

Pradeep D Uchil

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

5,286
citations

186209

28
h-index

133188

59
g-index

70
all docs

70
docs citations

70
times ranked

8055
citing authors

#	ARTICLE	IF	CITATIONS
1	TRIM5 is an innate immune sensor for the retrovirus capsid lattice. <i>Nature</i> , 2011, 472, 361-365.	13.7	569
2	Video-rate nanoscopy using sCMOS camera-specific single-molecule localization algorithms. <i>Nature Methods</i> , 2013, 10, 653-658.	9.0	475
3	Analysis of Cell Viability by the MTT Assay. <i>Cold Spring Harbor Protocols</i> , 2018, 2018, pdb.prot095505.	0.2	474
4	RNA interference screen for human genes associated with West Nile virus infection. <i>Nature</i> , 2008, 455, 242-245.	13.7	471
5	Retroviruses Human Immunodeficiency Virus and Murine Leukemia Virus Are Enriched in Phosphoinositides. <i>Journal of Virology</i> , 2008, 82, 11228-11238.	1.5	243
6	Analysis of Cell Viability by the Lactate Dehydrogenase Assay. <i>Cold Spring Harbor Protocols</i> , 2018, 2018, pdb.prot095497.	0.2	235
7	Human TRIM Gene Expression in Response to Interferons. <i>PLoS ONE</i> , 2009, 4, e4894.	1.1	223
8	TRIM E3 Ligases Interfere with Early and Late Stages of the Retroviral Life Cycle. <i>PLoS Pathogens</i> , 2008, 4, e16.	2.1	202
9	TRIM Protein-Mediated Regulation of Inflammatory and Innate Immune Signaling and Its Association with Antiretroviral Activity. <i>Journal of Virology</i> , 2013, 87, 257-272.	1.5	189
10	A single dose of the SARS-CoV-2 vaccine BNT162b2 elicits Fc-mediated antibody effector functions and T _H cell responses. <i>Cell Host and Microbe</i> , 2021, 29, 1137-1150.e6.	5.1	173
11	Retroviruses use CD169-mediated trans-infection of permissive lymphocytes to establish infection. <i>Science</i> , 2015, 350, 563-567.	6.0	155
12	Live imaging of SARS-CoV-2 infection in mice reveals that neutralizing antibodies require Fc function for optimal efficacy. <i>Immunity</i> , 2021, 54, 2143-2158.e15.	6.6	155
13	Real-Time Conformational Dynamics of SARS-CoV-2 Spikes on Virus Particles. <i>Cell Host and Microbe</i> , 2020, 28, 880-891.e8.	5.1	153
14	Architecture of the Flaviviral Replication Complex. <i>Journal of Biological Chemistry</i> , 2003, 278, 24388-24398.	1.6	147
15	Phylogenetic analysis of Japanese encephalitis virus: envelope gene based analysis reveals a fifth genotype, geographic clustering, and multiple introductions of the virus into the Indian subcontinent.. <i>American Journal of Tropical Medicine and Hygiene</i> , 2001, 65, 242-251.	0.6	146
16	Cell-to-Cell Transmission Can Overcome Multiple Donor and Target Cell Barriers Imposed on Cell-Free HIV. <i>PLoS ONE</i> , 2013, 8, e53138.	1.1	140
17	Structural basis and mode of action for two broadly neutralizing antibodies against SARS-CoV-2 emerging variants of concern. <i>Cell Reports</i> , 2022, 38, 110210.	2.9	96
18	HIV cell-to-cell transmission: effects on pathogenesis and antiretroviral therapy. <i>Trends in Microbiology</i> , 2015, 23, 289-295.	3.5	89

