Amarnath Andy Banerjee

List of Publications by Year
in descending order

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	Agent‐based simulation of cross‐contamination of *Escherichia coli* ‰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
2	Agent‐based simulation of cross‐contamination of *Escherichia coli* ‰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
3	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
4	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
5	Leveraging owners' flexibility in smart charge/discharge scheduling of electric vehicles to support renewable energy integration. Computers and Industrial Engineering, 2020, 149, 106762.	3.4	18
6	Heuristic/meta-heuristic methods for restricted bin packing problem. Journal of Heuristics, 2020, 26, 637-662.	1.1	6
7	Agent-based discrete-event simulation model for no-notice natural disaster evacuation planning. Computers and Industrial Engineering, 2019, 129, 44-55.	3.4	39
8	Evaluation of statistical process control procedures to monitor feeding behavior patterns and detect onset of bovine respiratory disease in growing bulls. Journal of Animal Science, 2019, 97, 1158-1170.	0.2	16
9	METHODOLOGY FOR THE MANAGEMENT OF DISCRETE EVENT SIMULATION PROJECTS BASED ON PMBOK[®]: ACTION RESEARCH IN A HIGH-TECH COMPANY. , 2018, , .		3
10	An introductory guide for hybrid simulation modelers on the primary simulation methods in industrial engineering identified through a systematic review of the literature. Computers and Industrial Engineering, 2018, 124, 474-492.	3.4	51
11	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
12	Analysis of communication management in a discrete event simulation project in an high-tech manufacturing company. , 2017, , .		2
13	An agent-based model to investigate behavior impacts on vector-borne disease spread. , 2017, , .		3
14	A study on the management of a discrete event simulation project in a manufacturing company with PMBOK®. , 2016, , .		3
15	A modeling language generator for a discrete event simulation language in MATLAB. , 2016, , .		2
16	Comparison of a branch-and-bound heuristic, a newsvendor-based heuristic and periodic Bailey rules for outpatients appointment scheduling systems. Journal of the Operational Research Society, 2016, 67, 576-592.	2.1	11
17	Intelligent scheduling and motion control for household vacuum cleaning robot system using simulation based optimization. , 2015, , .		12
18	Effect of upstream re-sequencing in controlling cycle time performance of batch processors. Computers and Industrial Engineering, 2015, 88, 206-216.	3.4	5

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19	A disaster evacuation network model for transporting multiple priority evacuees. IIE Transactions, 2015, 47, 1287-1299.	2.1	32
20	An agent-based discrete event simulation approach for modeling large-scale disaster evacuation network. , 2014, , .		2
21	Robust manufacturing system design using multi objective genetic algorithms, Petri nets and Bayesian uncertainty representation. Journal of Manufacturing Systems, 2013, 32, 315-324.	7.6	35
22	Healthcare systems. Industrial Innovation Series, 2013, , 259-276.	0.2	1
23	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
24	Executable simulation lifecycle management framework using extensible and interoperable simulation language. , 2012, , .		0
25	Reducing pediatric medication errors: A survey and taxonomy. IIE Transactions on Healthcare Systems Engineering, 2012, 2, 142-155.	0.8	5
26	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
27	Clinical decision support: Converging toward an integrated architecture. Journal of Biomedical Informatics, 2012, 45, 1009-1017.	2.5	17
28	Enhancing Learning Through an Interprofessional Project Competition. Journal of Nursing Education, 2012, 51, 706-709.	0.4	0
29	A new dynamic scheduling for batch processing systems using stochastic utility evaluation function. , 2011, , .		4
30	A self-configurable large-scale virtual manufacturing environment for collaborative designers. Virtual Reality, 2011, 15, 21-40.	4.1	20
31	Executable design and control framework using reconfigurable manufacturing holons and its evolution algorithm. International Journal of Production Research, 2011, 49, 1405-1423.	4.9	15
32	Streamlining physician peer review process and capacity prediction using simulation. International Journal of Collaborative Enterprise, 2010, 1, 273.	0.2	2
33	Collaborative intelligent CAD framework incorporating design history tracking algorithm. CAD Computer Aided Design, 2010, 42, 1125-1142.	1.4	24
34	Dynamic control of the batch processor in a serial-batch processor system with mean tardiness performance. International Journal of Production Research, 2010, 48, 1339-1359.	4.9	13
35	Utility-based dynamic control of batch processing systems. , 2010, , .		1
36	Representation, simulation and control of manufacturing process with different forms of uncertainties. , 2009, , .		3

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37	Non-rigid body object tracking using fuzzy neural system based on multiple ROIs and adaptive motion frame method. , 2009, , .		4
38	Modeling and representation of manufacturing process with uncertainties using parametric modular design and xPNML. , 2009, , .		4
39	A modular petri net based architecture to model manufacturing systems exhibiting resource and timing uncertainties. , 2009, , .		7
40	A closed-loop control architecture for CAM accounting for shop floor uncertainties. Journal of Manufacturing Systems, 2008, 27, 166-175.	7.6	6
41	Representation and simulation of stochastic petrinet models using XPNML. , 2007, , .		3
42	Tool path generation for free form surfaces using Bézier curves/surfaces. Computers and Industrial Engineering, 2007, 52, 486-501.	3.4	20
43	Tool path generation and tolerance analysis for free-form surfaces. International Journal of Machine Tools and Manufacture, 2007, 47, 689-696.	6.2	47
44	A Decision Support System for Integrating Real-time Manufacturing Control with a Virtual Environment. , 2004, , 83-95.		0
45	A Virtual Reality Based Decision Support Framework for Manufacturing Simulation. , 2003, , .		2
46	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
47	Tele-immersive product evaluation: a review and an implementation framework. Robotics and Computer-Integrated Manufacturing, 2000, 16, 181-190.	6.1	1
48	A behavioral scene graph for rule enforcement in interactive virtual assembly sequence planning. Computers in Industry, 2000, 42, 147-157.	5.7	24
49	A behavioral layer architecture for telecollaborative virtual manufacturing operations. IEEE Transactions on Automation Science and Engineering, 2000, 16, 218-227.	2.4	18
50	Assembly Planning Effectiveness Using Virtual Reality. Presence: Teleoperators and Virtual Environments, 1999, 8, 204-217.	0.3	18
51	Optimization-based planning heuristic for material flow congestion avoidance in conveyor network design. Production Planning and Control, 1999, 10, 181-193.	5.8	4
52	Transient Queueing Analysis for Emergency Hospital Management. IISE Transactions on Healthcare Systems Engineering, 0, , 1-20.	1.2	5