

Feng Gao

List of Publications by Year in descending order

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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 | 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 |
| 2 | Origin of HIV-1 in the chimpanzee <i>Pan troglodytes troglodytes</i> . <i>Nature</i> , 1999, 397, 436-441. | 27.8 | 1,405 |
| 3 | 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 |
| 4 | Co-evolution of a broadly neutralizing HIV-1 antibody and founder virus. <i>Nature</i> , 2013, 496, 469-476. | 27.8 | 961 |
| 5 | Diversity Considerations in HIV-1 Vaccine Selection. <i>Science</i> , 2002, 296, 2354-2360. | 12.6 | 731 |
| 6 | 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 |
| 7 | Human infection by genetically diverse SIVSM-related HIV-2 in West Africa. <i>Nature</i> , 1992, 358, 495-499. | 27.8 | 486 |
| 8 | 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 |
| 9 | 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 |
| 10 | Emergence of SARS-CoV-2 through recombination and strong purifying selection. <i>Science Advances</i> , 2020, 6, . | 10.3 | 307 |
| 11 | Maturation Pathway from Germline to Broad HIV-1 Neutralizer of a CD4-Mimic Antibody. <i>Cell</i> , 2016, 165, 449-463. | 28.9 | 305 |
| 12 | Ori-Finder: A web-based system for finding oriC s in unannotated bacterial genomes. <i>BMC Bioinformatics</i> , 2008, 9, 79. | 2.6 | 287 |
| 13 | 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 |
| 14 | Cooperation of B Cell Lineages in Induction of HIV-1-Broadly Neutralizing Antibodies. <i>Cell</i> , 2014, 158, 481-491. | 28.9 | 266 |
| 15 | Global and regional molecular epidemiology of HIV-1, 1990â€“2015: a systematic review, global survey, and trend analysis. <i>Lancet Infectious Diseases</i> , The, 2019, 19, 143-155. | 9.1 | 255 |
| 16 | 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 |
| 17 | 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 |
| 18 | Staged induction of HIV-1 glycanâ€“dependent broadly neutralizing antibodies. <i>Science Translational Medicine</i> , 2017, 9, . | 12.4 | 212 |

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|----|--|------|-----------|
| 19 | Initial antibodies binding to HIV-1 gp41 in acutely infected subjects are polyreactive and highly mutated. <i>Journal of Experimental Medicine</i> , 2011, 208, 2237-2249. | 8.5 | 198 |
| 20 | Diversion of HIV-1 vaccine-induced immunity by gp41-microbiota cross-reactive antibodies. <i>Science</i> , 2015, 349, aab1253. | 12.6 | 191 |
| 21 | 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 |
| 22 | Relative resistance of HIV-1 founder viruses to control by interferon-alpha. <i>Retrovirology</i> , 2013, 10, 146. | 2.0 | 183 |
| 23 | 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 |
| 24 | 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 |
| 25 | Bug mapping and fitness testing of chemically synthesized chromosome X. <i>Science</i> , 2017, 355, . | 12.6 | 173 |
| 26 | Polyclonal B Cell Responses to Conserved Neutralization Epitopes in a Subset of HIV-1-Infected Individuals. <i>Journal of Virology</i> , 2011, 85, 11502-11519. | 3.4 | 168 |
| 27 | 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 |
| 28 | Database Resources of the National Genomics Data Center in 2020. <i>Nucleic Acids Research</i> , 2020, 48, D24-D33. | 14.5 | 165 |
| 29 | Vertical T cell immunodominance and epitope entropy determine HIV-1 escape. <i>Journal of Clinical Investigation</i> , 2013, 123, 380-93. | 8.2 | 165 |
| 30 | Deep functional analysis of synII, a 770-kilobase synthetic yeast chromosome. <i>Science</i> , 2017, 355, . | 12.6 | 163 |
| 31 | 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 |
| 32 | Antibody-virus co-evolution in HIV infection: paths for HIV vaccine development. <i>Immunological Reviews</i> , 2017, 275, 145-160. | 6.0 | 160 |
| 33 | Early Low-Titer Neutralizing Antibodies Impede HIV-1 Replication and Select for Virus Escape. <i>PLoS Pathogens</i> , 2012, 8, e1002721. | 4.7 | 159 |
| 34 | Database Resources of the BIG Data Center in 2019. <i>Nucleic Acids Research</i> , 2019, 47, D8-D14. | 14.5 | 157 |
| 35 | 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 |
| 36 | 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 |

