Karsten Hueffer

List of Publications by Year
in descending order

48 papers	2,275 citations	257101 24 h-index	223531 46 g-index

52 all docs	52 docs citations	52 times ranked	2837 citing authors

#	Article	IF	Citations
1	Salmonella Modulates Vesicular Traffic by Altering Phosphoinositide Metabolism. Science, 2004, 304, 1805-1807.	6.0	279
2	The Natural Host Range Shift and Subsequent Evolution of Canine Parvovirus Resulted from Virus-Specific Binding to the Canine Transferrin Receptor. Journal of Virology, 2003, 77, 1718-1726.	1.5	208
3	Chondrocyte necrosis and apoptosis in impact damaged articular cartilage. Journal of Orthopaedic Research, 2001, 19, 703-711.	1.2	190
4	Parvovirus host range, cell tropism and evolution. Current Opinion in Microbiology, 2003, 6, 392-398.	2.3	169
5	Diversification of a Salmonella Virulence Protein Function by Ubiquitin-Dependent Differential Localization. Cell, 2009, 137, 283-294.	13.5	142
6	The biochemical properties of the Francisella pathogenicity island (FPI)-encoded proteins IglA, IglB, IglC, PdpB and DotU suggest roles in type VI secretion. Microbiology (United Kingdom), 2011, 157, 3483-3491.	0.7	93
7	Combinations of Two Capsid Regions Controlling Canine Host Range Determine Canine Transferrin Receptor Binding by Canine and Feline Parvoviruses. Journal of Virology, 2003, 77, 10099-10105.	1.5	92
8	Climate change and infectious diseases in the Arctic: establishment of a circumpolar working group. International Journal of Circumpolar Health, 2014, 73, 25163.	0.5	86
9	Salmonella-induced macrophage death: multiple mechanisms, different outcomes. Cellular Microbiology, 2004, 6, 1019-1025.	1.1	78
10	Structures of Host Range-Controlling Regions of the Capsids of Canine and Feline Parvoviruses and Mutants. Journal of Virology, 2003, 77, 12211-12221.	1.5	76
11	A Review of Infectious Agents in Polar Bears (Ursus maritimus) and Their Long-Term Ecological Relevance. EcoHealth, 2015, 12, 528-539.	0.9	73
12	Residues in the Apical Domain of the Feline and Canine Transferrin Receptors Control Host-Specific Binding and Cell Infection of Canine and Feline Parvoviruses. Journal of Virology, 2003, 77, 8915-8923.	1.5	68
13	Zoonotic infections in Alaska: disease prevalence, potential impact of climate change and recommended actions for earlier disease detection, research, prevention and control. International Journal of Circumpolar Health, 2013, 72, 19562.	0.5	62
14	Adaptation of mammalian host-pathogen interactions in a changing arctic environment. Acta Veterinaria Scandinavica, 2011, 53, 17.	0.5	54
15	Factors Contributing to Anthrax Outbreaks in the Circumpolar North. EcoHealth, 2020, 17, 174-180.	0.9	46
16	Rabies virus modifies host behaviour through a snake-toxin like region of its glycoprotein that inhibits neurotransmitter receptors in the CNS. Scientific Reports, 2017, 7, 12818.	1.6	38
17	Microbial Infections Are Associated with Embryo Mortality in Arctic-Nesting Geese. Applied and Environmental Microbiology, 2015, 81, 5583-5592.	1.4	36
18	Toxicokinetics of mercury in blood compartments and hair of fish-fed sled dogs. Acta Veterinaria Scandinavica, 2011, 53, 66.	0.5	34

