Maria A Diuk-Wasser

List of Publications by Year
in descending order

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79 papers	4,512 citations	125106 35 h-index	124990 64 g-index
88 all docs	88 docs citations	88 times ranked	4339 citing authors

#	Article	IF	Citations
1	Cellular and immunological mechanisms influence host-adapted phenotypes in a vector-borne microparasite. Proceedings of the Royal Society B: Biological Sciences, 2022, 289, 20212087.	1.2	9
2	Socioâ€ecological drivers of multiple zoonotic hazards in highly urbanized cities. Global Change Biology, 2022, 28, 1705-1724.	4.2	23
3	Outdoor Activity Associated with Higher Self-Reported Emotional Well-Being During COVID-19. EcoHealth, 2022, 19, 154-158.	0.9	6
4	Impact of Land Use Changes and Habitat Fragmentation on the Eco-epidemiology of Tick-Borne Diseases. Journal of Medical Entomology, 2021, 58, 1546-1564.	0.9	82
5	Vertical Transmission: A Vector-Independent Transmission Pathway of Babesia microti in the Natural Reservoir Host Peromyscus leucopus. Journal of Infectious Diseases, 2021, 223, 1787-1795.	1.9	10
6	Association of the invasive Haemaphysalis longicornis tick with vertebrate hosts, other native tick vectors, and tick-borne pathogens in New York City, USA. International Journal for Parasitology, 2021, 51, 149-157.	1.3	41
7	Comment on Eisen and Eisen (2020) â€˜Benefits and Drawbacks of Citizen Science to Complement Traditional Data Gathering Approaches for Medically Important Hard Ticks (Acari: Ixodidae) in the United Statesâ€™ Regarding the Tick App and Research-Based Citizen Science. Journal of Medical Entomology, 2021, 58, 991-993.	0.9	4
8	Host Specialisation, Immune Cross-Reaction and the Composition of Communities of Co-circulating Borrelia Strains. Bulletin of Mathematical Biology, 2021, 83, 66.	0.9	6
9	Effect of Vegetation on the Abundance of Tick Vectors in the Northeastern United States: A Review of the Literature. Journal of Medical Entomology, 2021, 58, 2030-2037.	0.9	21
10	Host tropism determination by convergent evolution of immunological evasion in the Lyme disease system. PLoS Pathogens, 2021, 17, e1009801.	2.1	16
11	First hemispheric report of invasive tick species Haemaphysalis punctata, first state report of Haemaphysalis longicornis, and range expansion of native tick species in Rhode Island, USA. Parasites and Vectors, 2021, 14, 394.	1.0	13
12	Ixodes scapularis (Acari: Ixodidae) Nymphal Survival and Host-Finding Success in the Eastern United States. Journal of Medical Entomology, 2021, 58, 929-938.	0.9	5
13	Use of molecular scatology to assess the diet of feral cats living in urban colonies. Journal of Urban Ecology, 2021, 7, .	0.6	5
14	Protective Immunity and New Vaccines for Lyme Disease. Clinical Infectious Diseases, 2020, 70, 1768-1773.	2.9	50
15	Incorporating tick feeding behaviour into R0 for tick-borne pathogens. Theoretical Population Biology, 2020, 131, 25-37.	0.5	4
16	A soft tick Ornithodoros moubata salivary protein OmCI is a potent inhibitor to prevent avian complement activation. Ticks and Tick-borne Diseases, 2020, 11, 101354.	1.1	11
17	A metagenomic examination of the pathobiome of the invasive tick species, Haemaphysalis longicornis, collected from a New York City borough, USA. Ticks and Tick-borne Diseases, 2020, 11, 101516.	1.1	23
18	Context matters: Contrasting behavioral and residential risk factors for Lyme disease between high-incidence states in the Northeastern and Midwestern United States. Ticks and Tick-borne Diseases, 2020, 11, 101515.	1.1	21

