Jonathan Ozik

List of Publications by Year
in descending order

37 papers	1,102 citations	759190 12 h-index	552766 26 g-index
42 all docs	42 docs citations	42 times ranked	1221 citing authors

#	Article	IF	Citations
1	Complex adaptive systems modeling with Repast Simphony. Complex Adaptive Systems Modeling, 2013, 1, .	1.6	383
2	The transformation of southern California's residential photovoltaics market through third-party ownership. Energy Policy, 2012, 42, 681-690.	8.8	158
3	High-throughput cancer hypothesis testing with an integrated PhysiCell-EMEWS workflow. BMC Bioinformatics, 2018, 19, 483.	2.6	54
4	CANDLE/Supervisor: a workflow framework for machine learning applied to cancer research. BMC Bioinformatics, 2018, 19, 491.	2.6	44
5	From desktop to Large-Scale Model Exploration with Swift/T. , 2016, 2016, 206-220.		43
6	Learning-accelerated discovery of immune-tumour interactions. Molecular Systems Design and Engineering, 2019, 4, 747-760.	3.4	41
7	Impact of a Low-Intensity Resource Referral Intervention on Patients' Knowledge, Beliefs, and Use of Community Resources: Results from the CommunityRx Trial. Journal of General Internal Medicine, 2020, 35, 815-823.	2.6	31
8	Microsimulation model calibration using incremental mixture approximate Bayesian computation. Annals of Applied Statistics, 2019, 13, 2189-2212.	1.1	30
9	A modeling framework to inform preexposure prophylaxis initiation and retention scale-up in the context of 'Getting to Zero' initiatives. Aids, 2019, 33, 1911-1922.	2.2	27
10	Extreme-Scale Dynamic Exploration of a Distributed Agent-Based Model With the EMEWS Framework. IEEE Transactions on Computational Social Systems, 2018, 5, 884-895.	4.4	24
11	Large-Scale Agent-Based Modeling with Repast HPC: A Case Study in Parallelizing an Agent-Based Model. Lecture Notes in Computer Science, 2015, , 454-465.	1.3	22
12	A population data-driven workflow for COVID-19 modeling and learning. International Journal of High Performance Computing Applications, 2021, 35, 483-499.	3.7	22
13	Modeling the X-Ray–Ultraviolet Correlations in NGC 7469. Astrophysical Journal, 2000, 535, 712-720.	4.5	20
14	CHISIM: AN AGENT-BASED SIMULATION MODEL OF SOCIAL INTERACTIONS IN A LARGE URBAN AREA. , 2018, , .		14
15	A Community Roadmap for Scientific Workflows Research and Development. , 2021, , .		14
16	Modeling indicates efficient vaccine-based interventions for the elimination of hepatitis C virus among persons who inject drugs in metropolitan Chicago. Vaccine, 2019, 37, 2608-2616.	3.8	11
17	Nested active learning for efficient model contextualization and parameterization: pathway to generating simulated populations using multi-scale computational models. Simulation, 2021, 97, 287-296.	1.8	11
18	Socio-Structural and Neighborhood Predictors of Incident Criminal Justice Involvement in a Population-Based Cohort of Young Black MSM and Transgender Women. Journal of Urban Health, 2020, 97, 623-634.	3.6	10

#	Article	IF	Citations
19	Water Relationships in the U.S. Southwest: Characterizing Water Management Networks Using Natural Language Processing. Water (Switzerland), 2014, 6, 1601-1641.	2.7	9
20	Experiences in Developing a Distributed Agent-based Modeling Toolkit with Python. , 2020, , .		9
21	People who inject drugs in metropolitan Chicago: A meta-analysis of data from 1997-2017 to inform interventions and computational modeling toward hepatitis C microelimination. PLoS ONE, 2022, 17, e0248850.	2.5	9
22	Reopening California: Seeking robust, non-dominated COVID-19 exit strategies. PLoS ONE, 2021, 16, e0259166.	2.5	8
23	The last Black man with HIV in San Francisco: the potential role of gentrification on HIV getting to zero achievements. Lancet HIV,the, 2020, 7, e853-e856.	4.7	7
24	National variability in Americans' COVID-19 protective behaviors: Implications for vaccine roll-out. PLoS ONE, 2021, 16, e0259257.	2.5	7
25	Modeling hepatitis C micro-elimination among people who inject drugs with direct-acting antivirals in metropolitan Chicago. PLoS ONE, 2022, 17, e0264983.	2.5	7
26	Simulating regional hydrology and water management: An integrated agent-based approach. , 2015, , .		5
27	Multi-Objective Model Exploration of Hepatitis C Elimination in an Agent-Based Model of People who Inject Drugs. , 2019, 2019, 1008-1019.		5
28	Model Exploration of an Information-Based Healthcare Intervention Using Parallelization and Active Learning. Jasss, 2020, 23, .	1.8	5
29	Simulating Water, Individuals, and Management using a coupled and distributed approach. , 2014, , .		4
30	MODELING AN INFORMATION-BASED COMMUNITY HEALTH INTERVENTION ON THE SOUTH SIDE OF CHICAGO. , 2018, , .		4
31	Understanding institutions for water allocation and exchange: Insights from dynamic agent‐based modeling. Wiley Interdisciplinary Reviews: Water, 2019, 6, e1384.	6.5	4
32	Too Good to Be True? Evaluation of Colonoscopy Sensitivity Assumptions Used in Policy Models. Cancer Epidemiology Biomarkers and Prevention, 2022, 31, 775-782.	2.5	4
33	Impact of changes in protective behaviors and out-of-household activities by age on COVID-19 transmission and hospitalization in Chicago, Illinois. Annals of Epidemiology, 2022, 76, 165-173.	1.9	4
34	Building and experimenting with an agent-based model to study the population-level impact of CommunityRx, a clinic-based community resource referral intervention. PLoS Computational Biology, 2021, 17, e1009471.	3.2	3
35	Endogenous Social Networks from Large-Scale Agent-Based Models. , 2017, , .		2
36	Hybrid Simulation Development â€" Is It Just Analytics?. , 2019, , .		2

#	Article	IF	Citations
37	Characterization and Valuation of the Uncertainty of Calibrated Parameters in Microsimulation Decision Models. Frontiers in Physiology, 2022, 13, .	2.8	1