Abdullah AteÅž

List of Publications by Year
in descending order

		840776	610901
47 papers	642 citations	11 h-index	24 g-index
48 all docs	48 docs citations	48 times ranked	413 citing authors

#	ARTICLE	IF	CITATIONS
1	Towards Industrialization of FOPID Controllers: A Survey on Milestones of Fractional-Order Control and Pathways for Future Developments. IEEE Access, 2021, 9, 21016-21042.	4.2	106
2	Auto-tuning of PID controller according to fractional-order reference model approximation for DC rotor control. Mechatronics, 2013, 23, 789-797.	3.3	98
3	Optimal fractional order PID design via Tabu Search based algorithm. ISA Transactions, 2016, 60, 109-118.	5.7	65
4	A numerical investigation for robust stability of fractional-order uncertain systems. ISA Transactions, 2014, 53, 189-198.	5.7	60
5	A stochastic multi-parameters divergence method for online auto-tuning of fractional order PID controllers. Journal of the Franklin Institute, 2014, 351, 2411-2429.	3.4	44
6	Implementation of fractional order filters discretized by modified Fractional Order Darwinian Particle Swarm Optimization. Measurement: Journal of the International Measurement Confederation, 2017, 107, 153-164.	5.0	30
7	Modification of Harris hawks optimization algorithm with random distribution functions for optimum power flow problem. Neural Computing and Applications, 2021, 33, 1959-1985.	5.6	26
8	Time-domain identification of One Noninteger Order Plus Time Delay models from step response measurements. International Journal of Modeling, Simulation, and Scientific Computing, 2019, 10, 1941011.	1.4	24
9	Enhanced equilibrium optimization method with fractional order chaotic and application engineering. Neural Computing and Applications, 2021, 33, 9849-9876.	5.6	18
10	Probabilistic robust stabilization of fractional order systems with interval uncertainty. ISA Transactions, 2015, 57, 101-110.	5.7	17
11	Reference-shaping adaptive control by using gradient descent optimizers. PLoS ONE, 2017, 12, e0188527.	2.5	17
12	Sigmoid based PID controller implementation for rotor control. , 2015, , .		11
13	Online Tuning of Two Degrees of Freedom Fractional Order Control Loops. Balkan Journal of Electrical and Computer Engineering, 2016, 4, .	0.6	11
14	Modified Artificial Physics Optimization for Multi-parameter Functions. Iranian Journal of Science and Technology - Transactions of Electrical Engineering, 2018, 42, 465-478.	2.3	9
15	Fine-Tuning of Feedback Gain Control for Hover Quad Copter Rotors by Stochastic Optimization Methods. Iranian Journal of Science and Technology - Transactions of Electrical Engineering, 2020, 44, 1663-1672.	2.3	9
16	Determination of Economic Leakage Level with Optimization Algorithm in Water Distribution Systems. Water Economics and Policy, 2021, 07, .	1.0	9
17	Disturbance Rejection FOPID Control of Rotor by Multi-Objective BB-BC Optimization Algorithm. , 2017, , .		8
18	Analysis of Economic Leakage Level and Infrastructure Leakage Index Indicator by Applying Active Leakage Control. Journal of Pipeline Systems Engineering and Practice, 2021, 12, 04021046.	1.6	8