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19	TRIM22 Inhibits HIV-1 Transcription Independently of Its E3 Ubiquitin Ligase Activity, Tat, and NF- κ B-Responsive Long Terminal Repeat Elements. <i>Journal of Virology</i> , 2011, 85, 5183-5196.	1.5	87
20	Nuclear Localization of Flavivirus RNA Synthesis in Infected Cells. <i>Journal of Virology</i> , 2006, 80, 5451-5464.	1.5	85
21	A Fc-enhanced NTD-binding non-neutralizing antibody delays virus spread and synergizes with a nAb to protect mice from lethal SARS-CoV-2 infection. <i>Cell Reports</i> , 2022, 38, 110368.	2.9	82
22	Human Genome-Wide RNAi Screen Identifies an Essential Role for Inositol Pyrophosphates in Type-I Interferon Response. <i>PLoS Pathogens</i> , 2014, 10, e1003981.	2.1	68
23	Targeted Disruption of the CCR5 Gene in Human Hematopoietic Stem Cells Stimulated by Peptide Nucleic Acids. <i>Chemistry and Biology</i> , 2011, 18, 1189-1198.	6.2	54
24	Analysis of Cell Viability by the alamarBlue Assay. <i>Cold Spring Harbor Protocols</i> , 2018, 2018, pdb.prot095489.	0.2	47
25	TRIM5 Retroviral Restriction Activity Correlates with the Ability To Induce Innate Immune Signaling. <i>Journal of Virology</i> , 2016, 90, 308-316.	1.5	44
26	Anaplasma phagocytophilum AptA modulates Erk1/2 signalling. <i>Cellular Microbiology</i> , 2011, 13, 47-61.	1.1	43
27	Attachment of Cell-Binding Ligands to Arginine-Rich Cell-Penetrating Peptides Enables Cytosolic Translocation of Complexed siRNA. <i>Chemistry and Biology</i> , 2015, 22, 50-62.	6.2	38
28	TRIM15 is a focal adhesion protein that regulates focal adhesion disassembly. <i>Journal of Cell Science</i> , 2014, 127, 3928-42.	1.2	31
29	Engineered ACE2-Fc counters murine lethal SARS-CoV-2 infection through direct neutralization and Fc-effector activities. <i>Science Advances</i> , 2022, 8, .	4.7	27
30	A Protective Role for the Lectin CD169/Siglec-1 against a Pathogenic Murine Retrovirus. <i>Cell Host and Microbe</i> , 2019, 25, 87-100.e10.	5.1	26
31	Screening for T cell-eliciting proteins of Japanese encephalitis virus in a healthy JE-endemic human cohort using recombinant baculovirus-infected insect cell preparations. <i>Archives of Virology</i> , 2003, 148, 1569-1591.	0.9	20
32	Longitudinal bioluminescent imaging of HIV-1 infection during antiretroviral therapy and treatment interruption in humanized mice. <i>PLoS Pathogens</i> , 2019, 15, e1008161.	2.1	19
33	Small Interfering RNA-Mediated Control of Virus Replication in the CNS Is Therapeutic and Enables Natural Immunity to West Nile Virus. <i>Cell Host and Microbe</i> , 2018, 23, 549-556.e3.	5.1	17
34	Optical Transfection. <i>Cold Spring Harbor Protocols</i> , 2018, 2018, pdb.top096222.	0.2	17
35	Viral entry: a detour through multivesicular bodies. <i>Nature Cell Biology</i> , 2005, 7, 641-642.	4.6	16
36	HIV Entry Revisited. <i>Cell</i> , 2009, 137, 402-404.	13.5	15

