

# Heidi Brown

## List of Publications by Year in descending order

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66  
papers

1,799  
citations

257101

24  
h-index

288905

40  
g-index

68  
all docs

68  
docs citations

68  
times ranked

2656  
citing authors

#	ARTICLE	IF	CITATIONS
1	Utilizing hemodynamic delay and dispersion to detect fMRI signal change without auditory interference: The behavior interleaved gradients technique. <i>Magnetic Resonance in Medicine</i> , 1999, 41, 13-20.	1.9	148
2	Modeling the Spatial Distribution of Mosquito Vectors for West Nile Virus in Connecticut, USA. <i>Vector-Borne and Zoonotic Diseases</i> , 2006, 6, 283-295.	0.6	148
3	Mapping the basic reproduction number (R0) for vector-borne diseases: A case study on bluetongue virus. <i>Epidemics</i> , 2009, 1, 153-161.	1.5	115
4	Ecologic Factors Associated with West Nile Virus Transmission, Northeastern United States. <i>Emerging Infectious Diseases</i> , 2008, 14, 1539-1545.	2.0	106
5	L-arginine reverses the adverse pregnancy changes induced by nitric oxide synthase inhibition in the rat. <i>American Journal of Obstetrics and Gynecology</i> , 1996, 175, 800-805.	0.7	101
6	Remotely-Sensed Vegetation Indices Identify Mosquito Clusters of West Nile Virus Vectors in an Urban Landscape in the Northeastern United States. <i>Vector-Borne and Zoonotic Diseases</i> , 2008, 8, 197-206.	0.6	76
7	A new algorithm quantifies the roles of wind and midge flight activity in the bluetongue epizootic in northwest Europe. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 2354-2362.	1.2	74
8	Key factors influencing canine heartworm, <i>Dirofilaria immitis</i> , in the United States. <i>Parasites and Vectors</i> , 2012, 5, 245.	1.0	52
9	Infectious Disease Mortality Trends in the United States, 1980-2014. <i>JAMA - Journal of the American Medical Association</i> , 2016, 316, 2149.	3.8	52
10	Serologic Evidence for Fecal-Oral Transmission of <i>Helicobacter pylori</i> . <i>American Journal of Tropical Medicine and Hygiene</i> , 2016, 94, 82-88.	0.6	48
11	Factors influencing U.S. canine heartworm ( <i>Dirofilaria immitis</i> ) prevalence. <i>Parasites and Vectors</i> , 2014, 7, 264.	1.0	47
12	Invasion of bluetongue and other orbivirus infections into Europe: the role of biological and climatic processes. <i>OIE Revue Scientifique Et Technique</i> , 2008, 27, 427-42.	0.5	45
13	Summary results of the 2014-2015 DARPA Chikungunya challenge. <i>BMC Infectious Diseases</i> , 2018, 18, 245.	1.3	43
14	Effectiveness of Mosquito Traps in Measuring Species Abundance and Composition. <i>Journal of Medical Entomology</i> , 2008, 45, 517-521.	0.9	41
15	<i>Aedes aegypti</i> (Diptera: Culicidae) Abundance Model Improved With Relative Humidity and Precipitation-Driven Egg Hatching. <i>Journal of Medical Entomology</i> , 2017, 54, 1375-1384.	0.9	36
16	An Acarologic Survey and <i>Amblyomma americanum</i> Distribution Map with Implications for Tularemia Risk in Missouri. <i>American Journal of Tropical Medicine and Hygiene</i> , 2011, 84, 411-419.	0.6	34
17	Variation in Vector Competence for Dengue Viruses Does Not Depend on Mosquito Midgut Binding Affinity. <i>PLoS Neglected Tropical Diseases</i> , 2011, 5, e1172.	1.3	34
18	Effectiveness of Mosquito Traps in Measuring Species Abundance and Composition. <i>Journal of Medical Entomology</i> , 2008, 45, 517-521.	0.9	33

