

# Vanja M DukiÄ

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2561231/publications.pdf>

Version: 2024-02-01

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	Tracking Epidemics With Google Flu Trends Data and a State-Space SEIR Model. <i>Journal of the American Statistical Association</i> , 2012, 107, 1410-1426.	3.1	123
2	Interaction of prenatal exposure to cigarettes and MAOA genotype in pathways to youth antisocial behavior. <i>Molecular Psychiatry</i> , 2010, 15, 928-937.	7.9	118
3	Hazard of recurrence and adjuvant treatment effects over time in lymph node-negative breast cancer. <i>Breast Cancer Research and Treatment</i> , 2009, 116, 595-602.	2.5	116
4	Epidemics of Community-Associated Methicillin-Resistant <i>Staphylococcus aureus</i> in the United States: A Meta-Analysis. <i>PLoS ONE</i> , 2013, 8, e52722.	2.5	111
5	Nonconvulsive seizures in subarachnoid hemorrhage link inflammation and outcome. <i>Annals of Neurology</i> , 2014, 75, 771-781.	5.3	94
6	Uncertainty in predictions of disease spread and public health responses to bioterrorism and emerging diseases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 15693-15697.	7.1	88
7	Meta-analysis of Diagnostic Test Accuracy Assessment Studies with Varying Number of Thresholds. <i>Biometrics</i> , 2003, 59, 936-946.	1.4	83
8	Research hurdles complicating the analysis of infertility treatment and child health. <i>Human Reproduction</i> , 2005, 20, 12-18.	0.9	66
9	Assessment of cookstove stacking in Northern Ghana using surveys and stove use monitors. <i>Energy for Sustainable Development</i> , 2016, 34, 67-76.	4.5	64
10	Analysis of repeated pregnancy outcomes. <i>Statistical Methods in Medical Research</i> , 2006, 15, 103-126.	1.5	61
11	Recurring infection with ecologically distinct HPV types can explain high prevalence and diversity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 13573-13578.	7.1	59
12	Short-Acting $\beta_2$ -Agonist Prescription Fills as a Marker for Asthma Morbidity. <i>Chest</i> , 2005, 128, 602-608.	0.8	58
13	Alluvial response to the Paleocene–Eocene Thermal Maximum climatic event, Polecat Bench, Wyoming (U.S.A.). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2015, 435, 177-192.	2.3	50
14	Modeling the transmission of community-associated methicillin-resistant <i>Staphylococcus aureus</i> : a dynamic agent-based simulation. <i>Journal of Translational Medicine</i> , 2014, 12, 124.	4.4	48
15	The Role of Weather in Meningitis Outbreaks in Navrongo, Ghana: A Generalized Additive Modeling Approach. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2012, 17, 442-460.	1.4	46
16	Effects of host heterogeneity on pathogen diversity and evolution. <i>Ecology Letters</i> , 2015, 18, 1252-1261.	6.4	44
17	Predicting Multivariate Insurance Loss Payments Under the Bayesian Copula Framework. <i>Journal of Risk and Insurance</i> , 2013, 80, 891-919.	1.6	41
18	Research on Emissions, Air quality, Climate, and Cooking Technologies in Northern Ghana (REACTING): study rationale and protocol. <i>BMC Public Health</i> , 2015, 15, 126.	2.9	37

#	ARTICLE	IF	CITATIONS
19	A Bayesian Non-Linear Model for Forecasting Insurance Loss Payments. <i>Journal of the Royal Statistical Society Series A: Statistics in Society</i> , 2012, 175, 637-656.	1.1	35
20	Survival analysis with electronic health record data: Experiments with chronic kidney disease. <i>Statistical Analysis and Data Mining</i> , 2014, 7, 385-403.	2.8	35
21	Modeling the relationship of cotinine and self-reported measures of maternal smoking during pregnancy: A deterministic approach. <i>Nicotine and Tobacco Research</i> , 2007, 9, 453-465.	2.6	30
22	Unpacking the association: Individual differences in the relation of prenatal exposure to cigarettes and disruptive behavior phenotypes. <i>Neurotoxicology and Teratology</i> , 2011, 33, 145-154.	2.4	28
23	Who Underreports Smoking on Birth Records: A Monte Carlo Predictive Model with Validation. <i>PLoS ONE</i> , 2012, 7, e34853.	2.5	25
24	Internet Queries and Methicillin-Resistant <i>Staphylococcus aureus</i> Surveillance. <i>Emerging Infectious Diseases</i> , 2011, 17, 1068-1070.	4.3	25
25	A hierarchical Bayesian approach to modeling embryo implantation following in vitro fertilization. <i>Biostatistics</i> , 2002, 3, 361-377.	1.5	24
26	Modeling the Short-Term Effect of Traffic and Meteorology on Air Pollution in Turin with Generalized Additive Models. <i>Advances in Meteorology</i> , 2012, 2012, 1-16.	1.6	22
27	Detecting Graded Exposure Effects: A Report on an East Boston Pregnancy Cohort. <i>Nicotine and Tobacco Research</i> , 2012, 14, 1115-1120.	2.6	21
28	Pathogen Growth in Insect Hosts: Inferring the Importance of Different Mechanisms Using Stochastic Models and Response-Time Data. <i>American Naturalist</i> , 2014, 184, 407-423.	2.1	20
29	Calibrating Self-Reported Measures of Maternal Smoking in Pregnancy via Bioassays Using a Monte Carlo Approach. <i>International Journal of Environmental Research and Public Health</i> , 2009, 6, 1744-1759.	2.6	19
30	The complex enterprise of modelling prenatal exposure to cigarettes: what is "enough"? <i>Paediatric and Perinatal Epidemiology</i> , 2009, 23, 160-170.	1.7	18
31	Internet Queries and Methicillin-Resistant <i>Staphylococcus aureus</i> Surveillance. <i>Emerging Infectious Diseases</i> , 2011, 17, 1068-1070.	4.3	18
32	The Impact of Climate Change on Meningitis in Northwest Nigeria: An Assessment Using CMIP5 Climate Model Simulations. <i>Weather, Climate, and Society</i> , 2014, 6, 371-379.	1.1	17
33	Population-level differences in disease transmission: A Bayesian analysis of multiple smallpox epidemics. <i>Epidemics</i> , 2013, 5, 146-156.	3.0	15
34	Using Weather Forecasts to Help Manage Meningitis in the West African Sahel. <i>Bulletin of the American Meteorological Society</i> , 2015, 96, 103-115.	3.3	15
35	Climate Influences on Meningitis Incidence in Northwest Nigeria. <i>Weather, Climate, and Society</i> , 2014, 6, 62-76.	1.1	14
36	Bayesian hierarchical multiresolution hazard model for the study of time-dependent failure patterns in early stage breast cancer. <i>Bayesian Analysis</i> , 2007, 2, 591-610.	3.0	13