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|----|--|------|-----------|
| 37 | 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 |
| 38 | Immune perturbations in HIV-1-infected individuals who make broadly neutralizing antibodies. <i>Science Immunology</i> , 2016, 1, aag0851. | 11.9 | 120 |
| 39 | Potent and broad HIV-neutralizing antibodies in memory B cells and plasma. <i>Science Immunology</i> , 2017, 2, . | 11.9 | 119 |
| 40 | 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 |
| 41 | Recurrent Signature Patterns in HIV-1 B Clade Envelope Glycoproteins Associated with either Early or Chronic Infections. <i>PLoS Pathogens</i> , 2011, 7, e1002209. | 4.7 | 114 |
| 42 | 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 |
| 43 | 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 |
| 44 | Depolarized GABAergic Signaling in Subicular Microcircuits Mediates Generalized Seizure in Temporal Lobe Epilepsy. <i>Neuron</i> , 2017, 95, 92-105.e5. | 8.1 | 97 |
| 45 | In Vivo gp41 Antibodies Targeting the 2F5 Monoclonal Antibody Epitope Mediate Human Immunodeficiency Virus Type 1 Neutralization Breadth. <i>Journal of Virology</i> , 2009, 83, 3617-3625. | 3.4 | 94 |
| 46 | 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 |
| 47 | Ancestral and consensus envelope immunogens for HIV-1 subtype C. <i>Virology</i> , 2006, 352, 438-449. | 2.4 | 92 |
| 48 | DoriC: a database of oriC regions in bacterial genomes. <i>Bioinformatics</i> , 2007, 23, 1866-1867. | 4.1 | 92 |
| 49 | Completeness of HIV-1 Envelope Glycan Shield at Transmission Determines Neutralization Breadth. <i>Cell Reports</i> , 2018, 25, 893-908.e7. | 6.4 | 91 |
| 50 | 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 |
| 51 | 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 |
| 52 | Initiation of immune tolerance-controlled HIV gp41 neutralizing B cell lineages. <i>Science Translational Medicine</i> , 2016, 8, 336ra62. | 12.4 | 86 |
| 53 | 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 |
| 54 | 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 |

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|----|--|------|-----------|
| 55 | 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 |
| 56 | 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 |
| 57 | 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 |
| 58 | 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 |
| 59 | Genetic Signatures in the Envelope Glycoproteins of HIV-1 that Associate with Broadly Neutralizing Antibodies. <i>PLoS Computational Biology</i> , 2010, 6, e1000955. | 3.2 | 78 |
| 60 | Initiation of HIV neutralizing B cell lineages with sequential envelope immunizations. <i>Nature Communications</i> , 2017, 8, 1732. | 12.8 | 76 |
| 61 | 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 |
| 62 | 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 |
| 63 | 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 |
| 64 | 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 |
| 65 | Evolutionary conservation analysis between the essential and nonessential genes in bacterial genomes. <i>Scientific Reports</i> , 2015, 5, 13210. | 3.3 | 72 |
| 66 | 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 |
| 67 | Antigenicity and immunogenicity of HIV-1 consensus subtype B envelope glycoproteins. <i>Virology</i> , 2007, 360, 218-234. | 2.4 | 67 |
| 68 | 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 |
| 69 | 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 |
| 70 | 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 |
| 71 | 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 |
| 72 | 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 |

