenicity by Antibody-Dependent Enhancement and Strategies to Protect Against Enhancement in Zika Virus Infection. <i>Frontiers in Immunology</i> , 2018, 9, 597. | 2.2 | 97 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 129 | Discovery of Immunologically Inspired Small Molecules That Target the Viral Envelope Protein. ACS Infectious Diseases, 2018, 4, 1395-1406. | 1.8 | 27 |
| 130 | Zika virus vaccines: immune response, current status, and future challenges. Current Opinion in Immunology, 2018, 53, 130-136. | 2.4 | 45 |
| 131 | Rational Engineering and Characterization of an mAb that Neutralizes Zika Virus by Targeting a Mutationally Constrained Quaternary Epitope. Cell Host and Microbe, 2018, 23, 618-627.e6. | 5.1 | 28 |
| 132 | Adenoviral vector type 26 encoding Zika virus (ZIKV) M-Env antigen induces humoral and cellular immune responses and protects mice and nonhuman primates against ZIKV challenge. PLoS ONE, 2018, 13, e0202820. | 1.1 | 45 |
| 133 | Why is congenital Zika syndrome asymmetrically distributed among human populations?. PLoS Biology, 2018, 16, e2006592. | 2.6 | 32 |
| 134 | The Extended Impact of Human Immunodeficiency Virus/AIDS Research. Journal of Infectious Diseases, 2019, 219, 6-9. | 1.9 | 13 |
| 135 | Therapeutic and protective efficacy of a dengue antibody against Zika infection in rhesus monkeys. Nature Medicine, 2018, 24, 721-723. | 15.2 | 46 |
| 136 | Zika Virus Envelope Protein and Antibody Complexes. Sub-Cellular Biochemistry, 2018, 88, 147-168. | 1.0 | 10 |
| 137 | Current status of Zika vaccine development: Zika vaccines advance into clinical evaluation. Npj Vaccines, 2018, 3, 24. | 2.9 | 76 |
| 138 | CD8 T Cell Responses to an Immunodominant Epitope within the Nonstructural Protein NS1 Provide Wide Immunoprotection against Bluetongue Virus in IFNAR ^{−/−} Mice. Journal of Virology, 2018, 92, . | 1.5 | 19 |
| 139 | Recombinant Zika virus envelope protein elicited protective immunity against Zika virus in immunocompetent mice. PLoS ONE, 2018, 13, e0194860. | 1.1 | 41 |
| 140 | Advances in the research and development of therapeutic antibodies against the Zika virus. Cellular and Molecular Immunology, 2019, 16, 96-97. | 4.8 | 10 |
| 141 | Yeast-produced subunit protein vaccine elicits broadly neutralizing antibodies that protect mice against Zika virus lethal infection. Antiviral Research, 2019, 170, 104578. | 1.9 | 15 |
| 142 | Risk of Zika microcephaly correlates with features of maternal antibodies. Journal of Experimental Medicine, 2019, 216, 2302-2315. | 4.2 | 41 |
| 143 | Dengue and Zika Virus Domain III-Flagellin Fusion and Glycan-Masking E Antigen for Prime-Boost Immunization. Theranostics, 2019, 9, 4811-4826. | 4.6 | 14 |
| 144 | Human Polyclonal Antibodies Prevent Lethal Zika Virus Infection in Mice. Scientific Reports, 2019, 9, 9857. | 1.6 | 12 |
| 145 | Zika Virus NS3 Mimics a Cellular 14-3-3-Binding Motif to Antagonize RIG-I and MDA5-Mediated Innate Immunity. Cell Host and Microbe, 2019, 26, 493-503.e6. | 5.1 | 91 |
| 146 | Development of a Potent and Protective Germline-Like Antibody Lineage Against Zika Virus in a Convalescent Human. Frontiers in Immunology, 2019, 10, 2424. | 2.2 | 14 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 147 | Optimization of 1,3-disubstituted urea-based inhibitors of Zika virus infection. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019, 29, 126626. | 1.0 | 8 |
| 148 | A Gorilla Adenovirus-Based Vaccine against Zika Virus Induces Durable Immunity and Confers Protection in Pregnancy. <i>Cell Reports</i> , 2019, 28, 2634-2646.e4. | 2.9 | 19 |
| 149 | Therapeutic Advances Against ZIKV: A Quick Response, a Long Way to Go. <i>Pharmaceuticals</i> , 2019, 12, 127. | 1.7 | 11 |
| 150 | A protective Zika virus E-dimer-based subunit vaccine engineered to abrogate antibody-dependent enhancement of dengue infection. <i>Nature Immunology</i> , 2019, 20, 1291-1298. | 7.0 | 60 |
