

Olli Pekka Vapalahti

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372
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59
h-index

108
g-index

409
ext. papers

18,318
ext. citations

8.5
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6.47
L-index

#	Paper	IF	Citations
372	A serological assay to detect SARS-CoV-2 seroconversion in humans. <i>Nature Medicine</i> , 2020 , 26, 1033-1036	36.5	1111
371	Neuropilin-1 facilitates SARS-CoV-2 cell entry and infectivity. <i>Science</i> , 2020 , 370, 856-860	33.3	809
370	Zika Virus Infection with Prolonged Maternal Viremia and Fetal Brain Abnormalities. <i>New England Journal of Medicine</i> , 2016 , 374, 2142-51	59.2	627
369	A global perspective on hantavirus ecology, epidemiology, and disease. <i>Clinical Microbiology Reviews</i> , 2010 , 23, 412-41	34	625
368	Tick-borne encephalitis. <i>Lancet, The</i> , 2008 , 371, 1861-71	40	471
367	Hantavirus infections in Europe. <i>Lancet Infectious Diseases, The</i> , 2003 , 3, 653-61	25.5	448
366	Hantaviruses: genome structure, expression and evolution. <i>Journal of General Virology</i> , 1996 , 77 (Pt 11), 2677-87	4.9	303
365	Bioportfolio: lifelong persistence of variant and prototypic erythrovirus DNA genomes in human tissue. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 7450-3	11.5	210
364	Hantavirus infections in Europe and their impact on public health. <i>Reviews in Medical Virology</i> , 2013 , 23, 35-49	11.7	201
363	Recent Zika Virus Isolates Induce Premature Differentiation of Neural Progenitors in Human Brain Organoids. <i>Cell Stem Cell</i> , 2017 , 20, 397-406.e5	18	186
362	Prolonged survival of Puumala hantavirus outside the host: evidence for indirect transmission via the environment. <i>Journal of General Virology</i> , 2006 , 87, 2127-2134	4.9	181
361	Serological and molecular findings during SARS-CoV-2 infection: the first case study in Finland, January to February 2020. <i>Eurosurveillance</i> , 2020 , 25,	19.8	171
360	Tula virus: a newly detected hantavirus carried by European common voles. <i>Journal of Virology</i> , 1994 , 68, 7833-9	6.6	145
359	Human B-cell epitopes of Puumala virus nucleocapsid protein, the major antigen in early serological response. <i>Journal of Medical Virology</i> , 1995 , 46, 293-303	19.7	139
358	Performance of six SARS-CoV-2 immunoassays in comparison with microneutralisation. <i>Journal of Clinical Virology</i> , 2020 , 129, 104512	14.5	134
357	Genetic susceptibility to severe course of nephropathia epidemica caused by Puumala hantavirus. <i>Kidney International</i> , 1996 , 49, 217-21	9.9	127
356	Tula and Puumala hantavirus NSs ORFs are functional and the products inhibit activation of the interferon-beta promoter. <i>Journal of Medical Virology</i> , 2007 , 79, 1527-36	19.7	119