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19	Workplace availability, risk group and perceived barriers predictive of 2016–17 influenza vaccine uptake in the United States: A cross-sectional study. <i>Vaccine</i> , 2017, 35, 5890-5896.	1.7	33
20	Identification and characterization of a mosquito-specific eggshell organizing factor in <i>Aedes aegypti</i> mosquitoes. <i>PLoS Biology</i> , 2019, 17, e3000068.	2.6	33
21	Management of <i>Helicobacter Pylori</i> in the United States: Results from a national survey of gastroenterology physicians. <i>Preventive Medicine</i> , 2017, 100, 216-222.	1.6	30
22	Synergistic China–US Ecological Research is Essential for Global Emerging Infectious Disease Preparedness. <i>EcoHealth</i> , 2020, 17, 160-173.	0.9	30
23	Data-driven outbreak forecasting with a simple nonlinear growth model. <i>Epidemics</i> , 2016, 17, 19-26.	1.5	28
24	Spatial and Temporal Clustering of Chikungunya Virus Transmission in Dominica. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0003977.	1.3	27
25	Disgust as an emotional driver of vaccine attitudes and uptake? A mediation analysis. <i>Epidemiology and Infection</i> , 2019, 147, e182.	1.0	27
26	Climatic Predictors of the Intra- and Inter-Annual Distributions of Plague Cases in New Mexico Based on 29 Years of Animal-Based Surveillance Data. <i>American Journal of Tropical Medicine and Hygiene</i> , 2010, 82, 95-102.	0.6	26
27	Comparison of three satellite sensors at three spatial scales to predict larval mosquito presence in Connecticut wetlands. <i>Remote Sensing of Environment</i> , 2008, 112, 2301-2308.	4.6	25
28	Projection of Climate Change Influences on U.S. West Nile Virus Vectors. <i>Earth Interactions</i> , 2015, 19, 1-18.	0.7	19
29	Population Knowledge, Attitude, and Practice Regarding <i>Helicobacter pylori</i> Transmission and Outcomes: A Literature Review. <i>Frontiers in Public Health</i> , 2017, 5, 144.	1.3	19
30	A cumulative gravity model for inter-urban spatial interaction at different scales. <i>Journal of Transport Geography</i> , 2019, 79, 102461.	2.3	19
31	Mosquito Avoidance Practices and Knowledge of Arboviral Diseases in Cities with Differing Recent History of Disease. <i>American Journal of Tropical Medicine and Hygiene</i> , 2016, 95, 945-953.	0.6	18
32	Annual Seroprevalence of <i>Yersinia pestis</i> in Coyotes as Predictors of Interannual Variation in Reports of Human Plague Cases in Arizona, United States. <i>Vector-Borne and Zoonotic Diseases</i> , 2011, 11, 1439-1446.	0.6	16
33	Spatio-temporal and neighborhood characteristics of two dengue outbreaks in two arid cities of Mexico. <i>Acta Tropica</i> , 2017, 167, 174-182.	0.9	16
34	Ethnic Disparities in Gastric Cancer Presentation and Screening Practice in the United States: Analysis of 1997–2010 Surveillance, Epidemiology, and End Results-Medicare Data. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2019, 28, 659-665.	1.1	15
35	Estimating <i>Aedes aegypti</i> (Diptera: Culicidae) Flight Distance: Meta-Data Analysis. <i>Journal of Medical Entomology</i> , 2022, 59, 1164-1170.	0.9	12
36	Influence of the Length of Storage on <i>Aedes aegypti</i> (Diptera: Culicidae) Egg Viability. <i>Journal of Medical Entomology</i> , 2016, 54, tjw186.	0.9	10