| 151 | High specificity and sensitivity of Zika EDIII-based ELISA diagnosis highlighted by a large human reference panel. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007747. | 1.3 | 20 |
| 152 | V α 2 T-Cells Kill ZIKV-Infected Cells by NKG2D-Mediated Cytotoxicity. <i>Microorganisms</i> , 2019, 7, 350. | 1.6 | 9 |
| 153 | Virus-Like Particle Systems for Vaccine Development Against Viruses in the Flaviviridae Family. <i>Vaccines</i> , 2019, 7, 123. | 2.1 | 11 |
| 154 | Role of Zika Virus Envelope Protein Domain III as a Target of Human Neutralizing Antibodies. <i>MBio</i> , 2019, 10, . | 1.8 | 26 |
| 155 | Zika Virus Dependence on Host Hsp70 Provides a Protective Strategy against Infection and Disease. <i>Cell Reports</i> , 2019, 26, 906-920.e3. | 2.9 | 81 |
| 156 | CD4+ T cells promote humoral immunity and viral control during Zika virus infection. <i>PLoS Pathogens</i> , 2019, 15, e1007474. | 2.1 | 51 |
| 157 | An anti-Gn glycoprotein antibody from a convalescent patient potently inhibits the infection of severe fever with thrombocytopenia syndrome virus. <i>PLoS Pathogens</i> , 2019, 15, e1007375. | 2.1 | 41 |
| 158 | A Chimeric Zika Virus between Viral Strains MR766 and BeH819015 Highlights a Role for E-glycan Loop in Antibody-mediated Virus Neutralization. <i>Vaccines</i> , 2019, 7, 55. | 2.1 | 22 |
| 159 | Potent neutralizing antibodies elicited by dengue vaccine in rhesus macaque target diverse epitopes. <i>PLoS Pathogens</i> , 2019, 15, e1007716. | 2.1 | 27 |
| 160 | In-depth characterization of congenital Zika syndrome in immunocompetent mice: Antibody-dependent enhancement and an antiviral peptide therapy. <i>EBioMedicine</i> , 2019, 44, 516-529. | 2.7 | 27 |
| 161 | Convalescent patient-derived monoclonal antibodies targeting different epitopes of E protein confer protection against Zika virus in a neonatal mouse model. <i>Emerging Microbes and Infections</i> , 2019, 8, 749-759. | 3.0 | 26 |
| 162 | Zika virus infection: an update. <i>Microbes and Infection</i> , 2019, 21, 353-360. | 1.0 | 58 |
| 163 | Serologic Tools and Strategies to Support Intervention Trials to Combat Zika Virus Infection and Disease. <i>Tropical Medicine and Infectious Disease</i> , 2019, 4, 68. | 0.9 | 11 |
| 164 | Assessing the utility of antivirals for preventing maternal-fetal transmission of zika virus in pregnant mice. <i>Antiviral Research</i> , 2019, 167, 104-109. | 1.9 | 12 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 165 | Human Monoclonal Antibodies Potently Neutralize Zika Virus and Select for Escape Mutations on the Lateral Ridge of the Envelope Protein. <i>Journal of Virology</i> , 2019, 93, . | 1.5 | 12 |
| 166 | <i>Pichia pastoris</i> -expressed Zika virus envelope domain III on a virus-like particle platform: design, production and immunological evaluation. <i>Pathogens and Disease</i> , 2019, 77, . | 0.8 | 19 |
| 167 | Development of Neutralizing Antibodies against Zika Virus Based on Its Envelope Protein Structure. <i>Virologica Sinica</i> , 2019, 34, 168-174. | 1.2 | 12 |
| 168 | Differential human antibody repertoires following Zika infection and the implications for serodiagnostics and disease outcome. <i>Nature Communications</i> , 2019, 10, 1943. | 5.8 | 44 |
| 169 | Structural Basis for Neutralization and Protection by a Zika Virus-Specific Human Antibody. <i>Cell Reports</i> , 2019, 26, 3360-3368.e5. | 2.9 | 24 |
| 170 | Antibodies Elicited by an NS1-Based Vaccine Protect Mice against Zika Virus. <i>MBio</i> , 2019, 10, . | 1.8 | 57 |
| 171 | Genetic and biochemical characterizations of Zika virus NS2A protein. <i>Emerging Microbes and Infections</i> , 2019, 8, 585-602. | 3.0 | 32 |
