

# Feng Gao

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1870206/publications.pdf>

Version: 2024-02-01

261  
papers

19,368  
citations

17440

63  
h-index

13771

129  
g-index

284  
all docs

284  
docs citations

284  
times ranked

17843  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | An Effective Preprocessing Method for High-Quality Pan-Genome Analysis of <i>Bacillus subtilis</i> and <i>Escherichia coli</i> . <i>Methods in Molecular Biology</i> , 2022, 2377, 371-390.  | 0.9  | 1         |
| 2  | Predicting crop root concentration factors of organic contaminants with machine learning models. <i>Journal of Hazardous Materials</i> , 2022, 424, 127437.  | 12.4 | 16        |
| 3  | First demonstration of the FLASH effect with ultrahigh dose rate high-energy X-rays. <i>Radiotherapy and Oncology</i> , 2022, 166, 44-50.  | 0.6  | 40        |
| 4  | CdTe QDs@ZIF-8 composite-based recyclable ratiometric fluorescent sensor for rapid and sensitive detection of chlortetracycline. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 270, 120785.         | 3.9  | 19        |
| 5  | Genetic analysis of a SARS-CoV-2 Omicron variant from a Chinese traveller returning from overseas. <i>Emerging Microbes and Infections</i> , 2022, 11, 306-309.  | 6.5  | 9         |
| 6  | Identification and characterization of a central replication origin of the mega-plasmid pSCATT of <i>Streptomyces cattleya</i> . <i>Microbiological Research</i> , 2022, 257, 126975.  | 5.3  | 2         |
| 7  | The role of three-dimensional MRI in the differentiation between angular pregnancy and interstitial pregnancy. <i>BMC Pregnancy and Childbirth</i> , 2022, 22, 133.  | 2.4  | 8         |
| 8  | Vaccine with bacterium-like particles displaying HIV-1 gp120 trimer elicits specific mucosal responses and neutralizing antibodies in rhesus macaques. <i>Microbial Biotechnology</i> , 2022, 15, 2022-2039.                               | 4.2  | 5         |
| 9  | SARS-CoV-2 variant B.1.1.7 caused HLA-A2+ CD8+ T cell epitope mutations for impaired cellular immune response. <i>IScience</i> , 2022, 25, 103934.   | 4.1  | 7         |
| 10 | Development of Neutralization Breadth against Diverse HIV-1 by Increasing Ab-Ag Interface on V2. <i>Advanced Science</i> , 2022, , 2200063.  | 11.2 | 3         |
| 11 | EK1 with dual Q1004E/N1006I mutation: a promising fusion inhibitor for the HR1 domain of SARS-CoV-2. <i>Journal of Infection</i> , 2022, 84, 579-613.  | 3.3  | 2         |
| 12 | GC-Profile 2.0: an extended web server for the prediction and visualization of CpG islands. <i>Bioinformatics</i> , 2022, 38, 1738-1740.   | 4.1  | 3         |
| 13 | Interferon Inhibition Enhances the Pilot-Scale Production of Rabies Virus in Human Diploid MRC-5 Cells. <i>Viruses</i> , 2022, 14, 49.   | 3.3  | 6         |
| 14 | Editorial: Insights in Evolutionary and Genomic Microbiology: 2021. <i>Frontiers in Microbiology</i> , 2022, 13, .   | 3.5  | 1         |
| 15 | High-quality pan-genome of <i>Escherichia coli</i> generated by excluding confounding and highly similar strains reveals an association between unique gene clusters and genomic islands. <i>Briefings in Bioinformatics</i> , 2022, 23, . | 6.5  | 5         |
| 16 | Toward a high-quality pan-genome landscape of <i>Bacillus subtilis</i> by removal of confounding strains. <i>Briefings in Bioinformatics</i> , 2021, 22, 1951-1971.  | 6.5  | 46        |
| 17 | DEG 15, an update of the Database of Essential Genes that includes built-in analysis tools. <i>Nucleic Acids Research</i> , 2021, 49, D677-D686.   | 14.5 | 119       |
| 18 | Database Resources of the National Genomics Data Center, China National Center for Bioinformation in 2021. <i>Nucleic Acids Research</i> , 2021, 49, D18-D28.  | 14.5 | 168       |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 19 | Ori-Finder 3: a web server for genome-wide prediction of replication origins in <i>Saccharomyces cerevisiae</i> . <i>Briefings in Bioinformatics</i> , 2021, 22, .  | 6.5  | 7         |
| 20 | Crumbs proteins stabilize the cone mosaics of photoreceptors and improve vision in zebrafish. <i>Journal of Genetics and Genomics</i> , 2021, 48, 52-62.  | 3.9  | 1         |
| 21 | Endovascular revascularization of chronically occluded vertebral artery: single-center experience. <i>Wideochirurgia I Inne Techniki Maloinwazyjne</i> , 2021, 16, 211-218.   | 0.7  | 1         |
| 22 | An overview of potential inhibitors targeting non-structural proteins 3 (PLpro and Mac1) and 5 (3CLpro/Mpro) of SARS-CoV-2. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 4868-4883.              | 4.1  | 39        |
| 23 | Comparison of the binding characteristics of SARS-CoV and SARS-CoV-2 RBDs to ACE2 at different temperatures by MD simulations. <i>Briefings in Bioinformatics</i> , 2021, 22, 1122-1136.                                  | 6.5  | 26        |
| 24 | Position preference of essential genes in prokaryotic operons. <i>PLoS ONE</i> , 2021, 16, e0250380.  | 2.5  | 3         |
| 25 | Mutations that confer resistance to broadly-neutralizing antibodies define HIV-1 variants of transmitting mothers from that of non-transmitting mothers. <i>PLoS Pathogens</i> , 2021, 17, e1009478.                      | 4.7  | 5         |
| 26 | Different evolutionary pathways of HIV-1 between fetus and mother perinatal transmission pairs indicate unique immune selection in fetuses. <i>Cell Reports Medicine</i> , 2021, 2, 100315.                               | 6.5  | 2         |
| 27 | Evidence for a chromosome origin unwinding system broadly conserved in bacteria. <i>Nucleic Acids Research</i> , 2021, 49, 7525-7536.   | 14.5 | 12        |
| 28 | Data-driven identification of SARS-CoV-2 subpopulations using PhenoGraph and binary-coded genomic data. <i>Briefings in Bioinformatics</i> , 2021, 22, .  | 6.5  | 5         |
| 29 | Hyperglycemic hemifacial spasm: A case report. <i>CNS Neuroscience and Therapeutics</i> , 2021, 27, 1614-1616.  | 3.9  | 2         |
| 30 | Protective Effect of Oxytocin on Ventilator-Induced Lung Injury Through NLRP3-Mediated Pathways. <i>Frontiers in Pharmacology</i> , 2021, 12, 722907.   | 3.5  | 5         |
| 31 | Distinct mechanisms of long-term virologic control in two HIV-infected individuals after treatment interruption of anti-retroviral therapy. <i>Nature Medicine</i> , 2021, 27, 1893-1898.                                 | 30.7 | 23        |
| 32 | Lupus gut microbiota transplants cause autoimmunity and inflammation. <i>Clinical Immunology</i> , 2021, 233, 108892.   | 3.2  | 25        |
| 33 | Direct Prediction of Bioaccumulation of Organic Contaminants in Plant Roots from Soils with Machine Learning Models Based on Molecular Structures. <i>Environmental Science &amp; Technology</i> , 2021, 55, 16358-16368. | 10.0 | 25        |
| 34 | Database Resources of the National Genomics Data Center in 2020. <i>Nucleic Acids Research</i> , 2020, 48, D24-D33.   | 14.5 | 165       |
| 35 | Reduction of peak viremia by an integration-defective SIV proviral DNA vaccine in rhesus macaques. <i>Microbiology and Immunology</i> , 2020, 64, 52-62.  | 1.4  | 1         |
