

Sunil K Lal

List of Publications by Year in descending order

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92
papers

4,020
citations

136885

32
h-index

128225

60
g-index

93
all docs

93
docs citations

93
times ranked

5289
citing authors

#	ARTICLE	IF	CITATIONS
1	The Human Gut Microbiome – A Potential Controller of Wellness and Disease. <i>Frontiers in Microbiology</i> , 2018, 9, 1835.	1.5	681
2	COVID-19: A Review on the Novel Coronavirus Disease Evolution, Transmission, Detection, Control and Prevention. <i>Viruses</i> , 2021, 13, 202.	1.5	332
3	The Nucleocapsid Protein of Severe Acute Respiratory Syndrome-Coronavirus Inhibits the Activity of Cyclin-Cyclin-dependent Kinase Complex and Blocks S Phase Progression in Mammalian Cells. <i>Journal of Biological Chemistry</i> , 2006, 281, 10669-10681.	1.6	177
4	The Severe Acute Respiratory Syndrome Coronavirus Nucleocapsid Protein Is Phosphorylated and Localizes in the Cytoplasm by 14-3-3-Mediated Translocation. <i>Journal of Virology</i> , 2005, 79, 11476-11486.	1.5	165
5	The SARS coronavirus nucleocapsid protein induces actin reorganization and apoptosis in COS-1 cells in the absence of growth factors. <i>Biochemical Journal</i> , 2004, 383, 13-18.	1.7	146
6	The SARS-CoV nucleocapsid protein: A protein with multifarious activities. <i>Infection, Genetics and Evolution</i> , 2008, 8, 397-405.	1.0	140
7	The ORF3 Protein of Hepatitis E Virus Binds to Src Homology 3 Domains and Activates MAPK. <i>Journal of Biological Chemistry</i> , 2001, 276, 42389-42400.	1.6	132
8	The Phosphorylated Form of the ORF3 Protein of Hepatitis E Virus Interacts with Its Non-glycosylated Form of the Major Capsid Protein, ORF2. <i>Journal of Biological Chemistry</i> , 2002, 277, 22759-22767.	1.6	112
9	The nucleocapsid protein of the SARS coronavirus is capable of self-association through a C-terminal 209 amino acid interaction domain. <i>Biochemical and Biophysical Research Communications</i> , 2004, 317, 1030-1036.	1.0	110
10	The Molecular Biology of SARS Coronavirus. <i>Annals of the New York Academy of Sciences</i> , 2007, 1102, 26-38.	1.8	102
11	Influenza virus and cell signaling pathways. <i>Medical Science Monitor</i> , 2011, 17, RA148-RA154.	0.5	85
12	The ORF2 Protein of Hepatitis E Virus Binds the 5' Region of Viral RNA. <i>Journal of Virology</i> , 2004, 78, 320-328.	1.5	83
13	Cytoplasmic Localization of the ORF2 Protein of Hepatitis E Virus Is Dependent on Its Ability To Undergo Retrotranslocation from the Endoplasmic Reticulum. <i>Journal of Virology</i> , 2007, 81, 3339-3345.	1.5	82
14	Drug Repositioning: New Approaches and Future Prospects for Life-Debilitating Diseases and the COVID-19 Pandemic Outbreak. <i>Viruses</i> , 2020, 12, 1058.	1.5	81
15	PCNA Interacts with Indian Mung Bean Yellow Mosaic Virus Rep and Downregulates Rep Activity. <i>Journal of Virology</i> , 2004, 78, 11890-11903.	1.5	79
16	The Hepatitis E Virus Open Reading Frame 3 Protein Activates ERK through Binding and Inhibition of the MAPK Phosphatase. <i>Journal of Biological Chemistry</i> , 2004, 279, 28345-28357.	1.6	77
17	Zika Virus: Transmission, Detection, Control, and Prevention. <i>Frontiers in Microbiology</i> , 2017, 8, 110.	1.5	71
18	Adaptation of human influenza H3N2 virus in a mouse pneumonitis model: insights into viral virulence, tissue tropism and host pathogenesis. <i>Microbes and Infection</i> , 2009, 11, 2-11.	1.0	70

