Vanja M DukiÄ

List of Publications by Year
in descending order

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56 papers	1,812 citations	279798 23 h-index	276875 41 g-index
58 all docs	58 docs citations	58 times ranked	2835 citing authors

#	Article	IF	Citations
1	An Empirical Test of the Role of Small-Scale Transmission in Large-Scale Disease Dynamics. American Naturalist, 2020, 195, 616-635.	2.1	7
2	Stochasticity and Infectious Disease Dynamics: Density and Weather Effects on a Fungal Insect Pathogen. American Naturalist, 2020, 195, 504-523.	2.1	10
3	A note on species richness and the variance of epidemic severity. Journal of Mathematical Biology, 2020, 80, 2055-2074.	1.9	0
4	Bayesian-based survival analysis: inferring time to death in host-pathogen interactions. Environmental and Ecological Statistics, 2019, 26, 17-45.	3.5	2
5	Tracking U.S. Pertussis Incidence: Correlation of Public Health Surveillance and Google Search Data Varies by State. Scientific Reports, 2019, 9, 19801.	3.3	6
6	Uncertainty quantification using probabilistic numerics: application to models in mathematical epidemiology. Inverse Problems in Science and Engineering, 2018, 26, 223-232.	1.2	1
7	A point process model for generating biofilms with realistic microstructure and rheology. European Journal of Applied Mathematics, 2018, 29, 1141-1177.	2.9	3
8	Flexible modeling of the hazard rate and treatment effects in long-term survival studies. Statistical Methods in Medical Research, 2017, 26, 2455-2480.	1.5	5
9	Eco-Evolutionary Theory and Insect Outbreaks. American Naturalist, 2017, 189, 616-629.	2.1	13
10	Recurring infection with ecologically distinct HPV types can explain high prevalence and diversity. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 13573-13578.	7.1	59
11	Assessment of cookstove stacking in Northern Ghana using surveys and stove use monitors. Energy for Sustainable Development, 2016, 34, 67-76.	4.5	64
12	Effects of host heterogeneity on pathogen diversity and evolution. Ecology Letters, 2015, 18, 1252-1261.	6.4	44
13	Research on Emissions, Air quality, Climate, and Cooking Technologies in Northern Ghana (REACCTING): study rationale and protocol. BMC Public Health, 2015, 15, 126.	2.9	37
14	Using Weather Forecasts to Help Manage Meningitis in the West African Sahel. Bulletin of the American Meteorological Society, 2015, 96, 103-115.	3.3	15
15	Alluvial response to the Paleoceneâ€“Eocene Thermal Maximum climatic event, Polecat Bench, Wyoming (U.S.A.). Palaeogeography, Palaeoclimatology, Palaeoecology, 2015, 435, 177-192.	2.3	50
16	Combining principal component analysis with parameter line-searches to improve the efficacy of Metropolisâ€“Hastings MCMC. Environmental and Ecological Statistics, 2015, 22, 247-274.	3.5	13
17	The Impact of Climate Change on Meningitis in Northwest Nigeria: An Assessment Using CMIP5 Climate Model Simulations. Weather, Climate, and Society, 2014, 6, 371-379.	1.1	17
18	Climate Influences on Meningitis Incidence in Northwest Nigeria. Weather, Climate, and Society, 2014, 6, 62-76.	1.1	14

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19	Nonconvulsive seizures in subarachnoid hemorrhage link inflammation and outcome. Annals of Neurology, 2014, 75, 771-781.	5.3	94
20	Survival analysis with electronic health record data: Experiments with chronic kidney disease. Statistical Analysis and Data Mining, 2014, 7, 385-403.	2.8	35
21	Pathogen Growth in Insect Hosts: Inferring the Importance of Different Mechanisms Using Stochastic Models and Response-Time Data. American Naturalist, 2014, 184, 407-423.	2.1	20
22	Modeling the transmission of community-associated methicillin-resistant Staphylococcus aureus: a dynamic agent-based simulation. Journal of Translational Medicine, 2014, 12, 124.	4.4	48
23	Predicting Multivariate Insurance Loss Payments Under the Bayesian Copula Framework. Journal of Risk and Insurance, 2013, 80, 891-919.	1.6	41
24	Population-level differences in disease transmission: A Bayesian analysis of multiple smallpox epidemics. Epidemics, 2013, 5, 146-156.	3.0	15
25	Minimum correlation in construction of multivariate distributions. Physical Review E, 2013, 87, .	2.1	5
26	Epidemics of Community-Associated Methicillin-Resistant Staphylococcus aureus in the United States: A Meta-Analysis. PLoS ONE, 2013, 8, e52722.	2.5	111
27	Modeling the Short-Term Effect of Traffic and Meteorology on Air Pollution in Turin with Generalized Additive Models. Advances in Meteorology, 2012, 2012, 1-16.	1.6	22
28	Tracking Epidemics With Google Flu Trends Data and a State-Space SEIR Model. Journal of the American Statistical Association, 2012, 107, 1410-1426.	3.1	123
29	Detecting Graded Exposure Effects: A Report on an East Boston Pregnancy Cohort. Nicotine and Tobacco Research, 2012, 14, 1115-1120.	2.6	21
30	Modeling the spread of community-associated MRSA. , 2012, , .		9
31	The Role of Weather in Meningitis Outbreaks in Navrongo, Ghana: A Generalized Additive Modeling Approach. Journal of Agricultural, Biological, and Environmental Statistics, 2012, 17, 442-460.	1.4	46
32	Who Underreports Smoking on Birth Records: A Monte Carlo Predictive Model with Validation. PLoS ONE, 2012, 7, e34853.	2.5	25
33	A Bayesian Non-Linear Model for Forecasting Insurance Loss Payments. Journal of the Royal Statistical Society Series A: Statistics in Society, 2012, 175, 637-656.	1.1	35
34	Unpacking the association: Individual differences in the relation of prenatal exposure to cigarettes and disruptive behavior phenotypes. Neurotoxicology and Teratology, 2011, 33, 145-154.	2.4	28
35	Internet Queries and Methicillin-ResistantStaphylococcus aureusSurveillance. Emerging Infectious Diseases, 2011, 17, 1068-1070.	4.3	18
36	Internet Queries and Methicillin-ResistantStaphylococcus aureusSurveillance. Emerging Infectious Diseases, 2011, 17, 1068-1070.	4.3	25

