Sergey N Shchelkunov

List of Publications by Year
in descending order

54 papers	2,355 citations	201385 27 h-index	214527 47 g-index
59 all docs	59 docs citations	59 times ranked	1267 citing authors

#	Article	IF	Citations
1	Human monkeypox and smallpox viruses: genomic comparison. FEBS Letters, 2001, 509, 66-70.	1.3	231
2	An Increasing Danger of Zoonotic Orthopoxvirus Infections. PLoS Pathogens, 2013, 9, e1003756.	2.1	172
3	The Genomic Sequence Analysis of the Left and Right Species-Specific Terminal Region of a Cowpox Virus Strain Reveals Unique Sequences and a Cluster of Intact ORFs for Immunomodulatory and Host Range Proteins. Virology, 1998, 243, 432-460.	1.1	163
4	Real-Time PCR System for Detection of Orthopoxviruses and Simultaneous Identification of Smallpox Virus. Journal of Clinical Microbiology, 2004, 42, 1940-1946.	1.8	135
5	Genes of variola and vaccinia viruses necessary to overcome the host protective mechanisms. FEBS Letters, 1993, 319, 80-83.	1.3	101
6	Comparison of the genome DNA sequences of Bangladesh-1975 and India-1967 variola viruses. Virus Research, 1995, 36, 107-118.	1.1	95
7	Alastrim Smallpox Variola Minor Virus Genome DNA Sequences. Virology, 2000, 266, 361-386.	1.1	95
8	Conserved Surface-Exposed K/R-X-K/R Motifs and Net Positive Charge on Poxvirus Complement Control Proteins Serve as Putative Heparin Binding Sites and Contribute to Inhibition of Molecular Interactions with Human Endothelial Cells: a Novel Mechanism for Evasion of Host Defense. Journal of Virology, 2000, 74, 5659-5666.	1.5	94
9	The Cowpox Virus-Encoded Homolog of the Vaccinia Virus Complement Control Protein Is an Inflammation Modulatory Protein. Virology, 1997, 229, 126-133.	1.1	91
10	Species-specific identification of variola, monkeypox, cowpox, and vaccinia viruses by multiplex real-time PCR assay. Journal of Virological Methods, 2011, 175, 163-169.	1.0	89
11	Species-specific differentiation of variola, monkeypox, and varicella-zoster viruses by multiplex real-time PCR assay. Journal of Virological Methods, 2016, 236, 215-220.	1.0	77
12	Detection and discrimination of orthopoxviruses using microarrays of immobilized oligonucleotides. Journal of Virological Methods, 2003, 112, 67-78.	1.0	74
13	Species-Level Identification of Orthopoxviruses with an Oligonucleotide Microchip. Journal of Clinical Microbiology, 2002, 40, 753-757.	1.8	72
14	Immunogenicity of a novel, bivalent, plant-based oral vaccine against hepatitis B and human immunodeficiency viruses. Biotechnology Letters, 2006, 28, 959-967.	1.1	68
15	Emergence and reemergence of smallpox: The need for development of a new generation smallpox vaccine. Vaccine, 2011, 29, D49-D53.	1.7	68
16	Comparison of the genetic maps of variola and vaccinia viruses. FEBS Letters, 1993, 327, 321-324.	1.3	52
17	How long ago did smallpox virus emerge?. Archives of Virology, 2009, 154, 1865-1871.	0.9	50
18	Orthopoxvirus Genes That Mediate Disease Virulence and Host Tropism. Advances in Virology, 2012, 2012, 1-17.	0.5	49