#	Article	IF	Citations
19	Tuning of fractional order PID with master-slave stochastic multi-parameter divergence optimization method. , 2014, , .		6
20	An experimental investigation for error-cube PID control. Transactions of the Institute of Measurement and Control, 2015, 37, 652-660.	1.7	6
21	Improvement of IIR filter discretization for fractional order filter by discrete stochastic optimization. , 2016, , .		6
22	Masterâ€"Slave Stochastic Optimization for Model-Free Controller Tuning. Iranian Journal of Science and Technology - Transactions of Electrical Engineering, 2017, 41, 153-163.	2.3	6
23	Modified monarch butterfly optimization with distribution functions and its application for 3 DOF Hover flight system. Neural Computing and Applications, 2022, 34, 3697-3722.	5.6	6
24	Optimization to optimization (OtoO): optimize monarchy butterfly method with stochastics multi-parameter divergence method for benchmark functions and load frequency control. Engineering With Computers, 2022, 38, 1735-1754.	6.1	5
25	Detection of RR interval alterations in ECG signals by using first order fractional filter. , 2016, , .		4
26	Development of a new comprehensive framework for the evaluation of leak management components and practices. Journal of Water Supply: Research and Technology - AQUA, 2022, 71, 642-663.	1.4	4
27	Tabu search algorithm for fractional order PID via nonlinear multi objective functions. , 2014, , .		3
28	Fractional Order Model Identification of Receptor-Ligand Complexes Formation by Equivalent Electrical Circuit Modeling. , 2019, , .		3
29	Multi-loop Model Reference Adaptive PID Control for Fault-Tolerance. Balkan Journal of Electrical and Computer Engineering, 2019, 7, 276-285.	0.6	3
30	Effects of fractional order integration on ASDM signals. International Journal of Dynamics and Control, 2017, 5, 10-17.	2.5	2
31	Optimization of the FO[PI] Controller for MTDS Using MAPO with Multi Objective Function. SSRN Electronic Journal, 2018, , .	0.4	2
32	PID2018 Benchmark Challenge: Model Predictive Control With Conditional Integral Control Using A General Purpose Optimal Control Problem Solver â€" RIOTS.. IFAC-PapersOnLine, 2018, 51, 882-887.	0.9	2
33	PID2018 Benchmark Challenge: Model-based Feedforward Compensator with A Conditional Integrator âŽ âŽThis work was supported by China Scholarship Council (CSC) under Grant(201606090086).. IFAC-PapersOnLine, 2018, 51, 888-893.	0.9	2
34	Development of current condition assessment and target definition model for water balance practices in sustainable water loss management. Water Science and Technology: Water Supply, 2022, 22, 5028-5043.	2.1	2
35	Analyzing the economic water loss level with a discrete stochastic optimization algorithm by considering budget constraints. Journal of Water Supply: Research and Technology - AQUA, 2022, 71, 835-848.	1.4	2
36	Optimization of LQR weight matrix to control three degree of freedom quadcopter. , 2017, , .		1

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37	PID2018 Benchmark Challenge: Multi-Objective Stochastic Optimization Algorithm. IFAC-PapersOnLine, 2018, 51, 877-881.	0.9	1
38	PID2018 Benchmark Challenge: learning feedforward control âŽ âŽCorresponding author: Professor YangQuan Chen (yqchen@ieee.org). Y. Zhao and J. Yuan are supported by China Scholarship Council.. IFAC-PapersOnLine, 2018, 51, 663-668.	0.9	1
39	Two degrees of freedom FOPID control loop design via SMDO algorithm. Pamukkale University Journal of Engineering Sciences, 2016, 22, 671-676.	0.4	1
40	Image processing based object tracking application with fractional-order model reference controller. Pamukkale University Journal of Engineering Sciences, 2016, 22, 659-665.	0.4	1
41	Fractional Order Filter Discretization by Particle Swarm Optimization Method. Advances in Dynamics, Patterns, Cognition, 2019, , 133-144.	0.3	0
42	Farklı Sensörlerle Yancı Gazların Ölçülmesi ve Dinamik Modellenmesi. , 2019, , .		0
43	ENDÜSTRİYEL BİYOLOJİK FERMANTASYON İŞLEMİ İÃ‡İN DENGE OPTİMİZASYON ALGORİTMASIYLA KONTROLÖR TASARIMI. Konya Journal of Engineering Sciences, 2021, 9, 164-179.	0.3	0
44	Optimizasyonun Optimizasyonu Yaklaşımıyla Dağılım Fonksiyonu Tabanlı Kral Kelebeği Optimizasyon Algoritmasının Performansının Artırılması. Bilgisayar Bilimleri, 0, , .	0.0	0
45	Performance Analysis of SMDO Method with Benchmark Functions with Matlab Toolbox. Journal of the Institute of Science and Technology, 0, , 2451-2460.	0.9	0
46	Analyzing of Usage Effect of the Distribution Functions for SMDO Algorithm via Benchmark Function with Matlab Toolbox. DÜMF Mühendislik Dergisi, 2020, 11, 989-998.	0.2	0
47	Value Set-Based Numerical Analysis of Robust Stability for Fractional-Order Retarded Quasi-Polynomials with Uncertain Parameters and Uncertain Fractional Orders. Lecture Notes in Networks and Systems, 2021, , 18-23.	0.7	0