# Sasirekha Ramani

List of Publications by Year
in descending order



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|---|---|---|---|
| 64 papers | 4,637 citations | 126907 33 h-index | 123424 61 g-index |
| 67 all docs | 67 docs citations | 67 times ranked | 4705 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Replication of human noroviruses in stem cellâ€“derived human enteroids. Science, 2016, 353, 1387-1393. | 12.6 | 1,056 |
| 2 | Rotavirus infection. Nature Reviews Disease Primers, 2017, 3, 17083. | 30.5 | 419 |
| 3 | Determination of the 50% Human Infectious Dose for Norwalk Virus. Journal of Infectious Diseases, 2014, 209, 1016-1022. | 4.0 | 261 |
| 4 | Protective Effect of Natural Rotavirus Infection in an Indian Birth Cohort. New England Journal of Medicine, 2011, 365, 337-346. | 27.0 | 190 |
| 5 | Epidemiology of human noroviruses and updates on vaccine development. Current Opinion in Gastroenterology, 2014, 30, 25-33. | 2.3 | 156 |
| 6 | Causes of impaired oral vaccine efficacy in developing countries. Future Microbiology, 2018, 13, 97-118. | 2.0 | 154 |
| 7 | Human milk oligosaccharides, milk microbiome and infant gut microbiome modulate neonatal rotavirus infection. Nature Communications, 2018, 9, 5010. | 12.8 | 130 |
| 8 | Human Milk Contains Novel Glycans That Are Potential Decoy Receptors for Neonatal Rotaviruses. Molecular and Cellular Proteomics, 2014, 13, 2944-2960. | 3.8 | 113 |
| 9 | Human Intestinal Enteroids: New Models to Study Gastrointestinal Virus Infections. Methods in Molecular Biology, 2017, 1576, 229-247. | 0.9 | 112 |
| 10 | Milk Oligosaccharides Inhibit Human Rotavirus Infectivity in MA104 Cells. Journal of Nutrition, 2017, 147, 1709-1714. | 2.9 | 107 |
| 11 | Human noroviruses: recent advances in a 50-year history. Current Opinion in Infectious Diseases, 2018, 31, 422-432. | 3.1 | 103 |
| 12 | Prospects and Challenges in the Development of a Norovirus Vaccine. Clinical Therapeutics, 2017, 39, 1537-1549. | 2.5 | 95 |
| 13 | Viruses causing childhood diarrhoea in the developing world. Current Opinion in Infectious Diseases, 2009, 22, 477-482. | 3.1 | 88 |
| 14 | Human Norovirus Cultivation in Nontransformed Stem Cell-Derived Human Intestinal Enteroid Cultures: Success and Challenges. Viruses, 2019, 11, 638. | 3.3 | 84 |
| 15 | Engineered Human Gastrointestinal Cultures to Study the Microbiome and Infectious Diseases. Cellular and Molecular Gastroenterology and Hepatology, 2018, 5, 241-251. | 4.5 | 82 |
| 16 | Mucosal and Cellular Immune Responses to Norwalk Virus. Journal of Infectious Diseases, 2015, 212, 397-405. | 4.0 | 81 |
| 17 | Human organoid cultures: transformative new tools for human virus studies. Current Opinion in Virology, 2018, 29, 79-86. | 5.4 | 78 |
| 18 | New Insights and Enhanced Human Norovirus Cultivation in Human Intestinal Enteroids. MSphere, 2021, 6, . | 2.9 | 78 |