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19	Lactobacilli and other gastrointestinal microbiota of Peromyscus leucopus, reservoir host for agents of Lyme disease and other zoonoses in North America. PLoS ONE, 2020, 15, e0231801.	1.1	10
20	Current and Future Spatiotemporal Patterns of Lyme Disease Reporting in the Northeastern United States. JAMA Network Open, 2020, 3, e200319.	2.8	32
21	On the cause and consequences of IgE to galactose-Î±-1,3-galactose: AÂreport from the National Institute of Allergy and Infectious Diseases Workshop on Understanding IgE-Mediated Mammalian Meat Allergy. Journal of Allergy and Clinical Immunology, 2020, 145, 1061-1071.	1.5	84
22	Complement Evasion Contributes to Lyme Borreliaeâ€“Host Associations. Trends in Parasitology, 2020, 36, 634-645.	1.5	46
23	Environmental Determinants of Aedes albopictus Abundance at a Northern Limit of Its Range in the United States. American Journal of Tropical Medicine and Hygiene, 2020, 102, 436-447.	0.6	21
24	Outer surface protein polymorphisms linked to hostâ€spirochete association in Lyme borreliae. Molecular Microbiology, 2019, 111, 868-882.	1.2	36
25	Enhancement of Risk for Lyme Disease by Landscape Connectivity, New York, New York, USA. Emerging Infectious Diseases, 2019, 25, 1136-1143.	2.0	44
26	Distribution, Host-Seeking Phenology, and Host and Habitat Associations of Haemaphysalis longicornis Ticks, Staten Island, New York, USA. Emerging Infectious Diseases, 2019, 25, 792-796.	2.0	73
27	High burdens of Ixodes scapularis larval ticks on white-tailed deer may limit Lyme disease risk in a low biodiversity setting. Ticks and Tick-borne Diseases, 2019, 10, 258-268.	1.1	36
28	Climate impacts on blacklegged tick host-seeking behavior. International Journal for Parasitology, 2019, 49, 37-47.	1.3	14
29	Usability and Feasibility of a Smartphone App to Assess Human Behavioral Factors Associated with Tick Exposure (The Tick App): Quantitative and Qualitative Study. JMIR MHealth and UHealth, 2019, 7, e14769.	1.8	29
30	Transplacental transmission of tick-borne Babesia microti in its natural host Peromyscus leucopus. Parasites and Vectors, 2018, 11, 286.	1.0	20
31	Identification of Novel Viruses in Amblyomma americanum , Dermacentor variabilis, and Ixodes scapularis Ticks. MSphere, 2018, 3, .	1.3	88
32	Reconciling the Entomological Hazard and Disease Risk in the Lyme Disease System. International Journal of Environmental Research and Public Health, 2018, 15, 1048.	1.2	18
33	Polymorphic factor H-binding activity of CspA protects Lyme borreliae from the host complement in feeding ticks to facilitate tick-to-host transmission. PLoS Pathogens, 2018, 14, e1007106.	2.1	63
34	Co-feeding transmission facilitates strain coexistence in Borrelia burgdorferi, the Lyme disease agent. Epidemics, 2017, 19, 33-42.	1.5	26
35	Lyme disease ecology in a changing world: consensus, uncertainty and critical gaps for improving control. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160117.	1.8	173
36	Null expectations for disease dynamics in shrinking habitat: dilution or amplification?. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160173.	1.8	67

