



Sunit K. Singh

CCMB, Hyderabad, Molecular Biology Unit,
Institute of Med Sci,
BHU

, Varanasi & ACBR, Univ of Delhi

HIV

Japanese Encephalitis virus

Chandipura Virus

Zika virus

SARS-CoV-2

	All	Since 2019
Citations	3246	1673
h-index	29	21
i10-index	53	38

9 articles

16 articles

not available

available

Based on funding mandates

TITLE	CITED BY	YEAR
<p>ORF3a of SARS-CoV-2 modulates PI3K/AKT signaling in human lung epithelial cells via hsa-miR-155-5p</p> <p>F Ahmad, V Keshri, SK Singh International Journal of Biological Macromolecules 268, 131734</p>		2024
<p>A tale of endurance: bats, viruses and immune dynamics</p> <p>Apoorva, SK Singh Future Microbiology, 1-16</p>		2024
<p>Hypoxia-Induced miR-101 Impairs Endothelial Barrier Integrity Through Altering VE-Cadherin and Claudin-5</p> <p>A Shukla, U Bhardwaj, Apoorva, P Seth, SK Singh Molecular Neurobiology 61 (3), 1807-1817</p>	1	2024
<p>Direct antimicrobial effects of chemokines on Cryptococcus spp, with special emphasis on a 'CXC'chemokine</p> <p>A Singh, SK Singh Journal of Medical Mycology 33 (4), 101415</p>		2023
<p>MicroRNA-155 triggers a cellular antiviral immune response against Chandipura virus in human microglial cells</p> <p>N Pandey, SK Singh Microbes and Infection 25 (7), 105173</p>	2	2023
<p>Zika virus NS1 suppresses VE-cadherin via hsa-miR-29b-3p/DNMT3b/MMP-9 pathway in human brain microvascular endothelial cells</p> <p>U Bhardwaj, SK Singh Cellular Signalling 106, 110659</p>	2	2023
<p>Chandipura virus changes cellular miRNome in human microglial cells</p> <p>M Agrawal, M Rastogi, S Dogra, N Pandey, A Basu, SK Singh Journal of medical virology 94 (2), 480-490</p>	4	2022
<p>Multidimensional Roles of Microglial Cells in Neuroviral Infections</p> <p>M Rastogi, N Pandey, A Shukla, S Singh, SK Singh The Biology of Glial Cells: Recent Advances, 539-564</p>	1	2022
<p>Zika virus NS1 suppresses the innate immune responses via miR-146a in human microglial cells</p> <p>A Shukla, M Rastogi, SK Singh</p>	14	2021

TITLE	CITED BY	YEAR
International Journal of Biological Macromolecules 193, 2290-2296		
Zika Virus NS1 Suppresses VE-Cadherin and Claudin-5 via hsa-miR-101-3p in human brain microvascular endothelial cells U Bhardwaj, SK Singh Molecular neurobiology 58, 6290-6303	20	2021
Chandipura virus dysregulates the expression of hsa-miR-21-5p to activate NF-κB in human microglial cells N Pandey, M Rastogi, SK Singh Journal of Biomedical Science 28, 1-13	15	2021
Gist of Zika virus pathogenesis U Bhardwaj, N Pandey, M Rastogi, SK Singh Virology 560, 86-95	24	2021
Why airborne transmission hasn't been conclusive in case of COVID-19? An atmospheric science perspective K Ram, RC Thakur, DK Singh, K Kawamura, A Shimouchi, Y Sekine, ... Science of the Total Environment 773, 145525	65	2021
SARS coronavirus 2: from genome to infectome M Rastogi, N Pandey, A Shukla, SK Singh Respiratory research 21 (1), 318	138	2020
Japanese Encephalitis Virus exploits microRNA-155 to suppress the non-canonical NF-κB pathway in human microglial cells M Rastogi, SK Singh Biochimica et Biophysica Acta (BBA)-Gene Regulatory Mechanisms 1863 (11), 194639	22	2020
Zika virus NS1 affects the junctional integrity of human brain microvascular endothelial cells M Rastogi, SK Singh Biochimie 176, 52-61	29	2020
Neuroviral Infections: Two Volume Set SK Singh, D Ruzek CRC Press	1	2020
Will COVID-19 become the next neglected tropical disease? PJ Hotez, ME Bottazzi, SK Singh, PJ Brindley, S Kamhawi PLoS Neglected Tropical Diseases 14 (4), e0008271	30	2020
Chikungunya virus modulates the miRNA expression patterns in human synovial fibroblasts M Agrawal, N Pandey, M Rastogi, S Dogra, SK Singh Journal of Medical Virology 92 (2), 139-148	15	2020
Effect of Copper Doping Over GdFeO₃ Perovskite on Soot Oxidation Activity HP Uppara, H Dasari, SK Singh, NK Labhsetwar, MS Murari Catalysis Letters 149, 3097-3110	19	2019

