

Alison L Hill

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

4,746
citations

201385

27
h-index

301761

39
g-index

55
all docs

55
docs citations

55
times ranked

6144
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Rapid seeding of the viral reservoir prior to SIV viraemia in rhesus monkeys. <i>Nature</i> , 2014, 512, 74-77. | 13.7 | 527 |
| 2 | Antiretroviral-Free HIV-1 Remission and Viral Rebound After Allogeneic Stem Cell Transplantation. <i>Annals of Internal Medicine</i> , 2014, 161, 319. | 2.0 | 370 |
| 3 | Ex vivo analysis identifies effective HIV-1 latency-reversing drug combinations. <i>Journal of Clinical Investigation</i> , 2015, 125, 1901-1912. | 3.9 | 340 |
| 4 | Emotions as infectious diseases in a large social network: the SISa model. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010, 277, 3827-3835. | 1.2 | 253 |
| 5 | Predicting the outcomes of treatment to eradicate the latent reservoir for HIV-1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 13475-13480. | 3.3 | 249 |
| 6 | Ad26/MVA therapeutic vaccination with TLR7 stimulation in SIV-infected rhesus monkeys. <i>Nature</i> , 2016, 540, 284-287. | 13.7 | 246 |
| 7 | Crowding and the shape of COVID-19 epidemics. <i>Nature Medicine</i> , 2020, 26, 1829-1834. | 15.2 | 204 |
| 8 | HIV-1 persistence following extremely early initiation of antiretroviral therapy (ART) during acute HIV-1 infection: An observational study. <i>PLoS Medicine</i> , 2017, 14, e1002417. | 3.9 | 186 |
| 9 | Development of an oral once-weekly drug delivery system for HIV antiretroviral therapy. <i>Nature Communications</i> , 2018, 9, 2. | 5.8 | 180 |
| 10 | Expanded cellular clones carrying replication-competent HIV-1 persist, wax, and wane. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E2575-E2584. | 3.3 | 173 |
| 11 | Antiretroviral dynamics determines HIV evolution and predicts therapy outcome. <i>Nature Medicine</i> , 2012, 18, 1378-1385. | 15.2 | 159 |
| 12 | Infectious Disease Modeling of Social Contagion in Networks. <i>PLoS Computational Biology</i> , 2010, 6, e1000968. | 1.5 | 156 |
| 13 | Evidence for HIV-1 cure after CCR5 Δ 32 allogeneic haemopoietic stem-cell transplantation 30 months post analytical treatment interruption: a case report. <i>Lancet HIV</i> , 2020, 7, e340-e347. | 2.1 | 151 |
| 14 | Imperfect drug penetration leads to spatial monotherapy and rapid evolution of multidrug resistance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E2874-83. | 3.3 | 142 |
| 15 | Evaluation of individual and ensemble probabilistic forecasts of COVID-19 mortality in the United States. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2113561119. | 3.3 | 136 |
| 16 | TLR7 agonists induce transient viremia and reduce the viral reservoir in SIV-infected rhesus macaques on antiretroviral therapy. <i>Science Translational Medicine</i> , 2018, 10, . | 5.8 | 133 |
| 17 | Designing and Interpreting Limiting Dilution Assays: General Principles and Applications to the Latent Reservoir for Human Immunodeficiency Virus-1. <i>Open Forum Infectious Diseases</i> , 2015, 2, ofv123. | 0.4 | 119 |
| 18 | Antigen-driven clonal selection shapes the persistence of HIV-1-infected CD4+ T cells in vivo. <i>Journal of Clinical Investigation</i> , 2021, 131, . | 3.9 | 103 |