| 172 | Maternal immunization confers protection against neonatal herpes simplex mortality and behavioral morbidity. <i>Science Translational Medicine</i> , 2019, 11, . | 5.8 | 39 |
| 173 | InÂVivo Delivery of a DNA-Encoded Monoclonal Antibody Protects Non-human Primates against Zika Virus. <i>Molecular Therapy</i> , 2019, 27, 974-985. | 3.7 | 46 |
| 174 | Detecting Vertical Zika Transmission: Emerging Diagnostic Approaches for an Emerged Flavivirus. <i>ACS Infectious Diseases</i> , 2019, 5, 1055-1069. | 1.8 | 7 |
| 175 | The potential contribution of impaired brain glucose metabolism to congenital Zika syndrome. <i>Journal of Anatomy</i> , 2019, 235, 468-480. | 0.9 | 13 |
| 176 | Dengue and Zika Virus Cross-Reactive Human Monoclonal Antibodies Protect against Spondweni Virus Infection and Pathogenesis in Mice. <i>Cell Reports</i> , 2019, 26, 1585-1597.e4. | 2.9 | 18 |
| 177 | Identification of small molecule inhibitors targeting the Zika virus envelope protein. <i>Antiviral Research</i> , 2019, 164, 147-153. | 1.9 | 14 |
| 178 | Transfusion-Transmitted Zika Virus Infection in Pregnant Mice Leads to Broad Tissue Tropism With Severe Placental Damage and Fetal Demise. <i>Frontiers in Microbiology</i> , 2019, 10, 29. | 1.5 | 14 |
| 179 | Human Polyclonal Antibodies Produced from Transchromosomal Bovine Provides Prophylactic and Therapeutic Protections Against Zika Virus Infection in STAT2 KO Syrian Hamsters. <i>Viruses</i> , 2019, 11, 92. | 1.5 | 7 |
| 180 | Impact of pre-existing dengue immunity on human antibody and memory B cell responses to Zika. <i>Nature Communications</i> , 2019, 10, 938. | 5.8 | 44 |
| 181 | Erythromycin Estolate Inhibits Zika Virus Infection by Blocking Viral Entry as a Viral Inactivator. <i>Viruses</i> , 2019, 11, 1064. | 1.5 | 13 |
| 182 | Zika Vaccine Development: Current Status. <i>Mayo Clinic Proceedings</i> , 2019, 94, 2572-2586. | 1.4 | 69 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 183 | Impacts of Zika emergence in Latin America on endemic dengue transmission. <i>Nature Communications</i> , 2019, 10, 5730. | 5.8 | 48 |
| 184 | Pre-Existing Dengue Immunity Drives a DENV-Biased Plasmablast Response in ZIKV-Infected Patient. <i>Viruses</i> , 2019, 11, 19. | 1.5 | 16 |
| 185 | Structural basis of a potent human monoclonal antibody against Zika virus targeting a quaternary epitope. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 1591-1596. | 3.3 | 53 |
| 186 | Zika Virus Vaccine Development: Progress in the Face of New Challenges. <i>Annual Review of Medicine</i> , 2019, 70, 121-135. | 5.0 | 76 |
| 187 | Comprehensive Evaluation of Differential Serodiagnosis between Zika and Dengue Viral Infections. <i>Journal of Clinical Microbiology</i> , 2019, 57, . | 1.8 | 24 |
| 188 | A Biomimetic Nanodecoy Traps Zika Virus To Prevent Viral Infection and Fetal Microcephaly Development. <i>Nano Letters</i> , 2019, 19, 2215-2222. | 4.5 | 69 |
| 189 | Zika Vaccines. , 2019, , 75-88. | | 0 |
| 190 | Exploiting B Cell Receptor Analyses to Inform on HIV-1 Vaccination Strategies. <i>Vaccines</i> , 2020, 8, 13. | 2.1 | 18 |
| 191 | Longitudinal analysis of the antibody repertoire of a Zika virus-infected patient revealed dynamic changes in antibody response. <i>Emerging Microbes and Infections</i> , 2020, 9, 111-123. | 3.0 | 13 |
| 192 | Dengue and Zika Viruses: Epidemiological History, Potential Therapies, and Promising Vaccines. <i>Tropical Medicine and Infectious Disease</i> , 2020, 5, 150. | 0.9 | 41 |
| 193 | Antibodies targeting epitopes on the cell-surface form of NS1 protect against Zika virus infection during pregnancy. <i>Nature Communications</i> , 2020, 11, 5278. | 5.8 | 30 |
| 194 | Protective and enhancing interactions among dengue viruses 1-4 and Zika virus. <i>Current Opinion in Virology</i> , 2020, 43, 59-70. | 2.6 | 41 |
| 195 | Affinity-Restricted Memory B Cells Dominate Recall Responses to Heterologous Flaviviruses. <i>Immunity</i> , 2020, 53, 1078-1094.e7. | 6.6 | 76 |
