Ayaz Hyder

List of Publications by Year
in descending order

33 papers	1,184 citations	759233 12 h-index	454955 30 g-index
34 all docs	34 docs citations	34 times ranked	1621 citing authors

#	Article	IF	Citations
1	Design and Implementation of a Workshop for Evaluation of the Role of Power in Shaping and Solving Challenges in a Smart Foodshed. Sustainability, 2022, 14, 2642.	3.2	1
2	A Bayesian Spatiotemporal Nowcasting Model for Public Health Decision-Making and Surveillance. American Journal of Epidemiology, 2022, , .	3.4	3
3	Understanding the role of urban social and physical environment in opioid overdose events using found geospatial data. Health and Place, 2022, 75, 102792.	3.3	12
4	Response to â€œCOVID-19 economic impact payments and opioid overdose deathsâ€. International Journal of Drug Policy, 2022, , 103713.	3.3	0
5	Big Geospatial Data or Geospatial Big Data? A Systematic Narrative Review on the Use of Spatial Data Infrastructures for Big Geospatial Sensing Data in Public Health. Remote Sensing, 2022, 14, 2996.	4.0	4
6	Economic Evaluation in Opioid Modeling: Systematic Review. Value in Health, 2021, 24, 158-173.	0.3	14
7	Low Birth Weight and Preterm Birth Among Arab-American Women in Ohio. Maternal and Child Health Journal, 2021, 25, 574-583.	1.5	5
8	Opioid Treatment Deserts: Concept development and application in a US Midwestern urban county. PLoS ONE, 2021, 16, e0250324.	2.5	18
9	COVID-19 Surveillance for Local Decision Making. Public Health Reports, 2021, 136, 403-412.	2.5	6
10	A Systematic Review of Simulation Models to Track and Address the Opioid Crisis. Epidemiologic Reviews, 2021, 43, 147-165.	3.5	6
11	Toward Smart Foodsheds: Using Stakeholder Engagement to Improve Informatics Frameworks for Regional Food Systems. Annals of the American Association of Geographers, 2020, 110, 535-546.	2.2	7
12	Health economic design for cost, cost-effectiveness and simulation analyses in the HEALing Communities Study. Drug and Alcohol Dependence, 2020, 217, 108336.	3.2	8
13	Explaining Racial Inequality in Food Security in Columbus, Ohio: A Blinderâ€"Oaxaca Decomposition Analysis. International Journal of Environmental Research and Public Health, 2020, 17, 5488.	2.6	9
14	311 service requests as indicators of neighborhood distress and opioid use disorder. Scientific Reports, 2020, 10, 19579.	3.3	15
15	The HEALing (Helping to End Addiction Long-term SM) Communities Study: Protocol for a cluster randomized trial at the community level to reduce opioid overdose deaths through implementation of an integrated set of evidence-based practices. Drug and Alcohol Dependence, 2020, 217, 108335.	3.2	50
16	Inpatient mortality in transition-aged youth with rheumatic disease: an analysis of the National Inpatient Sample. Pediatric Rheumatology, 2020, 18, 27.	2.1	0
17	Translational data analytics in exposure science and environmental health: a citizen science approach with high school students. Environmental Health, 2020, 19, 73.	4.0	4
18	Teaching systems science to public health professionals. Public Health, 2020, 181, 119-121.	2.9	1

#	Article	IF	Citations
19	Examining disparities in food accessibility among households in Columbus, Ohio: an agent-based model. Food Security, 2019, 11, 317-331.	5.3	12
20	Designing an Agent-Based Model Using Group Model Building: Application to Food Insecurity Patterns in a U.S. Midwestern Metropolitan City. Journal of Urban Health, 2018, 95, 278-289.	3.6	7
21	Public Funding for Genomics and the Return on Investment: A Public Health Perspective. Perspectives in Biology and Medicine, 2018, 61, 572-583.	0.5	3
22	The Evidence Base for Social Determinants of Health as Risk Factors for Infant Mortality: A Systematic Scoping Review. Journal of Health Care for the Poor and Underserved, 2018, 29, 1188-1208.	0.8	35
23	Group Model Building Techniques for Rapid Elicitation of Parameter Values, Effect Sizes, and Data Sources. System Dynamics Review, 2017, 33, 71-84.	1.9	14
24	Toward Standardizing a Lexicon of Infectious Disease Modeling Terms. Frontiers in Public Health, 2016, 4, 213.	2.7	19
25	Integrating air pollution exposure in a mechanistic agent-based model of asthma: Model development and application to childhood asthma outcomes. ISEE Conference Abstracts, 2016, 2016, .	0.0	0
26	Surveillance in Patients With Barrett's Esophagus for Early Detection of Esophageal Adenocarcinoma: A Systematic Review and Meta-Analysis. Clinical and Translational Gastroenterology, 2015, 6, e131.	2.5	30
27	Social deprivation and burden of influenza: Testing hypotheses and gaining insights from a simulation model for the spread of influenza. Epidemics, 2015, 11, 71-79.	3.0	8
28	PM2.5 Exposure and Birth Outcomes. Epidemiology, 2014, 25, 58-67.	2.7	132
29	Predictive Validation of an Influenza Spread Model. PLoS ONE, 2013, 8, e65459.	2.5	20
30	Acute kidney injury is an independent risk factor for pediatric intensive care unit mortality, longer length of stay and prolonged mechanical ventilation in critically ill children: a two-center retrospective cohort study. Critical Care, 2011, 15, R146.	5.8	294
31	Acute kidney injury in non-critically ill children treated with aminoglycoside antibiotics in a tertiary healthcare centre: a retrospective cohort study. Nephrology Dialysis Transplantation, 2011, 26, 144-150.	0.7	144
32	A small post-operative rise in serum creatinine predicts acute kidney injury in children undergoing cardiac surgery. Kidney International, 2009, 76, 885-892.	5.2	280
33	Integrating Data, Biology, and Decision Models for Invasive Species Management: Application to Leafy Spurge (Euphorbia esula). Ecology and Society, 2008, 13, .	2.3	23