

Natalie Rudenko

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

2,150
citations

279798

23
h-index

254184

43
g-index

46
all docs

46
docs citations

46
times ranked

1953
citing authors

#	ARTICLE	IF	CITATIONS
1	Tick-Pathogen Interactions and Vector Competence: Identification of Molecular Drivers for Tick-Borne Diseases. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 114.	3.9	321
2	Updates on <i>Borrelia burgdorferi</i> sensu lato complex with respect to public health. <i>Ticks and Tick-borne Diseases</i> , 2011, 2, 123-128.	2.7	258
3	<i>Borrelia carolinensis</i> sp. nov., a New (14th) Member of the <i>Borrelia burgdorferi</i> Sensu Lato Complex from the Southeastern Region of the United States. <i>Journal of Clinical Microbiology</i> , 2009, 47, 134-141.	3.9	111
4	Differential Expression of <i>Ixodes ricinus</i> Tick Genes Induced by Blood Feeding or <i>Borrelia burgdorferi</i> Infection. <i>Journal of Medical Entomology</i> , 2005, 42, 36-41.	1.8	107
5	Delineation of a New Species of the <i>Borrelia burgdorferi</i> Sensu Lato Complex, <i>Borrelia americana</i> sp. nov. <i>Journal of Clinical Microbiology</i> , 2009, 47, 3875-3880.	3.9	103
6	Multilocus sequence analysis of <i>Borrelia bisettii</i> strains from North America reveals a new <i>Borrelia</i> species, <i>Borrelia kurtenbachii</i> . <i>Ticks and Tick-borne Diseases</i> , 2010, 1, 151-158.	2.7	103
7	Extension of <i>Ixodes ricinus</i> ticks and agents of tick-borne diseases to mountain areas in the Czech Republic. <i>International Journal of Medical Microbiology</i> , 2006, 296, 48-53.	3.6	88
8	Differential Expression of <i>Ixodes ricinus</i> Tick Genes Induced by Blood Feeding or <i>Borrelia burgdorferi</i> Infection. <i>Journal of Medical Entomology</i> , 2005, 42, 36-41.	1.8	74
9	Detection of <i>Borrelia bisettii</i> in Cardiac Valve Tissue of a Patient with Endocarditis and Aortic Valve Stenosis in the Czech Republic. <i>Journal of Clinical Microbiology</i> , 2008, 46, 3540-3543.	3.9	74
10	Integration of a Tick-Borne Encephalitis Virus and <i>Borrelia burgdorferi</i> sensu lato into Mountain Ecosystems, Following a Shift in the Altitudinal Limit of Distribution of Their Vector, <i>Ixodes ricinus</i> (KrkonoÅje Mountains, Czech Republic). <i>Vector-Borne and Zoonotic Diseases</i> , 2010, 10, 223-230.	1.5	70
11	Molecular detection of <i>Borrelia bisettii</i> DNA in serum samples from patients in the Czech Republic with suspected borreliosis. <i>FEMS Microbiology Letters</i> , 2009, 292, 274-281.	1.8	68
12	Mutations in the NS2B and NS3 genes affect mouse neuroinvasiveness of a Western European field strain of tick-borne encephalitis virus. <i>Virology</i> , 2008, 374, 249-255.	2.4	62
13	<i>Borrelia carolinensis</i> sp. nov., a novel species of the <i>Borrelia burgdorferi</i> sensu lato complex isolated from rodents and a tick from the south-eastern USA. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2011, 61, 381-383.	1.7	59
14	Neutrophil Extracellular Traps Entrap and Kill <i>Borrelia burgdorferi</i> Sensu Stricto Spirochetes and Are Not Affected by <i>Ixodes ricinus</i> Tick Saliva. <i>Journal of Immunology</i> , 2012, 189, 5393-5401.	0.8	53
15	A divergent spirochete strain isolated from a resident of the southeastern United States was identified by multilocus sequence typing as <i>Borrelia bisettii</i> . <i>Parasites and Vectors</i> , 2016, 9, 68.	2.5	46
16	Metamorphoses of Lyme disease spirochetes: phenomenon of <i>Borrelia</i> persists. <i>Parasites and Vectors</i> , 2019, 12, 237.	2.5	44
17	Detection of <i>Borrelia burgdorferi</i> Sensu Stricto <i>ospC</i> Alleles Associated with Human Lyme Borreliosis Worldwide in Non-Human-Biting Tick <i>Ixodes affinis</i> and Rodent Hosts in Southeastern United States. <i>Applied and Environmental Microbiology</i> , 2013, 79, 1444-1453.	3.1	39
18	Management Options for <i>Ixodes ricinus</i> -Associated Pathogens: A Review of Prevention Strategies. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 1830.	2.6	37