| 196 | Sofosbuvir shows a protective effect against vertical transmission of Zika virus and the associated congenital syndrome in rhesus monkeys. <i>Antiviral Research</i> , 2020, 182, 104859. | 1.9 | 15 |
| 197 | Immunoglobulin fragment F(ab ²) against RBD potently neutralizes SARS-CoV-2 in vitro. <i>Antiviral Research</i> , 2020, 182, 104868. | 1.9 | 48 |
| 198 | Zika virus envelope nanoparticle antibodies protect mice without risk of disease enhancement. <i>EBioMedicine</i> , 2020, 54, 102738. | 2.7 | 11 |
| 199 | Immune Reactivity of a 20-mer Peptide Representing the Zika E Glycan Loop Involves the Antigenic Determinants E-152/156/158. <i>Viruses</i> , 2020, 12, 1258. | 1.5 | 2 |
| 200 | Zika virus-induced neuro-ocular pathology in immunocompetent mice correlates with anti-ganglioside autoantibodies. <i>Human Vaccines and Immunotherapeutics</i> , 2020, 16, 2092-2108. | 1.4 | 3 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 201 | Intramuscular Delivery of Replicon RNA Encoding ZIKV-117 Human Monoclonal Antibody Protects against Zika Virus Infection. <i>Molecular Therapy - Methods and Clinical Development</i> , 2020, 18, 402-414. | 1.8 | 63 |
| 202 | Chemical proteomics tracks virus entry and uncovers NCAM1 as Zika virus receptor. <i>Nature Communications</i> , 2020, 11, 3896. | 5.8 | 39 |
| 203 | Integrated pipeline for the accelerated discovery of antiviral antibody therapeutics. <i>Nature Biomedical Engineering</i> , 2020, 4, 1030-1043. | 11.6 | 46 |
| 204 | Human mAbs Broadly Protect against Arthritogenic Alphaviruses by Recognizing Conserved Elements of the Mxra8 Receptor-Binding Site. <i>Cell Host and Microbe</i> , 2020, 28, 699-711.e7. | 5.1 | 40 |
| 205 | Mechanism of differential Zika and dengue virus neutralization by a public antibody lineage targeting the DIII lateral ridge. <i>Journal of Experimental Medicine</i> , 2020, 217, . | 4.2 | 26 |
| 206 | Structural Basis of Zika Virus Specific Neutralization in Subsequent Flavivirus Infections. <i>Viruses</i> , 2020, 12, 1346. | 1.5 | 7 |
| 207 | A Human Antibody Neutralizes Different Flaviviruses by Using Different Mechanisms. <i>Cell Reports</i> , 2020, 31, 107584. | 2.9 | 19 |
| 208 | Human monoclonal antibodies against Ross River virus target epitopes within the E2 protein and protect against disease. <i>PLoS Pathogens</i> , 2020, 16, e1008517. | 2.1 | 18 |
| 209 | Immune-profiling of ZIKV-infected patients identifies a distinct function of plasmacytoid dendritic cells for immune cross-regulation. <i>Nature Communications</i> , 2020, 11, 2421. | 5.8 | 6 |
| 210 | Zika Virus. <i>Methods in Molecular Biology</i> , 2020, , . | 0.4 | 0 |
| 211 | Persistent Zika Virus Clinical Susceptibility despite Reduced Viral Burden in Mice with Expanded Virus-Specific CD8+ T Cells Primed by Recombinant <i>Listeria monocytogenes</i> . <i>Journal of Immunology</i> , 2020, 205, 447-453. | 0.4 | 0 |
| 212 | Immunogenicity and Efficacy of Zika Virus Envelope Domain III in DNA, Protein, and ChAdOx1 Adenoviral-Vectored Vaccines. <i>Vaccines</i> , 2020, 8, 307. | 2.1 | 18 |
| 213 | <i>In vivo</i> imaging of Zika virus reveals dynamics of viral invasion in immune-sheltered tissues and vertical propagation during pregnancy. <i>Theranostics</i> , 2020, 10, 6430-6447. | 4.6 | 10 |
| 214 | Current Status of Zika Virus Vaccines: Successes and Challenges. <i>Vaccines</i> , 2020, 8, 266. | 2.1 | 79 |
| 215 | Spondweni virus causes fetal harm in <i>Ifnar1</i> mice and is transmitted by <i>Aedes aegypti</i> mosquitoes. <i>Virology</i> , 2020, 547, 35-46. | 1.1 | 12 |
| 216 | Maternal-Fetal Interplay in Zika Virus Infection and Adverse Perinatal Outcomes. <i>Frontiers in Immunology</i> , 2020, 11, 175. | 2.2 | 33 |
