

Gene G Olinger

List of Publications by Year in descending order

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95
papers

8,339
citations

38742

50
h-index

48315

88
g-index

100
all docs

100
docs citations

100
times ranked

10791
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Reversion of advanced Ebola virus disease in nonhuman primates with ZMapp. <i>Nature</i> , 2014, 514, 47-53. | 27.8 | 883 |
| 2 | Repurposing of Clinically Developed Drugs for Treatment of Middle East Respiratory Syndrome Coronavirus Infection. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 4885-4893. | 3.2 | 564 |
| 3 | Delayed treatment of Ebola virus infection with plant-derived monoclonal antibodies provides protection in rhesus macaques. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 18030-18035. | 7.1 | 344 |
| 4 | Antiviral Potential of ERK/MAPK and PI3K/AKT/mTOR Signaling Modulation for Middle East Respiratory Syndrome Coronavirus Infection as Identified by Temporal Kinome Analysis. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 1088-1099. | 3.2 | 344 |
| 5 | FDA-Approved Selective Estrogen Receptor Modulators Inhibit Ebola Virus Infection. <i>Science Translational Medicine</i> , 2013, 5, 190ra79. | 12.4 | 285 |
| 6 | Evaluation of candidate vaccine approaches for MERS-CoV. <i>Nature Communications</i> , 2015, 6, 7712. | 12.8 | 258 |
| 7 | Ebola Virus "Like Particle" Based Vaccine Protects Nonhuman Primates against Lethal Ebola Virus Challenge. <i>Journal of Infectious Diseases</i> , 2007, 196, S430-S437. | 4.0 | 236 |
| 8 | A screen of approved drugs and molecular probes identifies therapeutics with anti-Ebola virus activity. <i>Science Translational Medicine</i> , 2015, 7, 290ra89. | 12.4 | 212 |
| 9 | Enhanced potency of a fucose-free monoclonal antibody being developed as an Ebola virus immunoprotectant. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 20690-20694. | 7.1 | 210 |
| 10 | CD8+ cellular immunity mediates rAd5 vaccine protection against Ebola virus infection of nonhuman primates. <i>Nature Medicine</i> , 2011, 17, 1128-1131. | 30.7 | 200 |
| 11 | Therapeutic Intervention of Ebola Virus Infection in Rhesus Macaques with the MB-003 Monoclonal Antibody Cocktail. <i>Science Translational Medicine</i> , 2013, 5, 199ra113. | 12.4 | 199 |
| 12 | Long-term sequelae after Ebola virus disease in Bundibugyo, Uganda: a retrospective cohort study. <i>Lancet Infectious Diseases</i> , The, 2015, 15, 905-912. | 9.1 | 193 |
| 13 | Interferon- β and mycophenolic acid are potent inhibitors of Middle East respiratory syndrome coronavirus in cell-based assays. <i>Journal of General Virology</i> , 2014, 95, 571-577. | 2.9 | 191 |
| 14 | Structures of protective antibodies reveal sites of vulnerability on Ebola virus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 17182-17187. | 7.1 | 173 |
| 15 | Middle East Respiratory Syndrome and Severe Acute Respiratory Syndrome: Current Therapeutic Options and Potential Targets for Novel Therapies. <i>Drugs</i> , 2017, 77, 1935-1966. | 10.9 | 156 |
| 16 | Gene-Specific Countermeasures against Ebola Virus Based on Antisense Phosphorodiamidate Morpholino Oligomers. <i>PLoS Pathogens</i> , 2006, 2, e1. | 4.7 | 137 |
| 17 | Induction of Humoral and CD8+ T Cell Responses Are Required for Protection against Lethal Ebola Virus Infection. <i>Journal of Immunology</i> , 2005, 175, 1184-1191. | 0.8 | 126 |
| 18 | Multiple Cationic Amphiphiles Induce a Niemann-Pick C Phenotype and Inhibit Ebola Virus Entry and Infection. <i>PLoS ONE</i> , 2013, 8, e56265. | 2.5 | 123 |

