Suryaram Gummuluru

List of Publications by Year
in descending order

53 papers	2,862 citations	218677 26 h-index	182427 51 g-index
57 all docs	57 docs citations	57 times ranked	4231 citing authors

#	Article	IF	Citations
1	Immature dendritic cell-derived exosomes can mediate HIV-1 trans infection. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 738-743.	7.1	268
2	Capture and transfer of HIV-1 particles by mature dendritic cells converges with the exosome-dissemination pathway. Blood, 2009, 113, 2732-2741.	1.4	208
3	CD209L/L-SIGN and CD209/DC-SIGN Act as Receptors for SARS-CoV-2. ACS Central Science, 2021, 7, 1156-1165.	11.3	165
4	Interferon-Inducible Mechanism of Dendritic Cell-Mediated HIV-1 Dissemination Is Dependent on Siglec-1/CD169. PLoS Pathogens, 2013, 9, e1003291.	4.7	159
5	Deamination-Independent Inhibition of Hepatitis B Virus Reverse Transcription by APOBEC3G. Journal of Virology, 2007, 81, 4465-4472.	3.4	147
6	Hsp70â€“Bag3 Interactions Regulate Cancer-Related Signaling Networks. Cancer Research, 2014, 74, 4731-4740.	0.9	141
7	Binding of Human Immunodeficiency Virus Type 1 to Immature Dendritic Cells Can Occur Independently of DC-SIGN and Mannose Binding C-Type Lectin Receptors via a Cholesterol-Dependent Pathway. Journal of Virology, 2003, 77, 12865-12874.	3.4	127
8	HIV-1 incorporation of host-cellâ€“derived glycosphingolipid GM3 allows for capture by mature dendritic cells. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 7475-7480.	7.1	109
9	Cell Cycle- and Vpr-Mediated Regulation of Human Immunodeficiency Virus Type 1 Expression in Primary and Transformed T-Cell Lines. Journal of Virology, 1999, 73, 5422-5430.	3.4	109
10	An In Vitro Rapid-Turnover Assay for Human Immunodeficiency Virus Type 1 Replication Selects for Cell-to-Cell Spread of Virus. Journal of Virology, 2000, 74, 10882-10891.	3.4	98
11	PPARÎ³ and LXR Signaling Inhibit Dendritic Cell-Mediated HIV-1 Capture and trans-Infection. PLoS Pathogens, 2010, 6, e1000981.	4.7	73
12	Glycosphingolipid Composition of Human Immunodeficiency Virus Type 1 (HIV-1) Particles Is a Crucial Determinant for Dendritic Cell-Mediated HIV-1 <i>trans</i> -Infection. Journal of Virology, 2009, 83, 3496-3506.	3.4	62
13	Lipid-Mediated Targeting with Membrane-Wrapped Nanoparticles in the Presence of Corona Formation. ACS Nano, 2016, 10, 1189-1200.	14.6	62
14	CD169-Mediated Trafficking of HIV to Plasma Membrane Invaginations in Dendritic Cells Attenuates Efficacy of Anti-gp120 Broadly Neutralizing Antibodies. PLoS Pathogens, 2015, 11, e1004751.	4.7	60
15	Glycosphingolipid-functionalized nanoparticles recapitulate CD169-dependent HIV-1 uptake and trafficking in dendritic cells. Nature Communications, 2014, 5, 4136.	12.8	59
16	HIV-1 intron-containing RNA expression induces innate immune activation and T cell dysfunction. Nature Communications, 2018, 9, 3450.	12.8	59
17	Dendritic Cell-Mediated Viral Transfer to T Cells Is Required for Human Immunodeficiency Virus Type 1 Persistence in the Face of Rapid Cell Turnover. Journal of Virology, 2002, 76, 10692-10701.	3.4	56
18	HIV-1 replicates and persists in vaginal epithelial dendritic cells. Journal of Clinical Investigation, 2018, 128, 3439-3444.	8.2	56

