# Gong Cheng

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 54 papers | 2,779 citations | 201674 27 h-index | 189892 50 g-index |
| 57 all docs | 57 docs citations | 57 times ranked | 3867 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Zika Virus Infection in the Ovary Induces a Continuously Elevated Progesterone Level and Compromises Conception in Interferon Alpha/Beta Receptor-Deficient Mice. Journal of Virology, 2022, 96, JVI0118921. | 3.4 | 5 |
| 2 | GP73 is a glucogenic hormone contributing to SARS-CoV-2-induced hyperglycemia. Nature Metabolism, 2022, 4, 29-43. | 11.9 | 37 |
| 3 | Host immunity and vaccine development against Dengue virus. , 2022, , . | | 3 |
| 4 | Adaptive Evolution as a Driving Force of the Emergence and Re-Emergence of Mosquito-Borne Viral Diseases. Viruses, 2022, 14, 435. | 3.3 | 10 |
| 5 | A glucose-like metabolite deficient in diabetes inhibits cellular entry of SARS-CoV-2. Nature Metabolism, 2022, 4, 547-558. | 11.9 | 14 |
| 6 | Development of a ferritin-based nanoparticle vaccine against the SARS-CoV-2 Omicron variant. Signal Transduction and Targeted Therapy, 2022, 7, . | 17.1 | 11 |
| 7 | Lipases secreted by a gut bacterium inhibit arbovirus transmission in mosquitoes. PLoS Pathogens, 2022, 18, e1010552. | 4.7 | 8 |
| 8 | A volatile from the skin microbiota of flavivirus-infected hosts promotes mosquito attractiveness. Cell, 2022, 185, 2510-2522.e16. | 28.9 | 36 |
| 9 | A Retinol Derivative Inhibits SARS-CoV-2 Infection by Interrupting Spike-Mediated Cellular Entry. MBio, 2022, 13, . | 4.1 | 14 |
| 10 | Rapamycin inhibits pathogen transmission in mosquitoes by promoting immune activation. PLoS Pathogens, 2021, 17, e1009353. | 4.7 | 11 |
| 11 | Interaction of Viruses with the Insect Intestine. Annual Review of Virology, 2021, 8, 115-131. | 6.7 | 26 |
| 12 | A mutation-mediated evolutionary adaptation of Zika virus in mosquito and mammalian host. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, . | 7.1 | 19 |
| 13 | GP73 is a TBC-domain Rab GTPase-activating protein contributing to the pathogenesis of non-alcoholic fatty liver disease without obesity. Nature Communications, 2021, 12, 7004. | 12.8 | 10 |
| 14 | A human-blood-derived microRNA facilitates flavivirus infection in fed mosquitoes. Cell Reports, 2021, 37, 110091. | 6.4 | 13 |
| 15 | Macrophage scavenger receptor 1 controls Chikungunya virus infection through autophagy in mice. Communications Biology, 2020, 3, 556. | 4.4 | 18 |
| 16 | Susceptibility and interactions between Aedes mosquitoes and Zika viruses. Insect Science, 2020, 28, 1439-1451. | 3.0 | 7 |
| 17 | Roles of Symbiotic Microorganisms in Arboviral Infection of Arthropod Vectors. Trends in Parasitology, 2020, 36, 607-615. | 3.3 | 22 |
| 18 | A mosquito salivary protein promotes flavivirus transmission by activation of autophagy. Nature Communications, 2020, 11, 260. | 12.8 | 76 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Defeat Dengue and Zika Viruses With a One-Two Punch of Vaccine and Vector Blockade. Frontiers in Microbiology, 2020, 11, 362. | 3.5 | 9 |
| 20 | Insect C-Type Lectins in Microbial Infections. Advances in Experimental Medicine and Biology, 2020, 1204, 129-140. | 1.6 | 12 |
| 21 | Prognostic significance of postoperative complication after curative resection for patients with gastric cancer. Journal of Cancer Research and Therapeutics, 2020, 16, 1611. | 0.9 | 6 |
| 22 | Evaluation of environment safety of a Japanese encephalitis live attenuated vaccine. Biologicals, 2019, 60, 36-41. | 1.4 | 5 |
| 23 | Progress towards Understanding the Mosquito-Borne Virus Life Cycle. Trends in Parasitology, 2019, 35, 1009-1017. | 3.3 | 21 |
| 24 | Host serum iron modulates dengue virus acquisition by mosquitoes. Nature Microbiology, 2019, 4, 2405-2415. | 13.3 | 49 |
| 25 | Development of a dual-functional conjugate of antigenic peptide and Fc-III mimetics (DCAF) for targeted antibody blocking. Chemical Science, 2019, 10, 3271-3280. | 7.4 | 12 |
| 26 | Aedes mosquitoes acquire and transmit Zika virus by breeding in contaminated aquatic environments. Nature Communications, 2019, 10, 1324. | 12.8 | 41 |