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19	The ORF3 Protein of Hepatitis E Virus Interacts with Liver-specific α 1-Microglobulin and Its Precursor α 1-Microglobulin/Bikunin Precursor (AMBP) and Expedites Their Export from the Hepatocyte. <i>Journal of Biological Chemistry</i> , 2004, 279, 29308-29319.	1.6	69
20	An Antibody against a Novel and Conserved Epitope in the Hemagglutinin 1 Subunit Neutralizes Numerous H5N1 Influenza Viruses. <i>Journal of Virology</i> , 2010, 84, 8275-8286.	1.5	64
21	Influenza A Virus Nucleoprotein Exploits Hsp40 to Inhibit PKR Activation. <i>PLoS ONE</i> , 2011, 6, e20215.	1.1	64
22	Enhanced α 1 Microglobulin Secretion from Hepatitis E Virus ORF3-expressing Human Hepatoma Cells Is Mediated by the Tumor Susceptibility Gene 101. <i>Journal of Biological Chemistry</i> , 2006, 281, 8135-8142.	1.6	54
23	Human Heat shock protein 40 (Hsp40/DnaJb1) promotes influenza A virus replication by assisting nuclear import of viral ribonucleoproteins. <i>Scientific Reports</i> , 2016, 6, 19063.	1.6	48
24	The ORF2 glycoprotein of hepatitis E virus inhibits cellular NF- κ B activity by blocking ubiquitination mediated proteasomal degradation of I κ B α in human hepatoma cells. <i>BMC Biochemistry</i> , 2012, 13, 7.	4.4	47
25	Host Lipid Rafts Play a Major Role in Binding and Endocytosis of Influenza A Virus. <i>Viruses</i> , 2018, 10, 650.	1.5	47
26	The 41-Amino-Acid C-Terminal Region of the Hepatitis E Virus ORF3 Protein Interacts with Bikunin, a Kunitz-Type Serine Protease Inhibitor. <i>Journal of Virology</i> , 2005, 79, 12081-12087.	1.5	46
27	SARS-CoV Accessory Protein 3b Induces AP-1 Transcriptional Activity through Activation of JNK and ERK Pathways. <i>Biochemistry</i> , 2011, 50, 5419-5425.	1.2	41
28	Self-Association and Mapping of the Interaction Domain of Hepatitis E Virus ORF3 Protein. <i>Journal of Virology</i> , 2001, 75, 2493-2498.	1.5	40
29	Influenza A viral nucleoprotein interacts with cytoskeleton scaffolding protein α -actinin α 4 for viral replication. <i>FEBS Journal</i> , 2014, 281, 2899-2914.	2.2	38
30	The 7a Accessory Protein of Severe Acute Respiratory Syndrome Coronavirus Acts as an RNA Silencing Suppressor. <i>Journal of Virology</i> , 2010, 84, 10395-10401.	1.5	37
31	SARS-CoV 9b Protein Diffuses into Nucleus, Undergoes Active Crm1 Mediated Nucleocytoplasmic Export and Triggers Apoptosis When Retained in the Nucleus. <i>PLoS ONE</i> , 2011, 6, e19436.	1.1	37
32	Comparing the antibody responses against recombinant hemagglutinin proteins of avian influenza A (H5N1) virus expressed in insect cells and bacteria. <i>Journal of Medical Virology</i> , 2008, 80, 1972-1983.	2.5	35
33	Glycogen Synthase Kinase - 3 Phosphorylates and Regulates the Stability of p27kip1 Protein. <i>Cell Cycle</i> , 2007, 6, 580-588.	1.3	30
34	ORF3 protein of hepatitis E virus interacts with the β 2 chain of fibrinogen resulting in decreased fibrinogen secretion from HuH-7 cells. <i>Journal of General Virology</i> , 2009, 90, 1359-1370.	1.3	29
35	Influenza A Virus Neuraminidase Protein Enhances Cell Survival through Interaction with Carcinoembryonic Antigen-related Cell Adhesion Molecule 6 (CEACAM6) Protein. <i>Journal of Biological Chemistry</i> , 2012, 287, 15109-15117.	1.6	29
36	Repositioning Ivermectin for Covid-19 treatment: Molecular mechanisms of action against SARS-CoV-2 replication. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2022, 1868, 166294.	1.8	28