| 217 | Surface chemistry of gold nanoparticles for health-related applications. <i>Chemical Science</i> , 2020, 11, 923-936. | 3.7 | 191 |
| 218 | Analysis of a Therapeutic Antibody Cocktail Reveals Determinants for Cooperative and Broad Ebola Virus Neutralization. <i>Immunity</i> , 2020, 52, 388-403.e12. | 6.6 | 71 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 219 | A new class of broadly neutralizing antibodies that target the glycan loop of Zika virus envelope protein. <i>Cell Discovery</i> , 2020, 6, 5. | 3.1 | 20 |
| 220 | Current Efforts in the Development of Vaccines for the Prevention of Zika and Chikungunya Virus Infections. <i>Frontiers in Immunology</i> , 2020, 11, 592. | 2.2 | 34 |
| 221 | Defeat Dengue and Zika Viruses With a One-Two Punch of Vaccine and Vector Blockade. <i>Frontiers in Microbiology</i> , 2020, 11, 362. | 1.5 | 9 |
| 222 | Homologous prime-boost with Zika virus envelope protein and poly (I:C) induces robust specific humoral and cellular immune responses. <i>Vaccine</i> , 2020, 38, 3653-3664. | 1.7 | 17 |
| 223 | A combination of two human monoclonal antibodies limits fetal damage by Zika virus in macaques. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 7981-7989. | 3.3 | 24 |
| 224 | Structural basis for Zika envelope domain III recognition by a germline version of a recurrent neutralizing antibody. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 9865-9875. | 3.3 | 7 |
| 225 | Recombinant lipidated Zika virus envelope protein domain III elicits durable neutralizing antibody responses against Zika virus in mice. <i>Journal of Biomedical Science</i> , 2020, 27, 51. | 2.6 | 6 |
| 226 | Investigation of the immunogenicity of Zika glycan loop. <i>Virology Journal</i> , 2020, 17, 43. | 1.4 | 9 |
| 227 | Adjacent dimer epitope of envelope protein as an important region for Zika virus serum neutralization: a computational investigation. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 1082-1092. | 2.0 | 1 |
| 228 | Antiviral therapies: advances and perspectives. <i>Fundamental and Clinical Pharmacology</i> , 2021, 35, 305-320. | 1.0 | 30 |
| 229 | ZIKV viral proteins and their roles in virus-host interactions. <i>Science China Life Sciences</i> , 2021, 64, 709-719. | 2.3 | 10 |
| 230 | Hydrogen- ² deuterium exchange mass spectrometry identifies spatially distinct antibody epitopes on domain III of the Zika virus envelope protein. <i>Journal of Mass Spectrometry</i> , 2021, 56, e4685. | 0.7 | 6 |
| 231 | Zika Virus. , 2021, , 41-56. | | 1 |
| 232 | Serological algorithms: How they can be used for differentiating ZIKV from DENV infection. , 2021, , 303-314. | | 0 |
| 233 | The development of human monoclonal antibodies against Zika virus. , 2021, , 359-366. | | 0 |
| 234 | Advancements in mRNA Encoded Antibodies for Passive Immunotherapy. <i>Vaccines</i> , 2021, 9, 108. | 2.1 | 34 |
| 235 | Use of Immunoglobulins in the Prevention of Viral Infections. , 2021, , 267-280. | | 1 |
| 236 | Landscape of Monoclonal Antibodies Targeting Zika and Dengue: Therapeutic Solutions and Critical Insights for Vaccine Development. <i>Frontiers in Immunology</i> , 2020, 11, 621043. | 2.2 | 16 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 237 | Functional Profiling of Antibody Immune Repertoires in Convalescent Zika Virus Disease Patients. <i>Frontiers in Immunology</i> , 2021, 12, 615102. | 2.2 | 15 |
| 238 | Neutralization of Zika virus by E protein domain III-Specific human monoclonal antibody. <i>Biochemical and Biophysical Research Communications</i> , 2021, 545, 33-39. | 1.0 | 6 |
| 239 | A Novel Antigenic Site Spanning Domains I and III of the Zika Virus Envelope Glycoprotein Is the Target of Strongly Neutralizing Human Monoclonal Antibodies. <i>Journal of Virology</i> , 2021, 95, . | 1.5 | 2 |
| 240 | Structural and biochemical insights into flavivirus proteins. <i>Virus Research</i> , 2021, 296, 198343. | 1.1 | 6 |