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|----|--|------|-----------|
| 73 | Progress in HIV-1 vaccine development. <i>Journal of Allergy and Clinical Immunology</i> , 2014, 134, 3-10. | 2.9 | 62 |
| 74 | Comparison of various algorithms for recognizing short coding sequences of human genes. <i>Bioinformatics</i> , 2004, 20, 673-681. | 4.1 | 61 |
| 75 | Detection of minor drug-resistant populations by parallel allele-specific sequencing. <i>Nature Methods</i> , 2007, 4, 123-125. | 19.0 | 56 |
| 76 | Dynamic Antibody Specificities and Virion Concentrations in Circulating Immune Complexes in Acute to Chronic HIV-1 Infection. <i>Journal of Virology</i> , 2011, 85, 11196-11207. | 3.4 | 56 |
| 77 | 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 |
| 78 | Centralized immunogens as a vaccine strategy to overcome HIV-1 diversity. <i>Expert Review of Vaccines</i> , 2004, 3, S161-S168. | 4.4 | 54 |
| 79 | 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 |
| 80 | Detection of Diverse Variants of Human Immunodeficiency Virusâ€™1 Groups M, N, and O and Simian Immunodeficiency Viruses from Chimpanzees by Using GenericpolandenvPrimer Pairs. <i>Journal of Infectious Diseases</i> , 2000, 181, 1791-1795. | 4.0 | 51 |
| 81 | Primary Infection by a Human Immunodeficiency Virus with Atypical Coreceptor Tropism. <i>Journal of Virology</i> , 2011, 85, 10669-10681. | 3.4 | 51 |
| 82 | 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 |
| 83 | 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 |
| 84 | Analysis of Low-Frequency Mutations Associated with Drug Resistance to Raltegravir before Antiretroviral Treatment. <i>Antimicrobial Agents and Chemotherapy</i> , 2011, 55, 1114-1119. | 3.2 | 49 |
| 85 | 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 |
| 86 | 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 |
| 87 | High throughput functional analysis of HIV-1 env genes without cloning. <i>Journal of Virological Methods</i> , 2007, 143, 104-111. | 2.1 | 45 |
| 88 | 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 |
| 89 | A Comprehensive Overview of Online Resources to Identify and Predict Bacterial Essential Genes. <i>Frontiers in Microbiology</i> , 2017, 8, 2331. | 3.5 | 44 |
| 90 | Zisland Explorer: detect genomic islands by combining homogeneity and heterogeneity properties. <i>Briefings in Bioinformatics</i> , 2017, 18, bbw019. | 6.5 | 43 |

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|-----|---|-----|-----------|
| 91 | Transient Receptor Potential Vanilloid 1 Activation by Dietary Capsaicin Promotes Urinary Sodium Excretion by Inhibiting Epithelial Sodium Channel β Subunit-Mediated Sodium Reabsorption. <i>Hypertension</i> , 2014, 64, 397-404. | 2.7 | 42 |
| 92 | 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 |
| 93 | 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 |
| 94 | Heat shock protein 90 protects rat mesenchymal stem cells against hypoxia and serum deprivation-induced apoptosis via the PI3K/Akt and ERK1/2 pathways. <i>Journal of Zhejiang University: Science B</i> , 2010, 11, 608-617. | 2.8 | 40 |
| 95 | Functionality of essential genes drives gene strand-bias in bacterial genomes. <i>Biochemical and Biophysical Research Communications</i> , 2010, 396, 472-476. | 2.1 | 40 |
| 96 | 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 |
| 97 | 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 |
| 98 | 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 |
| 99 | 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 |
| 100 | HIV-1 did not contribute to the 2019-nCoV genome. <i>Emerging Microbes and Infections</i> , 2020, 9, 378-381. | 6.5 | 38 |
| 101 | Genome Sequence of <i>Acinetobacter baumannii</i> MDR-TJ. <i>Journal of Bacteriology</i> , 2011, 193, 2365-2366. | 2.2 | 37 |
| 102 | Protection Principle for a DC Distribution System with a Resistive Superconductive Fault Current Limiter. <i>Energies</i> , 2015, 8, 4839-4852. | 3.1 | 34 |
| 103 | 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 |
| 104 | Segmentation algorithm for DNA sequences. <i>Physical Review E</i> , 2005, 72, 041917. | 2.1 | 33 |
| 105 | Anterior thalamic nucleus stimulation modulates regional cerebral metabolism: An FDG-MicroPET study in rats. <i>Neurobiology of Disease</i> , 2009, 34, 477-483. | 4.4 | 33 |
| 106 | DeOri: a database of eukaryotic DNA replication origins. <i>Bioinformatics</i> , 2012, 28, 1551-1552. | 4.1 | 32 |
| 107 | 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 |
| 108 | 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 |