TITLE	CITED BY	YEAR
Modulation of type-I interferon response by hsa-miR-374b-5p during Japanese encephalitis virus infection in human microglial cells M Rastogi, SK Singh Frontiers in Cellular and Infection Microbiology 9, 291	32	2019
Advances in molecular diagnostic approaches for biothreat agents M Rastogi, SK Singh Defense Against Biological Attacks: Volume II, 281-310	8	2019
Defense Against Biological Attacks SK Singh, JH Kuhn Springer	7	2019
Diagnostics to pathogenomics of sexually transmitted infections SK Singh John Wiley & Sons	10	2018
human immunodeficiency virus (HIV) infection SK Singh, SK Singh Diagnostics to Pathogenomics of Sexually Transmitted Infections, 61-81	4	2018
Exploitation of microRNAs by Japanese Encephalitis virus in human microglial cells M Rastogi, N Srivastava, SK Singh Journal of medical virology 90 (4), 648-654	16	2018
Neglected Tropical Diseases-South Asia SK Singh Springer International Publishing	2	2017
Kyasanur Forest Disease M Rastogi, SK Singh Neglected Tropical Diseases-South Asia, 373-386	1	2017
Flavivirus NS1: a multifaceted enigmatic viral protein M Rastogi, N Sharma, SK Singh Virology journal 13, 1-10	331	2016
Implications of non-coding RNAs in viral infections N Sharma, SK Singh Reviews in medical virology 26 (5), 356-368	24	2016
Middle East respiratory syndrome virus pathogenesis SK Singh Seminars in respiratory and critical care medicine 37 (04), 572-577	72	2016
Respiratory Viral Infections SK Singh Seminars in respiratory and critical care medicine 37 (04), 485-486	3	2016
Japanese Encephalitis Virus exploits the microRNA-432 to regulate the expression of Suppressor of Cytokine Signaling (SOCS) 5 N Sharma, KL Kumawat, M Rastogi, A Basu, SK Singh	74	2016

TITLE	CITED BY	YEAR
Scientific reports 6 (1), 27685		
Vascular Endothelial Dysfunctions: Viral Attack and Immunological Defense JA Lahoti, R Mishra, SK Singh Viral Hemorrhagic Fevers, 82-99		2016
17 Receptor Determinants of Zoonosis and Pathogenesis of New World Hemorrhagic Fever Arenaviruses S Jemielity, M Farzan, H Choe Viral Hemorrhagic Fevers, 305		2016
Japanese Encephalitis Virus: Molecular Biology to Pathology SK Singh Neurotropic Viral Infections: Volume 1: Neurotropic RNA Viruses, 273-294		2016
miR-146a suppresses cellular immune response during Japanese encephalitis virus JaOArS982 strain infection in human microglial cells N Sharma, R Verma, KL Kumawat, A Basu, SK Singh Journal of neuroinflammation 12, 1-16	136	2015
Human Emerging and Re-emerging Infections SK Singh John Wiley & Sons	10	2015
Molecular Pathogenesis of Japanese Encephalitis Virus Infection SK Singh Human Emerging and Re-emerging Infections: Viral and Parasitic Infections ...	3	2015
Overview on Chikungunya Virus Pathogenesis SK Singh Human Emerging and Re-emerging Infections: Viral and Parasitic Infections ...	2	2015
Emerging and re-emerging human infections: Genome to infectome SK Singh John Wiley & Sons		2015
HIV-1 Tat C modulates NOX2 and NOX4 expressions through miR-17 in a human microglial cell line VS Jadhav, KH Krause, SK Singh Journal of neurochemistry 131 (6), 803-815	61	2014
HIV-1 Tat C phosphorylates VE-cadherin complex and increases human brain microvascular endothelial cell permeability R Mishra, SK Singh BMC neuroscience 15, 1-13	36	2014
Regulatory role of TRIM21 in the type-I interferon pathway in Japanese encephalitis virus-infected human microglial cells GD Manocha, R Mishra, N Sharma, KL Kumawat, A Basu, SK Singh Journal of neuroinflammation 11, 1-12	88	2014
Chikungunya virus exploits miR-146a to regulate NF-κB pathway in human synovial fibroblasts	73	2014