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|----|--|------|-----------|
| 19 | Evolution and emergence of infectious diseases in theoretical and real-world networks. <i>Nature Communications</i> , 2015, 6, 6101. | 5.8 | 102 |
| 20 | Silicon Nanoparticles as Hyperpolarized Magnetic Resonance Imaging Agents. <i>ACS Nano</i> , 2009, 3, 4003-4008. | 7.3 | 92 |
| 21 | Real-Time Predictions of Reservoir Size and Rebound Time during Antiretroviral Therapy Interruption Trials for HIV. <i>PLoS Pathogens</i> , 2016, 12, e1005535. | 2.1 | 85 |
| 22 | Dynamics of COVID-19 under social distancing measures are driven by transmission network structure. <i>PLoS Computational Biology</i> , 2021, 17, e1008684. | 1.5 | 67 |
| 23 | The effect of eviction moratoria on the transmission of SARS-CoV-2. <i>Nature Communications</i> , 2021, 12, 2274. | 5.8 | 62 |
| 24 | A Systematic Review of Coronavirus Disease 2019 Vaccine Efficacy and Effectiveness Against Severe Acute Respiratory Syndrome Coronavirus 2 Infection and Disease. <i>Open Forum Infectious Diseases</i> , 2022, 9, . | 0.4 | 62 |
| 25 | Re-evaluating evolution in the HIV reservoir. <i>Nature</i> , 2017, 551, E6-E9. | 13.7 | 60 |
| 26 | Insight into treatment of <scp>HIV</scp> infection from viral dynamics models. <i>Immunological Reviews</i> , 2018, 285, 9-25. | 2.8 | 51 |
| 27 | Prevention of SIVmac251 reservoir seeding in rhesus monkeys by early antiretroviral therapy. <i>Nature Communications</i> , 2018, 9, 5429. | 5.8 | 49 |
| 28 | Life cycle synchronization is a viral drug resistance mechanism. <i>PLoS Computational Biology</i> , 2018, 14, e1005947. | 1.5 | 22 |
| 29 | Projected resurgence of COVID-19 in the United States in July–December 2021 resulting from the increased transmissibility of the Delta variant and faltering vaccination. <i>ELife</i> , 0, 11, . | 2.8 | 22 |
| 30 | Evolutionary dynamics of HIV at multiple spatial and temporal scales. <i>Journal of Molecular Medicine</i> , 2012, 90, 543-561. | 1.7 | 19 |
| 31 | Population structure across scales facilitates coexistence and spatial heterogeneity of antibiotic-resistant infections. <i>PLoS Computational Biology</i> , 2020, 16, e1008010. | 1.5 | 19 |
| 32 | Insufficient Evidence for Rare Activation of Latent HIV in the Absence of Reservoir-Reducing Interventions. <i>PLoS Pathogens</i> , 2016, 12, e1005679. | 2.1 | 19 |
| 33 | Heterocyst patterns without patterning proteins in cyanobacterial filaments. <i>Developmental Biology</i> , 2007, 312, 427-434. | 0.9 | 18 |
| 34 | Mathematical Models of HIV Latency. <i>Current Topics in Microbiology and Immunology</i> , 2017, 417, 131-156. | 0.7 | 18 |
| 35 | Evolutionary dynamics of infectious diseases in finite populations. <i>Journal of Theoretical Biology</i> , 2014, 360, 149-162. | 0.8 | 17 |
| 36 | Dynamics of bed bug infestations and control under disclosure policies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 6473-6481. | 3.3 | 8 |

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|----|--|-----|-----------|
| 37 | A mathematical model for the hemoglobin response to iron intake, based on iron absorption measurements from habitually consumed Indian meals. <i>European Journal of Clinical Nutrition</i> , 2012, 66, 481-487. | 1.3 | 7 |
| 38 | Modeling HIV persistence and cure studies. <i>Current Opinion in HIV and AIDS</i> , 2018, 13, 428-434. | 1.5 | 5 |
| 39 | Comparison of empirical and dynamic models for HIV viral load rebound after treatment interruption. <i>Statistical Communications in Infectious Diseases</i> , 2020, 12, . | 0.2 | 3 |
| 40 | Spatiotemporal trends in bed bug metrics: New York City. <i>PLoS ONE</i> , 2022, 17, e0268798. | 1.1 | 3 |