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|----|---|------|-----------|
| 19 | Mannose-binding lectin binds to Ebola and Marburg envelope glycoproteins, resulting in blocking of virus interaction with DC-SIGN and complement-mediated virus neutralization. <i>Journal of General Virology</i> , 2005, 86, 2535-2542. | 2.9 | 109 |
| 20 | Comparison of the plaque assay and 50% tissue culture infectious dose assay as methods for measuring filovirus infectivity. <i>Journal of Virological Methods</i> , 2013, 193, 565-571. | 2.1 | 103 |
| 21 | Human polyclonal immunoglobulin G from transchromosomal bovines inhibits MERS-CoV in vivo. <i>Science Translational Medicine</i> , 2016, 8, 326ra21. | 12.4 | 102 |
| 22 | Virus nomenclature below the species level: a standardized nomenclature for natural variants of viruses assigned to the family Filoviridae. <i>Archives of Virology</i> , 2013, 158, 301-311. | 2.1 | 99 |
| 23 | The phosphatidylinositol-3-phosphate 5-kinase inhibitor apilimod blocks filoviral entry and infection. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005540. | 3.0 | 97 |
| 24 | Interferon- β Therapy Prolongs Survival in Rhesus Macaque Models of Ebola and Marburg Hemorrhagic Fever. <i>Journal of Infectious Diseases</i> , 2013, 208, 310-318. | 4.0 | 93 |
| 25 | Activation of Triggering Receptor Expressed on Myeloid Cells-1 on Human Neutrophils by Marburg and Ebola Viruses. <i>Journal of Virology</i> , 2006, 80, 7235-7244. | 3.4 | 92 |
| 26 | Inhibition of heat-shock protein 90 reduces Ebola virus replication. <i>Antiviral Research</i> , 2010, 87, 187-194. | 4.1 | 92 |
| 27 | Inhibition of Ebola and Marburg Virus Entry by G Protein-Coupled Receptor Antagonists. <i>Journal of Virology</i> , 2015, 89, 9932-9938. | 3.4 | 90 |
| 28 | Venezuelan Equine Encephalitis Virus Replicon Particle Vaccine Protects Nonhuman Primates from Intramuscular and Aerosol Challenge with Ebolavirus. <i>Journal of Virology</i> , 2013, 87, 4952-4964. | 3.4 | 87 |
| 29 | Pathology of Experimental Aerosol Zaire Ebolavirus Infection in Rhesus Macaques. <i>Veterinary Pathology</i> , 2013, 50, 514-529. | 1.7 | 87 |
| 30 | Protective Cytotoxic T-Cell Responses Induced by Venezuelan Equine Encephalitis Virus Replicons Expressing Ebola Virus Proteins. <i>Journal of Virology</i> , 2005, 79, 14189-14196. | 3.4 | 81 |
| 31 | Filovirus-Like Particles Produced in Insect Cells: Immunogenicity and Protection in Rodents. <i>Journal of Infectious Diseases</i> , 2007, 196, S421-S429. | 4.0 | 79 |
| 32 | High-Dose Mannose-Binding Lectin Therapy for Ebola Virus Infection. <i>Journal of Infectious Diseases</i> , 2011, 203, 175-179. | 4.0 | 78 |
| 33 | Bacterial Vaginosis-Associated Microflora Isolated From the Female Genital Tract Activates HIV-1 Expression. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 1999, 21, 194. | 2.1 | 75 |
| 34 | The cyanobacterial lectin scytovirin displays potent in vitro and in vivo activity against Zaire Ebola virus. <i>Antiviral Research</i> , 2014, 112, 1-7. | 4.1 | 72 |
| 35 | MHC class II transactivator CIITA induces cell resistance to Ebola virus and SARS-like coronaviruses. <i>Science</i> , 2020, 370, 241-247. | 12.6 | 72 |
| 36 | Pyridinyl imidazole inhibitors of p38 MAP kinase impair viral entry and reduce cytokine induction by Zaire ebolavirus in human dendritic cells. <i>Antiviral Research</i> , 2014, 107, 102-109. | 4.1 | 69 |

