Natalie Rudenko

List of Publications by Year
in descending order

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	Role of Zoo-Housed Animals in the Ecology of Ticks and Tick-Borne Pathogensâ€”A Review. Pathogens, 2021, 10, 210.	2.8	9
2	Sexual Transmission of Lyme Borreliosis? The Question That Calls for an Answer. Tropical Medicine and Infectious Disease, 2021, 6, 87.	2.3	8
3	Molecular survey on tick-borne pathogens and Leishmania infantum in red foxes (Vulpes vulpes) from southern Italy. Ticks and Tick-borne Diseases, 2021, 12, 101669.	2.7	22
4	Seroprevalence of Antibodies against Tick-Borne Pathogens in Czech Patients with Suspected Post-Treatment Lyme Disease Syndrome. Microorganisms, 2021, 9, 2217.	3.6	6
5	Hedgehogs, Squirrels, and Blackbirds as Sentinel Hosts for Active Surveillance of Borrelia miyamotoi and Borrelia burgdorferi Complex in Urban and Rural Environments. Microorganisms, 2020, 8, 1908.	3.6	24
6	Management Options for Ixodes ricinus-Associated Pathogens: A Review of Prevention Strategies. International Journal of Environmental Research and Public Health, 2020, 17, 1830.	2.6	37
7	Ticks, fleas and rodent-hosts analyzed for the presence of Borrelia miyamotoi in Slovakia: the first record of Borrelia miyamotoi in a Haemaphysalis inermis tick. Ticks and Tick-borne Diseases, 2020, 11, 101456.	2.7	14
8	A human secretome library screen reveals a role for Peptidoglycan Recognition Protein 1 in Lyme borreliosis. PLoS Pathogens, 2020, 16, e1009030.	4.7	9
9	Metamorphoses of Lyme disease spirochetes: phenomenon of Borrelia persisters. Parasites and Vectors, 2019, 12, 237.	2.5	44
10	A bite so sweet: the glycobiology interface of tick-host-pathogen interactions. Parasites and Vectors, 2018, 11, 594.	2.5	20
11	Diagnosing Borreliosis. Vector-Borne and Zoonotic Diseases, 2017, 17, 2-11.	1.5	29
12	Tick-Pathogen Interactions and Vector Competence: Identification of Molecular Drivers for Tick-Borne Diseases. Frontiers in Cellular and Infection Microbiology, 2017, 7, 114.	3.9	321
13	Pleomorphism and Viability of the Lyme Disease Pathogen Borrelia burgdorferi Exposed to Physiological Stress Conditions: A Correlative Cryo-Fluorescence and Cryo-Scanning Electron Microscopy Study. Frontiers in Microbiology, 2017, 8, 596.	3.5	15
14	A divergent spirochete strain isolated from a resident of the southeastern United States was identified by multilocus sequence typing as Borrelia bissettii.. Parasites and Vectors, 2016, 9, 68.	2.5	46
15	Detection of <i>Borrelia burgdorferi</i> sensu stricto in <i>Amblyomma americanum</i> ticks in the southeastern United States: the case of selective compatibility. Emerging Microbes and Infections, 2016, 5, 1-3.	6.5	9
16	Sensitivity of Lyme Borreliosis Spirochetes to Serum Complement of Regular Zoo Animals: Potential Reservoir Competence of Some Exotic Vertebrates. Vector-Borne and Zoonotic Diseases, 2016, 16, 13-19.	1.5	11
17	Identification and Characterization of Anaplasma phagocytophilum Proteins Involved in Infection of the Tick Vector, Ixodes scapularis. PLoS ONE, 2015, 10, e0137237.	2.5	31
18	Invasive potential of Borrelia burgdorferi sensu stricto ospC type L strains increases the possible disease risk to humans in the regions of their distribution. Parasites and Vectors, 2014, 7, 538.	2.5	11

