# Sara Cherry

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9075377/publications.pdf

Version: 2024-02-01

| | | | |
|---|---|---|---|
| 88 papers | 14,632 citations | 47006 47 h-index | 53230 85 g-index |
| 118 all docs | 118 docs citations | 118 times ranked | 32113 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Expedited Approach toward the Rational Design of Noncovalent SARS-CoV-2 Main Protease Inhibitors. Journal of Medicinal Chemistry, 2022, 65, 2848-2865. | 6.4 | 102 |
| 2 | Pyrimidine inhibitors synergize with nucleoside analogues to block SARS-CoV-2. Nature, 2022, 604, 134-140. | 27.8 | 108 |
| 3 | Subcellular Detection of SARS-CoV-2 RNA in Human Tissue Reveals Distinct Localization in Alveolar Type 2 Pneumocytes and Alveolar Macrophages. MBio, 2022, 13, e0375121. | 4.1 | 18 |
| 4 | Abstract LB188: Identification of intrinsic molecular vulnerabilities in inherited and treatment-related hypermutant patient-derived glioma cell line models. Cancer Research, 2022, 82, LB188-LB188. | 0.9 | 0 |
| 5 | Alternative splicing redefines landscape of commonly mutated genes in acute myeloid leukemia. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, . | 7.1 | 24 |
| 6 | Drug repurposing screens reveal cell-type-specific entry pathways and FDA-approved drugs active against SARS-Cov-2. Cell Reports, 2021, 35, 108959. | 6.4 | 176 |
| 7 | High-throughput screening of the ReFRAME, Pandemic Box, and COVID Box drug repurposing libraries against SARS-CoV-2 nsp15 endoribonuclease to identify small-molecule inhibitors of viral activity. PLoS ONE, 2021, 16, e0250019. | 2.5 | 27 |
| 8 | Seasonal human coronavirus antibodies are boosted upon SARS-CoV-2 infection but not associated with protection. Cell, 2021, 184, 1858-1864.e10. | 28.9 | 332 |
| 9 | Pharmacological activation of STING blocks SARS-CoV-2 infection. Science Immunology, 2021, 6, . | 11.9 | 123 |
| 10 | Lipid droplet screen in human hepatocytes identifies TRRAP as a regulator of cellular triglyceride metabolism. Clinical and Translational Science, 2021, 14, 1369-1379. | 3.1 | 4 |
| 11 | SARS-CoV-2 viral proteins NSP1 and NSP13 inhibit interferon activation through distinct mechanisms. PLoS ONE, 2021, 16, e0253089. | 2.5 | 75 |
| 12 | Femtomolar SARS-CoV-2 Antigen Detection Using the Microbubbling Digital Assay with Smartphone Readout Enables Antigen Burden Quantitation and Tracking. Clinical Chemistry, 2021, 68, 230-239. | 3.2 | 11 |
| 13 | Targeting the coronavirus nucleocapsid protein through GSK-3 inhibition. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, . | 7.1 | 51 |
| 14 | Beyond the Surface: Endocytosis of Mosquito-Borne Flaviviruses. Viruses, 2021, 13, 13. | 3.3 | 22 |
| 15 | Orally acquired cyclic dinucleotides drive dSTING-dependent antiviral immunity in enterocytes. Cell Reports, 2021, 37, 110150. | 6.4 | 10 |
| 16 | Deep immune profiling of COVID-19 patients reveals distinct immunotypes with therapeutic implications. Science, 2020, 369, . | 12.6 | 1,280 |
| 17 | Deciphering flavivirusâ€“host interactions using quantitative proteomics. Current Opinion in Immunology, 2020, 66, 90-97. | 5.5 | 4 |
| 18 | DDX56 Binds to Chikungunya Virus RNA To Control Infection. MBio, 2020, 11, . | 4.1 | 15 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Alternative splicing and cancer: insights, opportunities, and challenges from an expanding view of the transcriptome. Genes and Development, 2020, 34, 1005-1016. | 5.9 | 61 |
