

# Sundarasamy Mahalingam

## List of Publications by Year in descending order

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58  
papers

2,447  
citations

279487

23  
h-index

205818

48  
g-index

60  
all docs

60  
docs citations

60  
times ranked

2222  
citing authors

#	ARTICLE	IF	CITATIONS
1	HIV-1 Vpr suppresses immune activation and apoptosis through regulation of nuclear factor $\kappa$ B. <i>Nature Medicine</i> , 1997, 3, 1117-1123.	15.2	245
2	Modulation of amplitude and direction of in vivo immune responses by co-administration of cytokine gene expression cassettes with DNA immunogens. <i>European Journal of Immunology</i> , 1998, 28, 1089-1103.	1.6	235
3	Engineering of in vivo immune responses to DNA immunization via codelivery of costimulatory molecule genes. <i>Nature Biotechnology</i> , 1997, 15, 641-646.	9.4	209
4	Nuclear import, virion incorporation, and cell cycle arrest/differentiation are mediated by distinct functional domains of human immunodeficiency virus type 1 Vpr. <i>Journal of Virology</i> , 1997, 71, 6339-6347.	1.5	173
5	Nimbolide upregulates RECK by targeting miR-21 and HIF-1 $\alpha$ in cell lines and in a hamster oral carcinogenesis model. <i>Scientific Reports</i> , 2017, 7, 2045.	1.6	114
6	HIV-1 Vpr interacts with a human 34-kDa mov34 homologue, a cellular factor linked to the G2/M phase transition of the mammalian cell cycle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 3419-3424.	3.3	101
7	Identification of Residues in the N-Terminal Acidic Domain of HIV-1 Vpr Essential for Virion Incorporation. <i>Virology</i> , 1995, 207, 297-302.	1.1	100
8	Functional Analysis of HIV-1 Vpr: Identification of Determinants Essential for Subcellular Localization. <i>Virology</i> , 1995, 212, 331-339.	1.1	79
9	Molecular and immunological analysis of genetic prostate specific antigen (PSA) vaccine. <i>Oncogene</i> , 1998, 17, 3125-3135.	2.6	78
10	Mutagenesis of the putative alpha-helical domain of the Vpr protein of human immunodeficiency virus type 1: effect on stability and virion incorporation.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995, 92, 3794-3798.	3.3	76
11	Proteomic analysis reveals modulation of iron homeostasis and oxidative stress response in <i>Pseudomonas aeruginosa</i> PAO1 by curcumin inhibiting quorum sensing regulated virulence factors and biofilm production. <i>Journal of Proteomics</i> , 2016, 145, 112-126.	1.2	63
12	Vanillic acid from <i>Actinidia deliciosa</i> impedes virulence in <i>Serratia marcescens</i> by affecting S-layer, flagellin and fatty acid biosynthesis proteins. <i>Scientific Reports</i> , 2017, 7, 16328.	1.6	61
13	HIV-1 Vpr Transactivates LTR-Directed Expression through Sequences Present within $\sim$ 278 to $\sim$ 176 and Increases Virus Replication in Vitro. <i>Virology</i> , 2001, 289, 334-342.	1.1	53
14	Cytosine methylation by DNMT2 facilitates stability and survival of HIV-1 RNA in the host cell during infection. <i>Biochemical Journal</i> , 2017, 474, 2009-2026.	1.7	51
15	Functional Analysis of the Simian Immunodeficiency Virus Vpx Protein: Identification of Packaging Determinants and a Novel Nuclear Targeting Domain. <i>Journal of Virology</i> , 2001, 75, 362-374.	1.5	49
16	HIV-1 viral protein R (Vpr) regulates viral replication and cellular proliferation in T cells and monocytoid cells in vitro. <i>Journal of Leukocyte Biology</i> , 1997, 62, 93-99.	1.5	45
17	The Homologous Putative GTPases Grn1p from Fission Yeast and the Human GNL3L Are Required for Growth and Play a Role in Processing of Nucleolar Pre-rRNA. <i>Molecular Biology of the Cell</i> , 2006, 17, 460-474.	0.9	43
18	The E3 ubiquitin ligase Itch regulates tumor suppressor protein RASSF5/NORE1 stability in an acetylation-dependent manner. <i>Cell Death and Disease</i> , 2013, 4, e565-e565.	2.7	42