| 241 | Broad and potent neutralizing human antibodies to tick-borne flaviviruses protect mice from disease. <i>Journal of Experimental Medicine</i> , 2021, 218, . | 4.2 | 25 |
| 242 | Broadly neutralizing monoclonal antibodies protect against multiple tick-borne flaviviruses. <i>Journal of Experimental Medicine</i> , 2021, 218, . | 4.2 | 22 |
| 243 | Potent germline-like monoclonal antibodies: rapid identification of promising candidates for antibody-based antiviral therapy. <i>Antibody Therapeutics</i> , 2021, 4, 89-98. | 1.2 | 0 |
| 244 | A vaccine inducing solely cytotoxic T lymphocytes fully prevents Zika virus infection and fetal damage. <i>Cell Reports</i> , 2021, 35, 109107. | 2.9 | 18 |
| 245 | Identification of naturally processed Zika virus peptides by mass spectrometry and validation of memory T cell recall responses in Zika convalescent subjects. <i>PLoS ONE</i> , 2021, 16, e0252198. | 1.1 | 9 |
| 246 | The key amino acids of E protein involved in early flavivirus infection: viral entry. <i>Virology Journal</i> , 2021, 18, 136. | 1.4 | 26 |
| 247 | Non-human Primate Models to Investigate Mechanisms of Infection-Associated Fetal and Pediatric Injury, Teratogenesis and Stillbirth. <i>Frontiers in Genetics</i> , 2021, 12, 680342. | 1.1 | 13 |
| 248 | Inhalation monoclonal antibody therapy: a new way to treat and manage respiratory infections. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 6315-6332. | 1.7 | 49 |
| 249 | Cinnamic acid inhibits Zika virus by inhibiting RdRp activity. <i>Antiviral Research</i> , 2021, 192, 105117. | 1.9 | 29 |
| 250 | Embryonic and Neonatal Mouse Cochleae Are Susceptible to Zika Virus Infection. <i>Viruses</i> , 2021, 13, 1823. | 1.5 | 0 |
| 251 | Are the Organoid Models an Invaluable Contribution to ZIKA Virus Research?. <i>Pathogens</i> , 2021, 10, 1233. | 1.2 | 6 |
| 252 | Conjugation of Zika virus EDIII with CRM197, 8-arm PEG and mannan for development of an effective Zika virus vaccine. <i>International Journal of Biological Macromolecules</i> , 2021, 190, 713-721. | 3.6 | 7 |
| 253 | Quantum dot-based fluoroassays for Zika. , 2021, , 283-292. | | 0 |
| 254 | Evaluating Zika Virus Pathogenesis in Immunocompromised Mice. <i>Methods in Molecular Biology</i> , 2020, 2142, 23-40. | 0.4 | 1 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 255 | Zika virus infection confers protection against West Nile virus challenge in mice. <i>Emerging Microbes and Infections</i> , 2017, 6, 1-6. | 3.0 | 20 |
| 256 | Potent Zika and dengue cross-neutralizing antibodies induced by Zika vaccination in a dengue-experienced donor. <i>Nature Medicine</i> , 2020, 26, 228-235. | 15.2 | 61 |
| 260 | Human antibody response to Zika targets type-specific quaternary structure epitopes. <i>JCI Insight</i> , 2019, 4, . | 2.3 | 45 |
| 261 | ATG16L1 governs placental infection risk and preterm birth in mice and women. <i>JCI Insight</i> , 2016, 1, e86654. | 2.3 | 47 |
| 262 | Delineating antibody recognition against Zika virus during natural infection. <i>JCI Insight</i> , 2017, 2, . | 2.3 | 61 |
| 263 | Large-scale analysis of B-cell epitopes of envelope: Implications for Zika vaccine and immunotherapeutic development. <i>F1000Research</i> , 2018, 7, 1624. | 0.8 | 4 |
| 264 | A human inferred germline antibody binds to an immunodominant epitope and neutralizes Zika virus. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005655. | 1.3 | 23 |
| 265 | Antigenicity, stability, and reproducibility of Zika reporter virus particles for long-term applications. <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0008730. | 1.3 | 9 |
| 266 | Preconceptual Zika virus asymptomatic infection protects against secondary prenatal infection. <i>PLoS Pathogens</i> , 2017, 13, e1006684. | 2.1 | 22 |