| 20 | JEM women in STEM: Unique journeys with a common purpose. Journal of Experimental Medicine, 2020, 217, . | 8.5 | 1 |
| 21 | Using Diverse Model Systems to Define Intestinal Epithelial Defenses to Enteric Viral Infections. Cell Host and Microbe, 2020, 27, 329-344. | 11.0 | 21 |
| 22 | DEAD-Box Helicases: Sensors, Regulators, and Effectors for Antiviral Defense. Viruses, 2020, 12, 181. | 3.3 | 79 |
| 23 | An Evolutionary Insertion in the Mxra8 Receptor-Binding Site Confers Resistance to Alphavirus Infection and Pathogenesis. Cell Host and Microbe, 2020, 27, 428-440.e9. | 11.0 | 26 |
| 24 | Drosophila melanogaster as a model for arbovirus infection of adult salivary glands. Virology, 2020, 543, 1-6. | 2.4 | 7 |
| 25 | Viral-induced alternative splicing of host genes promotes influenza replication. ELife, 2020, 9, . | 6.0 | 46 |
| 26 | DNA mismatch repair is required for the host innate response and controls cellular fate after influenza virus infection. Nature Microbiology, 2019, 4, 1964-1977. | 13.3 | 24 |
| 27 | Sirtuin Inhibitors Are Broadly Antiviral against Arboviruses. MBio, 2019, 10, . | 4.1 | 15 |
| 28 | Expression of the Mxra8 Receptor Promotes Alphavirus Infection and Pathogenesis in Mice and Drosophila. Cell Reports, 2019, 28, 2647-2658.e5. | 6.4 | 55 |
| 29 | Going in Circles: The Black Box of Circular RNA Immunogenicity. Molecular Cell, 2019, 76, 3-5. | 9.7 | 19 |
| 30 | The Integrator complex cleaves nascent mRNAs to attenuate transcription. Genes and Development, 2019, 33, 1525-1538. | 5.9 | 113 |
| 31 | Identification of antiviral roles for the exonâ€“junction complex and nonsense-mediated decay in flaviviral infection. Nature Microbiology, 2019, 4, 985-995. | 13.3 | 52 |
| 32 | Encephalomyocarditis Virus Entry Unveiled. MBio, 2019, 10, . | 4.1 | 1 |
| 33 | Long noncoding RNAs and the regulation of innate immunity and host-virus interactions. Journal of Leukocyte Biology, 2019, 106, 83-93. | 3.3 | 15 |
| 34 | Zika virus infection activates sting-dependent antiviral autophagy in the Drosophila brain. Autophagy, 2019, 15, 174-175. | 9.1 | 31 |
| 35 | Flavivirus internalization is regulated by a size-dependent endocytic pathway. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 4246-4251. | 7.1 | 89 |
| 36 | Smartphone-Based Mobile Detection Platform for Molecular Diagnostics and Spatiotemporal Disease Mapping. Analytical Chemistry, 2018, 90, 4823-4831. | 6.5 | 95 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Comparative Flavivirus-Host Protein Interaction Mapping Reveals Mechanisms of Dengue and Zika Virus Pathogenesis. Cell, 2018, 175, 1931-1945.e18. | 28.9 | 252 |
| 38 | From chemistry to fruit flies: An unpredictable series of fortunate conversations. PLoS Pathogens, 2018, 14, e1007077. | 4.7 | 0 |
| 39 | Inflammation-Induced, STING-Dependent Autophagy Restricts Zika Virus Infection in the Drosophila Brain. Cell Host and Microbe, 2018, 24, 57-68.e3. | 11.0 | 195 |
| 40 | Screening Bioactives Reveals Nanchangmycin as a Broad Spectrum Antiviral Active against Zika Virus. Cell Reports, 2017, 18, 804-815. | 6.4 | 144 |
| 41 | Microbial Respiration and Formate Oxidation as Metabolic Signatures of Inflammation-Associated Dysbiosis. Cell Host and Microbe, 2017, 21, 208-219. | 11.0 | 239 |
| 42 | A RHIM with a View: FLYing with Functional Amyloids. Immunity, 2017, 47, 604-606. | 14.3 | 2 |