TITLE	CITED BY	YEAR
SP Selvamani, R Mishra, SK Singh PloS one 9 (8), e103624		
Chikungunya virus exploits miR-146a to regulate NF-κB pathway in human synovial fibroblasts SP Selvamani, R Mishra, SK Singh PloS one 9 (8), e103624	73	2014
Human influenza virus infections JM Fontana, DP Eiras, M Salvatore, SK Singh Human respiratory viral infections 411	2	2014
Overview on Anatomy of Human Respiratory System AK Sinha, SK Singh Human Respiratory Viral Infections, 3-15	1	2014
Measles virus: a respiratory virus causing systemic disease RD de Vries, RL de Swart Human Respiratory Viral Infections, 523-545		2014
Human Respiratory Viral Infections SK Singh CRC Press	15	2014
Viral hemorrhagic fevers D Ruzek, SK Singh CRC Press	7	2014
Respiratory Viral Infections in Immunocompromised Patients E Walker, MG Ison Human Respiratory Viral Infections, 313-324	1	2014
SPILLOVER TRANSMISSION AND EMERGENCE OF VIRAL OUTBREAKS IN HUMANS SK Singh Viral Infections and Global Change, 343-351		2013
Viral infections and global change SK Singh John Wiley & Sons	26	2013
Advancing Sino-Indian cooperation to combat tropical diseases P Hotez, SK Singh, XN Zhou PLoS neglected tropical diseases 7 (9), e2204	6	2013
Advancing Sino-Indian cooperation to combat tropical diseases P Hotez, SK Singh, XN Zhou PLoS neglected tropical diseases 7 (9), e2204	6	2013
Neurovirology: neurotropic viruses and the brain SK Singh Future microbiology 8 (8), 957-959		2013
Viral hemorrhagic fevers	44	2013

TITLE	CITED BY	YEAR
SK Singh, D Ruzek CRC Press		
Viral hemorrhagic fevers SK Singh, D Ruzek CRC Press	41	2013
Japanese encephalitis virus and human CNS infection K Dutta, A Nazmi, A Basu Neuroviral infections. Taylor and Francis Group, LLC, CRC Press, Boca Raton ...	4	2013
5 New Trends in Antiviral Therapy of CNS Infections RB Domingues Neuroviral Infections: General Principles and DNA Viruses 1, 129		2013
7 Herpes Simplex Virus and Human CNS Infections M Kúdelová, J Rajc̃áni virus 1, 2	1	2013
Neuroviral infections: General principles and DNA viruses SK Singh, D Ruzek CRC Press	3	2013
Bolivian hemorrhagic fever SR Radoshitzky, F de Kok-Mercado, P Jahrling, S Bavari, JH Kuhn, ... Viral hemorrhagic fevers, 339-358	6	2013
Alphavirus Neurovirulence K Taylor, S Paessler Neuroviral Infections: RNA Viruses and Retroviruses, 3-20		2013
HIV-1 Tat C Modulates Expression of miRNA-101 to Suppress VE-Cadherin in Human Brain Microvascular Endothelial Cells. R Mishra, SK Singh The Journal of Neuroscience 33 (14), 5992-6000	78	2013
Neuroviral infections: RNA viruses and retroviruses SK Singh, D Ruzek CRC Press	48	2013
Neuroviral infections: RNA viruses and retroviruses SK Singh, D Ruzek CRC Press	18	2013
HIV-1 Tat C-mediated regulation of tumor necrosis factor receptor-associated factor-3 by microRNA 32 in human microglia R Mishra, C Chhatbar, SK Singh Journal of Neuroinflammation 9 (1), 131	56	2012
The Roles and Perspectives of Toll-Like Receptors and CD4+ Helper T Cell Subsets in Acute Viral Encephalitis YW Han, SK Singh, SK Eo Immune Network 12 (2), 48	13	2012