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37	Effective suppression of HIV-1 by artificial bispecific miRNA targeting conserved sequences with tolerance for wobble base-pairing. <i>Biochemical and Biophysical Research Communications</i> , 2008, 374, 214-218.	1.0	13
38	DNA Transfection Mediated by Cationic Lipid Reagents. <i>Cold Spring Harbor Protocols</i> , 2019, 2019, pdb.prot095414.	0.2	13
39	DNA Transfection by Electroporation. <i>Cold Spring Harbor Protocols</i> , 2019, 2019, pdb.prot095471.	0.2	12
40	Fc effector cross-reactivity: A hidden arsenal against SARS-CoV-2's evasive maneuvering. <i>Cell Reports Medicine</i> , 2022, 3, 100540.	3.3	12
41	In Vivo Imaging-Driven Approaches to Study Virus Dissemination and Pathogenesis. <i>Annual Review of Virology</i> , 2019, 6, 501-524.	3.0	10
42	The regulatory elements of the <i>Mycobacterium tuberculosis</i> gene Rv3881c function efficiently in <i>Escherichia coli</i> . <i>FEMS Microbiology Letters</i> , 2003, 218, 365-370.	0.7	9
43	Î ² -Galactosidase. <i>Cold Spring Harbor Protocols</i> , 2017, 2017, pdb.top096198.	0.2	9
44	VE607 stabilizes SARS-CoV-2 Spike in the RBD-up conformation and inhibits viral entry. <i>iScience</i> , 2022, 25, 104528.	1.9	8
45	DEAE-Dextran Transfection. <i>Cold Spring Harbor Protocols</i> , 2018, 2018, pdb.top096263.	0.2	7
46	Murine Leukemia Virus Exploits Innate Sensing by Toll-Like Receptor 7 in B-1 Cells To Establish Infection and Locally Spread in Mice. <i>Journal of Virology</i> , 2019, 93, .	1.5	7
47	In vivo imaging of retrovirus infection reveals a role for Siglec-1/CD169 in multiple routes of transmission. <i>ELife</i> , 2021, 10, .	2.8	7
48	Murine Leukemia Virus Spreading in Mice Impaired in the Biogenesis of Secretory Lysosomes and Ca ²⁺ -Regulated Exocytosis. <i>PLoS ONE</i> , 2008, 3, e2713.	1.1	6
49	Selective Agents for Stable Transfection. <i>Cold Spring Harbor Protocols</i> , 2018, 2018, pdb.top096230.	0.2	5
50	Calcium Phosphate-Mediated Transfection of Cells with High-Molecular-Weight Genomic DNA. <i>Cold Spring Harbor Protocols</i> , 2019, 2019, pdb.prot095448.	0.2	5
51	Transfection of Mammalian Cells with Calcium Phosphate-DNA Coprecipitates. <i>Cold Spring Harbor Protocols</i> , 2019, 2019, pdb.top096255.	0.2	4
52	Assay for Î ² -Galactosidase in Extracts of Mammalian Cells. <i>Cold Spring Harbor Protocols</i> , 2017, 2017, pdb.prot095778.	0.2	3
53	Live Imaging of SARS-CoV-2 Infection in Mice Reveals Neutralizing Antibodies Require Fc Function for Optimal Efficacy. <i>SSRN Electronic Journal</i> , 0, , .	0.4	3
54	Determination of Host Specificity of Cowpea Mimosin Rhizobium spp. by nodABC-lacZ Fusion. <i>Current Microbiology</i> , 1998, 36, 361-364.	1.0	2

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55	TRIM5alpha contributes to the anti-viral state. <i>Retrovirology</i> , 2009, 6, O6.	0.9	2
56	Transfection Mediated by DEAE-Dextran. <i>Cold Spring Harbor Protocols</i> , 2018, 2018, pdb.prot095463.	0.2	2
57	Histochemical Staining of Cell Monolayers for β -Galactosidase. <i>Cold Spring Harbor Protocols</i> , 2019, 2019, pdb.prot095422.	0.2	2
58	A Biocontainment Procedure for Intravital Microscopy of High-Risk Pathogens. <i>Applied Biosafety</i> , 2018, 23, 211-222.	0.2	1
59	Introducing Genes into Cultured Mammalian Cells. <i>Cold Spring Harbor Protocols</i> , 2019, 2019, pdb.top095406.	0.2	1
60	TRIM15 is a focal adhesion protein that regulates focal adhesion disassembly. <i>Development (Cambridge)</i> , 2014, 141, e1906-e1906.	1.2	0