355	A serological assay to detect SARS-CoV-2 seroconversion in humans 2020 ,		112
354	Cloning and sequencing of Puumala virus Sotkamo strain S and M RNA segments: evidence for strain variation in hantaviruses and expression of the nucleocapsid protein. <i>Journal of General Virology</i> , 1992 , 73 (Pt 4), 829-38	4.9	110
353	Puumala hantavirus genome in patients with nephropathia epidemica: correlation of PCR positivity with HLA haplotype and link to viral sequences in local rodents. <i>Journal of Clinical Microbiology</i> , 1997 , 35, 1090-6	9.7	110
352	COVID-19 mRNA vaccine induced antibody responses against three SARS-CoV-2 variants. <i>Nature Communications</i> , 2021 , 12, 3991	17.4	110
351	Taxonomy of the family Arenaviridae and the order Bunyvirales: update 2018. <i>Archives of Virology</i> , 2018 , 163, 2295-2310	2.6	108
350	Isolation and characterization of Tula virus, a distinct serotype in the genus Hantavirus, family Bunyviridae. <i>Journal of General Virology</i> , 1996 , 77 (Pt 12), 3063-7	4.9	108
349	Isolation and characterization of a hantavirus from Lemmus sibiricus: evidence for host switch during hantavirus evolution. <i>Journal of Virology</i> , 1999 , 73, 5586-92	6.6	105
348	Antigenic properties and diagnostic potential of puumala virus nucleocapsid protein expressed in insect cells. <i>Journal of Clinical Microbiology</i> , 1996 , 34, 119-25	9.7	103
347	Cyclic hantavirus epidemics in humans--predicted by rodent host dynamics. <i>Epidemics</i> , 2009 , 1, 101-7	5.1	101
346	Isolation and characterization of Dobrava hantavirus carried by the striped field mouse (<i>Apodemus agrarius</i>) in Estonia. <i>Journal of General Virology</i> , 1999 , 80 (Pt 2), 371-379	4.9	101
345	Cowpox with severe generalized eruption, Finland. <i>Emerging Infectious Diseases</i> , 2003 , 9, 1458-61	10.2	98
344	Sindbis virus as a human pathogen-epidemiology, clinical picture and pathogenesis. <i>Reviews in Medical Virology</i> , 2016 , 26, 221-41	11.7	96
343	Endemic hantavirus infection impairs the winter survival of its rodent host. <i>Ecology</i> , 2007 , 88, 1911-6	4.6	93
342	Characterization of Puumala virus nucleocapsid protein: identification of B-cell epitopes and domains involved in protective immunity. <i>Virology</i> , 1996 , 216, 397-406	3.6	93
341	Neuropathologic features of four autopsied COVID-19 patients. <i>Brain Pathology</i> , 2020 , 30, 1012-1016	6	93
340	Systems-Level Immunomonitoring from Acute to Recovery Phase of Severe COVID-19. <i>Cell Reports Medicine</i> , 2020 , 1, 100078	18	92
339	Hypophyseal hemorrhage and panhypopituitarism during Puumala Virus Infection: Magnetic Resonance Imaging and detection of viral antigen in the hypophysis. <i>Clinical Infectious Diseases</i> , 2002 , 35, 96-101	11.6	90
338	Isolation, identification, and characterization of novel arenaviruses, the etiological agents of boid inclusion body disease. <i>Journal of Virology</i> , 2013 , 87, 10918-35	6.6	87

337	Clinical and laboratory manifestations of Sindbis virus infection: prospective study, Finland, 2002-2003. <i>Journal of Infectious Diseases</i> , 2005 , 191, 1820-9	7	87
336	Early diagnosis of dengue in travelers: comparison of a novel real-time RT-PCR, NS1 antigen detection and serology. <i>Journal of Clinical Virology</i> , 2010 , 47, 49-53	14.5	86
335	Human leukocyte antigen-B8-DR3 is a more important risk factor for severe Puumala hantavirus infection than the tumor necrosis factor-alpha(-308) G/A polymorphism. <i>Journal of Infectious Diseases</i> , 2002 , 186, 843-6	7	86
334	Siberian subtype tickborne encephalitis virus, Finland. <i>Emerging Infectious Diseases</i> , 2006 , 12, 1568-71	10.2	82
333	Epidemiological study of nephropathia epidemica in Finland 1989-96. <i>Scandinavian Journal of Infectious Diseases</i> , 1999 , 31, 427-35		82
332	Evaluation of commercial and automated SARS-CoV-2 IgG and IgA ELISAs using coronavirus disease (COVID-19) patient samples. <i>Eurosurveillance</i> , 2020 , 25,	19.8	81
331	Characterization of a novel flavivirus from mosquitoes in northern Europe that is related to mosquito-borne flaviviruses of the tropics. <i>Journal of Virology</i> , 2009 , 83, 9532-40	6.6	80
330	Sequences of wild Puumala virus genes show a correlation of genetic variation with geographic origin of the strains. <i>Journal of General Virology</i> , 1994 , 75 (Pt 2), 405-9	4.9	79
329	Complex evolution and epidemiology of Dobrava-Belgrade hantavirus: definition of genotypes and their characteristics. <i>Archives of Virology</i> , 2013 , 158, 521-9	2.6	78
328	Susceptibility of human cells to Puumala virus infection. <i>Journal of General Virology</i> , 1993 , 74 (Pt 3), 515-9	4.9	78
327	How to diagnose hantavirus infections and detect them in rodents and insectivores. <i>Reviews in Medical Virology</i> , 2008 , 18, 277-88	11.7	73
326	Maternal antibodies postpone hantavirus infection and enhance individual breeding success. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2006 , 273, 2771-6	4.4	73
325	Disease burden of Puumala virus infections, 1995-2008. <i>Epidemiology and Infection</i> , 2010 , 138, 1484-92	4.3	71
324	Genetic variation in Tula hantaviruses: sequence analysis of the S and M segments of strains from Central Europe. <i>Virus Research</i> , 1995 , 39, 237-50	6.4	71
323	Association of HLA B27 with benign clinical course of nephropathia epidemica caused by Puumala hantavirus. <i>Scandinavian Journal of Immunology</i> , 1998 , 47, 277-9	3.4	69
322	Obatoclox, saliphenylhalamide and gemcitabine inhibit Zika virus infection <i>in vitro</i> and differentially affect cellular signaling, transcription and metabolism. <i>Antiviral Research</i> , 2017 , 139, 117-128	10.8	68
321	Genetic variation of wild Puumala viruses within the serotype, local rodent populations and individual animal. <i>Virus Research</i> , 1995 , 38, 25-41	6.4	66
320	Japanese encephalitis virus RNA detected in <i>Culex pipiens</i> mosquitoes in Italy. <i>Eurosurveillance</i> , 2012 , 17,	19.8	66

