

# Pradeep D Uchil

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

58  
papers

3,688  
citations

25  
h-index

60  
g-index

70  
ext. papers

4,610  
ext. citations

9.8  
avg, IF

5.3  
L-index

#	Paper	IF	Citations
58	TRIM5 is an innate immune sensor for the retrovirus capsid lattice. <i>Nature</i> , <b>2011</b> , 472, 361-5	50.4	474
57	RNA interference screen for human genes associated with West Nile virus infection. <i>Nature</i> , <b>2008</b> , 455, 242-5	50.4	427
56	Video-rate nanoscopy using sCMOS camera-specific single-molecule localization algorithms. <i>Nature Methods</i> , <b>2013</b> , 10, 653-8	21.6	376
55	Retroviruses human immunodeficiency virus and murine leukemia virus are enriched in phosphoinositides. <i>Journal of Virology</i> , <b>2008</b> , 82, 11228-38	6.6	219
54	Analysis of Cell Viability by the MTT Assay. <i>Cold Spring Harbor Protocols</i> , <b>2018</b> , 2018,	1.2	216
53	Human TRIM gene expression in response to interferons. <i>PLoS ONE</i> , <b>2009</b> , 4, e4894	3.7	184
52	TRIM E3 ligases interfere with early and late stages of the retroviral life cycle. <i>PLoS Pathogens</i> , <b>2008</b> , 4, e16	7.6	175
51	TRIM protein-mediated regulation of inflammatory and innate immune signaling and its association with antiretroviral activity. <i>Journal of Virology</i> , <b>2013</b> , 87, 257-72	6.6	148
50	Architecture of the flaviviral replication complex. Protease, nuclease, and detergents reveal encasement within double-layered membrane compartments. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 24388-98	5.4	131
49	Retroviruses use CD169-mediated trans-infection of permissive lymphocytes to establish infection. <i>Science</i> , <b>2015</b> , 350, 563-567	33.3	118
48	Analysis of Cell Viability by the Lactate Dehydrogenase Assay. <i>Cold Spring Harbor Protocols</i> , <b>2018</b> , 2018,	1.2	114
47	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> , <b>2001</b> , 65, 242-51	3.2	112
46	Cell-to-cell transmission can overcome multiple donor and target cell barriers imposed on cell-free HIV. <i>PLoS ONE</i> , <b>2013</b> , 8, e53138	3.7	98
45	TRIM22 inhibits HIV-1 transcription independently of its E3 ubiquitin ligase activity, Tat, and NF-kappaB-responsive long terminal repeat elements. <i>Journal of Virology</i> , <b>2011</b> , 85, 5183-96	6.6	76
44	Nuclear localization of flavivirus RNA synthesis in infected cells. <i>Journal of Virology</i> , <b>2006</b> , 80, 5451-64	6.6	76
43	HIV cell-to-cell transmission: effects on pathogenesis and antiretroviral therapy. <i>Trends in Microbiology</i> , <b>2015</b> , 23, 289-95	12.4	70
42	Real-Time Conformational Dynamics of SARS-CoV-2 Spikes on Virus Particles. <i>Cell Host and Microbe</i> , <b>2020</b> , 28, 880-891.e8	23.4	70

41	A single dose of the SARS-CoV-2 vaccine BNT162b2 elicits Fc-mediated antibody effector functions and T cell responses. <i>Cell Host and Microbe</i> , <b>2021</b> , 29, 1137-1150.e6	23.4	68
40	Human genome-wide RNAi screen identifies an essential role for inositol pyrophosphates in Type-I interferon response. <i>PLoS Pathogens</i> , <b>2014</b> , 10, e1003981	7.6	53
39	Targeted disruption of the CCR5 gene in human hematopoietic stem cells stimulated by peptide nucleic acids. <i>Chemistry and Biology</i> , <b>2011</b> , 18, 1189-98		45
38	TRIM5 Retroviral Restriction Activity Correlates with the Ability To Induce Innate Immune Signaling. <i>Journal of Virology</i> , <b>2016</b> , 90, 308-16	6.6	38
37	Live imaging of SARS-CoV-2 infection in mice reveals that neutralizing antibodies require Fc function for optimal efficacy. <i>Immunity</i> , <b>2021</b> , 54, 2143-2158.e15	32.3	37
36	Attachment of cell-binding ligands to arginine-rich cell-penetrating peptides enables cytosolic translocation of complexed siRNA. <i>Chemistry and Biology</i> , <b>2015</b> , 22, 50-62		33
35	Anaplasma phagocytophilum AptA modulates Erk1/2 signalling. <i>Cellular Microbiology</i> , <b>2011</b> , 13, 47-61	3.9	33
34	Structural basis and mode of action for two broadly neutralizing antibodies against SARS-CoV-2 emerging variants of concern.. <i>Cell Reports</i> , <b>2021</b> , 110210	10.6	26
33	Analysis of Cell Viability by the alamarBlue Assay. <i>Cold Spring Harbor Protocols</i> , <b>2018</b> , 2018,	1.2	20
32	TRIM15 is a focal adhesion protein that regulates focal adhesion disassembly. <i>Journal of Cell Science</i> , <b>2014</b> , 127, 3928-42	5.3	19
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> , <b>2003</b> , 148, 1569-91	2.6	19
30	A Protective Role for the Lectin CD169/Siglec-1 against a Pathogenic Murine Retrovirus. <i>Cell Host and Microbe</i> , <b>2019</b> , 25, 87-100.e10	23.4	18
29	Longitudinal bioluminescent imaging of HIV-1 infection during antiretroviral therapy and treatment interruption in humanized mice. <i>PLoS Pathogens</i> , <b>2019</b> , 15, e1008161	7.6	14
28	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> , <b>2018</b> , 23, 549-556.e3	23.4	13
27	HIV Entry Revisited. <i>Cell</i> , <b>2009</b> , 137, 402-4	56.2	13
26	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> , <b>2008</b> , 374, 214-8	3.4	12
25	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> , <b>2022</b> , 110368	10.6	10
24	Live Imaging of SARS-CoV-2 Infection in Mice Reveals Neutralizing Antibodies Require Fc Function for Optimal Efficacy <b>2021</b> ,		10