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19	In Vitro and In Vivo Tumor Growth Suppression by HIV-1 Vpr. <i>DNA and Cell Biology</i> , 1997, 16, 137-143.	0.9	41
20	The Functionally Conserved Nucleoporins Nup124p from Fission Yeast and the Human Nup153 Mediate Nuclear Import and Activity of the Tf1 Retrotransposon and HIV-1 Vpr. <i>Molecular Biology of the Cell</i> , 2005, 16, 1823-1838.	0.9	41
21	Functional Role of Residues Corresponding to Helical Domain II (Amino Acids 35 to 46) of Human Immunodeficiency Virus Type 1 Vpr. <i>Journal of Virology</i> , 2000, 74, 10650-10657.	1.5	37
22	Nuclear Transport of Ras-associated Tumor Suppressor Proteins: Different Transport Receptor Binding Specificities for Arginine-rich Nuclear Targeting Signals. <i>Journal of Molecular Biology</i> , 2007, 367, 1294-1311.	2.0	36
23	The Carboxy-Terminal Domain Is Essential for Stability and Not for Virion Incorporation of HIV-1 Vpr into Virus Particles. <i>Virology</i> , 1995, 214, 647-652.	1.1	34
24	Proteomic profiling unveils citral modulating expression of IsaA, CodY and SaeS to inhibit biofilm and virulence in Methicillin-resistant <i>Staphylococcus aureus</i> . <i>International Journal of Biological Macromolecules</i> , 2020, 158, 208-221.	3.6	24
25	Purification, cloning and expression of an <i>Aspergillus niger</i> lipase for degradation of poly(lactic) Tj ETQq1 1 0.784314 rgBT / Overlock 10	2.7	23
26	A Novel Lysine-rich Domain and GTP Binding Motifs Regulate the Nucleolar Retention of Human Guanine Nucleotide Binding Protein, GNL3L. <i>Journal of Molecular Biology</i> , 2006, 364, 637-654.	2.0	22
27	Role of the Conserved Dipeptide Gly75 and Cys76 on HIV-1 Vpr Function. <i>Virology</i> , 1995, 210, 495-500.	1.1	21
28	HIV-1 Vpr: A Closer Look at the Multifunctional Protein from the Structural Perspective. <i>Current HIV Research</i> , 2009, 7, 114-128.	0.2	21
29	A Non-canonical Transferable Signal Mediates Nuclear Import of Simian Immunodeficiency Virus Vpx Protein. <i>Journal of Molecular Biology</i> , 2003, 331, 1141-1156.	2.0	20
30	Leucine Zipper Down-regulated in Cancer-1 (LDOC1) interacts with Guanine nucleotide binding protein-like 3-like (GNL3L) to modulate Nuclear Factor-kappa B (NF- $\kappa$ B) signaling during cell proliferation. <i>Cell Cycle</i> , 2016, 15, 3251-3267.	1.3	20
31	Phosphorylation by MAPK Regulates Simian Immunodeficiency Virus Vpx Protein Nuclear Import and Virus Infectivity. <i>Journal of Biological Chemistry</i> , 2005, 280, 8553-8563.	1.6	19
32	Nucleolar GTP-binding Protein-1 (NGP-1) Promotes G1 to S Phase Transition by Activating Cyclin-dependent Kinase Inhibitor p21Cip1/Waf1. <i>Journal of Biological Chemistry</i> , 2015, 290, 21536-21552.	1.6	19
33	Global Quantitative Proteomics reveal Deregulation of Cytoskeletal and Apoptotic Signalling Proteins in Oral Tongue Squamous Cell Carcinoma. <i>Scientific Reports</i> , 2018, 8, 1567.	1.6	18
34	Interplay between human nucleolar GNL1 and RPS20 is critical to modulate cell proliferation. <i>Scientific Reports</i> , 2018, 8, 11421.	1.6	18
35	Simian Immunodeficiency Virus Vpx Is Imported into the Nucleus via Importin Alpha-Dependent and -Independent Pathways. <i>Journal of Virology</i> , 2006, 80, 526-536.	1.5	15
36	Functional Interaction of the Ras Effector RASSF5 with the Tyrosine Kinase Lck: Critical Role in Nucleocytoplasmic Transport and Cell Cycle Regulation. <i>Journal of Molecular Biology</i> , 2010, 397, 89-109.	2.0	15