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37	Helicobacter pylori Prevalence and Risk Factors in Three Rural Indigenous Communities of Northern Arizona. International Journal of Environmental Research and Public Health, 2022, 19, 797.	1.2	10
38	Habitat and Density of Oviposition Opportunity Influences Aedes aegypti (Diptera: Culicidae) Flight Distance. Journal of Medical Entomology, 2017, 54, 1385-1389.	0.9	9
39	Temporal Trends in Satellite-Derived Erythral UVB and Implications for Ambient Sun Exposure Assessment. International Journal of Environmental Research and Public Health, 2017, 14, 176.	1.2	9
40	Evaluation and Modification of Off-Host Flea Collection Techniques Used in Northwest Uganda: Laboratory and Field Studies. Journal of Medical Entomology, 2012, 49, 210-214.	0.9	8
41	A Critical Assessment of Officially Reported Chagas Disease Surveillance Data in Mexico. Public Health Reports, 2016, 131, 59-66.	1.3	8
42	Effect of Temperature Thresholds on Modeled Aedes aegypti (Diptera: Culicidae) Population Dynamics. Journal of Medical Entomology, 2017, 54, 869-877.	0.9	8
43	A Case-Control Study to Identify Community Venues Associated with Genetically-clustered, Multidrug-resistant Tuberculosis Disease in Lima, Peru. Clinical Infectious Diseases, 2019, 68, 1547-1555.	2.9	8
44	Regional Variation of Pancreatic Cancer Incidence in the Nile Delta Region of Egypt over a Twelve-Year Period. Journal of Cancer Epidemiology, 2020, 2020, 1-9.	0.5	7
45	Ambient UVR and Environmental Arsenic Exposure in Relation to Cutaneous Melanoma in Iowa. International Journal of Environmental Research and Public Health, 2022, 19, 1742.	1.2	7
46	The Effect of Spatial and Temporal Subsetting on Culex tarsalis Abundance Models—a Design for Sensible Reduction of Vector Surveillance. Journal of the American Mosquito Control Association, 2011, 27, 120-128.	0.2	6
47	Emerging Evidence for Infectious Causes of Cancer in the United States. Epidemiologic Reviews, 2019, 41, 82-96.	1.3	6
48	Improving Undergraduate Epidemiology Education: An Example Using Instructional Teams. American Journal of Epidemiology, 2021, 190, 305-312.	1.6	6
49	Human Health. , 2013, , 312-339.		6
50	Spatial Scale in Environmental Risk Mapping: A Valley Fever Case Study. Journal of Public Health Research, 2017, 6, jphr.2017.886.	0.5	5
51	Geospatial characteristics of non-motor vehicle and assault-related trauma events in greater Phoenix, Arizona. Injury Epidemiology, 2020, 7, 34.	0.8	5
52	Characteristics of Wind-Infective Farms of the 2006 Bluetongue Serotype 8 Epidemic in Northern Europe. EcoHealth, 2015, 12, 461-467.	0.9	4
53	Participation and Engagement of Public Health Stakeholders in Climate and Health Adaptation. Atmosphere, 2020, 11, 265.	1.0	4
54	A 70% Reduction in Mosquito Populations Does Not Require Removal of 70% of Mosquitoes. Journal of Medical Entomology, 2020, 57, 1668-1670.	0.9	4

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55	Chagas Disease in Pregnant Women from Endemic Regions Attending the Hospital General de Mexico, Mexico City. <i>Tropical Medicine and Infectious Disease</i> , 2022, 7, 8.	0.9	4
56	Recognizing the Role of Skunks in Human and Animal Rabies Exposures in the Southwest. <i>Vector-Borne and Zoonotic Diseases</i> , 2015, 15, 494-501.	0.6	3
57	Community transmission of multidrug-resistant tuberculosis is associated with activity space overlap in Lima, Peru. <i>BMC Infectious Diseases</i> , 2021, 21, 275.	1.3	3
58	<i>Helicobacter pylori</i> in Native Americans in Northern Arizona. <i>Diseases (Basel, Switzerland)</i> , 2022, 10, 19.	1.0	3
59	Understanding Mosquito Surveillance Data for Analytic Efforts: A Case Study. <i>Journal of Medical Entomology</i> , 2021, 58, 1619-1625.	0.9	2
60	Climate Choices for a Sustainable Southwest. , 2013, , 405-435.		2
61	Predicting eastern equine encephalitis spread in North America: An ecological study. <i>Current Research in Parasitology and Vector-borne Diseases</i> , 2021, 1, 100064.	0.7	2
62	COVID-19 prevention measures reduce dengue spread in Yunnan Province, China, but do not reduce established outbreak. <i>Emerging Microbes and Infections</i> , 2022, 11, 240-249.	3.0	2
63	Global Warming's Six MTurks: A Secondary Analysis of a US-Based Online Crowdsourcing Market. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 8320.	1.2	2
64	Greening Up For Mosquitoes: A Comparison of Green Stormwater Infrastructure in a Semiarid Region. <i>Journal of the American Mosquito Control Association</i> , 2022, 38, 109-112.	0.2	1
65	Brown and Cox Respond to "Epidemiologic Methods in Epidemiology Education". <i>American Journal of Epidemiology</i> , 2021, 190, 317-317.	1.6	0
66	Flexibility and partnerships perceived as supportive of dual hazard response: COVID-19 and heat related illness, Summer 2020. <i>The Journal of Climate Change and Health</i> , 2021, 4, 100068.	1.4	0