| 36 | Early elevated neutrophil-to-lymphocyte ratio associated with remote diffusion-weighted imaging lesions in acute intracerebral hemorrhage. <i>CNS Neuroscience and Therapeutics</i> , 2020, 26, 430-437.                  | 3.9  | 9         |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 37 | Detection of Donor's HIV Strain in HIV-Positive Kidney-Transplant Recipient. <i>New England Journal of Medicine</i> , 2020, 382, 195-197.   | 27.0 | 24        |
| 38 | Accumulated mutations by 6 months of infection collectively render transmitted/founder HIV-1 significantly less fit. <i>Journal of Infection</i> , 2020, 80, 210-218.   | 3.3  | 5         |
| 39 | HIV-1 diversity and compartmentalization in urine, semen, and blood. <i>Medicine (United States)</i> , 2020, 99, e23063.  | 1.0  | 5         |
| 40 | Streamlined Subpopulation, Subtype, and Recombination Analysis of HIV-1 Half-Genome Sequences Generated by High-Throughput Sequencing. <i>MSphere</i> , 2020, 5, .  | 2.9  | 1         |
| 41 | &lt;p&gt;Loratadine Alleviates Advanced Glycation End Product-Induced Activation of NLRP3 Inflammasome in Human Chondrocytes&lt;/p&gt;. <i>Drug Design, Development and Therapy</i> , 2020, Volume 14, 2899-2908. | 4.3  | 13        |
| 42 | External Quality Assessment for Next-Generation Sequencing-Based HIV Drug Resistance Testing: Unique Requirements and Challenges. <i>Viruses</i> , 2020, 12, 550.   | 3.3  | 13        |
| 43 | External Quality Assessment Program for Next-Generation Sequencing-Based HIV Drug Resistance Testing: Logistical Considerations. <i>Viruses</i> , 2020, 12, 556.  | 3.3  | 7         |
| 44 | Long non-coding RNA DSCAM-AS1 upregulates <i>USP47</i> expression through sponging miR-101-3p to accelerate osteosarcoma progression. <i>Biochemistry and Cell Biology</i> , 2020, 98, 600-611.                   | 2.0  | 13        |
| 45 | Maternal Broadly Neutralizing Antibodies Can Select for Neutralization-Resistant, Infant-Transmitted/Founder HIV Variants. <i>MBio</i> , 2020, 11, .  | 4.1  | 25        |
| 46 | Emergence of SARS-CoV-2 through recombination and strong purifying selection. <i>Science Advances</i> , 2020, 6, .  | 10.3 | 307       |
| 47 | A systematic strategy for the investigation of vaccines and drugs targeting bacteria. <i>Computational and Structural Biotechnology Journal</i> , 2020, 18, 1525-1538.  | 4.1  | 13        |
| 48 | Teneligliptin inhibits IL-1 $\beta$ -induced degradation of extracellular matrix in human chondrocytes. <i>Journal of Cellular Biochemistry</i> , 2020, 121, 4450-4457.   | 2.6  | 5         |
| 49 | Induction of Neutralizing Responses against Autologous Virus in Maternal HIV Vaccine Trials. <i>MSphere</i> , 2020, 5, .  | 2.9  | 2         |
| 50 | HIV-1 did not contribute to the 2019-nCoV genome. <i>Emerging Microbes and Infections</i> , 2020, 9, 378-381.   | 6.5  | 38        |
| 51 | Development of Antibodies with Broad Neutralization Specificities against HIV-1 after Long Term SHIV Infection in Macaques. <i>Viruses</i> , 2020, 12, 163.   | 3.3  | 6         |
| 52 | An HIV-1 vaccine based on bacterium-like particles elicits Env-specific mucosal immune responses. <i>Immunology Letters</i> , 2020, 222, 29-39.   | 2.5  | 14        |
| 53 | Comparative genomics analysis of <i>Acinetobacter haemolyticus</i> isolates from sputum samples of respiratory patients. <i>Genomics</i> , 2020, 112, 2784-2793.  | 2.9  | 11        |
| 54 | miRNA-101 promotes chondrogenic differentiation in rat bone marrow mesenchymal stem cells. <i>Experimental and Therapeutic Medicine</i> , 2019, 17, 175-180.  | 1.8  | 8         |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 55 | P2Y11 receptor antagonist NF340 ameliorates inflammation in human fibroblast-like synoviocytes: An implication in rheumatoid arthritis. <i>IUBMB Life</i> , 2019, 71, 1552-1560.  | 3.4  | 3         |
| 56 | Î²-Catenin Controls the Electrophysiologic Properties of Skeletal Muscle Cells by Regulating the Î±2 Isoform of Na <sup>+</sup> /K <sup>+</sup> -ATPase. <i>Frontiers in Neuroscience</i> , 2019, 13, 831.                      | 2.8  | 4         |
| 57 | Comprehensive Analysis of Replication Origins in <i>Saccharomyces cerevisiae</i> Genomes. <i>Frontiers in Microbiology</i> , 2019, 10, 2122.  | 3.5  | 11        |
| 58 | CD200Fc Improves Neurological Function by Protecting the Blood-brain Barrier after Intracerebral Hemorrhage. <i>Cell Transplantation</i> , 2019, 28, 1321-1328.   | 2.5  | 9         |
| 59 | The effect of autonomously replicating sequences on gene expression in <i>saccharomyces cerevisiae</i> . <i>Biochemical Engineering Journal</i> , 2019, 149, 107250.  | 3.6  | 8         |
| 60 | Determination of the cleavage site of enterovirus 71 VP0 and the effect of this cleavage on viral infectivity and assembly. <i>Microbial Pathogenesis</i> , 2019, 134, 103568.  | 2.9  | 15        |
| 61 | Thrombin disrupts vascular endothelial-cadherin and leads to hydrocephalus via protease-activated receptors-1 pathway. <i>CNS Neuroscience and Therapeutics</i> , 2019, 25, 1142-1150.  | 3.9  | 15        |
| 62 | Exosome-Mediated Delivery of Inducible miR-423-5p Enhances Resistance of MRC-5 Cells to Rabies Virus Infection. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1537.  | 4.1  | 18        |
| 63 | Salicin inhibits AGE-induced degradation of type II collagen and aggrecan in human SW1353 chondrocytes: therapeutic potential in osteoarthritis. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2019, 47, 1043-1049. | 2.8  | 30        |
| 64 | Quantitative analysis and assessment of base composition asymmetry and gene orientation bias in bacterial genomes. <i>FEBS Letters</i> , 2019, 593, 918-925.  | 2.8  | 6         |
| 65 | Determination of neutralization activities by a new versatile assay using an HIV-1 genome carrying the <i>Gussia luciferase</i> gene. <i>Journal of Virological Methods</i> , 2019, 267, 22-28.                                 | 2.1  | 4         |
| 66 | Exosomes Released from Rabies Virus-Infected Cells May be Involved in the Infection Process. <i>Virologica Sinica</i> , 2019, 34, 59-65.  | 3.0  | 18        |
| 67 | Editorial: DNA Replication Origins in Microbial Genomes, Volume 2. <i>Frontiers in Microbiology</i> , 2019, 10, 2416.   | 3.5  | 1         |
| 68 | Long non-coding RNA GASL1 inhibits proliferation and invasion of osteosarcoma cells via modulation of the PI3K/Akt pathway. <i>Archives of Medical Science</i> , 2019, , .  | 0.9  | 0         |
| 69 | Pan-genomic analysis provides novel insights into the association of <i>E.coli</i> with human host and its minimal genome. <i>Bioinformatics</i> , 2019, 35, 1987-1991.   | 4.1  | 22        |
| 70 | DoriC 10.0: an updated database of replication origins in prokaryotic genomes including chromosomes and plasmids. <i>Nucleic Acids Research</i> , 2019, 47, D74-D77.  | 14.5 | 91        |
| 71 | Database Resources of the BIG Data Center in 2019. <i>Nucleic Acids Research</i> , 2019, 47, D8-D14.  | 14.5 | 157       |
| 72 | Reversible splenic lesion syndrome in children with benign convulsions associated with mild gastroenteritis: A retrospective study of five cases. <i>Brain and Development</i> , 2019, 41, 271-275.                             | 1.1  | 4         |