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19	Ankyrin-like proteins of variola and vaccinia viruses. FEBS Letters, 1993, 319, 163-165.	1.3	47
20	Properties of the recombinant TNF-binding proteins from variola, monkeypox, and cowpox viruses are different. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2006, 1764, 1710-1718.	1.1	42
21	Terminal Region Sequence Variations in Variola Virus DNA. Virology, 1996, 221, 291-300.	1.1	40
22	Functional organization of variola major and vaccinia virus genomes. Virus Genes, 1995, 10, 53-71.	0.7	35
23	Microarray assay for detection and discrimination ofOrthopoxvirus species. Journal of Medical Virology, 2006, 78, 1325-1340.	2.5	35
24	Molecular mimicry of the inflammation modulatory proteins (IMPs) of poxviruses: evasion of the inflammatory response to preserve viral habitat. Journal of Leukocyte Biology, 1998, 64, 68-71.	1.5	33
25	Species-specific differences in organization of orthopoxvirus kelch-like proteins. Virus Genes, 2002, 24, 157-162.	0.7	32
26	Analysis of the nucleotide sequence of 23.8 kbp from the left terminus of the genome of variola major virus strain India-1967. Virus Research, 1996, 40, 169-183.	1.1	28
27	Species-specific differences in the structure of orthopoxvirus complement-binding protein. Virus Research, 2001, 81, 39-45.	1.1	28
28	Genetic Characterization of the M RNA Segment of Crimean-Congo Hemorrhagic Fever Virus Strains Isolated in Russia and Tajikistan. Virus Genes, 2004, 28, 187-193.	0.7	22
29	Interaction of orthopoxviruses with the cellular ubiquitin-ligase system. Virus Genes, 2010, 41, 309-318.	0.7	21
30	Genes that control vaccinia virus immunogenicity. Acta Naturae, 2020, 12, 33-41.	1.7	20
31	Comparative studies of gamma-interferon receptor-like proteins of variola major and variola minor viruses. FEBS Letters, 1996, 382, 79-83.	1.3	18
32	Are We Prepared in Case of a Possible Smallpox-Like Disease Emergence?. Viruses, 2017, 9, 242.	1.5	18
33	Real-time PCR assay for specific detection of cowpox virus. Journal of Virological Methods, 2015, 211, 8-11.	1.0	17
34	Development of real-time PCR assay for specific detection of cowpox virus. Journal of Clinical Virology, 2010, 49, 37-40.	1.6	16
35	SECRET domain of variola virus CrmB protein can be a member of poxviral type II chemokine-binding proteins family. BMC Research Notes, 2010, 3, 271.	0.6	15
36	Analysis of the nucleotide sequence of a 43 kbp segment of the genome of variola virus India-1967 strain. Virus Research, 1993, 30, 239-258.	1.1	12

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37	Oncolytic virus efficiency inhibited growth of tumour cells with multiple drug resistant phenotype in vivo and in vitro. Journal of Translational Medicine, 2016, 14, 241.	1.8	12
38	Variola and camelpox virus-specific sequences are part of a single large open reading frame identified in two German cowpox virus strains. Virus Research, 2005, 108, 39-43.	1.1	11
39	Effect of the Route of Administration of the Vaccinia Virus Strain LIVP to Mice on Its Virulence and Immunogenicity. Viruses, 2020, 12, 795.	1.5	9
40	The gene encoding the late nonstructural 36K protein of vaccinia virus is essential for virus reproduction. Virus Research, 1993, 28, 273-283.	1.1	7
41	Plant-based vaccines against human hepatitis B virus. Expert Review of Vaccines, 2010, 9, 947-955.	2.0	7
42	A New Class of Uracilâ€“DNA Glycosylase Inhibitors Active against Human and Vaccinia Virus Enzyme. Molecules, 2021, 26, 6668.	1.7	7
43	Immunomodulating Drugs Based on Poxviral Proteins. BioDrugs, 2016, 30, 9-16.	2.2	5
44	Adaptive Immune Response to Vaccinia Virus LIVP Infection of BALB/c Mice and Protection against Lethal Reinfection with Cowpox Virus. Viruses, 2021, 13, 1631.	1.5	5
45	TNF Binding Protein of Variola Virus Acts as a TNF Antagonist at Epicutaneous Application. Current Pharmaceutical Biotechnology, 2015, 16, 72-76.	0.9	4
46	Enhancing the Immunogenicity of Vaccinia Virus. Viruses, 2022, 14, 1453.	1.5	4
47	Genome stability of the vaccine strain VACâˆ†6. Vavilovskii Zhurnal Genetiki I Selektsii, 2022, 26, 394-401.	0.4	4
48	Route-coupled pathogenicity and immunogenicity of vaccinia virus variant inoculated mice. Russian Journal of Infection and Immunity, 2021, 11, 357-364.	0.2	3
49	Exploring Interaction of TNF and Orthopoxviral CrmB Protein by Surface Plasmon Resonance and Free Energy Calculation. Protein and Peptide Letters, 2014, 21, 1273-1281.	0.4	3
50	Anti-inflammatory Effects of Variola Virus TNF Decoy Receptor in an Experimental Model of Contact Dermatitis. Current Pharmaceutical Biotechnology, 2018, 19, 910-916.	0.9	2
51	Immunogenicity and Protective Efficacy of a Polyvalent DNA Vaccine against Human Orthopoxvirus Infections Based on Smallpox Virus Genes. Journal of Vaccines, 2013, 2013, 1-8.	0.6	1
52	Enhancing the Protective Immune Response to Administration of a LIVP-GFP Live Attenuated Vaccinia Virus to Mice. Pathogens, 2021, 10, 377.	1.2	1
53	Assessing immunogenicity and protectiveness of the vaccinia virus LIVP-GFP in three laboratory animal models. Russian Journal of Infection and Immunity, 2022, 11, 1167-1172.	0.2	1
54	Increasing protectivity of the smallpox vaccine. Medical Immunology (Russia), 2022, 24, 201-206.	0.1	1