TITLE	CITED BY	YEAR
RNA interference: from basics to therapeutics S Kumar Singh, PB Hajeri Molecular and Cellular Therapeutics, 140-167	1	2012
HIV vaccine: hopes and hurdles C Chhatbar, R Mishra, A Kumar, SK Singh Drug discovery today	27	2011
Breakdown of the blood-brain barrier during tick-borne encephalitis in mice is not dependent on CD8+ T-cells D Růžek, J Salát, SK Singh, J Kopecký PloS one 6 (5), e20472	150	2011
Japanese encephalitis virus: from genome to infectome SK Unni, D Růžek, C Chhatbar, R Mishra, MK Johri, SK Singh Microbes and Infection 13 (4), 312-321	186	2011
Chikungunya virus: host pathogen interaction SK Singh, SK Unni Reviews in Medical Virology	115	2011
Tits and bits of HIV Tat protein MK Johri, R Mishra, C Chhatbar, SK Unni, SK Singh Expert opinion on biological therapy 11 (3), 269-283	83	2011
Progress towards therapeutic application of RNA interference for HIV infection SK Singh, RK Gaur BioDrugs 23, 269-276	25	2009
siRNAs: their potential as therapeutic agents—Part II. Methods of delivery SK Singh, PB Hajeri Drug discovery today 14 (17-18), 859-865	43	2009
siRNAs: their potential as therapeutic agents—Part I. Designing of siRNAs PB Hajeri, SK Singh Drug discovery today 14 (17-18), 851-858	60	2009
MicroRNA tales in fly development U Bhadra, SK Singh, S Pushpavalli, PB Hajeri, M Pal-Bhadra Regulation of Gene Expression by Small RNAs, 123-147		2009
8 MicroRNA Tales in U Bhadra, SK Singh, S Pushpavalli, PB Hajeri, M Pal-Bhadra Regulation of Gene Expression by Small RNAs, 123		2009
MicroRNAs—micro in size but macro in function SK Singh, M Pal Bhadra, HJ Girschick, U Bhadra The FEBS journal 275 (20), 4929-4944	218	2008
Oral polio vaccines: a matter for debate. SK Singh Future microbiology 3 (4), 383	5	2008

TITLE	CITED BY	YEAR
The kappa immunoglobulin light chain repertoire of peripheral blood B cells in patients with juvenile rheumatoid arthritis H Morbach, P Richl, C Faber, SK Singh, HJ Girschick Molecular immunology 45 (14), 3840-3846	22	2008
RNA interference and its therapeutic potential against HIV infection SK Singh Expert opinion on biological therapy 8 (4), 449-461	33	2008
HIV/AIDS spread among women SK Singh Expert Review of Anti-infective Therapy 5 (5), 755-758	2	2007
miRNAs: from neurogeneration to neurodegeneration SK Singh Pharmacogenomics 8 (8), 971-978	43	2007
Endogenous retroviruses: suspects in the disease world SK Singh Future microbiology 2 (3), 269-275	19	2007
Topical microbicides against HIV spread: what, where and why? SK Singh Future Virology 2 (3), 219-224		2007
Differential expression patterns of recombination-activating genes in individual mature B cells in juvenile idiopathic arthritis C Faber, H Morbach, SK Singh, HJ Girschick Annals of the rheumatic diseases 65 (10), 1351-1356	22	2006
Toll-like receptors in <i>Borrelia burgdorferi</i>-induced inflammation SK Singh, HJ Girschick Clinical microbiology and infection 12 (8), 705-717	56	2006
Expression of ICAM-1, ICAM-2, NCAM-1 and VCAM-1 by human synovial cells exposed to <i>Borrelia burgdorferi</i> in vitro SK Singh, V Baar, H Morbach, HJ Girschick Rheumatology international 26, 818-827	9	2006
Analysis of RAG expression by peripheral blood CD5+ and CD5- B cells of patients with childhood systemic lupus erythematosus H Morbach, SK Singh, C Faber, PE Lipsky, HJ Girschick Annals of the rheumatic diseases 65 (4), 482-487	28	2006
Inflammation in white matter: clinical and pathophysiological aspects D Pleasure, A Soulika, SK Singh, V Gallo, P Bannerman Mental retardation and developmental disabilities research reviews 12 (2 ...	28	2006
Differential expression of chemokines in synovial cells exposed to different <i>Borrelia burgdorferi</i> isolates SK Singh, H Morbach, T Nanki, HJ Girschick Clin Exp Rheumatol 23 (3), 311-322	12	2005