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 73 | Global and regional molecular epidemiology of HIV-1, 1990–2015: a systematic review, global survey, and trend analysis. <i>Lancet Infectious Diseases</i> , 2019, 19, 143-155.   | 9.1  | 255       |
| 74 | TPO-Ab plays a role in arterial remodeling in patients with intracranial stenosis. <i>Atherosclerosis</i> , 2019, 280, 140-146.  | 0.8  | 5         |
| 75 | Recent development of Ori-Finder system and DoriC database for microbial replication origins. <i>Briefings in Bioinformatics</i> , 2019, 20, 1114-1124.  | 6.5  | 54        |
| 76 | Recent developments of software and database in microbial genomics and functional genomics. <i>Briefings in Bioinformatics</i> , 2019, 20, 732-734.  | 6.5  | 4         |
| 77 | Increased predominance of HIV-1 CRF01_AE and its recombinants in the Philippines. <i>Journal of General Virology</i> , 2019, 100, 511-522.   | 2.9  | 14        |
| 78 | Variable epilepsy phenotypes associated with heterozygous mutation in the SCN9A gene: report of two cases. <i>Neurological Sciences</i> , 2018, 39, 1113-1115.   | 1.9  | 17        |
| 79 | The systematic analysis of ultraconserved genomic regions in the budding yeast. <i>Bioinformatics</i> , 2018, 34, 361-366.   | 4.1  | 1         |
| 80 | Development of broad neutralization activity in simian/human immunodeficiency virus-infected rhesus macaques after long-term infection. <i>Aids</i> , 2018, 32, 555-563.   | 2.2  | 17        |
| 81 | Recombinational DSBs-intersected genes converge on specific disease- and adaptability-related pathways. <i>Bioinformatics</i> , 2018, 34, 3421-3426.   | 4.1  | 1         |
| 82 | Novel intranasal pertussis vaccine based on bacterium-like particles as a mucosal adjuvant. <i>Immunology Letters</i> , 2018, 198, 26-32.  | 2.5  | 16        |
| 83 | Completeness of HIV-1 Envelope Glycan Shield at Transmission Determines Neutralization Breadth. <i>Cell Reports</i> , 2018, 25, 893-908.e7.  | 6.4  | 91        |
| 84 | Selection and environmental adaptation along a path to speciation in the Tibetan frog <i>Nanorana parkeri</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E5056-E5065.             | 7.1  | 49        |
| 85 | Tracking HIV-1 recombination to resolve its contribution to HIV-1 evolution in natural infection. <i>Nature Communications</i> , 2018, 9, 1928.  | 12.8 | 83        |
| 86 | Association of Renal Dysfunction With Remote Diffusion-Weighted Imaging Lesions and Total Burden of Cerebral Small Vessel Disease in Patients With Primary Intracerebral Hemorrhage. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 171. | 3.4  | 8         |
| 87 | Factors Associated With Remote Diffusion-Weighted Imaging Lesions in Spontaneous Intracerebral Hemorrhage. <i>Frontiers in Neurology</i> , 2018, 9, 209.   | 2.4  | 13        |
| 88 | Antiviral Effects of ABMA against Herpes Simplex Virus Type 2 In Vitro and In Vivo. <i>Viruses</i> , 2018, 10, 119.  | 3.3  | 25        |
| 89 | Comparison of immunogenicity, efficacy and transcriptome changes of inactivated rabies virus vaccine with different adjuvants. <i>Vaccine</i> , 2018, 36, 5020-5029.   | 3.8  | 23        |
| 90 | Antisense-Derived HIV-1 Cryptic Epitopes Are Not Major Drivers of Viral Evolution during the Acute Phase of Infection. <i>Journal of Virology</i> , 2018, 92, .  | 3.4  | 3         |

| #   | ARTICLE   | IF   | CITATIONS |
|-----|---|------|-----------|
| 91  | Structure of tRNA-Modifying Enzyme TiaS and Motions of Its Substrate Binding Zinc Ribbon. <i>Journal of Molecular Biology</i> , 2018, 430, 4183-4194.   | 4.2  | 2         |
| 92  | Infant transmitted/founder HIV-1 viruses from peripartum transmission are neutralization resistant to paired maternal plasma. <i>PLoS Pathogens</i> , 2018, 14, e1006944.   | 4.7  | 29        |
| 93  | Antiviral Effect of Retro-2.1 against Herpes Simplex Virus Type 2 In Vitro. <i>Journal of Microbiology and Biotechnology</i> , 2018, 28, 849-859.   | 2.1  | 16        |
| 94  | Performance of Homologous and Heterologous Prime-Boost Immunization Regimens of Recombinant Adenovirus and Modified Vaccinia Virus Ankara Expressing an Ag85B-TB10.4 Fusion Protein against <i>Mycobacterium tuberculosis</i> . <i>Journal of Microbiology and Biotechnology</i> , 2018, 28, 1022-1029. | 2.1  | 2         |
| 95  | Zisland Explorer: detect genomic islands by combining homogeneity and heterogeneity properties. <i>Briefings in Bioinformatics</i> , 2017, 18, bbw019.  | 6.5  | 43        |
| 96  | Antibodyâ€viral coâ€evolution in <scp>HIV</scp> infection: paths for <scp>HIV</scp> vaccine development. <i>Immunological Reviews</i> , 2017, 275, 145-160.   | 6.0  | 160       |
| 97  | Bug mapping and fitness testing of chemically synthesized chromosome X. <i>Science</i> , 2017, 355, .   | 12.6 | 173       |
| 98  | Deep functional analysis of synII, a 770-kilobase synthetic yeast chromosome. <i>Science</i> , 2017, 355, .   | 12.6 | 163       |
| 99  | Potent and broad HIV-neutralizing antibodies in memory B cells and plasma. <i>Science Immunology</i> , 2017, 2, .   | 11.9 | 119       |
| 100 | Therapeutic potential of an anti-high mobility group box-1 monoclonal antibody in epilepsy. <i>Brain, Behavior, and Immunity</i> , 2017, 64, 308-319.   | 4.1  | 90        |
| 101 | Evaluation of recombinant adenovirus vaccines based on glycoprotein D and truncated UL25 against herpes simplex virus type 2 in mice. <i>Microbiology and Immunology</i> , 2017, 61, 176-184.   | 1.4  | 5         |
| 102 | Identification of novel genes associated with fracture healing in osteoporosis induced by Krm2 overexpression or Lrp5 deficiency. <i>Molecular Medicine Reports</i> , 2017, 15, 3969-3976.  | 2.4  | 7         |
| 103 | Comparative genomics and metabolomics analyses of the adaptation mechanism in <i>Ketogulonicigenium vulgare</i> - <i>Bacillus thuringiensis</i> consortium. <i>Scientific Reports</i> , 2017, 7, 46759.   | 3.3  | 11        |
| 104 | Depolarized GABAergic Signaling in Subicular Microcircuits Mediates Generalized Seizure in Temporal Lobe Epilepsy. <i>Neuron</i> , 2017, 95, 92-105.e5.   | 8.1  | 97        |
| 105 | Staged induction of HIV-1 glycanâ€dependent broadly neutralizing antibodies. <i>Science Translational Medicine</i> , 2017, 9, .   | 12.4 | 212       |
| 106 | HIV-1 Consensus Envelope-Induced Broadly Binding Antibodies. <i>AIDS Research and Human Retroviruses</i> , 2017, 33, 859-868.   | 1.1  | 18        |
| 107 | Complete genome sequencing and antibiotics biosynthesis pathways analysis of <i>Streptomyces lydicus</i> 103. <i>Scientific Reports</i> , 2017, 7, 44786.   | 3.3  | 15        |
| 108 | The application of wrapping ureter by a pedicled gastrocolic omentum flap combined with an artificial external scaffold to prevent stoma stenosis in rabbit after ureterocutaneostomy. <i>International Urology and Nephrology</i> , 2017, 49, 255-261.   | 1.4  | 1         |

