David Ben-Arieh

List of Publications by Year
in descending order

27 papers	518 citations	759055 12 h-index	677027 22 g-index
27 all docs	27 docs citations	27 times ranked	506 citing authors

#	Article	IF	Citations
1	Minimum Cost Consensus With Quadratic Cost Functions. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2009, 39, 210-217.	3.4	198
2	Geometric Modeling of Highways Using Global Positioning System Data and B -Spline Approximation. Journal of Transportation Engineering, 2004, 130, 632-636.	0.9	48
3	Zoonotic visceral leishmaniasis transmission: modeling, backward bifurcation, and optimal control. Journal of Mathematical Biology, 2016, 73, 1525-1560.	0.8	40
4	Agent-Based Model: A Surging Tool to Simulate Infectious Diseases in the Immune System. Open Journal of Modelling and Simulation, 2014, 02, 12-22.	0.7	30
5	Mathematical Model of Innate and Adaptive Immunity of Sepsis: A Modeling and Simulation Study of Infectious Disease. BioMed Research International, 2015, 2015, 1-31.	0.9	23
6	Modeling learning and forgetting processes with the corresponding impacts on human behaviors in infectious disease epidemics. Computers and Industrial Engineering, 2019, 129, 563-577.	3.4	23
7	An Agent-Based Model of a Hepatic Inflammatory Response to Salmonella: A Computational Study under a Large Set of Experimental Data. PLoS ONE, 2016, 11, e0161131.	1.1	21
8	Modeling individual fear factor with optimal control in a disease-dynamic system. Chaos, Solitons and Fractals, 2017, 104, 531-545.	2.5	18
9	Modeling infection spread and behavioral change using spatial games. Health Systems, 2015, 4, 41-53.	0.9	16
10	A memetic algorithm for solving optimal control problems of Zika virus epidemic with equilibriums and backward bifurcation analysis. Communications in Nonlinear Science and Numerical Simulation, 2020, 84, 105176.	1.7	15
11	Simultaneous optimization of parts and operations sequences in SSMS: a chaos embedded Taguchi particle swarm optimization approach. Journal of Intelligent Manufacturing, 2010, 21, 335-353.	4.4	14
12	Web-based cost estimation of machining rotational parts. Production Planning and Control, 2003, 14, 778-788.	5.8	13
13	Modeling Behavioral Response to Vaccination Using Public Goods Game. IEEE Transactions on Computational Social Systems, 2019, 6, 268-276.	3.2	10
14	Risk perception and human behaviors in epidemics. IISE Transactions on Healthcare Systems Engineering, 2018, 8, 315-328.	1.2	9
15	Learning-based impulse control with event-triggered conditions for an epidemic dynamic system. Communications in Nonlinear Science and Numerical Simulation, 2022, 108, 106204.	1.7	8
16	An Autonomous Multi-Agent Simulation Model for Acute Inflammatory Response. International Journal of Artificial Life Research, 2011, 2, 105-121.	0.1	6
17	Game Theoretic Modeling of Infectious Disease Transmission with Delayed Emergence of Symptoms. Games, 2020, 11, 20.	0.4	6
18	A new zoonotic visceral leishmaniasis dynamic transmission model with age-structure. Chaos, Solitons and Fractals, 2020, 133, 109622.	2.5	5

#	Article	IF	Citations
19	Analogy-Based Multiple Process Planning System with Resource Conflicts. Flexible Services and Manufacturing Journal, 1999, 11, 63-82.	0.4	4
20	A preliminary study of sepsis progression in an animal model using agent-based modeling. International Journal of Modelling and Simulation, 2016, 36, 44-54.	2.3	4
21	Mathematical Model for Two-Spotted Spider Mites System: Verification and Validation. Open Journal of Modelling and Simulation, 2017, 05, 13-31.	0.7	4
22	Remote Cost Estimation of Machined Parts. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2001, 34, 97-102.	0.4	1
23	Mathematical Modeling of Innate Immunity Responses of Sepsis: Modeling and Computational Studies. , 2016, , 221-259.		1
24	Using spatial games to model and simulate tomato spotted wilt virus-western flowers thrip dynamic system. International Journal of Modelling and Simulation, 0, , 1-11.	2.3	1
25	Geometrical reasoning based on attributed graph grammar for prismatic parts. IIE Transactions, 1999, 31, 61-74.	2.1	0
26	Geometrical reasoning based on attributed graph grammar for prismatic parts. IIE Transactions, 1999, 31, 61-74.	2.1	0
27	Using spatial games to model dynamic evolutionary systems. Mathematical and Computer Modelling of Dynamical Systems, 2018, 24, 296-313.	1.4	0