| 267 | Zika virus serological diagnosis: commercial tests and monoclonal antibodies as tools. <i>Journal of Venomous Animals and Toxins Including Tropical Diseases</i> , 2020, 26, e20200019. | 0.8 | 9 |
| 268 | Antibody Therapy for the Control of Viral Diseases: An Update. <i>Current Pharmaceutical Biotechnology</i> , 2019, 20, 1108-1121. | 0.9 | 27 |
| 269 | Differential Neurovirulence of African and Asian Genotype Zika Virus Isolates in Outbred Immunocompetent Mice. <i>American Journal of Tropical Medicine and Hygiene</i> , 2017, 97, 1410-1417. | 0.6 | 49 |
| 270 | Experimental Zika Virus Infection of Neotropical Primates. <i>American Journal of Tropical Medicine and Hygiene</i> , 2018, 98, 173-177. | 0.6 | 38 |
| 271 | Zika Virus Infection during Pregnancy; Maternofetal Risk Assessment, Transmission, Complications, and Management: A Review of the Literature. <i>Archives of Clinical Infectious Diseases</i> , 2018, 13, . | 0.1 | 1 |
| 272 | How Antibodies Recognize Pathogenic Viruses: Structural Correlates of Antibody Neutralization of HIV-1, SARS-CoV-2, and Zika. <i>Viruses</i> , 2021, 13, 2106. | 1.5 | 7 |
| 277 | Large-scale analysis of B-cell epitopes of envelope: Implications for Zika vaccine and immunotherapeutic development. <i>F1000Research</i> , 2018, 7, 1624. | 0.8 | 4 |
| 278 | Zika Fever: Development of Diagnostics, Prevention and Treatment. <i>Problemy Osobo Opasnykh Infektsii</i> , 2019, , 6-13. | 0.2 | 0 |
| 279 | REALM: An Altmetrics-based Framework to Map Science Impacts on Society. A Case Study on Zika Research. , 2019, , . | | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 281 | Current Perspective of Zika Virus and Vaccine Development. Exploratory Research and Hypothesis in Medicine, 2020, 000, 1-9. | 0.1 | 1 |
| 284 | A Plaque Reduction Neutralization Test for the Detection of ZIKV-Specific Antibodies. Methods in Molecular Biology, 2020, 2142, 59-71. | 0.4 | 1 |
| 288 | A platform of assays for the discovery of anti-Zika small-molecules with activity in a 3D-bioprinted outer-blood-retina model. PLoS ONE, 2022, 17, e0261821. | 1.1 | 6 |
| 289 | A single nonsynonymous mutation on ZIKV E protein-coding sequences leads to markedly increased neurovirulence in vivo. Virologica Sinica, 2022, 37, 115-126. | 1.2 | 6 |
| 290 | Human Antibodies for Viral Infections. Annual Review of Immunology, 2022, 40, 349-386. | 9.5 | 23 |
| 291 | Monoclonal Antibody Therapeutics for Infectious Diseases: Beyond Normal Human Immunoglobulin. SSRN Electronic Journal, 0, , . | 0.4 | 0 |
| 292 | Resurfaced ZIKV EDIII nanoparticle immunogens elicit neutralizing and protective responses in vivo. Cell Chemical Biology, 2022, 29, 811-823.e7. | 2.5 | 6 |
| 293 | Analysis of B Cell Receptor Repertoires Reveals Key Signatures of the Systemic B Cell Response after SARS-CoV-2 Infection. Journal of Virology, 2022, 96, JVI0160021. | 1.5 | 24 |
| 294 | Host Molecules Regulating Neural Invasion of Zika Virus and Drug Repurposing Strategy. Frontiers in Microbiology, 2022, 13, 743147. | 1.5 | 11 |
| 295 | Zika Virus Overview: Transmission, Origin, Pathogenesis, Animal Model and Diagnosis. Zoonoses, 2021, 1, . | 0.5 | 10 |
| 296 | Leveraging Allele-Specific Expression for Therapeutic Response Gene Discovery in Glioblastoma. Cancer Research, 2022, 82, 377-390. | 0.4 | 5 |
| 297 | Zika Virus Infection and Pathogenesis. EMJ Microbiology & Infectious Diseases, 0, , . | 0.0 | 0 |
| 309 | Maternal immune protection against infectious diseases. Cell Host and Microbe, 2022, 30, 660-674. | 5.1 | 18 |
| 310 | Zika Virus Envelope Protein Domain III Produced in K. phaffii Has the Potential for Diagnostic Applications. Diagnostics, 2022, 12, 1198. | 1.3 | 2 |
| 311 | Real-time cell analysis: A high-throughput approach for testing SARS-CoV-2 antibody neutralization and escape. STAR Protocols, 2022, 3, 101387. | 0.5 | 8 |