| #   | ARTICLE   | IF   | CITATIONS |
|-----|---|------|-----------|
| 109 | Tissue plasminogen activator (tPA) signal sequence enhances immunogenicity of MVA-based vaccine against tuberculosis. <i>Immunology Letters</i> , 2017, 190, 51-57.   | 2.5  | 41        |
| 110 | Immunological and virological characteristics of human immunodeficiency virus type 1 superinfection: implications in vaccine design. <i>Frontiers of Medicine</i> , 2017, 11, 480-489.  | 3.4  | 6         |
| 111 | Antiviral effects of Retro-2 cycl and Retro-2.1 against Enterovirus 71 in vitro and in vivo. <i>Antiviral Research</i> , 2017, 144, 311-321.  | 4.1  | 21        |
| 112 | Immunologic and Virologic Mechanisms for Partial Protection from Intravenous Challenge by an Integration-Defective SIV Vaccine. <i>Viruses</i> , 2017, 9, 135.  | 3.3  | 3         |
| 113 | A Comprehensive Overview of Online Resources to Identify and Predict Bacterial Essential Genes. <i>Frontiers in Microbiology</i> , 2017, 8, 2331.   | 3.5  | 44        |
| 114 | Remote Diffusion-Weighted Imaging Lesions in Intracerebral Hemorrhage: Characteristics, Mechanisms, Outcomes, and Therapeutic Implications. <i>Frontiers in Neurology</i> , 2017, 8, 678.                                     | 2.4  | 17        |
| 115 | Rare HIV-1 transmitted/founder lineages identified by deep viral sequencing contribute to rapid shifts in dominant quasispecies during acute and early infection. <i>PLoS Pathogens</i> , 2017, 13, e1006510.                 | 4.7  | 63        |
| 116 | Initiation of HIV neutralizing B cell lineages with sequential envelope immunizations. <i>Nature Communications</i> , 2017, 8, 1732.  | 12.8 | 76        |
| 117 | A strongly selected mutation in the HIV-1 genome is independent of T cell responses and neutralizing antibodies. <i>Retrovirology</i> , 2017, 14, 46.   | 2.0  | 2         |
| 118 | Quantitative analysis of correlation between AT and GC biases among bacterial genomes. <i>PLoS ONE</i> , 2017, 12, e0171408.  | 2.5  | 27        |
| 119 | The Significance of Ultrasound in Determining Whether SHPT Patients Are Sensitive to Calcitriol Treatment. <i>BioMed Research International</i> , 2016, 2016, 1-5.  | 1.9  | 4         |
| 120 | Editorial: DNA Replication Origins in Microbial Genomes. <i>Frontiers in Microbiology</i> , 2016, 6, 1545.  | 3.5  | 2         |
| 121 | Fast Dissemination of New HIV-1 CRF02_AG Recombinants in Pakistan. <i>PLoS ONE</i> , 2016, 11, e0167839.  | 2.5  | 15        |
| 122 | Hidden failure identification and protection of multi-grounding fault in secondary circuit of potential transformer. <i>IEEE Transactions on Electrical and Electronic Engineering</i> , 2016, 11, 300-307.                   | 1.4  | 3         |
| 123 | High-Frequency Illegitimate Strand Transfers of Nascent DNA Fragments During Reverse Transcription Result in Defective Retrovirus Genomes. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2016, 72, 353-362. | 2.1  | 1         |
| 124 | Bioinformatics analysis of molecular mechanisms involved in intervertebral disc degeneration induced by TNF- $\alpha$ and IL-1 $\beta$ . <i>Molecular Medicine Reports</i> , 2016, 13, 2925-2931.                             | 2.4  | 13        |
| 125 | Comparative genomics analysis of the companion mechanisms of <i>Bacillus thuringiensis</i> Bc601 and <i>Bacillus endophyticus</i> Hbe603 in bacterial consortium. <i>Scientific Reports</i> , 2016, 6, 28794.                 | 3.3  | 15        |
| 126 | Transmission of Multiple HIV-1 Subtype C Transmitted/founder Viruses into the Same Recipients Was not Determined by Modest Phenotypic Differences. <i>Scientific Reports</i> , 2016, 6, 38130.                                | 3.3  | 18        |