319	Obatoclox, saliphenylhalamide, and gemcitabine inhibit influenza a virus infection. <i>Journal of Biological Chemistry</i> , 2012 , 287, 35324-35332	5.4	65
318	Epidemiology of Sindbis virus infections in Finland 1981-96: possible factors explaining a peculiar disease pattern. <i>Epidemiology and Infection</i> , 2002 , 129, 335-45	4.3	65
317	Experimental transmission of Zika virus by mosquitoes from central Europe. <i>Eurosurveillance</i> , 2017 , 22,	19.8	64
316	Evaluation of serological methods for diagnosis of Puumala hantavirus infection (nephropathia epidemica). <i>Journal of Clinical Microbiology</i> , 1997 , 35, 3264-8	9.7	63
315	Hantavirus and arenavirus antibody prevalence in rodents and humans in Trentino, Northern Italy. <i>Epidemiology and Infection</i> , 2006 , 134, 830-6	4.3	62
314	Tula hantavirus triggers pro-apoptotic signals of ER stress in Vero E6 cells. <i>Virology</i> , 2005 , 333, 180-9	3.6	61
313	Zika virus infection in a traveller returning from the Maldives, June 2015. <i>Eurosurveillance</i> , 2016 , 21,	19.8	59
312	Tick-borne encephalitis virus in wild rodents in winter, Finland, 2008-2009. <i>Emerging Infectious Diseases</i> , 2011 , 17, 72-5	10.2	58
311	Hantavirus nucleocapsid protein interacts with the Fas-mediated apoptosis enhancer Daxx. <i>Journal of General Virology</i> , 2002 , 83, 759-766	4.9	58
310	Sindbis virus infection in resident birds, migratory birds, and humans, Finland. <i>Emerging Infectious Diseases</i> , 2008 , 14, 41-7	10.2	57
309	Diagnostic rapid tests for acute hantavirus infections: specific tests for Hantaan, Dobrava and Puumala viruses versus a hantavirus combination test. <i>Journal of Virological Methods</i> , 2003 , 108, 117-22	2.6	56
308	Causative agent of Pogosta disease isolated from blood and skin lesions. <i>Emerging Infectious Diseases</i> , 2004 , 10, 889-94	10.2	53
307	Association between the DQA MHC class II gene and Puumala virus infection in <i>Myodes glareolus</i> , the bank vole. <i>Infection, Genetics and Evolution</i> , 2008 , 8, 450-8	4.5	52
306	Case-control study on Puumala virus infection: smoking is a risk factor. <i>Epidemiology and Infection</i> , 2010 , 138, 576-84	4.3	51
305	Evaluation of Puumala virus IgG and IgM enzyme immunoassays based on recombinant baculovirus-expressed nucleocapsid protein for early nephropathia epidemica diagnosis. <i>Clinical and Diagnostic Virology</i> , 1998 , 10, 83-90		51
304	Cytoplasmic tails of hantavirus glycoproteins interact with the nucleocapsid protein. <i>Journal of General Virology</i> , 2010 , 91, 2341-50	4.9	50
303	Tick-borne encephalitis virus in ticks in Finland, Russian Karelia and Buryatia. <i>Journal of General Virology</i> , 2010 , 91, 2706-12	4.9	50
302	A rapid fluorescent focus inhibition test for detection of neutralizing antibodies to tick-borne encephalitis virus. <i>Journal of Virological Methods</i> , 1998 , 73, 71-5	2.6	50

