Sergey N Shchelkunov

List of Publications by Citations

51	1,639	23	40
papers	citations	h-index	g-index
59	2,013	4.4	4.63
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
51	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, 432-60	3.6	139
50	An increasing danger of zoonotic orthopoxvirus infections. *PLoS Pathogens*, **2013**, 9, e1003756	7.6	114
49	Real-time PCR system for detection of orthopoxviruses and simultaneous identification of smallpox virus. *Journal of Clinical Microbiology*, **2004**, 42, 1940-6	9.7	102
48	Human monkeypox and smallpox viruses: genomic comparison. *FEBS Letters*, **2001**, 509, 66-70	3.8	100
47	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, 5659-66	6.6	88
46	Alastrim smallpox variola minor virus genome DNA sequences. *Virology*, **2000**, 266, 361-86	3.6	84
45	Comparison of the genome DNA sequences of Bangladesh-1975 and India-1967 variola viruses. *Virus Research*, **1995**, 36, 107-18	6.4	81
44	Genes of variola and vaccinia viruses necessary to overcome the host protective mechanisms. *FEBS Letters*, **1993**, 319, 80-3	3.8	81
43	The cowpox virus-encoded homolog of the vaccinia virus complement control protein is an inflammation modulatory protein. *Virology*, **1997**, 229, 126-33	3.6	80
42	Detection and discrimination of orthopoxviruses using microarrays of immobilized oligonucleotides. *Journal of Virological Methods*, **2003**, 112, 67-78	2.6	64
41	Immunogenicity of a novel, bivalent, plant-based oral vaccine against hepatitis B and human immunodeficiency viruses. *Biotechnology Letters*, **2006**, 28, 959-67	3	61
40	Species-level identification of orthopoxviruses with an oligonucleotide microchip. *Journal of Clinical Microbiology*, **2002**, 40, 753-7	9.7	57
39	Comparison of the genetic maps of variola and vaccinia viruses. *FEBS Letters*, **1993**, 327, 321-4	3.8	42
38	How long ago did smallpox virus emerge?. *Archives of Virology*, **2009**, 154, 1865-71	2.6	36
37	Emergence and reemergence of smallpox: the need for development of a new generation smallpox vaccine. *Vaccine*, **2011**, 29 Suppl 4, D49-53	4.1	35
36	Ankyrin-like proteins of variola and vaccinia viruses. *FEBS Letters*, **1993**, 319, 163-5	3.8	35
35	Species-specific identification of variola, monkeypox, cowpox, and vaccinia viruses by multiplex real-time PCR assay. *Journal of Virological Methods*, **2011**, 175, 163-9	2.6	34

34	Functional organization of variola major and vaccinia virus genomes. *Virus Genes*, **1995**, 10, 53-71	2.3	33
33	Terminal region sequence variations in variola virus DNA. *Virology*, **1996**, 221, 291-300	3.6	33
32	Properties of the recombinant TNF-binding proteins from variola, monkeypox, and cowpox viruses are different. *Biochimica Et Biophysica Acta - Proteins and Proteomics*, **2006**, 1764, 1710-8	4	31
31	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	6.5	26
30	Species-specific differences in organization of orthopoxvirus kelch-like proteins. *Virus Genes*, **2002**, 24, 157-62	2.3	24
29	Species-specific differences in the structure of orthopoxvirus complement-binding protein. *Virus Research*, **2001**, 81, 39-45	6.4	24
28	Microarray assay for detection and discrimination of Orthopoxvirus species. *Journal of Medical Virology*, **2006**, 78, 1325-40	19.7	23
27	Orthopoxvirus genes that mediate disease virulence and host tropism. *Advances in Virology*, **2012**, 2012, 524743	1.9	20
26	Genetic characterization of the M RNA segment of Crimean-Congo hemorrhagic fever virus strains isolated in Russia and Tajikistan. *Virus Genes*, **2004**, 28, 187-93	2.3	18
25	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, 169-83	6.4	17
24	Species-specific differentiation of variola, monkeypox, and varicella-zoster viruses by multiplex real-time PCR assay. *Journal of Virological Methods*, **2016**, 236, 215-220	2.6	16
23	Interaction of orthopoxviruses with the cellular ubiquitin-ligase system. *Virus Genes*, **2010**, 41, 309-18	2.3	16
22	Comparative studies of gamma-interferon receptor-like proteins of variola major and variola minor viruses. *FEBS Letters*, **1996**, 382, 79-83	3.8	15
21	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	2.3	13
20	Analysis of the nucleotide sequence of a 43 kbp segment of the genome of variola virus India-1967 strain. *Virus Research*, **1993**, 30, 239-58	6.4	12
19	Development of real-time PCR assay for specific detection of cowpox virus. *Journal of Clinical Virology*, **2010**, 49, 37-40	14.5	10
18	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	6.4	9
17	Real-time PCR assay for specific detection of cowpox virus. *Journal of Virological Methods*, **2015**, 211, 8-11	2.6	8

16	Are We Prepared in Case of a Possible Smallpox-Like Disease Emergence?. *Viruses*, **2017**, 9,	6.2	8
15	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	8.5	8
14	Plant-based vaccines against human hepatitis B virus. *Expert Review of Vaccines*, **2010**, 9, 947-55	5.2	7
13	The gene encoding the late nonstructural 36K protein of vaccinia virus is essential for virus reproduction. *Virus Research*, **1993**, 28, 273-83	6.4	6
12	Genes that Control Vaccinia Virus Immunogenicity. *Acta Naturae*, **2020**, 12, 33-41	2.1	6
11	Immunomodulating Drugs Based on Poxviral Proteins. *BioDrugs*, **2016**, 30, 9-16	7.9	3
10	TNF binding protein of variola virus acts as a TNF antagonist at epicutaneous application. *Current Pharmaceutical Biotechnology*, **2015**, 16, 72-6	2.6	3
9	Exploring interaction of TNF and orthopoxviral CrmB protein by surface plasmon resonance and free energy calculation. *Protein and Peptide Letters*, **2014**, 21, 1273-81	1.9	3
8	Effect of the Route of Administration of the Vaccinia Virus Strain LIVP to Mice on Its Virulence and Immunogenicity. *Viruses*, **2020**, 12,	6.2	3
7	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	0.4	1
6	Anti-inflammatory Effects of Variola Virus TNF Decoy Receptor in an Experimental Model of Contact Dermatitis. *Current Pharmaceutical Biotechnology*, **2018**, 19, 910-916	2.6	1
5	Route-coupled pathogenicity and immunogenicity of vaccinia virus variant inoculated mice. *Russian Journal of Infection and Immunity*, **2021**, 11, 357-364	0.4	1
4	Adaptive Immune Response to Vaccinia Virus LIVP Infection of BALB/c Mice and Protection against Lethal Reinfection with Cowpox Virus. *Viruses*, **2021**, 13,	6.2	1
3	Immunogenicity and Protective Efficacy of a Polyvalent DNA Vaccine against Human Orthopoxvirus Infections Based on Smallpox Virus Genes **2013**, 2013, 1-8		0
2	Increasing protectivity of the smallpox vaccine. *Medical Immunology (Russia)*, **2022**, 24, 201-206	0.5	0
1	Plant-based hepatitis B vaccines **2011**, 94-103		