

# Amarnath Andy Banerjee

## List of Publications by Year in descending order

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Version: 2024-02-01

52  
papers

520  
citations

567144

15  
h-index

713332

21  
g-index

54  
all docs

54  
docs citations

54  
times ranked

444  
citing authors

#	ARTICLE	IF	CITATIONS
1	An introductory guide for hybrid simulation modelers on the primary simulation methods in industrial engineering identified through a systematic review of the literature. <i>Computers and Industrial Engineering</i> , 2018, 124, 474-492.	3.4	51
2	Tool path generation and tolerance analysis for free-form surfaces. <i>International Journal of Machine Tools and Manufacture</i> , 2007, 47, 689-696.	6.2	47
3	Agent-based discrete-event simulation model for no-notice natural disaster evacuation planning. <i>Computers and Industrial Engineering</i> , 2019, 129, 44-55.	3.4	39
4	Robust manufacturing system design using multi objective genetic algorithms, Petri nets and Bayesian uncertainty representation. <i>Journal of Manufacturing Systems</i> , 2013, 32, 315-324.	7.6	35
5	A disaster evacuation network model for transporting multiple priority evacuees. <i>IIE Transactions</i> , 2015, 47, 1287-1299.	2.1	32
6	A behavioral scene graph for rule enforcement in interactive virtual assembly sequence planning. <i>Computers in Industry</i> , 2000, 42, 147-157.	5.7	24
7	Collaborative intelligent CAD framework incorporating design history tracking algorithm. <i>CAD Computer Aided Design</i> , 2010, 42, 1125-1142.	1.4	24
8	Tool path generation for free form surfaces using BÄzier curves/surfaces. <i>Computers and Industrial Engineering</i> , 2007, 52, 486-501.	3.4	20
9	A self-configurable large-scale virtual manufacturing environment for collaborative designers. <i>Virtual Reality</i> , 2011, 15, 21-40.	4.1	20
10	Assembly Planning Effectiveness Using Virtual Reality. <i>Presence: Teleoperators and Virtual Environments</i> , 1999, 8, 204-217.	0.3	18
11	A behavioral layer architecture for telecollaborative virtual manufacturing operations. <i>IEEE Transactions on Automation Science and Engineering</i> , 2000, 16, 218-227.	2.4	18
12	Leveraging ownersâ€™ flexibility in smart charge/discharge scheduling of electric vehicles to support renewable energy integration. <i>Computers and Industrial Engineering</i> , 2020, 149, 106762.	3.4	18
13	Clinical decision support: Converging toward an integrated architecture. <i>Journal of Biomedical Informatics</i> , 2012, 45, 1009-1017.	2.5	17
14	Evaluation of statistical process control procedures to monitor feeding behavior patterns and detect onset of bovine respiratory disease in growing bulls. <i>Journal of Animal Science</i> , 2019, 97, 1158-1170.	0.2	16
15	Executable design and control framework using reconfigurable manufacturing holons and its evolution algorithm. <i>International Journal of Production Research</i> , 2011, 49, 1405-1423.	4.9	15
16	Dynamic control of the batch processor in a serial-batch processor system with mean tardiness performance. <i>International Journal of Production Research</i> , 2010, 48, 1339-1359.	4.9	13
17	Intelligent scheduling and motion control for household vacuum cleaning robot system using simulation based optimization. , 2015, , .		12
18	Comparison of a branch-and-bound heuristic, a newsvendor-based heuristic and periodic Bailey rules for outpatients appointment scheduling systems. <i>Journal of the Operational Research Society</i> , 2016, 67, 576-592.	2.1	11