TITLE	CITED BY	YEAR
Differential expression of matrix metalloproteinases and cyclooxygenases in synovial cells exposed to <i>Borrelia burgdorferi</i> SK Singh, H Morbach, T Nanki, C Faber, V Baar, HJ Girschick Inflammation Research 53 (12), 689-696	12	2004
Molecular survival strategies of the Lyme disease spirochete <i>Borrelia burgdorferi</i> SK Singh, HJ Girschick The Lancet infectious diseases 4 (9), 575-583	143	2004
Differential expression of matrix metalloproteinases and cyclooxygenases in synovial cells infected by <i>Borrelia burgdorferi</i> HJ Girschick, SK Singh, H Morbach, V Baar, C Faber, T Nanki ANNALS OF THE RHEUMATIC DISEASES 63, 481-481		2004
Rag expression by peripheral blood B cells of pediatric patients with systemic lupus erythematosus HJ Girschick, H Morbach, SK Singh, C Faber, A Grammer, R Lipsky ANNALS OF THE RHEUMATIC DISEASES 63, 142-142		2004
Differential expression of chemokines in synovial cells infected with different <i>borrelia burgdorferi</i> isolates HJ Girschick, SK Singh, H Morbach, T Nanki ANNALS OF THE RHEUMATIC DISEASES 63, 481-481		2004
Lyme borreliosis: from infection to autoimmunity SK Singh, HJ Girschick Clinical Microbiology and Infection 10 (7), 598-614	165	2004
Interaction of <i>Borrelia burgdorferi</i> with human synovial cells: insights into the pathogenesis of Lyme arthritis SK Singh		2004
Tick–host interactions and their immunological implications in tick-borne diseases SK Singh, HJ Girschick Current science, 1284-1298	66	2003
Expression of RAG1, RAG2 and VpreB genes in IgD+ CD5±peripheral B cells during cyclophosphamide treatment in pediatric SLE H Morbach, SK Singh, U Samfas, C Faber, PE Lipsky, HJ Girschick Aktuelle Rheumatologie 28 (05), G_4		2003
Expression of chemokines, metalloproteinases and cyclooxygenase in human synoviocytes by different <i>Borrelia burgdorferi</i> isolates SK Singh, V Bar, U Samfas, H Morbach, MA Frosch, C Faber, HJ Girschick Aktuelle Rheumatologie 28 (05), G_6		2003
Expression of RAG1, RAG2 and VpreB genes in IgD+ CD5+/-peripheral B cells during cyclophosphamide treatment in pediatric SLE. H Morbach, U Samfass, SK Singh, PE Lipsky, HJ Girschick Arthritis and Rheumatism 48 (9), S192-S192		2003

TITLE	CITED BY	YEAR
Expression of RAG1, RAG2 and VpreB genes in IgD+ CD5±peripheral B cells during cyclophosphamide treatment in pediatric SLE H Morbach, SK Singh, U Samfas, C Faber, PE Lipsky, HJ Girschick Akt Rheumatol, 28		2003