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19	Spatio-temporal Analysis of the Genetic Diversity of Arctic Rabies Viruses and Their Reservoir Hosts in Greenland. PLoS Neglected Tropical Diseases, 2016, 10, e0004779.	1.3	34
20	Francisella Genes Required for Replication in Mosquito Cells. Journal of Medical Entomology, 2008, 45, 1108-1116.	0.9	31
21	Parvovirus Infection of Cells by Using Variants of the Feline Transferrin Receptor Altering Clathrin-Mediated Endocytosis, Membrane Domain Localization, and Capsid-Binding Domains. Journal of Virology, 2004, 78, 5601-5611.	1.5	30
22	<I>Francisella</I> Genes Required for Replication in Mosquito Cells. Journal of Medical Entomology, 2008, 45, 1108-1116.	0.9	30
23	Detection of Francisella tularensis in Alaskan Mosquitoes (Diptera: Culicidae) and Assessment of a Laboratory Model for Transmission. Journal of Medical Entomology, 2010, 47, 639-648.	0.9	30
24	One health in the circumpolar North. International Journal of Circumpolar Health, 2019, 78, 1607502.	0.5	27
25	Ecological niche modeling of rabies in the changing Arctic of Alaska. Acta Veterinaria Scandinavica, 2017, 59, 18.	0.5	23
26	Implications of Zoonoses From Hunting and Use of Wildlife in North American Arctic and Boreal Biomes: Pandemic Potential, Monitoring, and Mitigation. Frontiers in Public Health, 2021, 9, 627654.	1.3	23
27	Population structure of two rabies hosts relative to the known distribution of rabies virus variants in Alaska. Molecular Ecology, 2016, 25, 675-688.	2.0	22
28	Tularemia in Alaska, 1938 - 2010. Acta Veterinaria Scandinavica, 2011, 53, 61.	0.5	21
29	Detection of <I>Francisella tularensis</I> in Alaskan Mosquitoes (Diptera: Culicidae) and Assessment of a Laboratory Model for Transmission. Journal of Medical Entomology, 2010, 47, 639-648.	0.9	19
30	Francisella novicida Pathogenicity Island Encoded Proteins Were Secreted during Infection of Macrophage-Like Cells. PLoS ONE, 2014, 9, e105773.	1.1	16
31	Serologic Surveillance of Pathogens in a Declining Harbor Seal (Phoca vitulina) Population in Glacier Bay National Park, Alaska, USA and a Reference Site. Journal of Wildlife Diseases, 2011, 47, 984-988.	0.3	15
32	Rabies in Alaska, from the past to an uncertain future. International Journal of Circumpolar Health, 2018, 77, 1475185.	0.5	15
33	Streptococcus phocae Isolated from a Spotted Seal (Phoca largha) with Pyometra in Alaska. Journal of Zoo and Wildlife Medicine, 2011, 42, 108-112.	0.3	14
34	Preliminary Evaluation of Raboral V-RG® Oral Rabies Vaccine in Arctic Foxes (Vulpes lagopus). Journal of Wildlife Diseases, 2011, 47, 1032-1035.	0.3	13
35	Conditioning Increases the Gain of Contraction-Induced Sarcolemmal Substrate Transport in Ultra-Endurance Racing Sled Dogs. PLoS ONE, 2014, 9, e103087.	1.1	13
36	Investigation of a Canine Parvovirus Outbreak using Next Generation Sequencing. Scientific Reports, 2017, 7, 9633.	1.6	12

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37	Assay dependence of Brucella antibody prevalence in a declining Alaskan harbor seal (Phoca vitulina) population. Acta Veterinaria Scandinavica, 2013, 55, 2.	0.5	11
38	BUILDing BLaST: promoting rural studentsâ€™ biomedical research careers using a culturally responsive, one health approach. BMC Proceedings, 2017, 11, 13.	1.8	8
39	USE OF CELLULOSE FILTER PAPER TO QUANTIFY WHOLE-BLOOD MERCURY IN TWO MARINE MAMMALS: VALIDATION STUDY. Journal of Wildlife Diseases, 2014, 50, 271-278.	0.3	7
40	Neisseria arctica sp. nov., isolated from nonviable eggs of greater white-fronted geese (Anser) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 67, 1115-1119.	0.8	7
41	Development of a genotypeâ€byâ€sequencing immunogenetic assay as exemplified by screening for variation in red fox with and without endemic rabies exposure. Ecology and Evolution, 2018, 8, 572-583.	0.8	6
42	The Research, Advising, and Mentoring Professional: a Unique Approach to Supporting Underrepresented Students in Biomedical Research. Innovative Higher Education, 2019, 44, 119-131.	1.5	6
43	Baseline Characteristics of the 2015-2019 First Year Student Cohorts of the NIH Building Infrastructure Leading to Diversity (BUILD) Program. Ethnicity and Disease, 2020, 30, 681-692.	1.0	6
44	The ecological niche of reported rabies cases in Canada is similar to Alaska. Zoonoses and Public Health, 2021, 68, 677-683.	0.9	5
45	Draft Genome Sequence of a Taxonomically Unique Neisseria Strain Isolated from a Greater White-Fronted Goose (Anser albifrons) Egg on the North Slope of Alaska. Genome Announcements, 2015, 3, .	0.8	1
46	Rabies in the Arctic. , 2022, , 211-226.		1
47	The role of a mechanistic host in maintaining arctic rabies variant distributions: Assessment of functional genetic diversity in Alaskan red fox (Vulpes vulpes). PLoS ONE, 2021, 16, e0249176.	1.1	0
48	Genetic structure of immunologically associated candidate genes suggests arctic rabies variants exert differential selection in arctic fox populations. PLoS ONE, 2021, 16, e0258975.	1.1	0