| 43 | The Output of Protein-Coding Genes Shifts to Circular RNAs When the Pre-mRNA Processing Machinery Is Limiting. Molecular Cell, 2017, 68, 940-954.e3. | 9.7 | 319 |
| 44 | MAFB enhances oncogenic Notch signaling in T cell acute lymphoblastic leukemia. Science Signaling, 2017, 10, . | 3.6 | 15 |
| 45 | RNase III nucleases from diverse kingdoms serve as antiviral effectors. Nature, 2017, 547, 114-117. | 27.8 | 57 |
| 46 | Attacked from All Sides: RNA Decay in Antiviral Defense. Viruses, 2017, 9, 2. | 3.3 | 56 |
| 47 | Type III Interferons Produced by Human Placental Trophoblasts Confer Protection against Zika Virus Infection. Cell Host and Microbe, 2016, 19, 705-712. | 11.0 | 464 |
| 48 | A conserved virus-induced cytoplasmic TRAMP-like complex recruits the exosome to target viral RNA for degradation. Genes and Development, 2016, 30, 1658-1670. | 5.9 | 49 |
| 49 | Instrument-Free Point-of-Care Molecular Detection of Zika Virus. Analytical Chemistry, 2016, 88, 7289-7294. | 6.5 | 263 |
| 50 | A CRISPR screen defines a signal peptide processing pathway required by flaviviruses. Nature, 2016, 535, 164-168. | 27.8 | 327 |
| 51 | Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222. | 9.1 | 4,701 |
| 52 | The Orphan Nuclear Receptor TLX Is an Enhancer of STAT1-Mediated Transcription and Immunity to Toxoplasma gondii. PLoS Biology, 2015, 13, e1002200. | 5.6 | 25 |
| 53 | Virus-induced translational arrest through 4EBP1/2-dependent decay of 5â€²-TOP mRNAs restricts viral infection. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E2920-9. | 7.1 | 45 |
| 54 | RNASEK is required for internalization of diverse acid-dependent viruses. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 7797-7802. | 7.1 | 48 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | The Transcription Factor FoxK Participates with Nup98 To Regulate Antiviral Gene Expression. MBio, 2015, 6, . | 4.1 | 21 |
| 56 | A genome-wide RNAi screening method to discover novel genes involved in virus infection. Methods, 2015, 91, 75-81. | 3.8 | 8 |
| 57 | RIP3 Regulates Autophagy and Promotes Coxsackievirus B3 Infection of Intestinal Epithelial Cells. Cell Host and Microbe, 2015, 18, 221-232. | 11.0 | 59 |
| 58 | Combinatorial control of Drosophila circular RNA expression by intronic repeats, hnRNPs, and SR proteins. Genes and Development, 2015, 29, 2168-2182. | 5.9 | 419 |
| 59 | Virus-Host Interactions: From Unbiased Genetic Screens to Function. Annual Review of Virology, 2015, 2, 497-524. | 6.7 | 40 |
| 60 | Microbiota-Dependent Priming of Antiviral Intestinal Immunity in Drosophila. Cell Host and Microbe, 2015, 18, 571-581. | 11.0 | 135 |
| 61 | The Major Cellular Sterol Regulatory Pathway Is Required for Andes Virus Infection. PLoS Pathogens, 2014, 10, e1003911. | 4.7 | 80 |
| 62 | Genome-Wide RNAi Screen Identifies Broadly-Acting Host Factors That Inhibit Arbovirus Infection. PLoS Pathogens, 2014, 10, e1003914. | 4.7 | 78 |
| 63 | Immunity in Drosophila melanogaster â€" from microbial recognition to whole-organism physiology. Nature Reviews Immunology, 2014, 14, 796-810. | 22.7 | 661 |
| 64 | Drosha as an interferon-independent antiviral factor. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 7108-7113. | 7.1 | 64 |
| 65 | Antiviral Autophagy Restricts Rift Valley Fever Virus Infection and Is Conserved from Flies to Mammals. Immunity, 2014, 40, 51-65. | 14.3 | 138 |
| 66 | Stem-Loop Recognition by DDX17 Facilitates miRNA Processing and Antiviral Defense. Cell, 2014, 158, 764-777. | 28.9 | 103 |