301	Cross-protective capacity of Japanese encephalitis (JE) vaccines against circulating heterologous JE virus genotypes. <i>Clinical Infectious Diseases</i> , 2013 , 56, 267-70	11.6	49
300	Hantavirus infections in fluctuating host populations: the role of maternal antibodies. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010 , 277, 3783-91	4.4	47
299	Genomic monitoring of SARS-CoV-2 uncovers an Nsp1 deletion variant that modulates type I interferon response. <i>Cell Host and Microbe</i> , 2021 , 29, 489-502.e8	23.4	47
298	Dobrava hantavirus in Estonia: does the virus exist throughout Europe?. <i>Lancet, The</i> , 1997 , 349, 1369-70	4.0	46
297	Puumala virus infections in Finland: increased occupational risk for farmers. <i>American Journal of Epidemiology</i> , 1999 , 149, 1142-51	3.8	46
296	Effect of interferon-alpha and cell differentiation on Puumala virus infection in human monocyte/macrophages. <i>Virology</i> , 1995 , 206, 8-15	3.6	46
295	Bombali Virus in Mops condylurus Bat, Kenya. <i>Emerging Infectious Diseases</i> , 2019 , 25, 955-957	10.2	45
294	Novel activities of safe-in-human broad-spectrum antiviral agents. <i>Antiviral Research</i> , 2018 , 154, 174-182	10.8	45
293	Common Nodes of Virus-Host Interaction Revealed Through an Integrated Network Analysis. <i>Frontiers in Immunology</i> , 2019 , 10, 2186	8.4	45
292	Transfection-mediated generation of functionally competent Tula hantavirus with recombinant S RNA segment. <i>EMBO Journal</i> , 2002 , 21, 1497-503	13	45
291	Comparison of the deduced gene products of the L, M and S genome segments of hantaviruses. <i>Virus Research</i> , 1992 , 24, 35-46	6.4	45
290	Novel flaviviruses from mosquitoes: mosquito-specific evolutionary lineages within the phylogenetic group of mosquito-borne flaviviruses. <i>Virology</i> , 2014 , 464-465, 320-329	3.6	44
289	Tula hantavirus infection of Vero E6 cells induces apoptosis involving caspase 8 activation. <i>Journal of General Virology</i> , 2004 , 85, 3261-3268	4.9	43
288	Newly recognised hantavirus in Siberian lemmings. <i>Lancet, The</i> , 1996 , 347, 1835	4.0	43
287	Interaction between molecules of hantavirus nucleocapsid protein. <i>Journal of General Virology</i> , 2001 , 82, 1845-1853	4.9	43
286	Renal function and blood pressure five years after puumala virus-induced nephropathy. <i>Kidney International</i> , 2000 , 58, 1711-8	9.9	42
285	Epidemiology and host spectrum of Bornea disease virus infections. <i>Journal of General Virology</i> , 2013 , 94, 247-262	4.9	41
284	Complement activation in Puumala hantavirus infection correlates with disease severity. <i>Annals of Medicine</i> , 2012 , 44, 468-75	1.5	41