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19	New defensins from hard and soft ticks: Similarities, differences, and phylogenetic analyses. <i>Veterinary Parasitology</i> , 2010, 167, 298-303.	1.8	31
20	Identification and Characterization of <i>Anaplasma phagocytophilum</i> Proteins Involved in Infection of the Tick Vector, <i>Ixodes scapularis</i> . <i>PLoS ONE</i> , 2015, 10, e0137237.	2.5	31
21	Diagnosing Borreliosis. <i>Vector-Borne and Zoonotic Diseases</i> , 2017, 17, 2-11.	1.5	29
22	Lyme borreliosis: insights into tick- / host-borrelia relations. <i>Folia Parasitologica</i> , 2005, 52, 279-294.	1.3	28
23	Functional characterization of two defensin isoforms of the hard tick <i>Ixodes ricinus</i> . <i>Parasites and Vectors</i> , 2011, 4, 63.	2.5	25
24	Hedgehogs, Squirrels, and Blackbirds as Sentinel Hosts for Active Surveillance of <i>Borrelia miyamotoi</i> and <i>Borrelia burgdorferi</i> Complex in Urban and Rural Environments. <i>Microorganisms</i> , 2020, 8, 1908.	3.6	24
25	Identification and partial characterisation of new members of the <i>Ixodes ricinus</i> defensin family. <i>Gene</i> , 2014, 540, 146-152.	2.2	23
26	Divergence of <i>Borrelia burgdorferi</i> sensu lato spirochetes could be driven by the host: diversity of <i>Borrelia</i> strains isolated from ticks feeding on a single bird. <i>Parasites and Vectors</i> , 2014, 7, 4.	2.5	22
27	Molecular survey on tick-borne pathogens and <i>Leishmania infantum</i> in red foxes (<i>Vulpes vulpes</i>) from southern Italy. <i>Ticks and Tick-borne Diseases</i> , 2021, 12, 101669.	2.7	22
28	A bite so sweet: the glycobiology interface of tick-host-pathogen interactions. <i>Parasites and Vectors</i> , 2018, 11, 594.	2.5	20
29	Seroprevalence of <i>Borrelia burgdorferi</i> sensu lato and tick-borne encephalitis virus in zoo animal species in the Czech Republic. <i>Ticks and Tick-borne Diseases</i> , 2014, 5, 523-527.	2.7	19
30	Flagellin and Outer Surface Proteins from <i>Borrelia burgdorferi</i> Are Not Glycosylated. <i>Journal of Bacteriology</i> , 2008, 190, 2619-2623.	2.2	16
31	IrML- a gene encoding a new member of the ML protein family from the hard tick, <i>Ixodes ricinus</i> . <i>Journal of Vector Ecology</i> , 2010, 35, 410-418.	1.0	16
32	The Rare <i>ospC</i> Allele L of <i>Borrelia burgdorferi</i> Sensu Stricto, Commonly Found among Samples Collected in a Coastal Plain Area of the Southeastern United States, Is Associated with <i>Ixodes affinis</i> Ticks and Local Rodent Hosts <i>Peromyscus gossypinus</i> and <i>Sigmodon hispidus</i> . <i>Applied and Environmental Microbiology</i> , 2013, 79, 1403-1406.	3.1	16
33	<i>Babesia microti</i> (Piroplasmida: Babesiidae) in nymphal <i>Ixodes ricinus</i> (Acari: Ixodidae) in the Czech Republic. <i>Folia Parasitologica</i> , 2005, 52, 274-276.	1.3	16
34	Pleomorphism and Viability of the Lyme Disease Pathogen <i>Borrelia burgdorferi</i> Exposed to Physiological Stress Conditions: A Correlative Cryo-Fluorescence and Cryo-Scanning Electron Microscopy Study. <i>Frontiers in Microbiology</i> , 2017, 8, 596.	3.5	15
35	Ticks, fleas and rodent-hosts analyzed for the presence of <i>Borrelia miyamotoi</i> in Slovakia: the first record of <i>Borrelia miyamotoi</i> in a <i>Haemaphysalis inermis</i> tick. <i>Ticks and Tick-borne Diseases</i> , 2020, 11, 101456.	2.7	14
36	Invasive potential of <i>Borrelia burgdorferi</i> sensu stricto <i>ospC</i> type L strains increases the possible disease risk to humans in the regions of their distribution. <i>Parasites and Vectors</i> , 2014, 7, 538.	2.5	11

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37	Sensitivity of Lyme Borreliosis Spirochetes to Serum Complement of Regular Zoo Animals: Potential Reservoir Competence of Some Exotic Vertebrates. <i>Vector-Borne and Zoonotic Diseases</i> , 2016, 16, 13-19.	1.5	11
38	Detection of <i>Borrelia burgdorferi</i> sensu stricto in <i>Amblyomma americanum</i> ticks in the southeastern United States: the case of selective compatibility. <i>Emerging Microbes and Infections</i> , 2016, 5, 1-3.	6.5	9
39	Role of Zoo-Housed Animals in the Ecology of Ticks and Tick-Borne Pathogens—A Review. <i>Pathogens</i> , 2021, 10, 210.	2.8	9
40	A human secretome library screen reveals a role for Peptidoglycan Recognition Protein 1 in Lyme borreliosis. <i>PLoS Pathogens</i> , 2020, 16, e1009030.	4.7	9
41	Sexual Transmission of Lyme Borreliosis? The Question That Calls for an Answer. <i>Tropical Medicine and Infectious Disease</i> , 2021, 6, 87.	2.3	8
42	Seroprevalence of Antibodies against Tick-Borne Pathogens in Czech Patients with Suspected Post-Treatment Lyme Disease Syndrome. <i>Microorganisms</i> , 2021, 9, 2217.	3.6	6
43	Detection of Anaplasma DNA in Ixodes ricinus ticks: pitfalls. <i>Folia Parasitologica</i> , 2007, 54, 310-312.	1.3	3
44	<i>Borrelia</i> . , 2011, , 1155-1168.		0