#	ARTICLE	IF	CITATIONS
19	A modular petri net based architecture to model manufacturing systems exhibiting resource and timing uncertainties. , 2009, , .		7
20	A closed-loop control architecture for CAM accounting for shop floor uncertainties. Journal of Manufacturing Systems, 2008, 27, 166-175.	7.6	6
21	Heuristic/meta-heuristic methods for restricted bin packing problem. Journal of Heuristics, 2020, 26, 637-662.	1.1	6
22	AN AUTOMATED 3D FACILITIES PLANNING AND OPERATIONS MODEL GENERATOR FOR SYNTHESIZING GENERIC MANUFACTURING OPERATIONS IN VIRTUAL REALITY. Journal of Advanced Manufacturing Systems, 2002, 01, 5-17.	0.4	5
23	Reducing pediatric medication errors: A survey and taxonomy. IIE Transactions on Healthcare Systems Engineering, 2012, 2, 142-155.	0.8	5
24	Effect of upstream re-sequencing in controlling cycle time performance of batch processors. Computers and Industrial Engineering, 2015, 88, 206-216.	3.4	5
25	Transient Queueing Analysis for Emergency Hospital Management. IIE Transactions on Healthcare Systems Engineering, 0, , 1-20.	1.2	5
26	Optimization-based planning heuristic for material flow congestion avoidance in conveyor network design. Production Planning and Control, 1999, 10, 181-193.	5.8	4
27	Non-rigid body object tracking using fuzzy neural system based on multiple ROIs and adaptive motion frame method. , 2009, , .		4
28	Modeling and representation of manufacturing process with uncertainties using parametric modular design and xPNML. , 2009, , .		4
29	A new dynamic scheduling for batch processing systems using stochastic utility evaluation function. , 2011, , .		4
30	Representation and simulation of stochastic petrinet models using XPNML. , 2007, , .		3
31	Representation, simulation and control of manufacturing process with different forms of uncertainties. , 2009, , .		3
32	A study on the management of a discrete event simulation project in a manufacturing company with PMBOK®. , 2016, , .		3
33	An agent-based model to investigate behavior impacts on vector-borne disease spread. , 2017, , .		3
34	METHODOLOGY FOR THE MANAGEMENT OF DISCRETE EVENT SIMULATION PROJECTS BASED ON PMBOK®: ACTION RESEARCH IN A HIGH-TECH COMPANY. , 2018, , .		3
35	Streamlining physician peer review process and capacity prediction using simulation. International Journal of Collaborative Enterprise, 2010, 1, 273.	0.2	2
36	An agent-based discrete event simulation approach for modeling large-scale disaster evacuation network. , 2014, , .		2

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37	A modeling language generator for a discrete event simulation language in MATLAB. , 2016, , .		2
38	Analysis of communication management in a discrete event simulation project in an high-tech manufacturing company. , 2017, , .		2
39	A Virtual Reality Based Decision Support Framework for Manufacturing Simulation. , 2003, , .		2
40	Agent-based simulation of cross-contamination of <i>Escherichia coli</i> O157:H7 on lettuce during processing and temperature fluctuations during storage in a produce facility. Part 2: Model implementation. Journal of Food Process Engineering, 2022, 45, .	1.5	2
41	Agent-based simulation of cross-contamination of <i>Escherichia coli</i> O157:H7 On lettuce during processing with temperature fluctuations during storage in a produce facility. Part 1: Model development. Journal of Food Process Engineering, 2022, 45, .	1.5	2
42	Tele-immersive product evaluation: a review and an implementation framework. Robotics and Computer-Integrated Manufacturing, 2000, 16, 181-190.	6.1	1
43	Utility-based dynamic control of batch processing systems. , 2010, , .		1
44	A large-scale distributed decision-making procedure for a single-machine scheduling problem. International Journal of Production Research, 2012, 50, 5795-5808.	4.9	1
45	An executable modelling and simulation framework for NP-complete complexity problems and different forms of uncertainties. International Journal of Services Operations and Informatics, 2012, 7, 1.	0.2	1
46	Healthcare systems. Industrial Innovation Series, 2013, , 259-276.	0.2	1
47	A Stochastic Programming Model for Service Scheduling with Uncertain Demand: an Application in Open-Access Clinic Scheduling. SN Operations Research Forum, 2021, 2, 1.	0.6	1
48	Executable simulation lifecycle management framework using extensible and interoperable simulation language. , 2012, , .		0
49	A Statistical Examination of Distinct Characteristics Influencing the Performance of Vector-Borne Epidemiological Agent-Based Simulation Models. Modelling, 2021, 2, 166-196.	0.8	0
50	A Decision Support System for Integrating Real-time Manufacturing Control with a Virtual Environment. , 2004, , 83-95.		0
51	Enhancing Learning Through an Interprofessional Project Competition. Journal of Nursing Education, 2012, 51, 706-709.	0.4	0
52	Bridging the Gap Between Human Factors and Epidemiological Models: Recommendations for Future Research. Advances in Intelligent Systems and Computing, 2018, , 352-363.	0.5	0