283	Evaluation of three rapid lateral flow antigen detection tests for the diagnosis of SARS-CoV-2 infection. <i>Journal of Clinical Virology</i> , 2021 , 137, 104785	14.5	41
282	Dobrava hantavirus outbreak in Russia. <i>Lancet, The</i> , 1997 , 350, 781-2	4.0	40
281	Arthritis and arthralgia three years after Sindbis virus infection: clinical follow-up of a cohort of 49 patients. <i>Scandinavian Journal of Infectious Diseases</i> , 2008 , 40, 167-73		40
280	Immune responses to Puumala virus infection and the pathogenesis of nephropathia epidemica. <i>Microbes and Infection</i> , 2004 , 6, 238-45	9.3	40
279	Human immune response to Puumala virus glycoproteins and nucleocapsid protein expressed in mammalian cells. <i>Journal of Medical Virology</i> , 2001 , 65, 605-613	19.7	40
278	Characterization of Tula virus antigenic determinants defined by monoclonal antibodies raised against baculovirus-expressed nucleocapsid protein. <i>Virus Research</i> , 1996 , 45, 29-44	6.4	40
277	European subtype tick-borne encephalitis virus in Ixodes persulcatus ticks. <i>Emerging Infectious Diseases</i> , 2011 , 17, 323-5	10.2	39
276	Central nervous system-related symptoms and findings are common in acute Puumala hantavirus infection. <i>Annals of Medicine</i> , 2010 , 42, 344-51	1.5	39
275	Serological evidence for Borna disease virus infection in humans, wild rodents and other vertebrates in Finland. <i>Journal of Clinical Virology</i> , 2007 , 38, 64-9	14.5	39
274	Hantavirus outbreak in Western Europe: reservoir host infection dynamics related to human disease patterns. <i>Epidemiology and Infection</i> , 2011 , 139, 381-90	4.3	38
273	Orthopox virus infections in Eurasian wild rodents. <i>Vector-Borne and Zoonotic Diseases</i> , 2011 , 11, 1133-40.	4.4	38
272	Polymorphism of the cytokine genes in hospitalized patients with Puumala hantavirus infection. <i>Nephrology Dialysis Transplantation</i> , 2001 , 16, 1368-73	4.3	38
271	Identification of a Novel Deltavirus in Boa Constrictors. <i>MBio</i> , 2019 , 10,	7.8	37
270	Prevalence of tick-borne encephalitis virus in Ixodes ricinus ticks in Finland. <i>Journal of Medical Virology</i> , 2001 , 64, 21-8	19.7	37
269	Molecular epidemiology of Aleutian mink disease virus in Finland. <i>Veterinary Microbiology</i> , 2009 , 133, 229-38	3.3	36
268	Rate of evolution and molecular epidemiology of tick-borne encephalitis virus in Europe, including two isolations from the same focus 44 years apart. <i>Journal of General Virology</i> , 2012 , 93, 786-796	4.9	35
267	Viral zoonoses in Europe. <i>FEMS Microbiology Reviews</i> , 2005 , 29, 1051-77	15.1	35
266	Siberian subtype tick-borne encephalitis virus in Ixodes ricinus in a newly emerged focus, Finland. <i>Ticks and Tick-borne Diseases</i> , 2016 , 7, 216-223	3.6	34