| #   | ARTICLE  | IF   | CITATIONS |
|-----|--|------|-----------|
| 127 | Complete Genome Sequence of the Industrial Bacterium <i>Ketogulonicigenium vulgare</i> SKV. <i>Genome Announcements</i> , 2016, 4, .   | 0.8  | 5         |
| 128 | Dravet syndrome with favourable cognitive and behavioral development due to a novel SCN1A frameshift mutation. <i>Clinical Neurology and Neurosurgery</i> , 2016, 146, 144-146.  | 1.4  | 5         |
| 129 | A study of high-dose lenalidomide induction and low-dose lenalidomide maintenance therapy for patients with hypomethylating agent refractory myelodysplastic syndrome. <i>Leukemia and Lymphoma</i> , 2016, 57, 2535-2540. | 1.3  | 11        |
| 130 | New Software for the Fast Estimation of Population Recombination Rates (FastEPRR) in the Genomic Era. <i>G3: Genes, Genomes, Genetics</i> , 2016, 6, 1563-1571.  | 1.8  | 110       |
| 131 | A decrease of ripples precedes seizure onset in mesial temporal lobe epilepsy. <i>Experimental Neurology</i> , 2016, 284, 29-37.   | 4.1  | 11        |
| 132 | Initiation of immune tolerance-controlled HIV gp41 neutralizing B cell lineages. <i>Science Translational Medicine</i> , 2016, 8, 336ra62.   | 12.4 | 86        |
| 133 | Immune perturbations in HIV-1-infected individuals who make broadly neutralizing antibodies. <i>Science Immunology</i> , 2016, 1, aag0851.   | 11.9 | 120       |
| 134 | Amino Acid Changes in the HIV-1 gp41 Membrane Proximal Region Control Virus Neutralization Sensitivity. <i>EBioMedicine</i> , 2016, 12, 196-207.   | 6.1  | 34        |
| 135 | Insights into mutualism mechanism and versatile metabolism of <i>Ketogulonicigenium vulgare</i> Hbe602 based on comparative genomics and metabolomics studies. <i>Scientific Reports</i> , 2016, 6, 23068.                 | 3.3  | 23        |
| 136 | Maturation Pathway from Germline to Broad HIV-1 Neutralizer of a CD4-Mimic Antibody. <i>Cell</i> , 2016, 165, 449-463.   | 28.9 | 305       |
| 137 | Simultaneous Detection of Major Drug Resistance Mutations of HIV-1 Subtype B Viruses from Dried Blood Spot Specimens by Multiplex Allele-Specific Assay. <i>Journal of Clinical Microbiology</i> , 2016, 54, 220-222.      | 3.9  | 14        |
| 138 | Low-frequency stimulation in anterior nucleus of thalamus alleviates kainate-induced chronic epilepsy and modulates the hippocampal EEG rhythm. <i>Experimental Neurology</i> , 2016, 276, 22-30.                          | 4.1  | 44        |
| 139 | Genetic Characterization of a Panel of Diverse HIV-1 Isolates at Seven International Sites. <i>PLoS ONE</i> , 2016, 11, e0157340.  | 2.5  | 13        |
| 140 | Features of Recently Transmitted HIV-1 Clade C Viruses that Impact Antibody Recognition: Implications for Active and Passive Immunization. <i>PLoS Pathogens</i> , 2016, 12, e1005742.                                     | 4.7  | 81        |
| 141 | Application of computer simulators in population genetics. <i>Yi Chuan = Hereditas / Zhongguo Yi Chuan Xue Hui Bian Ji</i> , 2016, 38, 707-17.   | 0.2  | 0         |
| 142 | Evolutionary conservation analysis between the essential and nonessential genes in bacterial genomes. <i>Scientific Reports</i> , 2015, 5, 13210.  | 3.3  | 72        |
| 143 | Identification of HIV-1 genitourinary tract compartmentalization by analyzing the env gene sequences in urine. <i>Aids</i> , 2015, 29, 1651-1657.  | 2.2  | 20        |
| 144 | Differential response in levels of high-density lipoprotein cholesterol to one-year metformin treatment in prediabetic patients by race/ethnicity. <i>Cardiovascular Diabetology</i> , 2015, 14, 79.                       | 6.8  | 22        |

| #   | ARTICLE  | IF   | CITATIONS |
|-----|--|------|-----------|
| 145 | Longitudinal Antigenic Sequences and Sites from Intra-Host Evolution (LASSIE) Identifies Immune-Selected HIV Variants. <i>Viruses</i> , 2015, 7, 5443-5475.  | 3.3  | 26        |
| 146 | Protection Principle for a DC Distribution System with a Resistive Superconductive Fault Current Limiter. <i>Energies</i> , 2015, 8, 4839-4852.  | 3.1  | 34        |
| 147 | Bacteria may have multiple replication origins. <i>Frontiers in Microbiology</i> , 2015, 6, 324.   | 3.5  | 21        |
| 148 | Identification of the Replication Origins from Cyanothecce ATCC 51142 and Their Interactions with the DnaA Protein: From In Silico to In Vitro Studies. <i>Frontiers in Microbiology</i> , 2015, 6, 1370.    | 3.5  | 15        |
| 149 | Human Non-neutralizing HIV-1 Envelope Monoclonal Antibodies Limit the Number of Founder Viruses during SHIV Mucosal Infection in Rhesus Macaques. <i>PLoS Pathogens</i> , 2015, 11, e1005042.                | 4.7  | 145       |
| 150 | Diversion of HIV-1 vaccine-induced immunity by gp41-microbiota cross-reactive antibodies. <i>Science</i> , 2015, 349, aab1253.   | 12.6 | 191       |
| 151 | Comparative analysis of essential genes in prokaryotic genomic islands. <i>Scientific Reports</i> , 2015, 5, 12561.  | 3.3  | 11        |
| 152 | Identification of a Common Epitope between Enterovirus 71 and Human MED25 Proteins Which May Explain Virus-Associated Neurological Disease. <i>Viruses</i> , 2015, 7, 1558-1577.                             | 3.3  | 11        |
| 153 | Recent advances in the genome-wide study of DNA replication origins in yeast. <i>Frontiers in Microbiology</i> , 2015, 6, 117.   | 3.5  | 19        |
| 154 | Hyperammonemic encephalopathy in a child with ornithine transcarbamylase deficiency due to a novel combined heterozygous mutations. <i>American Journal of Emergency Medicine</i> , 2015, 33, 474.e1-474.e3. | 1.6  | 6         |
| 155 | Significant improvement of oxidase activity through the genetic incorporation of a redox-active unnatural amino acid. <i>Chemical Science</i> , 2015, 6, 3881-3885.  | 7.4  | 55        |
| 156 | Low-frequency stimulation of the external globus pallidum produces anti-epileptogenic and anti-ictogenic actions in rats. <i>Acta Pharmacologica Sinica</i> , 2015, 36, 957-965.                             | 6.1  | 8         |
| 157 | Strain-Specific V3 and CD4 Binding Site Autologous HIV-1 Neutralizing Antibodies Select Neutralization-Resistant Viruses. <i>Cell Host and Microbe</i> , 2015, 18, 354-362.                                  | 11.0 | 66        |
| 158 | Exome sequencing identifies novel ApoB loss-of-function mutations causing hypobetalipoproteinemia in type 1 diabetes. <i>Acta Diabetologica</i> , 2015, 52, 531-537.   | 2.5  | 0         |
| 159 | A reduction in both visceral and subcutaneous fats contributes to increased adiponectin by lifestyle intervention in the Diabetes Prevention Program. <i>Acta Diabetologica</i> , 2015, 52, 625-628.         | 2.5  | 13        |
| 160 | Gene Essentiality Analysis Based on DEG 10, an Updated Database of Essential Genes. <i>Methods in Molecular Biology</i> , 2015, 1279, 219-233.   | 0.9  | 40        |
| 161 | Maternal HIV-1 envelope-specific antibody responses and reduced risk of perinatal transmission. <i>Journal of Clinical Investigation</i> , 2015, 125, 2702-2706.   | 8.2  | 68        |
| 162 | Enhanced Sensitivity for Detection of HIV-1 p24 Antigen by a Novel Nuclease-Linked Fluorescence Oligonucleotide Assay. <i>PLoS ONE</i> , 2015, 10, e0125701.   | 2.5  | 13        |

