Radu-Codrut David

List of Publications by Year
in descending order

36 papers	1,174 citations	623699 14 h-index	713444 21 g-index
38 all docs	38 docs citations	38 times ranked	1136 citing authors

#	Article	IF	Citations
1	Optimal tuning of interval type-2 fuzzy controllers for nonlinear servo systems using Slime Mould Algorithm. International Journal of Systems Science, 2023, 54, 2941-2956.	5.5	86
2	Nature-Inspired Optimization Algorithms for Path Planning and Fuzzy Tracking Control of Mobile Robots. Springer Tracts in Nature-inspired Computing, 2021, , 129-148.	0.7	5
3	Design of Low-Cost Fuzzy Controllers with Reduced Parametric Sensitivity Based on Whale Optimization Algorithm. , 2020, , .		6
4	Whale Optimization Algorithm-Based Tuning of Low-Cost Fuzzy Controllers with Reduced Parametric Sensitivity. , 2020, , .		1
5	First-Order Active Disturbance Rejection-Virtual Reference Feedback Tuning Control of Tower Crane Systems. , 2020, , .		3
6	Fuzzy Control Systems with Reduced Parametric Sensitivity Design Based on Hybrid Grey Wolf Optimizerâ€“Particle Swarm Optimization. , 2020, , .		1
7	Nature-inspired algorithms for the optimal tuning of fuzzy controllers. , 2019, , 55-80.		0
8	Adaptive nature-inspired algorithms for the optimal tuning of fuzzy controllers. , 2019, , 81-101.		0
9	Second Order Intelligent Proportional-Integral Fuzzy Control of Twin Rotor Aerodynamic Systems. Procedia Computer Science, 2018, 139, 372-380.	2.0	69
10	Grey Wolf Optimizer Algorithm-Based Tuning of Fuzzy Control Systems With Reduced Parametric Sensitivity. IEEE Transactions on Industrial Electronics, 2017, 64, 527-534.	7.9	225
11	An Easily Understandable Grey Wolf Optimizer and Its Application to Fuzzy Controller Tuning. Algorithms, 2017, 10, 68.	2.1	44
12	Nature-Inspired Optimization of Fuzzy Controllers and Fuzzy Models. , 2016, , 697-729.		2
13	Grey Wolf Optimizer-Based Approach to the Tuning of Pi-Fuzzy Controllers with a Reduced Process Parametric Sensitivity. IFAC-PapersOnLine, 2016, 49, 55-60.	0.9	80
14	Experiment-based comparison of nature-inspired algorithms for optimal tuning of PI-fuzzy controlled nonlinear DC servo systems. , 2016, , .		0
15	Adaptive hybrid Particle Swarm Optimization-Gravitational Search Algorithm for fuzzy controller tuning. , 2014, , .		8
16	Adaptive GSA-Based Optimal Tuning of PI Controlled Servo Systems With Reduced Process Parametric Sensitivity, Robust Stability and Controller Robustness. IEEE Transactions on Cybernetics, 2014, 44, 1997-2009.	9.5	45
17	Novel Adaptive Charged System Search algorithm for optimal tuning of fuzzy controllers. Expert Systems With Applications, 2014, 41, 1168-1175.	7.6	73
18	An Approach to Fuzzy Modeling of Anti-lock Braking Systems. Advances in Intelligent Systems and Computing, 2014, , 83-93.	0.6	9

#	Article	IF	Citations
19	Adaptive Evolutionary Optimization Algorithms for Simple Fuzzy Controller Tuning Dedicated to Servo Systems. Atlantis Computational Intelligence Systems, 2014, , 159-173.	0.5	0
20	Fuzzy logicâ€based adaptive gravitational search algorithm for optimal tuning of fuzzyâ€controlled servo systems. IET Control Theory and Applications, 2013, 7, 99-107.	2.1	69
21	Gravitational search algorithm-based design of fuzzy control systems with a reduced parametric sensitivity. Information Sciences, 2013, 247, 154-173.	6.9	79
22	Evolutionary optimization-based tuning of low-cost fuzzy controllers for servo systems. Knowledge-Based Systems, 2013, 38, 74-84.	7.1	67
23	Simulated annealing-based optimization of fuzzy models for magnetic levitation systems. , 2013, , .		2
24	Hybrid PSO-GSA robot path planning algorithm in static environments with danger zones. , 2013, , .		15
25	Charged System Search Algorithms for Optimal Tuning of PI Controllers. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 115-120.	0.4	7
26	Novel Adaptive Gravitational Search Algorithm for Fuzzy Controlled Servo Systems. IEEE Transactions on Industrial Informatics, 2012, 8, 791-800.	11.3	102
27	Experimental Results of Model-Based Fuzzy Control Solutions for a Laboratory Antilock Braking System. Advances in Intelligent and Soft Computing, 2012, , 223-234.	0.2	6
28	GSAâ€“Based Training of Convolutional Neural Networks for OCR Applications. Atlantis Computational Intelligence Systems, 2012, , 481-504.	0.5	2
29	Fuzzy Control Systems With Reduced Parametric Sensitivity Based on Simulated Annealing. IEEE Transactions on Industrial Electronics, 2012, 59, 3049-3061.	7.9	72
30	Three Evolutionary Optimization Algorithms in PI Controller Tuning. Topics in Intelligent Engineering and Informatics, 2012, , 95-106.	0.4	2
31	Gravitational Search Algorithms in Fuzzy Control Systems Tuning. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 13624-13629.	0.4	27
32	Parametric sensitivity reduction of PI-based control systems by means of evolutionary optimization algorithms. , 2011, , .		5
33	Stable iterative feedback tuning method for servo systems. , 2011, , .		8
34	Gravitational Search Algorithm-Based Tuning of Fuzzy Control Systems with a Reduced Parametric Sensitivity. Advances in Intelligent and Soft Computing, 2011, , 141-150.	0.2	51
35	Optimal Control Systems with Reduced Parametric Sensitivity Based on Particle Swarm Optimization and Simulated Annealing. Studies in Computational Intelligence, 2011, , 177-207.	0.9	2
36	nDSP: A platform for audiophile software audio processing. , 2010, , .		1