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37	Ribozymes: A modern tool in medicine. <i>Journal of Biomedical Science</i> , 2003, 10, 457-467.	2.6	25
38	The VP1 protein of human enterovirus 71 self-associates via an interaction domain spanning amino acids 66â€“297. <i>Journal of Medical Virology</i> , 2006, 78, 582-590.	2.5	24
39	The Multifarious Role of 14-3-3 Family of Proteins in Viral Replication. <i>Viruses</i> , 2020, 12, 436.	1.5	24
40	Expression and characterization of the hepatitis E virus ORF3 protein in the methylotrophic yeast, <i>Pichia pastoris</i> . <i>Gene</i> , 1997, 190, 63-67.	1.0	23
41	SARS Coronavirus 3b Accessory Protein Modulates Transcriptional Activity of RUNX1b. <i>PLoS ONE</i> , 2012, 7, e29542.	1.1	21
42	Interplay between influenza A virus and host factors: targets for antiviral intervention. <i>Archives of Virology</i> , 2015, 160, 1877-1891.	0.9	21
43	Combined Transformation and Genetic Technique Verification of Proteinâ€“Protein Interactions in the Yeast Two-Hybrid System. <i>Biochemical and Biophysical Research Communications</i> , 2000, 277, 589-593.	1.0	19
44	The influenza A virus matrix protein 2 undergoes retrograde transport from the endoplasmic reticulum into the cytoplasm and bypasses cytoplasmic proteasomal degradation. <i>Archives of Virology</i> , 2017, 162, 919-929.	0.9	19
45	Repurposing Molnupiravir for COVID-19: The Mechanisms of Antiviral Activity. <i>Viruses</i> , 2022, 14, 1345.	1.5	19
46	Effect of mitoxantrone on proliferation dynamics and cell-cycle progression. <i>Bioscience Reports</i> , 2010, 30, 375-381.	1.1	18
47	Influenza A virus neuraminidase protein interacts with Hsp90, to stabilize itself and enhance cell survival. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 6449-6458.	1.2	18
48	The Liver-Specific Human Î±1-Microglobulin/Bikunin Precursor (AMBP) Is Capable of Self-Association. <i>Archives of Biochemistry and Biophysics</i> , 2002, 399, 66-72.	1.4	17
49	A Yeast Two-Hybrid Study on Self-Association of the ORF2 Protein of Hepatitis E Virus. <i>Biochemical and Biophysical Research Communications</i> , 2001, 284, 614-621.	1.0	15
50	A new panel of NS1 antibodies for easy detection and titration of influenza A virus. <i>Journal of Medical Virology</i> , 2010, 82, 467-475.	2.5	15
51	The Full-Length and N-Terminal Deletion of ORF2 Protein of Hepatitis E Virus Can Dimerize. <i>Biochemical and Biophysical Research Communications</i> , 2001, 286, 214-221.	1.0	14
52	SARS coronavirus outbreaks past and presentâ€“a comparative analysis of SARS-CoV-2 and its predecessors. <i>Virus Genes</i> , 2021, 57, 307-317.	0.7	14
53	Recombinant haemagglutinin protein of highly pathogenic avian influenza A (H5N1) virus expressed in <i>Pichia pastoris</i> elicits a neutralizing antibody response in mice. <i>Journal of Virological Methods</i> , 2013, 187, 20-25.	1.0	12
54	The multifarious roles of heterogeneous ribonucleoprotein A1 in viral infections. <i>Reviews in Medical Virology</i> , 2020, 30, e2097.	3.9	12