| 312 | Somatic Hypermutation and Framework Mutations of Variable Region Contribute to Anti-Zika Virus-Specific Monoclonal Antibody Binding and Function. Journal of Virology, 2022, , e0007122. | 1.5 | 2 |
| 313 | Phase I Pharmacokinetics Study of Drug «COVID-globulin» (Specific Human Immunoglobulin Against) Tj ETQq0 0.0 rgBT /Overlock 10 | 0.2 | 3 |
| 314 | The Role of Antibodies in the Treatment of SARS-CoV-2 Virus Infection, and Evaluating Their Contribution to Antibody-Dependent Enhancement of Infection. International Journal of Molecular Sciences, 2022, 23, 6078. | 1.8 | 4 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 316 | Monoclonal antibody therapeutics for infectious diseases: Beyond normal human immunoglobulin. , 2022, 240, 108233. | | 9 |
| 317 | A gossypol derivative effectively protects against Zika and dengue virus infection without toxicity. BMC Biology, 2022, 20, . | 1.7 | 3 |
| 318 | Zika virus-like particle vaccine fusion loop mutation increases production yield but fails to protect AG129 mice against Zika virus challenge. PLoS Neglected Tropical Diseases, 2022, 16, e0010588. | 1.3 | 2 |
| 319 | Serological cross-reactivity among common flaviviruses. Frontiers in Cellular and Infection Microbiology, 0, 12, . | 1.8 | 27 |
| 320 | ZIKV-envelope proteins induce specific humoral and cellular immunity in distinct mice strains. Scientific Reports, 2022, 12, . | 1.6 | 3 |
| 321 | Actin cytoskeleton remodeling primes RIG-I-like receptor activation. Cell, 2022, 185, 3588-3602.e21. | 13.5 | 23 |
| 323 | A Zika virus-specific IgM elicited in pregnancy exhibits ultrapotent neutralization. Cell, 2022, 185, 4826-4840.e17. | 13.5 | 11 |
| 324 | Dengue, West Nile, and Zika Viruses: Potential Novel Antiviral Biologics Drugs Currently at Discovery and Preclinical Development Stages. Pharmaceutics, 2022, 14, 2535. | 2.0 | 12 |
| 325 | Clinical and experimental evidence for transplacental vertical transmission of flaviviruses. Antiviral Research, 2023, 210, 105512. | 1.9 | 2 |
| 326 | Vaccination with a Zika virus envelope domain III protein induces neutralizing antibodies and partial protection against Asian genotype in immunocompetent mice. Tropical Medicine and Health, 2022, 50, . | 1.0 | 2 |
| 327 | Mouse models of Zika virus transplacental transmission. Antiviral Research, 2023, 210, 105500. | 1.9 | 1 |
| 328 | A method for mapping the linear epitopes targeted by the natural antibody response to Zika virus infection using a VLP platform technology. Virology, 2023, 579, 101-110. | 1.1 | 3 |
| 329 | The safety and immunogenicity of two Zika virus mRNA vaccine candidates in healthy flavivirus baseline seropositive and seronegative adults: the results of two randomised, placebo-controlled, dose-ranging, phase 1 clinical trials. Lancet Infectious Diseases, The, 2023, 23, 621-633. | 4.6 | 23 |
| 330 | Characterization of Live-Attenuated Powassan Virus Vaccine Candidates Identifies an Efficacious Prime-Boost Strategy for Mitigating Powassan Virus Disease in a Murine Model. Vaccines, 2023, 11, 612. | 2.1 | 3 |
| 331 | Diagnostic and vaccine potential of Zika virus envelope protein (E) derivatives produced in bacterial and insect cells. Frontiers in Immunology, 0, 14, . | 2.2 | 1 |
| 332 | Plant-Produced Anti-Zika Virus Monoclonal Antibody Glycovariant Exhibits Abrogated Antibody-Dependent Enhancement of Infection. Vaccines, 2023, 11, 755. | 2.1 | 4 |
| 333 | An optimized messenger RNA vaccine candidate protects non-human primates from Zika virus infection. Npj Vaccines, 2023, 8, . | 2.9 | 7 |
| 336 | Diagnoses, Treatments, Vaccines. Risk, Systems and Decisions, 2023, , 303-337. | 0.5 | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|----|-----------|
| 338 | Passive Immunization. , 2023, , 100-112.e11. | | 0 |
| 339 | Zika Virus Vaccines. , 2023, , 1322-1333.e7. | | 0 |