#	ARTICLE	IF	CITATIONS
37	Combining principal component analysis with parameter line-searches to improve the efficacy of Metropolisâ€“Hastings MCMC. <i>Environmental and Ecological Statistics</i> , 2015, 22, 247-274.	3.5	13
38	Eco-Evolutionary Theory and Insect Outbreaks. <i>American Naturalist</i> , 2017, 189, 616-629.	2.1	13
39	Stochasticity and Infectious Disease Dynamics: Density and Weather Effects on a Fungal Insect Pathogen. <i>American Naturalist</i> , 2020, 195, 504-523.	2.1	10
40	Tracking Flu Epidemics Using Google Flu Trends and Particle Learning. <i>SSRN Electronic Journal</i> , 0, , .	0.4	10
41	Modeling the spread of community-associated MRSA. , 2012, , .		9
42	An Empirical Test of the Role of Small-Scale Transmission in Large-Scale Disease Dynamics. <i>American Naturalist</i> , 2020, 195, 616-635.	2.1	7
43	Variance Estimation in a Model With Gaussian Submodels. <i>Journal of the American Statistical Association</i> , 2005, 100, 296-309.	3.1	6
44	A Multiresolution Hazard Model for Multicenter Survival Studies. <i>Journal of the American Statistical Association</i> , 2007, 102, 1145-1157.	3.1	6
45	Tracking U.S. Pertussis Incidence: Correlation of Public Health Surveillance and Google Search Data Varies by State. <i>Scientific Reports</i> , 2019, 9, 19801.	3.3	6
46	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. <i>Breast Cancer Research and Treatment</i> , 2009, 116, 209-210.	2.5	5
47	Minimum correlation in construction of multivariate distributions. <i>Physical Review E</i> , 2013, 87, .	2.1	5
48	Flexible modeling of the hazard rate and treatment effects in long-term survival studies. <i>Statistical Methods in Medical Research</i> , 2017, 26, 2455-2480.	1.5	5
49	Estimating transitions between symptom severity states over time in schizophrenia: a Bayesian meta-analytic approach. <i>Statistics in Medicine</i> , 2006, 25, 2886-2910.	1.6	4
50	A point process model for generating biofilms with realistic microstructure and rheology. <i>European Journal of Applied Mathematics</i> , 2018, 29, 1141-1177.	2.9	3
51	Variance Estimation in a Model with Gaussian Sub-Models. <i>Journal of the American Statistical Association</i> , 2005, 100, 296-309.	3.1	3
52	Bayesian-based survival analysis: inferring time to death in host-pathogen interactions. <i>Environmental and Ecological Statistics</i> , 2019, 26, 17-45.	3.5	2
53	Modeling the Short-Term Effect of Traffic on Air Pollution in Torino with Generalized Additive Models. <i>SSRN Electronic Journal</i> , 0, , .	0.4	2
54	The Complex Enterprise of Modeling Prenatal Exposure to Cigarettes: What is â€“Enoughâ€“?. <i>Epidemiology</i> , 2006, 17, S23.	2.7	1

#	ARTICLE	IF	CITATIONS
55	Uncertainty quantification using probabilistic numerics: application to models in mathematical epidemiology. <i>Inverse Problems in Science and Engineering</i> , 2018, 26, 223-232.	1.2	1
56	A note on species richness and the variance of epidemic severity. <i>Journal of Mathematical Biology</i> , 2020, 80, 2055-2074.	1.9	0