265	Approach to non-invasive sampling in dengue diagnostics: exploring virus and NS1 antigen detection in saliva and urine of travelers with dengue. <i>Journal of Clinical Virology</i> , 2014 , 61, 353-8	14.5	34
264	Arenavirus Coinfections Are Common in Snakes with Boid Inclusion Body Disease. <i>Journal of Virology</i> , 2015 , 89, 8657-60	6.6	34
263	A single dose of vero cell-derived Japanese encephalitis (JE) vaccine (Ixiaro) effectively boosts immunity in travelers primed with mouse brain-derived JE vaccines. <i>Clinical Infectious Diseases</i> , 2012 , 55, 825-34	11.6	34
262	Longitudinal proteomic profiling reveals increased early inflammation and sustained apoptosis proteins in severe COVID-19. <i>Scientific Reports</i> , 2020 , 10, 20533	4.9	34
261	Novel insect-specific flavivirus isolated from northern Europe. <i>Virology</i> , 2012 , 433, 471-8	3.6	33
260	Replication of boid inclusion body disease-associated arenaviruses is temperature sensitive in both boid and mammalian cells. <i>Journal of Virology</i> , 2015 , 89, 1119-28	6.6	32
259	Immunogenetic factors affecting susceptibility of humans and rodents to hantaviruses and the clinical course of hantaviral disease in humans. <i>Viruses</i> , 2014 , 6, 2214-41	6.2	32
258	Environmental change and disease dynamics: effects of intensive forest management on Puumala hantavirus infection in boreal bank vole populations. <i>PLoS ONE</i> , 2012 , 7, e39452	3.7	31
257	The three subtypes of tick-borne encephalitis virus induce encephalitis in a natural host, the bank vole (<i>Myodes glareolus</i>). <i>PLoS ONE</i> , 2013 , 8, e81214	3.7	30
256	Japanese encephalitis in a Finnish traveler on a two-week holiday in Thailand. <i>Journal of Clinical Virology</i> , 2008 , 43, 93-5	14.5	30
255	New immunochromatographic rapid test for diagnosis of acute Puumala virus infection. <i>Journal of Clinical Microbiology</i> , 2001 , 39, 2146-50	9.7	30
254	Puumala virus antibody and immunoglobulin G avidity assays based on a recombinant nucleocapsid antigen. <i>Journal of Clinical Microbiology</i> , 1993 , 31, 677-80	9.7	30
253	Acute Human Inkoo and Chatanga Virus Infections, Finland. <i>Emerging Infectious Diseases</i> , 2016 , 22, 810-7	10.2	30
252	Anticancer compound ABT-263 accelerates apoptosis in virus-infected cells and imbalances cytokine production and lowers survival rates of infected mice. <i>Cell Death and Disease</i> , 2013 , 4, e742	9.8	29
251	Co-circulation of three pathogenic hantaviruses: Puumala, Dobrava, and Saaremaa in Hungary. <i>Journal of Medical Virology</i> , 2009 , 81, 2045-52	19.7	29
250	Molecular detection of Bartonella spp. in deer ked pupae, adult keds and moose blood in Finland. <i>Epidemiology and Infection</i> , 2015 , 143, 578-85	4.3	28
249	Development and evaluation of an enzyme-linked immunosorbent assay based on recombinant VP2 capsids for the detection of antibodies to Aleutian mink disease virus. <i>Vaccine Journal</i> , 2009 , 16, 1360-5		28
248	Human immune response, host genetics, and severity of disease. <i>Current Topics in Microbiology and Immunology</i> , 2001 , 256, 153-69	3.3	28

247	Detection of novel tick-borne pathogen, Alongshan virus, in ticks, south-eastern Finland, 2019. <i>Eurosurveillance</i> , 2019 , 24,	19.8	27
246	Antiviral Properties of Chemical Inhibitors of Cellular Anti-Apoptotic Bcl-2 Proteins. <i>Viruses</i> , 2017 , 9,	6.2	27
245	Molecular epidemiology of outbreak-associated and wild-waterfowl-derived newcastle disease virus strains in Finland, including a novel class I genotype. <i>Journal of Clinical Microbiology</i> , 2012 , 50, 3664-3673	9.7	27
244	Semen inhibits Zika virus infection of cells and tissues from the anogenital region. <i>Nature Communications</i> , 2018 , 9, 2207	17.4	26
243	Novel Hantavirus in Wildlife, United Kingdom. <i>Emerging Infectious Diseases</i> , 2013 , 19, 673-5	10.2	26
242	Dengue in travelers: kinetics of viremia and NS1 antigenemia and their associations with clinical parameters. <i>PLoS ONE</i> , 2013 , 8, e65900	3.7	26
241	Systemic inflammation in hemorrhagic fever with renal syndrome correlates with hypotension and thrombocytopenia but not with renal injury. <i>Journal of Infectious Diseases</i> , 2000 , 181, 1964-70	7	26
240	Spatial and Temporal Dynamics of Lymphocytic Choriomeningitis Virus in Wild Rodents, Northern Italy. <i>Emerging Infectious Diseases</i> , 2009 , 15, 1019-1025	10.2	26
239	Seroprevalence and Risk Factors of Inkoo Virus in Northern Sweden. <i>American Journal of Tropical Medicine and Hygiene</i> , 2016 , 94, 1103-1106	3.2	26
238	Food limitation constrains host immune responses to nematode infections. <i>Biology Letters</i> , 2016 , 12,	3.6	26
237	Isolation of Dobrava virus from Apodemus flavicollis in Greece. <i>Journal of Clinical Microbiology</i> , 2001 , 39, 2291-3	9.7	25
236	Antigenic properties and diagnostic potential of recombinant Dobrava virus nucleocapsid protein. <i>Journal of Medical Virology</i> , 2000 , 61, 266-274	19.7	25
235	Development of a high-throughput colorimetric Zika virus infection assay. <i>Medical Microbiology and Immunology</i> , 2017 , 206, 175-185	4	24
234	Identification of essential outstanding questions for an adequate European laboratory response to Ebola virus Zaire West Africa 2014. <i>Journal of Clinical Virology</i> , 2015 , 62, 124-34	14.5	24
233	The molecular tweezer CLR01 inhibits Ebola and Zika virus infection. <i>Antiviral Research</i> , 2018 , 152, 26-35	10.8	24
232	Pathophysiology of a severe case of Puumala hantavirus infection successfully treated with bradykinin receptor antagonist icatibant. <i>Antiviral Research</i> , 2014 , 111, 23-5	10.8	24
231	Molecular epidemiology of Aleutian mink disease virus (AMDV) in Estonia, and a global phylogeny of AMDV. <i>Virus Research</i> , 2015 , 199, 56-61	6.4	24
230	Isolation and full genomic characterization of Batai virus from mosquitoes, Italy 2009. <i>Journal of General Virology</i> , 2013 , 94, 1242-1248	4.9	24