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|---|---|---|---|
| 19 | Bile acids and ceramide overcome the entry restriction for GII.3 human norovirus replication in human intestinal enteroids. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 1700-1710. | 7.1 | 75 |
| 20 | The VP8* Domain of Neonatal Rotavirus Strain G10P[11] Binds to Type II Precursor Glycans. Journal of Virology, 2013, 87, 7255-7264. | 3.4 | 74 |
| 21 | Diversity in Rotavirusâ€“Host Glycan Interactions: A â€œSweetâ€•Spectrum. Cellular and Molecular Gastroenterology and Hepatology, 2016, 2, 263-273. | 4.5 | 72 |
| 22 | Genetic Manipulation of Human Intestinal Enteroids Demonstrates the Necessity of a Functional Fucosyltransferase 2 Gene for Secretor-Dependent Human Norovirus Infection. MBio, 2020, 11, . | 4.1 | 65 |
| 23 | Glycan recognition in globally dominant human rotaviruses. Nature Communications, 2018, 9, 2631. | 12.8 | 63 |
| 24 | Human norovirus exhibits strain-specific sensitivity to host interferon pathways in human intestinal enteroids. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 23782-23793. | 7.1 | 63 |
| 25 | Structural Characterization by Multistage Mass Spectrometry (MSn) of Human Milk Glycans Recognized by Human Rotaviruses. Molecular and Cellular Proteomics, 2014, 13, 2961-2974. | 3.8 | 58 |
| 26 | Structural basis of glycan specificity in neonate-specific bovine-human reassortant rotavirus. Nature Communications, 2015, 6, 8346. | 12.8 | 50 |
| 27 | Rotavirus Infection in the Neonatal Nurseries of a Tertiary Care Hospital in India. Pediatric Infectious Disease Journal, 2008, 27, 719-723. | 2.0 | 48 |
| 28 | Neonatal Infection with G10P[11] Rotavirus Did Not Confer Protection against Subsequent Rotavirus Infection in a Community Cohort in Vellore, South India. Journal of Infectious Diseases, 2007, 195, 625-632. | 4.0 | 45 |
| 29 | Whole genome characterization of reassortant G10P[11] strain (N155) from a neonate with symptomatic rotavirus infection: Identification of genes of human and animal rotavirus origin. Journal of Clinical Virology, 2009, 45, 237-244. | 3.1 | 45 |
| 30 | Geographic Information Systems and Genotyping in Identification of Rotavirus G12 Infections in Residents of an Urban Slum with Subsequent Detection in Hospitalized Children: Emergence of G12 Genotype in South India. Journal of Clinical Microbiology, 2007, 45, 432-437. | 3.9 | 44 |
| 31 | Correlates of Protection against Norovirus Infection and Diseaseâ€”Where Are We Now, Where Do We Go?. PLoS Pathogens, 2016, 12, e1005334. | 4.7 | 44 |
| 32 | Rotavirus Antigenemia in Indian Children with Rotavirus Gastroenteritis and Asymptomatic Infections. Clinical Infectious Diseases, 2010, 51, 1284-1289. | 5.8 | 37 |
| 33 | Norovirus Gastroenteritis in a Birth Cohort in Southern India. PLoS ONE, 2016, 11, e0157007. | 2.5 | 35 |
| 34 | Comparison of Microneutralization and Histo-Blood Group Antigenâ€“Blocking Assays for Functional Norovirus Antibody Detection. Journal of Infectious Diseases, 2019, 221, 739-743. | 4.0 | 34 |
| 35 | Structural basis of glycan interaction in gastroenteric viral pathogens. Current Opinion in Virology, 2014, 7, 119-127. | 5.4 | 32 |
| 36 | Human VP8* mAbs neutralize rotavirus selectively in human intestinal epithelial cells. Journal of Clinical Investigation, 2019, 129, 3839-3851. | 8.2 | 32 |