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19	Functional Interplay Between Murine Leukemia Virus Glycogag, Serinc5, and Surface Glycoprotein Governs Virus Entry, with Opposite Effects on Gammaretroviral and Ebolavirus Glycoproteins. MBio, 2016, 7, .	4.1	49
20	Interferon-Inducible CD169/Siglec1 Attenuates Anti-HIV-1 Effects of Alpha Interferon. Journal of Virology, 2017, 91, .	3.4	49
21	Direct Sequence Analysis of Human Herpesvirus 6 (HHV-6) Sequences from Infants and Comparison of HHV-6 Sequences from Mother/Infant Pairs. Clinical Infectious Diseases, 1995, 21, 1017-1019.	5.8	38
22	Transmembrane Domain Membrane Proximal External Region but Not Surface Unitâ€"Directed Broadly Neutralizing HIV-1 Antibodies Can Restrict Dendritic Cellâ€"Mediated HIV-1 Trans-infection. Journal of Infectious Diseases, 2012, 205, 1248-1257.	4.0	38
23	Virus Particle Release from Glycosphingolipid-Enriched Microdomains Is Essential for Dendritic Cell-Mediated Capture and Transfer of HIV-1 and Henipavirus. Journal of Virology, 2014, 88, 8813-8825.	3.4	38
24	Membrane-wrapped nanoparticles probe divergent roles of GM3 and phosphatidylserine in lipid-mediated viral entry pathways. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E9041-E9050.	7.1	38
25	CD169-Dependent Cell-Associated HIV-1 Transmission: A Driver of Virus Dissemination. Journal of Infectious Diseases, 2014, 210, S641-S647.	4.0	31
26	Apoptosis Correlates with Immune Activation in Intestinal Lymphoid Tissue from Macaques Acutely Infected by a Highly Enteropathic Simian Immunodeficiency Virus, SIVsmmPBj14. Virology, 1996, 225, 21-32.	2.4	30
27	Virion-Associated Vpr Alleviates a Postintegration Block to HIV-1 Infection of Dendritic Cells. Journal of Virology, 2017, 91, .	3.4	30
28	TIM-mediated inhibition of HIV-1 release is antagonized by Nef but potentiated by SERINC proteins. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 5705-5714.	7.1	28
29	Dressing up Nanoparticles: A Membrane Wrap to Induce Formation of the Virological Synapse. ACS Nano, 2015, 9, 4182-4192.	14.6	26
30	Stiffness of HIVâ€1 Mimicking Polymer Nanoparticles Modulates Gangliosideâ€Mediated Cellular Uptake and Trafficking. Advanced Science, 2020, 7, 2000649.	11.2	26
31	Plasmonic Enhancement of Selective Photonic Virus Inactivation. Scientific Reports, 2017, 7, 11951.	3.3	25
32	Role of Glycosphingolipids in Dendritic Cell-Mediated HIV-1 Trans-infection. Advances in Experimental Medicine and Biology, 2012, 762, 131-153.	1.6	24
33	Spontaneous Mutation at Amino Acid 544 of the Ebola Virus Glycoprotein Potentiates Virus Entry and Selection in Tissue Culture. Journal of Virology, 2017, 91, .	3.4	24
34	A mechanistic overview of dendritic cell-mediated HIV-1<i>trans</i>infection: the story so far. Future Virology, 2015, 10, 257-269.	1.8	23
35	Strength of T cell signaling regulates HIV-1 replication and establishment of latency. PLoS Pathogens, 2019, 15, e1007802.	4.7	20
36	SIVsmmPBj14Induces Expression of a Mucosal Integrin on Macaque Lymphocytes. Virology, 1996, 215, 97-100.	2.4	18

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37	Illuminating the Role of Vpr in HIV Infection of Myeloid Cells. Frontiers in Immunology, 2019, 10, 1606.	4.8	17
38	HIV-1 Persistence and Chronic Induction of Innate Immune Responses in Macrophages. Viruses, 2020, 12, 711.	3.3	17
39	Expression of HIV-1 Intron-Containing RNA in Microglia Induces Inflammatory Responses. Journal of Virology, 2021, 95, .	3.4	15
40	Access of HIV-2 to CD169-dependent dendritic cell-mediated trans infection pathway is attenuated. Virology, 2016, 497, 328-336.	2.4	14
41	Quantifying Lipid Contents in Enveloped Virus Particles with Plasmonic Nanoparticles. Small, 2015, 11, 1592-1602.	10.0	13
42	Novel ELISA Protocol Links Pre-Existing SARS-CoV-2 Reactive Antibodies With Endemic Coronavirus Immunity and Age and Reveals Improved Serologic Identification of Acute COVID-19 via Multi-Parameter Detection. Frontiers in Immunology, 2021, 12, 614676.	4.8	13
43	The RNA uridyltransferase Zcchc6 is expressed in macrophages and impacts innate immune responses. PLoS ONE, 2017, 12, e0179797.	2.5	12
44	Femtosecond photonic viral inactivation probed using solid-state nanopores. Nano Futures, 2018, 2, 045005.	2.2	12
45	Virus-Mimicking Polymer Nanoparticles Targeting CD169⁺ Macrophages as Long-Acting Nanocarriers for Combination Antiretrovirals. ACS Applied Materials & Interfaces, 2022, 14, 2488-2500.	8.0	12
46	Costimulatory Pathways in Lymphocyte Proliferation Induced by the Simian Immunodeficiency Virus SIVsmmPBj14. Journal of Virology, 1998, 72, 6155-6158.	3.4	11
47	Interleukin 2-inducible T cell kinase (ITK) facilitates efficient egress of HIV-1 by coordinating Gag distribution and actin organization. Virology, 2013, 436, 235-243.	2.4	10
48	Unique Roles for Streptococcus pneumoniae Phosphodiesterase 2 in Cyclic di-AMP Catabolism and Macrophage Responses. Frontiers in Immunology, 2020, 11, 554.	4.8	8
49	Membrane Fluidity Sensing on the Single Virus Particle Level with Plasmonic Nanoparticle Transducers. ACS Sensors, 2017, 2, 1415-1423.	7.8	6
50	Plasmon-Enhanced Pan-Microbial Pathogen Inactivation in the Cavitation Regime: Selectivity Without Targeting. ACS Applied Nano Materials, 2019, 2, 2548-2558.	5.0	6
51	Advances in HIV molecular biology. Aids, 2002, 16, S17-S23.	2.2	5
52	Characterizing Lipidâ€Coated Mesoporous Silica Nanoparticles as CD169â€Binding Delivery System for Rilpivirine and Cabotegravir. Advanced NanoBiomed Research, 2022, 2, .	3.6	3
53	Host-Pathogen Interactions of Retroviruses. Molecular Biology International, 2012, 2012, 1-4.	1.7	1