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|-----|---|------|-----------|
| 109 | Cross-reactive monoclonal antibodies to multiple HIV-1 subtype and SIVcpz envelope glycoproteins. <i>Virology</i> , 2009, 394, 91-98. | 2.4 | 28 |
| 110 | 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 |
| 111 | Centralized HIV-1 Envelope Immunogens and Neutralizing Antibodies. <i>Current HIV Research</i> , 2007, 5, 572-577. | 0.5 | 27 |
| 112 | Recombination-mediated escape from primary CD8+ T cells in acute HIV-1 infection. <i>Retrovirology</i> , 2014, 11, 69. | 2.0 | 27 |
| 113 | Protein Localization Analysis of Essential Genes in Prokaryotes. <i>Scientific Reports</i> , 2014, 4, 6001. | 3.3 | 27 |
| 114 | Quantitative analysis of correlation between AT and GC biases among bacterial genomes. <i>PLoS ONE</i> , 2017, 12, e0171408. | 2.5 | 27 |
| 115 | Coronavirus phylogeny based on a geometric approach. <i>Molecular Phylogenetics and Evolution</i> , 2005, 36, 224-232. | 2.7 | 26 |
| 116 | Evolution of Drug-Resistant Viral Populations during Interruption of Antiretroviral Therapy. <i>Journal of Virology</i> , 2011, 85, 6403-6415. | 3.4 | 26 |
| 117 | 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 |
| 118 | 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 |
| 119 | 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 |
| 120 | Antiviral Effects of ABMA against Herpes Simplex Virus Type 2 In Vitro and In Vivo. <i>Viruses</i> , 2018, 10, 119. | 3.3 | 25 |
| 121 | Maternal Broadly Neutralizing Antibodies Can Select for Neutralization-Resistant, Infant-Transmitted/Founder HIV Variants. <i>MBio</i> , 2020, 11, . | 4.1 | 25 |
| 122 | Lupus gut microbiota transplants cause autoimmunity and inflammation. <i>Clinical Immunology</i> , 2021, 233, 108892. | 3.2 | 25 |
| 123 | Direct Prediction of Bioaccumulation of Organic Contaminants in Plant Roots from Soils with Machine Learning Models Based on Molecular Structures. <i>Environmental Science & Technology</i> , 2021, 55, 16358-16368. | 10.0 | 25 |
| 124 | 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 |
| 125 | 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 |
| 126 | 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 |

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|-----|---|------|-----------|
| 127 | 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 |
| 128 | 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 |
| 129 | Extensive Recombination Due to Heteroduplexes Generates Large Amounts of Artificial Gene Fragments during PCR. <i>PLoS ONE</i> , 2014, 9, e106658. | 2.5 | 23 |
| 130 | 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 |
| 131 | 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 |
| 132 | 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 |
| 133 | Bacteria may have multiple replication origins. <i>Frontiers in Microbiology</i> , 2015, 6, 324. | 3.5 | 21 |
| 134 | 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 |
| 135 | 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 |
| 136 | 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 |
| 137 | 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 |
| 138 | Recent advances in the genome-wide study of DNA replication origins in yeast. <i>Frontiers in Microbiology</i> , 2015, 6, 117. | 3.5 | 19 |
| 139 | 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 |
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