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37	Interaction of prenatal exposure to cigarettes and MAOA genotype in pathways to youth antisocial behavior. Molecular Psychiatry, 2010, 15, 928-937.	7.9	118
38	Calibrating Self-Reported Measures of Maternal Smoking in Pregnancy via Bioassays Using a Monte Carlo Approach. International Journal of Environmental Research and Public Health, 2009, 6, 1744-1759.	2.6	19
39	Comments on: Yin W, Di G, Zhou L, Lu J, Liu G, Wu J, Shen K, Han Q, Shen Z, Shao Z. Time-varying pattern of recurrence risk for Chinese breast cancer patients. Breast Cancer Research and Treatment, 2009, 116, 209-210.	2.5	5
40	Hazard of recurrence and adjuvant treatment effects over time in lymph node-negative breast cancer. Breast Cancer Research and Treatment, 2009, 116, 595-602.	2.5	116
41	The complex enterprise of modelling prenatal exposure to cigarettes: what is â€˜enoughâ€™?. Paediatric and Perinatal Epidemiology, 2009, 23, 160-170.	1.7	18
42	Modeling the relationship of cotinine and self-reported measures of maternal smoking during pregnancy: A deterministic approach. Nicotine and Tobacco Research, 2007, 9, 453-465.	2.6	30
43	A Multiresolution Hazard Model for Multicenter Survival Studies. Journal of the American Statistical Association, 2007, 102, 1145-1157.	3.1	6
44	Bayesian hierarchical multiresolution hazard model for the study of time-dependent failure patterns in early stage breast cancer. Bayesian Analysis, 2007, 2, 591-610.	3.0	13
45	The Complex Enterprise of Modeling Prenatal Exposure to Cigarettes: What is â€˜Enoughâ€™?. Epidemiology, 2006, 17, S23.	2.7	1
46	Estimating transitions between symptom severity states over time in schizophrenia: a Bayesian meta-analytic approach. Statistics in Medicine, 2006, 25, 2886-2910.	1.6	4
47	Uncertainty in predictions of disease spread and public health responses to bioterrorism and emerging diseases. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 15693-15697.	7.1	88
48	Analysis of repeated pregnancy outcomes. Statistical Methods in Medical Research, 2006, 15, 103-126.	1.5	61
49	Variance Estimation in a Model With Gaussian Submodels. Journal of the American Statistical Association, 2005, 100, 296-309.	3.1	6
50	Short-Acting Î²-Agonist Prescription Fills as a Marker for Asthma Morbidity. Chest, 2005, 128, 602-608.	0.8	58
51	Research hurdles complicating the analysis of infertility treatment and child health. Human Reproduction, 2005, 20, 12-18.	0.9	66
52	Variance Estimation in a Model with Gaussian Sub-Models. Journal of the American Statistical Association, 2005, 100, 296-309.	3.1	3
53	Metaâ€analysis of Diagnostic Test Accuracy Assessment Studies with Varying Number of Thresholds. Biometrics, 2003, 59, 936-946.	1.4	83
54	A hierarchical Bayesian approach to modeling embryo implantation following in vitro fertilization. Biostatistics, 2002, 3, 361-377.	1.5	24

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55	Modeling the Short-Term Effect of Traffic on Air Pollution in Torino with Generalized Additive Models. SSRN Electronic Journal, 0, , .	0.4	2
56	Tracking Flu Epidemics Using Google Flu Trends and Particle Learning. SSRN Electronic Journal, 0, , .	0.4	10