23	Optical Transfection. <i>Cold Spring Harbor Protocols</i> , <b>2018</b> , 2018,	1.2	10
22	Real-time conformational dynamics of SARS-CoV-2 spikes on virus particles <b>2020</b> ,		9
21	DNA Transfection Mediated by Cationic Lipid Reagents. <i>Cold Spring Harbor Protocols</i> , <b>2019</b> , 2019,	1.2	8
20	EGalactosidase. <i>Cold Spring Harbor Protocols</i> , <b>2017</b> , 2017, pdb.top096198	1.2	7
19	Murine leukemia virus spreading in mice impaired in the biogenesis of secretory lysosomes and Ca <sup>2+</sup> -regulated exocytosis. <i>PLoS ONE</i> , <b>2008</b> , 3, e2713	3.7	6
18	In Vivo Imaging-Driven Approaches to Study Virus Dissemination and Pathogenesis. <i>Annual Review of Virology</i> , <b>2019</b> , 6, 501-524	14.6	5
17	The regulatory elements of the Mycobacterium tuberculosis gene Rv3881c function efficiently in Escherichia coli. <i>FEMS Microbiology Letters</i> , <b>2003</b> , 218, 365-70	2.9	5
16	Selective Agents for Stable Transfection. <i>Cold Spring Harbor Protocols</i> , <b>2018</b> , 2018,	1.2	5
15	Structural Basis and Mode of Action for Two Broadly Neutralizing Antibodies Against SARS-CoV-2 Emerging Variants of Concern <b>2021</b> ,		5
14	DEAE-Dextran Transfection. <i>Cold Spring Harbor Protocols</i> , <b>2018</b> , 2018,	1.2	4
13	DNA Transfection by Electroporation. <i>Cold Spring Harbor Protocols</i> , <b>2019</b> , 2019,	1.2	4
12	Calcium Phosphate-Mediated Transfection of Cells with High-Molecular-Weight Genomic DNA. <i>Cold Spring Harbor Protocols</i> , <b>2019</b> , 2019,	1.2	4
11	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> , <b>2019</b> , 93,	6.6	4
10	An anti-SARS-CoV-2 non-neutralizing antibody with Fc-effector function defines a new NTD epitope and delays neuroinvasion and death in K18-hACE2 mice		4
9	Transfection of Mammalian Cells with Calcium Phosphate-DNA Coprecipitates. <i>Cold Spring Harbor Protocols</i> , <b>2019</b> , 2019,	1.2	3
8	In vivo imaging of retrovirus infection reveals a role for Siglec-1/CD169 in multiple routes of transmission. <i>ELife</i> , <b>2021</b> , 10,	8.9	3
7	Assay for EGalactosidase in Extracts of Mammalian Cells. <i>Cold Spring Harbor Protocols</i> , <b>2017</b> , 2017, pdb.prot095278		3
6	Histochemical Staining of Cell Monolayers for EGalactosidase. <i>Cold Spring Harbor Protocols</i> , <b>2019</b> , 2019,	1.2	2

5	Transfection Mediated by DEAE-Dextran. <i>Cold Spring Harbor Protocols</i> , <b>2018</b> , 2018,	1.2	2
4	Introducing Genes into Cultured Mammalian Cells. <i>Cold Spring Harbor Protocols</i> , <b>2019</b> , 2019,	1.2	1
3	Determination of host specificity of cowpea miscellany Rhizobium spp. by nodABC-lacZ fusion. <i>Current Microbiology</i> , <b>1998</b> , 36, 361-4	2.4	1
2	A Biocontainment Procedure for Intravital Microscopy of High-Risk Pathogens. <i>Applied Biosafety</i> , <b>2018</b> , 23, 211-222	1.3	
1	TRIM15 is a focal adhesion protein that regulates focal adhesion disassembly. <i>Development (Cambridge)</i> , <b>2014</b> , 141, e1906-e1906	6.6	