| 27 | Arbovirus lifecycle in mosquito: acquisition, propagation and transmission. Expert Reviews in Molecular Medicine, 2019, 21, e1. | 3.9 | 38 |
| 28 | A Gut Commensal Bacterium Promotes Mosquito Permissiveness to Arboviruses. Cell Host and Microbe, 2019, 25, 101-112.e5. | 11.0 | 154 |
| 29 | Salivary factor LTRIN from Aedes aegypti facilitates the transmission of Zika virus by interfering with the lymphotoxin-Î² receptor. Nature Immunology, 2018, 19, 342-353. | 14.5 | 81 |
| 30 | Development of a chimeric Zika vaccine using a licensed live-attenuated flavivirus vaccine as backbone. Nature Communications, 2018, 9, 673. | 12.8 | 84 |
| 31 | UBXN3B positively regulates STING-mediated antiviral immune responses. Nature Communications, 2018, 9, 2329. | 12.8 | 50 |
| 32 | A Meshâ€“Duox pathway regulates homeostasis in the insect gut. Nature Microbiology, 2017, 2, 17020. | 13.3 | 110 |
| 33 | Evolutionary enhancement of Zika virus infectivity in Aedes aegypti mosquitoes. Nature, 2017, 545, 482-486. | 27.8 | 318 |
| 34 | Blood meal acquisition enhances arbovirus replication in mosquitoes through activation of the GABAergic system. Nature Communications, 2017, 8, 1262. | 12.8 | 45 |
| 35 | Progress towards understanding the pathogenesis of dengue hemorrhagic fever. Virologica Sinica, 2017, 32, 16-22. | 3.0 | 53 |
| 36 | Regulation of Antimicrobial Peptides in Aedes aegypti Aag2 Cells. Frontiers in Cellular and Infection Microbiology, 2017, 7, 22. | 3.9 | 41 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Delineating antibody recognition against Zika virus during natural infection. JCI Insight, 2017, 2, . | 5.0 | 61 |
| 38 | Molecular determinants of human neutralizing antibodies isolated from a patient infected with Zika virus. Science Translational Medicine, 2016, 8, 369ra179. | 12.4 | 194 |
| 39 | Techniques for Experimental Infection of Mosquitoes with West Nile Virus. Methods in Molecular Biology, 2016, 1435, 151-163. | 0.9 | 2 |
| 40 | Vaccines and immunization strategies for dengue prevention. Emerging Microbes and Infections, 2016, 5, 1-6. | 6.5 | 50 |
| 41 | Rapid and sensitive detection of Zika virus by reverse transcription loop-mediated isothermal amplification. Journal of Virological Methods, 2016, 238, 86-93. | 2.1 | 63 |
| 42 | Flavivirus NS1 protein in infected host sera enhances viral acquisition by mosquitoes. Nature Microbiology, 2016, 1, 16087. | 13.3 | 127 |
| 43 | Mosquito C-type lectins maintain gut microbiome homeostasis. Nature Microbiology, 2016, 1, . | 13.3 | 126 |
| 44 | Mosquito Defense Strategies against Viral Infection. Trends in Parasitology, 2016, 32, 177-186. | 3.3 | 154 |
| 45 | The Roles of Direct Recognition by Animal Lectins in Antiviral Immunity and Viral Pathogenesis. Molecules, 2015, 20, 2272-2295. | 3.8 | 47 |
| 46 | Vector-Borne Viral Diseases. BioMed Research International, 2015, 2015, 1-1. | 1.9 | 0 |
| 47 | A Neuron-Specific Antiviral Mechanism Prevents Lethal Flaviviral Infection of Mosquitoes. PLoS Pathogens, 2015, 11, e1004848. | 4.7 | 27 |
| 48 | Transmission-Blocking Antibodies against Mosquito C-Type Lectins for Dengue Prevention. PLoS Pathogens, 2014, 10, e1003931. | 4.7 | 87 |
| 49 | Complement-Related Proteins Control the Flavivirus Infection of Aedes aegypti by Inducing Antimicrobial Peptides. PLoS Pathogens, 2014, 10, e1004027. | 4.7 | 102 |
| 50 | IL-22 Signaling Contributes to West Nile Encephalitis Pathogenesis. PLoS ONE, 2012, 7, e44153. | 2.5 | 65 |
| 51 | An In Vivo Transfection Approach Elucidates a Role for Aedes aegypti Thioester-Containing Proteins in Flaviviral Infection. PLoS ONE, 2011, 6, e22786. | 2.5 | 42 |
| 52 | A C-Type Lectin Collaborates with a CD45 Phosphatase Homolog to Facilitate West Nile Virus Infection of Mosquitoes. Cell, 2010, 142, 714-725. | 28.9 | 151 |
| 53 | Identification of a Putative Invertebrate Helical Cytokine Similar to the Ciliary Neurotrophic Factor/Leukemia Inhibitory Factor Family by PSI-BLAST-Based Approach. Journal of Interferon and Cytokine Research, 2009, 29, 461-468. | 1.2 | 8 |
| 54 | Diabetes and COVID-19, a link revealed. , 0, , . | | 0 |