| #   | ARTICLE   | IF   | CITATIONS |
|-----|---|------|-----------|
| 163 | Genome Sequence of <i>Bacillus endophyticus</i> and Analysis of Its Companion Mechanism in the <i>Ketogulonigenium vulgare</i> - <i>Bacillus</i> Strain Consortium. <i>PLoS ONE</i> , 2015, 10, e0135104.                                 | 2.5  | 20        |
| 164 | Reversion and T Cell Escape Mutations Compensate the Fitness Loss of a CD8+ T Cell Escape Mutant in Their Cognate Transmitted/Founder Virus. <i>PLoS ONE</i> , 2014, 9, e102734.  | 2.5  | 8         |
| 165 | Progress in HIV-1 vaccine development. <i>Journal of Allergy and Clinical Immunology</i> , 2014, 134, 3-10.   | 2.9  | 62        |
| 166 | Transient Receptor Potential Vanilloid 1 Activation by Dietary Capsaicin Promotes Urinary Sodium Excretion by Inhibiting Epithelial Sodium Channel $\beta$ Subunit-Mediated Sodium Reabsorption. <i>Hypertension</i> , 2014, 64, 397-404. | 2.7  | 42        |
| 167 | Preexisting compensatory amino acids compromise fitness costs of a HIV-1 $\Delta$ T cell escape mutation. <i>Retrovirology</i> , 2014, 11, 101.   | 2.0  | 12        |
| 168 | Ori-Finder 2, an integrated tool to predict replication origins in the archaeal genomes. <i>Frontiers in Microbiology</i> , 2014, 5, 482.   | 3.5  | 81        |
| 169 | Affinity maturation in an HIV broadly neutralizing B-cell lineage through reorientation of variable domains. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 10275-10280.             | 7.1  | 73        |
| 170 | Cryptic Multiple HIV-1 Infection Revealed by Early, Frequent, and Deep Sampling during Acute Infection. <i>AIDS Research and Human Retroviruses</i> , 2014, 30, A58-A58.  | 1.1  | 2         |
| 171 | Recombination-mediated escape from primary CD8+ T cells in acute HIV-1 infection. <i>Retrovirology</i> , 2014, 11, 69.  | 2.0  | 27        |
| 172 | Complete Sequence of pABTJ2, A Plasmid from <i>Acinetobacter baumannii</i> MDR-TJ, Carrying Many Phage-like Elements. <i>Genomics, Proteomics and Bioinformatics</i> , 2014, 12, 172-177.   | 6.9  | 28        |
| 173 | DEG 10, an update of the database of essential genes that includes both protein-coding genes and noncoding genomic elements: Table 1.. <i>Nucleic Acids Research</i> , 2014, 42, D574-D580.   | 14.5 | 504       |
| 174 | Cooperation of B Cell Lineages in Induction of HIV-1-Broadly Neutralizing Antibodies. <i>Cell</i> , 2014, 158, 481-491.   | 28.9 | 266       |
| 175 | Impact of Clade, Geography, and Age of the Epidemic on HIV-1 Neutralization by Antibodies. <i>Journal of Virology</i> , 2014, 88, 12623-12643.  | 3.4  | 75        |
| 176 | Development of a contemporary globally diverse HIV viral panel by the EQAPOL program. <i>Journal of Immunological Methods</i> , 2014, 409, 117-130.   | 1.4  | 42        |
| 177 | Protein Localization Analysis of Essential Genes in Prokaryotes. <i>Scientific Reports</i> , 2014, 4, 6001.   | 3.3  | 27        |
| 178 | An autoreactive antibody from an SLE/HIV-1 individual broadly neutralizes HIV-1. <i>Journal of Clinical Investigation</i> , 2014, 124, 1835-1843.   | 8.2  | 93        |
| 179 | The Variable Loop 3 in the Envelope Glycoprotein Is Critical for the Atypical Coreceptor Usage of an HIV-1 Strain. <i>PLoS ONE</i> , 2014, 9, e98058.   | 2.5  | 2         |
| 180 | Extensive Recombination Due to Heteroduplexes Generates Large Amounts of Artificial Gene Fragments during PCR. <i>PLoS ONE</i> , 2014, 9, e106658.  | 2.5  | 23        |