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19	Divergence of Borrelia burgdorferi sensu lato spirochetes could be driven by the host: diversity of Borrelia strains isolated from ticks feeding on a single bird. Parasites and Vectors, 2014, 7, 4.	2.5	22
20	Seroprevalence of Borrelia burgdorferi sensu lato and tick-borne encephalitis virus in zoo animal species in the Czech Republic. Ticks and Tick-borne Diseases, 2014, 5, 523-527.	2.7	19
21	Identification and partial characterisation of new members of the Ixodes ricinus defensin family. Gene, 2014, 540, 146-152.	2.2	23
22	The Rare <i>ospC</i> Allele L of Borrelia burgdorferi Sensu Stricto, Commonly Found among Samples Collected in a Coastal Plain Area of the Southeastern United States, Is Associated with Ixodes affinis Ticks and Local Rodent Hosts Peromyscus gossypinus and Sigmodon hispidus. Applied and Environmental Microbiology, 2013, 79, 1403-1406.	3.1	16
23	Detection of Borrelia burgdorferi Sensu Stricto <i>ospC</i> Alleles Associated with Human Lyme Borreliosis Worldwide in Non-Human-Biting Tick Ixodes affinis and Rodent Hosts in Southeastern United States. Applied and Environmental Microbiology, 2013, 79, 1444-1453.	3.1	39
24	Neutrophil Extracellular Traps Entrap and Kill Borrelia burgdorferi Sensu Stricto Spirochetes and Are Not Affected by Ixodes ricinus Tick Saliva. Journal of Immunology, 2012, 189, 5393-5401.	0.8	53
25	Updates on Borrelia burgdorferi sensu lato complex with respect to public health. Ticks and Tick-borne Diseases, 2011, 2, 123-128.	2.7	258
26	Functional characterization of two defensin isoforms of the hard tick Ixodes ricinus. Parasites and Vectors, 2011, 4, 63.	2.5	25
27	Borrelia carolinensis sp. nov., a novel species of the Borrelia burgdorferi sensu lato complex isolated from rodents and a tick from the south-eastern USA. International Journal of Systematic and Evolutionary Microbiology, 2011, 61, 381-383.	1.7	59
28	Borrelia. , 2011, , 1155-1168.		0
29	IrML- a gene encoding a new member of the ML protein family from the hard tick, Ixodes ricinus. Journal of Vector Ecology, 2010, 35, 410-418.	1.0	16
30	New defensins from hard and soft ticks: Similarities, differences, and phylogenetic analyses. Veterinary Parasitology, 2010, 167, 298-303.	1.8	31
31	Multilocus sequence analysis of Borrelia bissettii strains from North America reveals a new Borrelia species, Borrelia kurtenbachii. Ticks and Tick-borne Diseases, 2010, 1, 151-158.	2.7	103
32	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>(KrkonoÅ¡e Mountains, Czech Republic). Vector-Borne and Zoonotic Diseases, 2010, 10, 223-230.	1.5	70
33	<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. Journal of Clinical Microbiology, 2009, 47, 134-141.	3.9	111
34	Delineation of a New Species of the <i>Borrelia burgdorferi</i> Sensu Lato Complex, <i>Borrelia americana</i> sp. nov. Journal of Clinical Microbiology, 2009, 47, 3875-3880.	3.9	103
35	Molecular detection of<i>Borrelia bissettii</i>DNA in serum samples from patients in the Czech Republic with suspected borreliosis. FEMS Microbiology Letters, 2009, 292, 274-281.	1.8	68
36	Detection of <i>Borrelia bissettii</i> in Cardiac Valve Tissue of a Patient with Endocarditis and Aortic Valve Stenosis in the Czech Republic. Journal of Clinical Microbiology, 2008, 46, 3540-3543.	3.9	74

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37	Mutations in the NS2B and NS3 genes affect mouse neuroinvasiveness of a Western European field strain of tick-borne encephalitis virus. Virology, 2008, 374, 249-255.	2.4	62
38	Flagellin and Outer Surface Proteins from <i>Borrelia burgdorferi</i> Are Not Glycosylated. Journal of Bacteriology, 2008, 190, 2619-2623.	2.2	16
39	Detection of Anaplasma DNA in Ixodes ricinus ticks: pitfalls. Folia Parasitologica, 2007, 54, 310-312.	1.3	3
40	Extension of Ixodes ricinus ticks and agents of tick-borne diseases to mountain areas in the Czech Republic. International Journal of Medical Microbiology, 2006, 296, 48-53.	3.6	88
41	Differential Expression of<i>Ixodes ricinus</i>Tick Genes Induced by Blood Feeding or<i>Borrelia burgdorferi</i>Infection. Journal of Medical Entomology, 2005, 42, 36-41.	1.8	107
42	Differential Expression of <I>Ixodes ricinus</I> Tick Genes Induced by Blood Feeding or <I>Borrelia burgdorferi</I> Infection. Journal of Medical Entomology, 2005, 42, 36-41.	1.8	74
43	Babesia microti (Piroplasmida: Babesiidae) in nymphal Ixodes ricinus (Acari: Ixodidae) in the Czech Republic. Folia Parasitologica, 2005, 52, 274-276.	1.3	16
44	Lyme borreliosis: insights into tick- / host-borrelia relations. Folia Parasitologica, 2005, 52, 279-294.	1.3	28