229	First report on tick-borne pathogens and exoskeletal anomalies in <i>Ixodes persulcatus</i> schulze (Acari: Ixodidae) collected in Kokkola coastal region, Finland. <i>International Journal of Acarology</i> , 2007 , 33, 253-258	0.6	24
228	Puumala virus RNA in cerebrospinal fluid in a patient with uncomplicated nephropathia epidemica. <i>Journal of Clinical Virology</i> , 2007 , 40, 248-51	14.5	24
227	Experimental Infection of voles with <i>Francisella tularensis</i> indicates their amplification role in tularemia outbreaks. <i>PLoS ONE</i> , 2014 , 9, e108864	3.7	24
226	Detection of <i>Francisella tularensis</i> in voles in Finland. <i>Vector-Borne and Zoonotic Diseases</i> , 2014 , 14, 193-8.4	8.4	23
225	Cross-protection elicited by primary and booster vaccinations against Japanese encephalitis: a two-year follow-up study. <i>Vaccine</i> , 2013 , 32, 119-23	4.1	23
224	Complete coding sequence and molecular epidemiological analysis of Sindbis virus isolates from mosquitoes and humans, Finland. <i>Journal of General Virology</i> , 2012 , 93, 1984-1990	4.9	23
223	Detection of human orthopoxvirus infections and differentiation of smallpox virus with real-time PCR. <i>Journal of Medical Virology</i> , 2009 , 81, 146-52	19.7	23
222	Diagnostics of Pogosta disease: antigenic properties and evaluation of Sindbis virus IgM and IgG enzyme immunoassays. <i>Vector-Borne and Zoonotic Diseases</i> , 2008 , 8, 303-11	2.4	23
221	Epidemiological analysis of mosquito-borne Pogosta disease in Finland, 2009. <i>Eurosurveillance</i> , 2010 , 15,	19.8	23
220	Rodents and risk in the Mekong Delta of Vietnam: seroprevalence of selected zoonotic viruses in rodents and humans. <i>Vector-Borne and Zoonotic Diseases</i> , 2015 , 15, 65-72	2.4	22
219	Temporal dynamics of Puumala hantavirus infection in cyclic populations of bank voles. <i>Scientific Reports</i> , 2016 , 6, 21323	4.9	22
218	Prolonged myalgia in Sindbis virus infection: case description and in vitro infection of myotubes and myoblasts. <i>Journal of Infectious Diseases</i> , 2012 , 206, 407-14	7	22
217	Gadolinium enhancement of cauda equina: a new MR imaging finding in the radiculitic form of tick-borne encephalitis. <i>American Journal of Neuroradiology</i> , 2006 , 27, 995-7	4.4	22
216	Incidence and seroprevalence of tularaemia in Finland, 1995 to 2013: regional epidemics with cyclic pattern. <i>Eurosurveillance</i> , 2015 , 20, 21209	19.8	22
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