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55	LIMD1 antagonizes E2F1 activity and cell cycle progression by enhancing Rb function in cancer cells. <i>Cell Biology International</i> , 2014, 38, 809-817.	1.4	11
56	Upregulation of miR-101 during Influenza A Virus Infection Abrogates Viral Life Cycle by Targeting mTOR Pathway. <i>Viruses</i> , 2020, 12, 444.	1.5	11
57	The Suppressor of Cytokine Signalling family of proteins and their potential impact on COVID-19 disease progression. <i>Reviews in Medical Virology</i> , 2022, 32, e2300.	3.9	11
58	The Immunomodulatory CEA Cell Adhesion Molecule 6 (CEACAM6/CD66c) Is a Protein Receptor for the Influenza A Virus. <i>Viruses</i> , 2021, 13, 726.	1.5	10
59	Inhibition of N-Terminal Lysines Acetylation and Transcription Factor Assembly by Epirubicin Induced Deranged Cell Homeostasis. <i>PLoS ONE</i> , 2012, 7, e51850.	1.1	9
60	Evaluation of antibody response in mice against avian influenza A (H5N1) strain neuraminidase expressed in yeast <i>Pichia pastoris</i> . <i>Journal of Biosciences</i> , 2014, 39, 443-451.	0.5	9
61	Comparative Transcriptomic and Molecular Pathway Analyses of HL-CZ Human Pro-Monocytic Cells Expressing SARS-CoV-2 Spike S1, S2, NP, NSP15 and NSP16 Genes. <i>Microorganisms</i> , 2021, 9, 1193.	1.6	9
62	A Novel Approach for Isolation and Mapping of Intron Mutations in a Ribonucleotide Reductase Encoding Gene (nrdB) of Bacteriophage T4 Using the White Halo Plaque Phenotype. <i>Biochemical and Biophysical Research Communications</i> , 1993, 196, 943-949.	1.0	8
63	Influenza A Virus Nucleoprotein Activates the JNK Stress-Signaling Pathway for Viral Replication by Sequestering Host Filamin A Protein. <i>Frontiers in Microbiology</i> , 2020, 11, 581867.	1.5	8
64	Current vaccine approaches and emerging strategies against herpes simplex virus (HSV). <i>Expert Review of Vaccines</i> , 2021, 20, 1077-1096.	2.0	8
65	Matrix protein 1: A comparative in silico study on different strains of influenza A H5N1 Virus. <i>Bioinformatics</i> , 2006, 1, 253-256.	0.2	8
66	s8ORF2 protein of infectious salmon anaemia virus is a RNA-silencing suppressor and interacts with Salmon salar Mov10 (SsMov10) of the host RNAi machinery. <i>Virus Genes</i> , 2018, 54, 199-214.	0.7	7
67	Is tetherin a true antiviral: The influenza a virus controversy. <i>Reviews in Medical Virology</i> , 2019, 29, e2036.	3.9	7
68	Influenza virus NS1- C/EBP β gene regulatory complex inhibits RIG-I transcription. <i>Antiviral Research</i> , 2020, 176, 104747.	1.9	7
69	In silico analysis of genes nucleoprotein, neuraminidase and hemagglutinin: a comparative study on different strains of influenza A (Bird flu) virus sub-type H5N1. <i>In Silico Biology</i> , 2006, 6, 161-8.	0.4	7
70	Expression of Avian Influenza Virus (H5N1) Hemagglutinin and Matrix Protein 1 in <i>Pichia pastoris</i> and Evaluation of their Immunogenicity in Mice. <i>Applied Biochemistry and Biotechnology</i> , 2014, 172, 3635-3645.	1.4	6
71	A liquid synchronized-growth culture assay for the identification of true positive and negative yeast three-hybrid transformants. <i>Letters in Applied Microbiology</i> , 2002, 34, 300-303.	1.0	5
72	Efficacy of neuraminidase (NA) inhibitors against H1N1 strains of different geographical regions: an in silico approach. <i>Indian Journal of Microbiology</i> , 2009, 49, 370-376.	1.5	5

