

# Zaer S Abo-Hammour

## List of Publications by Year in descending order

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29  
papers

2,533  
citations

777949

13  
h-index

685536

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g-index

29  
all docs

29  
docs citations

29  
times ranked

3071  
citing authors

#	ARTICLE	IF	CITATIONS
1	Improving Genetic Algorithms for Optimal Land-Use Allocation. Journal of the Urban Planning and Development Division, ASCE, 2021, 147, 04021049.	0.8	8
2	Optimal Design of Lead Compensator Using Nature-Inspired Algorithms. , 2019, , .		6
3	Identification of hysteresis models using real-coded genetic algorithms. European Physical Journal Plus, 2019, 134, 1.	1.2	11
4	Soft Computing Techniques for Reduced Order Modelling: Review and Application. Intelligent Automation and Soft Computing, 2016, 22, 125-142.	1.6	10
5	A Robust Computational Technique for Model Order Reduction of Two-Time-Scale Discrete Systems via Genetic Algorithms. Computational Intelligence and Neuroscience, 2015, 2015, 1-9.	1.1	14
6	Substructure Preservation Sylvester-based Model Order Reduction with Application to Power Systems. Electric Power Components and Systems, 2014, 42, 914-926.	1.0	18
7	Optimization Solution of Troesch's and Bratu's Problems of Ordinary Type Using Novel Continuous Genetic Algorithm. Discrete Dynamics in Nature and Society, 2014, 2014, 1-15.	0.5	126
8	Continuous Genetic Algorithm as a Novel Solver for Stokes and Nonlinear Navier Stokes Problems. Mathematical Problems in Engineering, 2014, 2014, 1-18.	0.6	7
9	PARTICLE SWARM OPTIMIZATION FOR MOR OF SINGULARLY PERTURBED SYSTEMS WITH CRITICAL FREQUENCY PRESERVATION AND APPLICATION TO POWER SYSTEMS SIMPLIFIED MODELING. Journal of Circuits, Systems and Computers, 2014, 23, 1450073.	1.0	4
10	Numerical solution of systems of second-order boundary value problems using continuous genetic algorithm. Information Sciences, 2014, 279, 396-415.	4.0	386
11	Application of Continuous Genetic Algorithm for Nonlinear System of Second-Order Boundary Value Problems. Applied Mathematics and Information Sciences, 2014, 8, 235-248.	0.7	26
12	An Optimization Algorithm for Solving Systems of Singular Boundary Value Problems. Applied Mathematics and Information Sciences, 2014, 8, 2809-2821.	0.7	88
13	Invasive weed optimization for model order reduction of linear MIMO systems. Applied Mathematical Modelling, 2013, 37, 4570-4577.	2.2	52
14	A Reliable Analytical Method for Solving Higher-Order Initial Value Problems. Discrete Dynamics in Nature and Society, 2013, 2013, 1-12.	0.5	58
15	A Genetic Algorithm Approach for Prediction of Linear Dynamical Systems. Mathematical Problems in Engineering, 2013, 2013, 1-12.	0.6	1,476
16	Solving Singular Two-Point Boundary Value Problems Using Continuous Genetic Algorithm. Abstract and Applied Analysis, 2012, 2012, 1-25.	0.3	75
17	A robust and efficient genetic algorithm for solving a chemical reactor problem: theory, application and convergence analysis. Transactions of the Institute of Measurement and Control, 2012, 34, 594-603.	1.1	5
18	ARMA model order and parameter estimation using genetic algorithms. Mathematical and Computer Modelling of Dynamical Systems, 2012, 18, 201-221.	1.4	31

#	ARTICLE	IF	CITATIONS
19	Robust model order reduction technique for MIMO systems via ANN-based state residualization. International Journal of Circuit Theory and Applications, 2012, 40, 341-354.	1.3	9
20	ARTIFICIAL NEURAL NETWORK FOR DISCRETE MODEL ORDER REDUCTION WITH FREQUENCY SELECTIVITY. World Scientific Proceedings Series on Computer Engineering and Information Science, 2012, , 1011-1016.	0.1	0
21	A novel continuous genetic algorithm for the solution of optimal control problems. Optimal Control Applications and Methods, 2011, 32, 414-432.	1.3	21
22	Artificial neural network for discrete model order reduction with substructure preservation. Applied Mathematical Modelling, 2011, 35, 4620-4629.	2.2	14
23	Frequency-based model order reduction via genetic algorithm approach. , 2011, , .		10
24	MULTI-TIME-SCALE SYSTEMS MODEL ORDER REDUCTION VIA GENETIC ALGORITHMS WITH EIGENVALUE PRESERVATION. Journal of Circuits, Systems and Computers, 2011, 20, 1403-1418.	1.0	10
25	Genetic algorithm approach with frequency selectivity for model order reduction of MIMO systems. Mathematical and Computer Modelling of Dynamical Systems, 2011, 17, 163-181.	1.4	11
26	A Novel Technique for ARMA Modelling with Order and Parameter Estimation Using Genetic Algorithms. Communications in Computer and Information Science, 2010, , 564-576.	0.4	0
27	Efficient Substructure Preserving MOR Using Real-Time Temporal Supervised Neural Network. Communications in Computer and Information Science, 2010, , 193-202.	0.4	0
28	Numerical solution of second-order, two-point boundary value problems using continuous genetic algorithms. International Journal for Numerical Methods in Engineering, 2004, 61, 1219-1242.	1.5	19
29	Cartesian path generation of robot manipulators using continuous genetic algorithms. Robotics and Autonomous Systems, 2002, 41, 179-223.	3.0	38