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37	Genomic insights into the ancient spread of Lyme disease across North America. Nature Ecology and Evolution, 2017, 1, 1569-1576.	3.4	39
38	Closely-related Borrelia burgdorferi (sensu stricto) strains exhibit similar fitness in single infections and asymmetric competition in multiple infections. Parasites and Vectors, 2017, 10, 64.	1.0	21
39	Pathogen communities of songbird-derived ticks in Europeâ€™s low countries. Parasites and Vectors, 2017, 10, 497.	1.0	45
40	West Nile Virus Seroprevalence, Connecticut, USA, 2000â€“2014. Emerging Infectious Diseases, 2017, 23, 708-710.	2.0	5
41	Babesia microti from humans and ticks hold a genomic signature of strong population structure in the United States. BMC Genomics, 2016, 17, 888.	1.2	15
42	Invasion of two tick-borne diseases across New England: harnessing human surveillance data to capture underlying ecological invasion processes. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20160834.	1.2	26
43	Coinfection by Ixodes Tick-Borne Pathogens: Ecological, Epidemiological, and Clinical Consequences. Trends in Parasitology, 2016, 32, 30-42.	1.5	252
44	Vectors as Epidemiological Sentinels: Patterns of Within-Tick Borrelia burgdorferi Diversity. PLoS Pathogens, 2016, 12, e1005759.	2.1	28
45	Response to Esteve-Gassent et al.: flaB sequences obtained from Texas PCR products are identical to the positive control strain Borrelia burgdorferi B31. Parasites and Vectors, 2015, 8, 310.	1.0	7
46	Spatial Distribution of Dengue in a Brazilian Urban Slum Setting: Role of Socioeconomic Gradient in Disease Risk. PLoS Neglected Tropical Diseases, 2015, 9, e0003937.	1.3	98
47	Babesiosis. Infectious Disease Clinics of North America, 2015, 29, 357-370.	1.9	249
48	Whole genome capture of vector-borne pathogens from mixed DNA samples: a case study of Borrelia burgdorferi. BMC Genomics, 2015, 16, 434.	1.2	38
49	Human Social Behavior and Demography Drive Patterns of Fine-Scale Dengue Transmission in Endemic Areas of Colombia. PLoS ONE, 2015, 10, e0144451.	1.1	16
50	Integrated Assessment of Behavioral and Environmental Risk Factors for Lyme Disease Infection on Block Island, Rhode Island. PLoS ONE, 2014, 9, e84758.	1.1	76
51	Borrelia miyamotoisensu lato Seroreactivity and Seroprevalence in the Northeastern United States. Emerging Infectious Diseases, 2014, 20, 1183-1190.	2.0	109
52	Monitoring Human Babesiosis Emergence through Vector Surveillance New England, USA. Emerging Infectious Diseases, 2014, 20, 225-231.	2.0	64
53	Borrelia burgdorferi Promotes the Establishment of Babesia microti in the Northeastern United States. PLoS ONE, 2014, 9, e115494.	1.1	91
54	Quantitative PCR for Detection ofBabesia microtiinIxodes scapularisTicks and in Human Blood. Vector-Borne and Zoonotic Diseases, 2013, 13, 784-790.	0.6	40