| #   | ARTICLE   | IF   | CITATIONS |
|-----|---|------|-----------|
| 181 | Recent Advances in the Identification of Replication Origins Based on the Z-curve Method. <i>Current Genomics</i> , 2014, 15, 104-112.  | 1.6  | 19        |
| 182 | Identification of Horizontally-transferred Genomic Islands and Genome Segmentation Points by Using the GC Profile Method. <i>Current Genomics</i> , 2014, 15, 113-121.  | 1.6  | 26        |
| 183 | Postnatally-transmitted HIV-1 Envelope variants have similar neutralization-sensitivity and function to that of nontransmitted breast milk variants. <i>Retrovirology</i> , 2013, 10, 3.  | 2.0  | 39        |
| 184 | Relative resistance of HIV-1 founder viruses to control by interferon-alpha. <i>Retrovirology</i> , 2013, 10, 146.  | 2.0  | 183       |
| 185 | Antigenicity and Immunogenicity of Transmitted/Founder, Consensus, and Chronic Envelope Glycoproteins of Human Immunodeficiency Virus Type 1. <i>Journal of Virology</i> , 2013, 87, 4185-4201.   | 3.4  | 83        |
| 186 | Co-evolution of a broadly neutralizing HIV-1 antibody and founder virus. <i>Nature</i> , 2013, 496, 469-476.  | 27.8 | 961       |
| 187 | Simultaneous Detection of Major Drug Resistance Mutations in the Protease and Reverse Transcriptase Genes for HIV-1 Subtype C by Use of a Multiplex Allele-Specific Assay. <i>Journal of Clinical Microbiology</i> , 2013, 51, 3666-3674. | 3.9  | 24        |
| 188 | Phenotypic properties of transmitted founder HIV-1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 6626-6633.  | 7.1  | 379       |
| 189 | Vertical T cell immunodominance and epitope entropy determine HIV-1 escape. <i>Journal of Clinical Investigation</i> , 2013, 123, 380-93.   | 8.2  | 165       |
| 190 | Association of Preexisting Drug-Resistance Mutations and Treatment Failure in Hepatitis B Patients. <i>PLoS ONE</i> , 2013, 8, e67606.  | 2.5  | 8         |
| 191 | The <i>Euphorbia lunulata</i> Bge extract inhibits proliferation of human hepatoma HepG2 cells and induces apoptosis. <i>Journal of B U on</i> , 2013, 18, 491-5.   | 0.4  | 3         |
| 192 | Early Low-Titer Neutralizing Antibodies Impede HIV-1 Replication and Select for Virus Escape. <i>PLoS Pathogens</i> , 2012, 8, e1002721.  | 4.7  | 159       |
| 193 | DeOri: a database of eukaryotic DNA replication origins. <i>Bioinformatics</i> , 2012, 28, 1551-1552.   | 4.1  | 32        |
| 194 | Transmitted/Founder and Chronic Subtype C HIV-1 Use CD4 and CCR5 Receptors with Equal Efficiency and Are Not Inhibited by Blocking the Integrin $\alpha 4\beta 7$ . <i>PLoS Pathogens</i> , 2012, 8, e1002686.                            | 4.7  | 140       |
| 195 | DoriC 5.0: an updated database of oriC regions in both bacterial and archaeal genomes. <i>Nucleic Acids Research</i> , 2012, 41, D90-D93.   | 14.5 | 128       |
| 196 | RNA-DNA differences are rarer in proto-oncogenes than in tumor suppressor genes. <i>Scientific Reports</i> , 2012, 2, 245.  | 3.3  | 2         |
| 197 | Complete genome sequence of <i>Acinetobacter baumannii</i> MDR-TJ and insights into its mechanism of antibiotic resistance. <i>Journal of Antimicrobial Chemotherapy</i> , 2012, 67, 2825-2832.   | 3.0  | 82        |
| 198 | Impact of immune escape mutations on HIV-1 fitness in the context of the cognate transmitted/founder genome. <i>Retrovirology</i> , 2012, 9, 89.  | 2.0  | 50        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 199 | Comparison of Journal Self-Citation Rates between Some Chinese and Non-Chinese International Journals. PLoS ONE, 2012, 7, e49001.   | 2.5 | 7         |
| 200 | Nrac, a Novel Nutritionally-Regulated Adipose and Cardiac-Enriched Gene. PLoS ONE, 2012, 7, e46254.   | 2.5 | 6         |
| 201 | Polyclonal B Cell Responses to Conserved Neutralization Epitopes in a Subset of HIV-1-Infected Individuals. Journal of Virology, 2011, 85, 11502-11519.   | 3.4 | 168       |
| 202 | Initial antibodies binding to HIV-1 gp41 in acutely infected subjects are polyreactive and highly mutated. Journal of Experimental Medicine, 2011, 208, 2237-2249.  | 8.5 | 198       |
| 203 | Primary Infection by a Human Immunodeficiency Virus with Atypical Coreceptor Tropism. Journal of Virology, 2011, 85, 10669-10681.   | 3.4 | 51        |
| 204 | Enzymes Are Enriched in Bacterial Essential Genes. PLoS ONE, 2011, 6, e21683.   | 2.5 | 16        |
| 205 | Identification of amino acid substitutions associated with neutralization phenotype in the human immunodeficiency virus type-1 subtype C gp120. Virology, 2011, 409, 163-174.   | 2.4 | 18        |
| 206 | Dynamic Antibody Specificities and Virion Concentrations in Circulating Immune Complexes in Acute to Chronic HIV-1 Infection. Journal of Virology, 2011, 85, 11196-11207.   | 3.4 | 56        |
| 207 | Genome Sequence of Acinetobacter baumannii MDR-TJ. Journal of Bacteriology, 2011, 193, 2365-2366.   | 2.2 | 37        |
| 208 | Analysis of Low-Frequency Mutations Associated with Drug Resistance to Raltegravir before Antiretroviral Treatment. Antimicrobial Agents and Chemotherapy, 2011, 55, 1114-1119.                                       | 3.2 | 49        |
| 209 | Evolution of Drug-Resistant Viral Populations during Interruption of Antiretroviral Therapy. Journal of Virology, 2011, 85, 6403-6415.  | 3.4 | 26        |
| 210 | Recurrent Signature Patterns in HIV-1 B Clade Envelope Glycoproteins Associated with either Early or Chronic Infections. PLoS Pathogens, 2011, 7, e1002209.   | 4.7 | 114       |
| 211 | Heat shock protein 90 protects rat mesenchymal stem cells against hypoxia and serum deprivation-induced apoptosis via the PI3K/Akt and ERK1/2 pathways. Journal of Zhejiang University: Science B, 2010, 11, 608-617. | 2.8 | 40        |
| 212 | Generation of random mutant libraries with multiple primers in a single reaction. Journal of Virological Methods, 2010, 167, 146-151.   | 2.1 | 2         |
| 213 | Genetic Signatures in the Envelope Glycoproteins of HIV-1 that Associate with Broadly Neutralizing Antibodies. PLoS Computational Biology, 2010, 6, e1000955.   | 3.2 | 78        |
| 214 | Functionality of essential genes drives gene strand-bias in bacterial genomes. Biochemical and Biophysical Research Communications, 2010, 396, 472-476.   | 2.1 | 40        |
| 215 | In Vivo gp41 Antibodies Targeting the 2F5 Monoclonal Antibody Epitope Mediate Human Immunodeficiency Virus Type 1 Neutralization Breadth. Journal of Virology, 2009, 83, 3617-3625.                                   | 3.4 | 94        |
| 216 | Anterior thalamic nucleus stimulation modulates regional cerebral metabolism: An FDG-MicroPET study in rats. Neurobiology of Disease, 2009, 34, 477-483.  | 4.4 | 33        |

| #   | ARTICLE  | IF   | CITATIONS |
|-----|--|------|-----------|
| 217 | High-throughput isolation of immunoglobulin genes from single human B cells and expression as monoclonal antibodies. <i>Journal of Virological Methods</i> , 2009, 158, 171-179.   | 2.1  | 235       |
| 218 | Cross-reactive monoclonal antibodies to multiple HIV-1 subtype and SIVcpz envelope glycoproteins. <i>Virology</i> , 2009, 394, 91-98.  | 2.4  | 28        |
| 219 | Molecular cloning and recombinant expression of a gene encoding a fungal immunomodulatory protein from <i>Ganoderma lucidum</i> in <i>Pichia pastoris</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2009, 25, 383-390.                                | 3.6  | 19        |
| 220 | Ori-Finder: A web-based system for finding oriC s in unannotated bacterial genomes. <i>BMC Bioinformatics</i> , 2008, 9, 79.   | 2.6  | 287       |
| 221 | Prediction of replication time zones at single nucleotide resolution in the human genome. <i>FEBS Letters</i> , 2008, 582, 2441-2444.  | 2.8  | 2         |
| 222 | Identification and characterization of transmitted and early founder virus envelopes in primary HIV-1 infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 7552-7557.  | 7.1  | 1,708     |
| 223 | Origins of Replication in <i>Sorangium cellulosum</i> and <i>Microcystis aeruginosa</i> . <i>DNA Research</i> , 2008, 15, 169-171.   | 3.4  | 5         |
| 224 | A centralized gene-based HIV-1 vaccine elicits broad cross-clade cellular immune responses in rhesus monkeys. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 10489-10494.   | 7.1  | 75        |
| 225 | Origins of replication in <i>Cyanobacteria</i> 51142. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, E125; author reply E126-7.   | 7.1  | 16        |
| 226 | DoriC: a database of oriC regions in bacterial genomes. <i>Bioinformatics</i> , 2007, 23, 1866-1867.   | 4.1  | 92        |
| 227 | Centralized HIV-1 Envelope Immunogens and Neutralizing Antibodies. <i>Current HIV Research</i> , 2007, 5, 572-577.   | 0.5  | 27        |
| 228 | The Role of Antibody Polyspecificity and Lipid Reactivity in Binding of Broadly Neutralizing Anti-HIV-1 Envelope Human Monoclonal Antibodies 2F5 and 4E10 to Glycoprotein 41 Membrane Proximal Envelope Epitopes. <i>Journal of Immunology</i> , 2007, 178, 4424-4435. | 0.8  | 230       |
| 229 | Detection of minor drug-resistant populations by parallel allele-specific sequencing. <i>Nature Methods</i> , 2007, 4, 123-125.  | 19.0 | 56        |
| 230 | Antigenicity and immunogenicity of HIV-1 consensus subtype B envelope glycoproteins. <i>Virology</i> , 2007, 360, 218-234.   | 2.4  | 67        |
| 231 | High throughput functional analysis of HIV-1 env genes without cloning. <i>Journal of Virological Methods</i> , 2007, 143, 104-111.  | 2.1  | 45        |
| 232 | Isochore structures in the chicken genome. <i>FEBS Journal</i> , 2006, 273, 1637-1648.   | 4.7  | 10        |
| 233 | A group M consensus envelope glycoprotein induces antibodies that neutralize subsets of subtype B and C HIV-1 primary viruses. <i>Virology</i> , 2006, 353, 268-282.   | 2.4  | 176       |
| 234 | Ancestral and consensus envelope immunogens for HIV-1 subtype C. <i>Virology</i> , 2006, 352, 438-449.   | 2.4  | 92        |