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|----|--|-----|-----------|
| 37 | Emergence of Ebola Virus Escape Variants in Infected Nonhuman Primates Treated with the MB-003 Antibody Cocktail. <i>Cell Reports</i> , 2015, 12, 2111-2120. | 6.4 | 68 |
| 38 | 3B11-N, a monoclonal antibody against MERS-CoV, reduces lung pathology in rhesus monkeys following intratracheal inoculation of MERS-CoV Jordan-n3/2012. <i>Virology</i> , 2016, 490, 49-58. | 2.4 | 67 |
| 39 | Aerosolized Ebola vaccine protects primates and elicits lung-resident T cell responses. <i>Journal of Clinical Investigation</i> , 2015, 125, 3241-3255. | 8.2 | 67 |
| 40 | Lectin-Dependent Enhancement of Ebola Virus Infection via Soluble and Transmembrane C-type Lectin Receptors. <i>PLoS ONE</i> , 2013, 8, e60838. | 2.5 | 67 |
| 41 | Ebola Virus Exploits a Monocyte Differentiation Program To Promote Its Entry. <i>Journal of Virology</i> , 2013, 87, 3801-3814. | 3.4 | 60 |
| 42 | Virus nomenclature below the species level: a standardized nomenclature for filovirus strains and variants rescued from cDNA. <i>Archives of Virology</i> , 2014, 159, 1229-37. | 2.1 | 59 |
| 43 | Standardization of the Filovirus Plaque Assay for Use in Preclinical Studies. <i>Viruses</i> , 2012, 4, 3511-3530. | 3.3 | 58 |
| 44 | Post-exposure therapy of filovirus infections. <i>Trends in Microbiology</i> , 2014, 22, 456-463. | 7.7 | 58 |
| 45 | Zaire Ebola virus entry into human dendritic cells is insensitive to cathepsin L inhibition. <i>Cellular Microbiology</i> , 2010, 12, 148-157. | 2.1 | 56 |
| 46 | Aerosol Exposure to Rift Valley Fever Virus Causes Earlier and More Severe Neuropathology in the Murine Model, which Has Important Implications for Therapeutic Development. <i>PLoS Neglected Tropical Diseases</i> , 2013, 7, e2156. | 3.0 | 55 |
| 47 | Virus nomenclature below the species level: a standardized nomenclature for laboratory animal-adapted strains and variants of viruses assigned to the family Filoviridae. <i>Archives of Virology</i> , 2013, 158, 1425-1432. | 2.1 | 54 |
| 48 | Role of EXT1 and Glycosaminoglycans in the Early Stage of Filovirus Entry. <i>Journal of Virology</i> , 2015, 89, 5441-5449. | 3.4 | 54 |
| 49 | Development of a model for marburgvirus based on severe-combined immunodeficiency mice. <i>Virology Journal</i> , 2007, 4, 108. | 3.4 | 53 |
| 50 | A Novel L-ficolin/Mannose-binding Lectin Chimeric Molecule with Enhanced Activity against Ebola Virus. <i>Journal of Biological Chemistry</i> , 2010, 285, 24729-24739. | 3.4 | 51 |
| 51 | Viral Hemorrhagic Fever Diagnostics. <i>Clinical Infectious Diseases</i> , 2016, 62, 214-219. | 5.8 | 50 |
| 52 | CD4-Negative Cells Bind Human Immunodeficiency Virus Type 1 and Efficiently Transfer Virus to T Cells. <i>Journal of Virology</i> , 2000, 74, 8550-8557. | 3.4 | 49 |
| 53 | Filovirus RefSeq Entries: Evaluation and Selection of Filovirus Type Variants, Type Sequences, and Names. <i>Viruses</i> , 2014, 6, 3663-3682. | 3.3 | 49 |
| 54 | Identification of Combinations of Approved Drugs With Synergistic Activity Against Ebola Virus in Cell Cultures. <i>Journal of Infectious Diseases</i> , 2018, 218, S672-S678. | 4.0 | 49 |