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37	Subcellular Distribution of the Human Putative Nucleolar GTPase GNL1 is Regulated by a Novel Arginine/Lysine-Rich Domain and a GTP Binding Domain in a Cell Cycle-Dependent Manner. <i>Journal of Molecular Biology</i> , 2012, 416, 346-366.	2.0	14
38	Internalization of a Preformed Atomically Precise Silver Cluster in Proteins by Multistep Events and Emergence of Luminescent Counterparts Retaining Bioactivity. <i>Journal of Physical Chemistry C</i> , 2019, 123, 29408-29417.	1.5	14
39	Nuclear Export of Simian Immunodeficiency Virus Vpx Protein. <i>Journal of Virology</i> , 2006, 80, 12271-12282.	1.5	13
40	Extracellular signal-regulated kinase 2 (ERK-2) mediated phosphorylation regulates nucleocytoplasmic shuttling and cell growth control of Ras-associated tumor suppressor protein, RASSF2. <i>Experimental Cell Research</i> , 2009, 315, 2775-2790.	1.2	13
41	GNL3L Is a Nucleo-Cytoplasmic Shuttling Protein: Role in Cell Cycle Regulation. <i>PLoS ONE</i> , 2015, 10, e0135845.	1.1	12
42	Mechanism of Host Cell MAPK/ERK-2 Incorporation into Lentivirus Particles: Characterization of the Interaction between MAPK/ERK-2 and Proline-Rich-Domain Containing Capsid Region of Structural Protein Gag. <i>Journal of Molecular Biology</i> , 2011, 410, 681-697.	2.0	11
43	Antigenicity and Immunogenicity of a Trimeric Envelope Protein from an Indian Clade C HIV-1 Isolate. <i>Journal of Biological Chemistry</i> , 2015, 290, 9195-9208.	1.6	11
44	Landscape of humoral immune responses against SARS-CoV-2 in patients with COVID-19 disease and the value of antibody testing. <i>Heliyon</i> , 2021, 7, e06836.	1.4	11
45	Development of genetic vaccines for pathogenic genes. <i>Aids</i> , 1997, 11, 1433-1444.	1.0	10
46	A comprehensive analysis of the naturally occurring polymorphisms in HIV-1 Vpr: Potential impact on CTL epitopes. <i>Virology Journal</i> , 2008, 5, 99.	1.4	10
47	E4BP4/NFIL3 modulates the epigenetically repressed RAS effector RASSF8 function through histone methyltransferases. <i>Journal of Biological Chemistry</i> , 2018, 293, 5624-5635.	1.6	10
48	RNA-seq reveals outcome-specific gene expression of MMP7 and PCK1 in biliary atresia. <i>Molecular Biology Reports</i> , 2019, 46, 5123-5130.	1.0	10
49	The non-enzymatic RAS effector RASSF7 inhibits oncogenic c-Myc function. <i>Journal of Biological Chemistry</i> , 2018, 293, 15691-15705.	1.6	9
50	Molecular basis for RASSF10/NPM/RNF2 feedback cascade-mediated regulation of gastric cancer cell proliferation. <i>Journal of Biological Chemistry</i> , 2021, 297, 100935.	1.6	8
51	Signals and Pathways Regulating Nucleolar Retention of Novel Putative Nucleolar GTPase NGP-1 (GNL-2). <i>Biochemistry</i> , 2011, 50, 4521-4536.	1.2	7
52	Guanine nucleotide binding protein like-1 (GNL1) promotes cancer cell proliferation and survival through AKT/p21<sup>CIP1</sup> signaling cascade. <i>Molecular Biology of the Cell</i> , 2020, 31, 2904-2919.	0.9	7
53	Attenuated nef DNA vaccine construct induces cellular immune response: role in HIV-1 multiprotein vaccine. <i>Immunology Letters</i> , 2003, 89, 207-214.	1.1	4
54	Characterization of protective immune response elicited by a trimeric envelope protein from an Indian clade C HIV-1 isolate in rhesus macaques. <i>Journal of Medical Primatology</i> , 2015, 44, 275-285.	0.3	4

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55	Membrane bound Indian clade C HIV-1 envelope antigen induces antibodies to diverse and conserved epitopes upon DNA prime/protein boost in rabbits. <i>Vaccine</i> , 2016, 34, 2444-2452.	1.7	3
56	Viral protein X unlocks the nuclear pore complex through a human Nup153-dependent pathway to promote nuclear translocation of the lentiviral genome. <i>Molecular Biology of the Cell</i> , 2020, 31, 304-317.	0.9	2
57	Modulation of amplitude and direction of in vivo immune responses by co-administration of cytokine gene expression cassettes with DNA immunogens. , 0, .		2
58	Lentiviral Vpx induces alteration of mammalian cell nuclear envelope integrity. <i>Biochemical and Biophysical Research Communications</i> , 2019, 511, 192-198.	1.0	1