| 67 | Nup98 promotes antiviral gene expression to restrict RNA viral infection in Drosophila. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E3890-9. | 7.1 | 39 |
| 68 | Asparagine Plays a Critical Role in Regulating Cellular Adaptation to Glutamine Depletion. Molecular Cell, 2014, 56, 205-218. | 9.7 | 347 |
| 69 | Viruses and antiviral immunity in Drosophila. Developmental and Comparative Immunology, 2014, 42, 67-84. | 2.3 | 117 |
| 70 | Genome-wide RNAi Screen Identifies SEC61A and VCP as Conserved Regulators of Sindbis Virus Entry. Cell Reports, 2013, 5, 1737-1748. | 6.4 | 57 |
| 71 | Bunyaviral cap-snatching vs. decapping: Recycling cell cycle mRNAs. Cell Cycle, 2013, 12, 3711-3712. | 2.6 | 15 |
| 72 | A genome-wide RNAi screen reveals that mRNA decapping restricts bunyaviral replication by limiting the pools of Dcp2-accessible targets for cap-snatching. Genes and Development, 2013, 27, 1511-1525. | 5.9 | 86 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | ERK signaling couples nutrient status to antiviral defense in the insect gut. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 15025-15030. | 7.1 | 88 |
| 74 | Transcriptional Pausing Controls a Rapid Antiviral Innate Immune Response in Drosophila. Cell Host and Microbe, 2012, 12, 531-543. | 11.0 | 78 |
| 75 | Virus Recognition by Toll-7 Activates Antiviral Autophagy in Drosophila. Immunity, 2012, 36, 658-667. | 14.3 | 237 |
| 76 | Viral Immunofluorescence with Rift Valley Fever Virus Infected MEFs in a 96 Well Plate. Bio-protocol, 2012, 2, . | 0.4 | 0 |
| 77 | Natural Resistance-Associated Macrophage Protein Is a Cellular Receptor for Sindbis Virus in Both Insect and Mammalian Hosts. Cell Host and Microbe, 2011, 10, 97-104. | 11.0 | 135 |
| 78 | RNAi Screening for Host Factors Involved in Viral Infection Using Drosophila Cells. Methods in Molecular Biology, 2011, 721, 375-382. | 0.9 | 8 |
| 79 | RNAi screening reveals new players in the defense against RNA viruses. FASEB Journal, 2011, 25, 941.5. | 0.5 | 0 |
| 80 | Rift Valley Fever Virus Infection of Human Cells and Insect Hosts Is Promoted by Protein Kinase C Epsilon. PLoS ONE, 2010, 5, e15483. | 2.5 | 47 |
| 81 | VSV infection is sensed by Drosophila, attenuates nutrient signaling, and thereby activates antiviral autophagy. Autophagy, 2009, 5, 1062-1063. | 9.1 | 22 |
| 82 | Autophagy Is an Essential Component of Drosophila Immunity against Vesicular Stomatitis Virus. Immunity, 2009, 30, 588-598. | 14.3 | 417 |
| 83 | What have RNAi screens taught us about viralâ€“host interactions?. Current Opinion in Microbiology, 2009, 12, 446-452. | 5.1 | 57 |
| 84 | Genomic RNAi screening in Drosophila S2 cells: what have we learned about hostâ€“pathogen interactions?. Current Opinion in Microbiology, 2008, 11, 262-270. | 5.1 | 54 |
| 85 | Host-pathogen interactions in drosophila: new tricks from an old friend. Nature Immunology, 2006, 7, 911-917. | 14.5 | 196 |
| 86 | COPI Activity Coupled with Fatty Acid Biosynthesis Is Required for Viral Replication. PLoS Pathogens, 2006, 2, e102. | 4.7 | 111 |
| 87 | Genome-wide RNAi screen reveals a specific sensitivity of IRES-containing RNA viruses to host translation inhibition. Genes and Development, 2005, 19, 445-452. | 5.9 | 193 |
| 88 | Entry is a rate-limiting step for viral infection in a Drosophila melanogaster model of pathogenesis. Nature Immunology, 2004, 5, 81-87. | 14.5 | 105 |