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|----|--|-----|-----------|
| 55 | Antibody therapeutics for Ebola virus disease. <i>Current Opinion in Virology</i> , 2016, 17, 45-49. | 5.4 | 45 |
| 56 | Drug Combinations as a First Line of Defense against Coronaviruses and Other Emerging Viruses. <i>MBio</i> , 2021, 12, e0334721. | 4.1 | 45 |
| 57 | Potential Vaccines and Post-Exposure Treatments for Filovirus Infections. <i>Viruses</i> , 2012, 4, 1619-1650. | 3.3 | 44 |
| 58 | The lipid moiety of brincidofovir is required for in vitro antiviral activity against Ebola virus. <i>Antiviral Research</i> , 2016, 125, 71-78. | 4.1 | 44 |
| 59 | Project IDentif.AI: Harnessing Artificial Intelligence to Rapidly Optimize Combination Therapy Development for Infectious Disease Intervention. <i>Advanced Therapeutics</i> , 2020, 3, 2000034. | 3.2 | 44 |
| 60 | Ebola Virus Inactivation with Preservation of Antigenic and Structural Integrity by a Photoinducible Alkylating Agent. <i>Journal of Infectious Diseases</i> , 2007, 196, S276-S283. | 4.0 | 41 |
| 61 | Inhibition of Ebola Virus by a Molecularly Engineered Banana Lectin. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007595. | 3.0 | 38 |
| 62 | Protective mAbs and Cross-Reactive mAbs Raised by Immunization with Engineered Marburg Virus GPs. <i>PLoS Pathogens</i> , 2015, 11, e1005016. | 4.7 | 36 |
| 63 | Real-time Monitoring of Cardiovascular Function in Rhesus Macaques Infected With Zaire ebolavirus. <i>Journal of Infectious Diseases</i> , 2011, 204, S1000-S1010. | 4.0 | 33 |
| 64 | Nonhuman Primate Models of Ebola Virus Disease. <i>Current Topics in Microbiology and Immunology</i> , 2017, 411, 171-193. | 1.1 | 33 |
| 65 | Association of indicators of bacterial vaginosis with a female genital tract factor that induces expression of HIV-1. <i>Aids</i> , 1999, 13, 1905-1912. | 2.2 | 31 |
| 66 | Vaccinating captive chimpanzees to save wild chimpanzees. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 8873-8876. | 7.1 | 31 |
| 67 | Testing therapeutics in cell-based assays: Factors that influence the apparent potency of drugs. <i>PLoS ONE</i> , 2018, 13, e0194880. | 2.5 | 31 |
| 68 | Filoviruses and the Balance of Innate, Adaptive, and Inflammatory Responses. <i>Viral Immunology</i> , 2006, 19, 602-612. | 1.3 | 28 |
| 69 | Evaluation of the Activity of Lamivudine and Zidovudine against Ebola Virus. <i>PLoS ONE</i> , 2016, 11, e0166318. | 2.5 | 28 |
| 70 | The Calcium Channel Blocker Bepridil Demonstrates Efficacy in the Murine Model of Marburg Virus Disease. <i>Journal of Infectious Diseases</i> , 2018, 218, S588-S591. | 4.0 | 28 |
| 71 | Inhibition of Arenaviruses by Combinations of Orally Available Approved Drugs. <i>Antimicrobial Agents and Chemotherapy</i> , 2021, 65, . | 3.2 | 27 |
| 72 | Use of the Filovirus Animal Non-Clinical Group (FANG) Ebola virus immuno-assay requires fewer study participants to power a study than the Alpha Diagnostic International assay. <i>Journal of Virological Methods</i> , 2018, 255, 84-90. | 2.1 | 26 |