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55	Urban slum structure: integrating socioeconomic and land cover data to model slum evolution in Salvador, Brazil. International Journal of Health Geographics, 2013, 12, 45.	1.2	27
56	Vector host-feeding preferences drive transmission of multi-host pathogens: West Nile virus as a model system. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 925-933.	1.2	137
57	Human Risk of Infection with Borrelia burgdorferi, the Lyme Disease Agent, in Eastern United States. American Journal of Tropical Medicine and Hygiene, 2012, 86, 320-327.	0.6	233
58	Geographic Variation in the Relationship between Human Lyme Disease Incidence and Density of Infected Host-Seeking Ixodes scapularis Nymphs in the Eastern United States. American Journal of Tropical Medicine and Hygiene, 2012, 86, 1062-1071.	0.6	141
59	Lyme Disease: The Ecology of a Complex System. Journal of Wildlife Diseases, 2012, 48, 534-535.	0.3	0
60	Regional Variation in Immature Ixodes scapularis Parasitism on North American Songbirds: Implications for Transmission of the Lyme Pathogen, Borrelia burgdorferi. Journal of Medical Entomology, 2011, 48, 422-428.	0.9	23
61	Do birds affect Lyme disease risk? Range expansion of the vectorâ€borne pathogen Borrelia burgdorferi. Frontiers in Ecology and the Environment, 2011, 9, 103-110.	1.9	74
62	Field and climateâ€based model for predicting the density of hostâ€seeking nymphal Ixodes scapularis, an important vector of tickâ€borne disease agents in the eastern United States. Global Ecology and Biogeography, 2010, 19, 504-514.	2.7	116
63	Genotypic Diversity ofBorrelia burgdorferiStrains Detected inIxodes scapularisLarvae Collected from North American Songbirds. Applied and Environmental Microbiology, 2010, 76, 8265-8268.	1.4	24
64	Avian Communal Roosts as Amplification Foci for West Nile Virus in Urban Areas in Northeastern United States. American Journal of Tropical Medicine and Hygiene, 2010, 82, 337-343.	0.6	37
65	Climate and Tick Seasonality Are Predictors of Borrelia burgdorferi Genotype Distribution. Applied and Environmental Microbiology, 2009, 75, 2476-2483.	1.4	148
66	Phylogeography of Borrelia burgdorferi in the eastern United States reflects multiple independent Lyme disease emergence events. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 15013-15018.	3.3	148
67	Niche Partitioning of Borrelia burgdorferi and Borrelia miyamotoi in the Same Tick Vector and Mammalian Reservoir Species. American Journal of Tropical Medicine and Hygiene, 2009, 81, 1120-1131.	0.6	271
68	Avian Host-Selection by Culex pipiens in Experimental Trials. PLoS ONE, 2009, 4, e7861.	1.1	41
69	Comparison of three satellite sensors at three spatial scales to predict larval mosquito presence in Connecticut wetlands. Remote Sensing of Environment, 2008, 112, 2301-2308.	4.6	25
70	Fitness Variation of Borrelia burgdorferi Sensu Stricto Strains in Mice. Applied and Environmental Microbiology, 2008, 74, 153-157.	1.4	83
71	Host-Feeding Patterns of Potential Mosquito Vectors in Connecticut, USA: Molecular Analysis of Bloodmeals from 23 Species of Aedes, Anopheles, Culex, Coquillettidia, Psorophora, and Uranotaenia. Journal of Medical Entomology, 2008, 45, 1143-1151.	0.9	122
72	Remotely-Sensed Vegetation Indices Identify Mosquito Clusters of West Nile Virus Vectors in an Urban Landscape in the Northeastern United States. Vector-Borne and Zoonotic Diseases, 2008, 8, 197-206.	0.6	76

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73	Ecologic Factors Associated with West Nile Virus Transmission, Northeastern United States. Emerging Infectious Diseases, 2008, 14, 1539-1545.	2.0	106
74	Effect of rice cultivation patterns on malaria vector abundance in rice-growing villages in Mali. American Journal of Tropical Medicine and Hygiene, 2007, 76, 869-74.	0.6	24
75	Epidemic Spread of Lyme Borreliosis, Northeastern United States. Emerging Infectious Diseases, 2006, 12, 604-611.	2.0	133
76	Is vector body size the key to reduced malaria transmission in the irrigated region of Niono, Mali?. Journal of Medical Entomology, 2006, 43, 820-7.	0.9	11
77	Vector abundance and malaria transmission in rice-growing villages in Mali. American Journal of Tropical Medicine and Hygiene, 2005, 72, 725-31.	0.6	31
78	Winter Diet of Dusky-Legged Guan (Penelope obscura) at the Paranï¿½ River Delta Region. Studies on Neotropical Fauna and Environment, 2001, 36, 33-38.	0.5	12
79	A Study on the Diet of Minor Grisons and a Preliminary Analysis of Their Role in the Control of Rabbits in Patagonia. Studies on Neotropical Fauna and Environment, 1998, 33, 3-6.	0.5	17