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73	H7N9: A killer in the making or a false alarm?. Canadian Journal of Microbiology, 2014, 60, 425-429.	0.8	4
74	Combining ability for yield and yield related traits and its relationship with gene action in cucumber. Indian Journal of Horticulture, 2017, 74, 51.	0.1	4
75	Heterogeneous Ribonucleoprotein A1 (hnRNPA1) Interacts with the Nucleoprotein of the Influenza A Virus and Impedes Virus Replication. Viruses, 2022, 14, 199.	1.5	4
76	Isolation and Characterization of EMS Induced Splicing Defective Point Mutations within the Intron of the <i>nrdB</i> Gene of Bacteriophage T4. Biochemical and Biophysical Research Communications, 1998, 242, 10-15.	1.0	3
77	Molecular events leading to the creation of a pandemic influenza virus. Indian Journal of Microbiology, 2009, 49, 332-338.	1.5	3
78	Identification of a new strain of Tobacco mosaic virus infecting soybean in India based on host reactions and 3' end genome sequence. Crop Protection, 2013, 53, 20-22.	1.0	3
79	Restoration of mRNA Splicing by a Second-Site Intragenic Suppressor in the T4 Ribonucleotide Reductase (Small Subunit) Self-Splicing Intron. Biochemical and Biophysical Research Communications, 2000, 268, 359-364.	1.0	2
80	A yeast assay for high throughput screening of natural anti-viral agents. Biochemical and Biophysical Research Communications, 2003, 301, 218-221.	1.0	2
81	A novel method to produce Influenza A virus matrix protein M1 Capsid Like Particles (CLPs). Journal of Virological Methods, 2014, 205, 1-2.	1.0	2
82	Ribozymes: A Modern Tool in Medicine. Journal of Biomedical Science, 2003, 10, 457-467.	2.6	2
83	Repositioning anticancer drugs as novel COVID-19 antivirals: targeting structural and functional similarities between viral proteins and cancer. Expert Reviews in Molecular Medicine, 2022, 24, 1-23.	1.6	2
84	The X gene of hepatitis B virus shows a high level stimulation of the Rous sarcoma virus long terminal repeat in the methylotropic yeast, <i>Pichia pastoris</i> . FEBS Letters, 1999, 456, 108-112.	1.3	1
85	Functional genomics as a tool in virus research. Indian Journal of Microbiology, 2008, 48, 195-201.	1.5	1
86	Influenza A Virus: Host-Virus Relationships. Viruses, 2020, 12, 870.	1.5	1
87	AML1 protein interacts with influenza A virus neuraminidase and upregulates IFN γ response in infected mammalian cells. Letters in Applied Microbiology, 2020, 70, 252-258.	1.0	1
88	Heat Shock Proteins and Their Interplay to Control Influenza A Virus Replication. International Journal of Infectious Diseases, 2022, 116, S93.	1.5	1
89	A new influenza reassortant "a beast in the making. Indian Journal of Microbiology, 2009, 49, 299-300.	1.5	0
90	Yeast-Based Technologies for High Throughput Screening of Natural Anti-Viral Agents. , 2004, , 69-76.		0

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91	Estimates of heterosis for yield and its contributing traits in cucumber. Indian Journal of Horticulture, 2018, 75, 332.	0.1	0
92	Editorial: Coronavirus Evolution, Cross-Species Transmission and Recombination. Frontiers in Microbiology, 2021, 12, 819417.	1.5	0