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|----|--|-----|-----------|
| 73 | Vesicular Stomatitis Virus Pseudotyped with Ebola Virus Glycoprotein Serves as a Protective, Noninfectious Vaccine against Ebola Virus Challenge in Mice. <i>Journal of Virology</i> , 2017, 91, . | 3.4 | 23 |
| 74 | In Vitro and In Vivo Activity of Amiodarone Against Ebola Virus. <i>Journal of Infectious Diseases</i> , 2018, 218, S592-S596. | 4.0 | 21 |
| 75 | High dose sertraline monotherapy fails to protect rhesus macaques from lethal challenge with Ebola virus Makona. <i>Scientific Reports</i> , 2017, 7, 5886. | 3.3 | 20 |
| 76 | Fully Human Immunoglobulin G From Transchromosomal Bovines Treats Nonhuman Primates Infected With Ebola Virus Makona Isolate. <i>Journal of Infectious Diseases</i> , 2018, 218, S636-S648. | 4.0 | 19 |
| 77 | Human Antibodies to Major Histocompatibility Complex Alloantigens Mediate Lysis and Neutralization of HIV-1 Primary Isolate Virions in the Presence of Complement. <i>Journal of Acquired Immune Deficiency Syndromes</i> (1999), 2001, 26, 103-110. | 2.1 | 17 |
| 78 | Significance of High-Containment Biological Laboratories Performing Work During the COVID-19 Pandemic: Biosafety Level-3 and -4 Labs. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 720315. | 4.1 | 16 |
| 79 | Fighting Ebola with novel spore decontamination technologies for the military. <i>Frontiers in Microbiology</i> , 2015, 6, 663. | 3.5 | 15 |
| 80 | Lack of Effect of Lamivudine on Ebola Virus Replication. <i>Emerging Infectious Diseases</i> , 2015, 21, 550-552. | 4.3 | 14 |
| 81 | Formulation, Stability, Pharmacokinetic, and Modeling Studies for Tests of Synergistic Combinations of Orally Available Approved Drugs against Ebola Virus In Vivo. <i>Microorganisms</i> , 2021, 9, 566. | 3.6 | 13 |
| 82 | Cellular Factors Influence the Binding of HIV Type 1 to Cells. <i>AIDS Research and Human Retroviruses</i> , 2002, 18, 259-267. | 1.1 | 12 |
| 83 | The Convergence of High-Consequence Livestock and Human Pathogen Research and Development: A Paradox of Zoonotic Disease. <i>Tropical Medicine and Infectious Disease</i> , 2018, 3, 55. | 2.3 | 10 |
| 84 | Discovery of common marburgvirus protective epitopes in a BALB/c mouse model. <i>Virology Journal</i> , 2009, 6, 132. | 3.4 | 9 |
| 85 | Interferon- β and Interferon- γ Are Weak Inhibitors of Ebola Virus in Cell-Based Assays. <i>Journal of Infectious Diseases</i> , 2017, 215, 1416-1420. | 4.0 | 9 |
| 86 | Ebola Virus Isolation Using Huh-7 Cells has Methodological Advantages and Similar Sensitivity to Isolation Using Other Cell Types and Suckling BALB/c Laboratory Mice. <i>Viruses</i> , 2019, 11, 161. | 3.3 | 8 |
| 87 | Infectious Disease Risks and Vulnerabilities in the Aftermath of an Environmental Disaster in Minas Gerais, Brazil. <i>Vector-Borne and Zoonotic Diseases</i> , 2020, 20, 387-389. | 1.5 | 8 |
| 88 | COVID-19 vaccines: Global challenges and prospects forum recommendations. <i>International Journal of Infectious Diseases</i> , 2021, 105, 448-451. | 3.3 | 7 |
| 89 | Enhancing laboratory capacity during Ebola virus disease (EVD) heightened surveillance in Liberia: lessons learned and recommendations. <i>Pan African Medical Journal</i> , 2019, 33, 8. | 0.8 | 7 |
| 90 | Letter to the Editor. <i>AIDS Research and Human Retroviruses</i> , 1999, 15, 1713-1715. | 1.1 | 6 |

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|----|--|-----|-----------|
| 91 | Donor variability in HIV binding to peripheral blood mononuclear cells. <i>Virology Journal</i> , 2008, 5, 95. | 3.4 | 6 |
| 92 | Therapeutics Against Filovirus Infection. <i>Current Topics in Microbiology and Immunology</i> , 2017, 411, 263-290. | 1.1 | 3 |
| 93 | Avian Influenza Is a Catalyst for Economic and Political Destabilization in Iran. <i>Health Security</i> , 2018, 16, 143-143. | 1.8 | 1 |
| 94 | First Movers in Molecular Detection: Case Comparison on Harnessing Research and Development, Industry, and Entrepreneurship. <i>Frontiers in Medicine</i> , 2021, 8, 639440. | 2.6 | 1 |
| 95 | Filoviruses. , 2014, , 65-80. | | 0 |