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| 37 | Burden of disease & molecular epidemiology of group A rotavirus infections in India. Indian Journal of Medical Research, 2007, 125, 619-32. | 1.0 | 28 |
| 38 | Rotavirus Serum IgA Immune Response in Children Receiving Rotarix Coadministered With bOPV or IPV. Pediatric Infectious Disease Journal, 2016, 35, 1137-1139. | 2.0 | 27 |
| 39 | Investigation of the environment and of mothers in transmission of rotavirus infections in the neonatal nursery. Journal of Medical Virology, 2008, 80, 1099-1105. | 5.0 | 23 |
| 40 | Two- and Three-Dimensional Bioengineered Human Intestinal Tissue Models for Cryptosporidium. Methods in Molecular Biology, 2020, 2052, 373-402. | 0.9 | 22 |
| 41 | Influence of histo blood group antigen expression on susceptibility to enteric viruses and vaccines. Current Opinion in Infectious Diseases, 2019, 32, 445-452. | 3.1 | 21 |
| 42 | Comparison of viral load and duration of virus shedding in symptomatic and asymptomatic neonatal rotavirus infections. Journal of Medical Virology, 2010, 82, 1803-1807. | 5.0 | 20 |
| 43 | Establishing Human Intestinal Enteroid/Organoid Lines from Preterm Infant and Adult Tissue. Methods in Molecular Biology, 2020, 2121, 185-198. | 0.9 | 20 |
| 44 | Association of serum antibodies with protection against rotavirus infection and disease in South Indian children. Vaccine, 2014, 32, A55-A61. | 3.8 | 19 |
| 45 | B-Cell Responses to Intramuscular Administration of a Bivalent Virus-Like Particle Human Norovirus Vaccine. Vaccine Journal, 2017, 24, . | 3.1 | 17 |
| 46 | Meta-analysis of host transcriptional responses to SARS-CoV-2 infection reveals their manifestation in human tumors. Scientific Reports, 2021, 11, 2459. | 3.3 | 17 |
| 47 | Drivers of transcriptional variance in human intestinal epithelial organoids. Physiological Genomics, 2021, 53, 486-508. | 2.3 | 17 |
| 48 | Glycan Recognition in Human Norovirus Infections. Viruses, 2021, 13, 2066. | 3.3 | 15 |
| 49 | Human and bovine rotavirus strain antigens for evaluation of immunogenicity in a randomized, double-blind, placebo-controlled trial of a single dose live attenuated tetravalent, bovine-human-reassortant, oral rotavirus vaccine in Indian adults. Vaccine, 2014, 32, 3094-3100. | 3.8 | 13 |
| 50 | Diversity of rotavirus genotypes circulating in children <â€‰5â€‰years of age hospitalized for acute gastroenteritis in India from 2005 to 2016: analysis of temporal and regional genotype variation. BMC Infectious Diseases, 2020, 20, 740. | 2.9 | 13 |
| 51 | Absence of Genetic Differences among G10P[11] Rotaviruses Associated with Asymptomatic and Symptomatic Neonatal Infections in Vellore, India. Journal of Virology, 2014, 88, 9060-9071. | 3.4 | 12 |
| 52 | Organoids to Dissect Gastrointestinal Virusâ€“Host Interactions: What Have We Learned?. Viruses, 2021, 13, 999. | 3.3 | 11 |
| 53 | Distinct gene expression profiles between human preterm-derived and adult-derived intestinal organoids exposed toEnterococcus faecalis: a pilot study. Gut, 2022, 71, 2141-2143. | 12.1 | 10 |
| 54 | Predominance of Rotavirus G8P[8] in a City in Chile, a Country Without Rotavirus Vaccination. Journal of Pediatrics, 2019, 204, 298-300.e1. | 1.8 | 8 |

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|---|---|---|---|
| 55 | Norovirus in Cancer Patients: A Review. Open Forum Infectious Diseases, 2021, 8, ofab126. | 0.9 | 6 |
| 56 | Persistence of G10P[11] neonatal rotavirus infections in southern India. Journal of Clinical Virology, 2021, 144, 104989. | 3.1 | 4 |
| 57 | Norovirus Protease Structure and Antivirals Development. Viruses, 2021, 13, 2069. | 3.3 | 3 |
| 58 | Going Viral! Unraveling the Impact of Nonpolio Enteroviruses on Oral Vaccine Responses. Journal of Infectious Diseases, 2019, 219, 1173-1175. | 4.0 | 2 |
| 59 | Birth Cohort Studies: Toward Understanding Protective Immunity to Human Noroviruses. Clinical Infectious Diseases, 2021, 72, 230-232. | 5.8 | 2 |
| 60 | Inactivation of rotavirus in water by copper pot. Journal of Water Sanitation and Hygiene for Development, 2011, 1, 165-169. | 1.8 | 1 |
| 61 | 1098. Norovirus Infection in Cancer Patients Undergoing Chimeric Antigen Receptor T-cell Immunotherapy (CAR-T). Open Forum Infectious Diseases, 2020, 7, S578-S579. | 0.9 | 1 |
| 62 | Multidisciplinary Studies on Rotavirusâ€“Human Milk Oligosaccharide Interactions. Breastfeeding Medicine, 2018, 13, S-9-S-10. | 1.7 | 0 |
| 63 | 2650. Evaluating Antiviral Agents for Human Noroviruses Using a Human Intestinal Enteroid Model. Open Forum Infectious Diseases, 2019, 6, S927-S928. | 0.9 | 0 |
| 64 | 700. Risk Factors and Molecular Epidemiology of Acute and Chronic Norovirus Infection at a Large Tertiary Care Cancer Center. Open Forum Infectious Diseases, 2021, 8, S450-S451. | 0.9 | 0 |