| #   | ARTICLE   | IF   | CITATIONS |
|-----|---|------|-----------|
| 235 | GC-Profile: a web-based tool for visualizing and analyzing the variation of GC content in genomic sequences. <i>Nucleic Acids Research</i> , 2006, 34, W686-W691.   | 14.5 | 162       |
| 236 | An Alternative and Effective HIV Vaccination Approach Based on Inhibition of Antigen Presentation Attenuators in Dendritic Cells. <i>PLoS Medicine</i> , 2006, 3, e11.  | 8.4  | 74        |
| 237 | Genetic and Neutralization Properties of Subtype C Human Immunodeficiency Virus Type 1 Molecular env Clones from Acute and Early Heterosexually Acquired Infections in Southern Africa. <i>Journal of Virology</i> , 2006, 80, 11776-11790. | 3.4  | 334       |
| 238 | Cross-Subtype T-Cell Immune Responses Induced by a Human Immunodeficiency Virus Type 1 Group M Consensus Env Immunogen. <i>Journal of Virology</i> , 2006, 80, 6745-6756.   | 3.4  | 62        |
| 239 | Coronavirus phylogeny based on a geometric approach. <i>Molecular Phylogenetics and Evolution</i> , 2005, 36, 224-232.  | 2.7  | 26        |
| 240 | Detection of nucleolar organizer and mitochondrial DNA insertion regions based on the isochore map of <i>Arabidopsis thaliana</i> . <i>FEBS Journal</i> , 2005, 272, 3328-3336.   | 4.7  | 4         |
| 241 | Antigenicity and Immunogenicity of a Synthetic Human Immunodeficiency Virus Type 1 Group M Consensus Envelope Glycoprotein. <i>Journal of Virology</i> , 2005, 79, 1154-1163.   | 3.4  | 189       |
| 242 | Amplification and Cloning of Near Full-Length HIV-2 Genomes. , 2005, 304, 399-408.  |      | 2         |
| 243 | Segmentation algorithm for DNA sequences. <i>Physical Review E</i> , 2005, 72, 041917.  | 2.1  | 33        |
| 244 | Phosphodiesterase 5 inhibitor, zaprinast, selectively increases cerebral blood flow in the ischemic penumbra in the rat brain. <i>Neurological Research</i> , 2005, 27, 638-643.  | 1.3  | 23        |
| 245 | Human Immunodeficiency Virus Type 1 env Clones from Acute and Early Subtype B Infections for Standardized Assessments of Vaccine-Elicited Neutralizing Antibodies. <i>Journal of Virology</i> , 2005, 79, 10108-10125.                      | 3.4  | 1,025     |
| 246 | Comparison of various algorithms for recognizing short coding sequences of human genes. <i>Bioinformatics</i> , 2004, 20, 673-681.  | 4.1  | 61        |
| 247 | Unselected Mutations in the Human Immunodeficiency Virus Type 1 Genome Are Mostly Nonsynonymous and Often Deleterious. <i>Journal of Virology</i> , 2004, 78, 2426-2433.  | 3.4  | 66        |
| 248 | Centralized immunogens as a vaccine strategy to overcome HIV-1 diversity. <i>Expert Review of Vaccines</i> , 2004, 3, S161-S168.  | 4.4  | 54        |
| 249 | Codon Usage Optimization of HIV Type 1 Subtype C gag, pol, env, and nef Genes: In Vitro Expression and Immune Responses in DNA-Vaccinated Mice. <i>AIDS Research and Human Retroviruses</i> , 2003, 19, 817-823.                            | 1.1  | 100       |
| 250 | Prediction of proteinase cleavage sites in polyproteins of coronaviruses and its applications in analyzing SARS-CoV genomes. <i>FEBS Letters</i> , 2003, 553, 451-456.  | 2.8  | 62        |
| 251 | Diversity Considerations in HIV-1 Vaccine Selection. <i>Science</i> , 2002, 296, 2354-2360.   | 12.6 | 731       |
| 252 | Near Full-Length Clones and Reference Sequences for Subtype C Isolates of HIV Type 1 from Three Different Continents. <i>AIDS Research and Human Retroviruses</i> , 2001, 17, 161-168.  | 1.1  | 182       |

| #   | ARTICLE   | IF   | CITATIONS |
|-----|---|------|-----------|
| 253 | Molecular Characterization of a Highly Divergent HIV Type 1 Isolate Obtained Early in the AIDS Epidemic from the Democratic Republic of Congo. <i>AIDS Research and Human Retroviruses</i> , 2001, 17, 1217-1222.                                 | 1.1  | 14        |
| 254 | Evidence of Two Distinct Subsubtypes within the HIV-1 Subtype A Radiation. <i>AIDS Research and Human Retroviruses</i> , 2001, 17, 675-688.   | 1.1  | 82        |
| 255 | Presence of Diverse Human Immunodeficiency Virus Type 1 Viral Variants in Cameroon. <i>AIDS Research and Human Retroviruses</i> , 2000, 16, 1319-1324.  | 1.1  | 49        |
| 256 | Sequence Note: Phylogenetic Analysis of Protease and Transmembrane Region of HIV Type 1 Group O. <i>AIDS Research and Human Retroviruses</i> , 2000, 16, 1075-1081.   | 1.1  | 10        |
| 257 | Detection of Diverse Variants of Human Immunodeficiency Virus "1 Groups M, N, and O and Simian Immunodeficiency Viruses from Chimpanzees by Using Generic pol and env Primer Pairs. <i>Journal of Infectious Diseases</i> , 2000, 181, 1791-1795. | 4.0  | 51        |
| 258 | Origin of HIV-1 in the chimpanzee <i>Pan troglodytes troglodytes</i> . <i>Nature</i> , 1999, 397, 436-441.  | 27.8 | 1,405     |
| 259 | A Comprehensive Panel of Near-Full-Length Clones and Reference Sequences for Non-Subtype B Isolates of Human Immunodeficiency Virus Type 1. <i>Journal of Virology</i> , 1998, 72, 5680-5698.   | 3.4  | 270       |
| 260 | Human infection by genetically diverse SIVSM-related HIV-2 in West Africa. <i>Nature</i> , 1992, 358, 495-499.  | 27.8 | 486       |
| 261 | Maternal Broadly Neutralizing Antibodies Select for Neutralization-Resistant Infant Transmitted/Founder HIV Variants. <i>SSRN Electronic Journal</i> , 0, , .   | 0.4  | 4         |