Serhat Duman

List of Publications by Year
in descending order

42 papers	1,777 citations	411340 20 h-index	445137 33 g-index
43 all docs	43 docs citations	43 times ranked	1286 citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic FDB selection method and its application: modeling and optimizing of directional overcurrent relays coordination. Applied Intelligence, 2022, 52, 4873-4908.	3.3	26
2	Optimization of Optimal Power Flow Problem Using Multi-Objective Manta Ray Foraging Optimizer. Applied Soft Computing Journal, 2022, 116, 108334.	4.1	64
3	A powerful meta-heuristic search algorithm for solving global optimization and real-world solar photovoltaic parameter estimation problems. Engineering Applications of Artificial Intelligence, 2022, 111, 104763.	4.3	35
4	Improved LÃ©vy flight distribution algorithm with FDB-based guiding mechanism for AVR system optimal design. Computers and Industrial Engineering, 2022, 168, 108032.	3.4	21
5	Prediction of electricity energy consumption including <scp>COVID</scp>â€19 precautions using the hybrid <scp>MLRâ€FFANN</scp> optimized with the stochastic fractal search with fitness distance balance algorithm. Concurrency Computation Practice and Experience, 2022, 34, e6947.	1.4	3
6	Levy Flight and Fitness Distance Balance-Based Coyote Optimization Algorithm for Effective Automatic Generation Control of PV-Based Multi-Area Power Systems. Arabian Journal for Science and Engineering, 2022, 47, 14757-14788.	1.7	9
7	Optimal power flow solution with stochastic wind power using the LÃ©vy coyote optimization algorithm. Neural Computing and Applications, 2021, 33, 6775-6804.	3.2	38
8	Optimal Power Flow Using Manta Ray Foraging Optimization. Lecture Notes on Data Engineering and Communications Technologies, 2021, , 136-149.	0.5	6
9	AC optimal power flow with thermalâ€"windâ€"solarâ€"tidal systems using the symbiotic organisms search algorithm. IET Renewable Power Generation, 2021, 15, 278-296.	1.7	32
10	Development of a LÃ©vy flight and FDB-based coyote optimization algorithm for global optimization and real-world ACOPF problems. Soft Computing, 2021, 25, 6577-6617.	2.1	32
11	Symbiotic organisms search algorithm-based security-constrained ACâ€"DC OPF regarding uncertainty of wind, PV and PEV systems. Soft Computing, 2021, 25, 9389-9426.	2.1	7
12	Manta ray foraging optimization algorithmâ€"based feedforward neural network for electric energy consumption forecasting. International Transactions on Electrical Energy Systems, 2021, 31, e12999.	1.2	8
13	Fitnessâ€"Distance Balance based adaptive guided differential evolution algorithm for security-constrained optimal power flow problem incorporating renewable energy sources. Applied Soft Computing Journal, 2021, 108, 107421.	4.1	64
14	Development of the Multi-Objective Adaptive Guided Differential Evolution and optimization of the MO-ACOPF for wind/PV/tidal energy sources. Applied Soft Computing Journal, 2021, 112, 107814.	4.1	41
15	Optimal Coordination of Directional Overcurrent Relays Using Artificial Ecosystem-Based Optimization. Lecture Notes on Data Engineering and Communications Technologies, 2021, , 150-164.	0.5	2
16	Investigation the Success of Semidefinite Programming for the Estimating of Fuel Cost Curves in Thermal Power Plants. Journal of Polytechnic, 2021, 24, 247-254.	0.4	1
17	Optimal power flow with stochastic wind power and FACTS devices: a modified hybrid PSOGSA with chaotic maps approach. Neural Computing and Applications, 2020, 32, 8463-8492.	3.2	46
18	Optimal power flow of power systems with controllable windâ€photovoltaic energy systems via differential evolutionary particle swarm optimization. International Transactions on Electrical Energy Systems, 2020, 30, e12270.	1.2	40

#	Article	IF	Citations
19	Energy Hub Economic Dispatch by Symbiotic Organisms Search Algorithm. Lecture Notes on Data Engineering and Communications Technologies, 2020, , 375-385.	0.5	3
20	Moth Swarm Algorithm Based Approach for the ACOPF Considering Wind and Tidal Energy. Lecture Notes on Data Engineering and Communications Technologies, 2020, , 830-843.	0.5	4
21	Solution of the Optimal Power Flow Problem Considering FACTS Devices by Using Lightning Search Algorithm. Iranian Journal of Science and Technology - Transactions of Electrical Engineering, 2019, 43, 969-997.	1.5	8
22	A novel MPPT algorithm based on optimized artificial neural network by using FPSOGSA for standalone photovoltaic energy systems. Neural Computing and Applications, 2018, 29, 257-278.	3.2	31
23	Symbiotic organisms search optimization algorithm for economic/emission dispatch problem in power systems. Neural Computing and Applications, 2018, 29, 721-737.	3.2	60
24	A Modified Moth Swarm Algorithm Based on an Arithmetic Crossover for Constrained Optimization and Optimal Power Flow Problems. IEEE Access, 2018, 6, 45394-45416.	2.6	39
25	EKONOMÄ°K EMÄ°SYON YÃœK DAÄŸITIMI PROBLEMÄ° Ä°Ã‡Ä°N KAOTÄ°K YILDIRIM ARAMA ALGORÄ°TMASI. MÃ¼hendislik Bilimleri Ve TasarÄ±m Dergisi, 2018, 6, 42-53.	0.1	0
26	FACTS CihazlarÄ±nÄ± Ä°Ã§eren Reaktif GÃ¼Ã§ Planlama Probleminin Hibrit PSOGSA AlgoritmasÄ± Kullanarak Ã‡Ã¶zÃ¼lmesi. DÃ¼zce Ãœniversitesi Bilim Ve Teknoloji Dergisi, 2018, 6, 1234-1257.	0.2	1
27	Symbiotic organisms search algorithm for optimal power flow problem based on valve-point effect and prohibited zones. Neural Computing and Applications, 2017, 28, 3571-3585.	3.2	85
28	Symbiotic organisms search algorithm for dynamic economic dispatch with valve-point effects. Journal of Experimental and Theoretical Artificial Intelligence, 2017, 29, 495-515.	1.8	35
29	Chaotic Moth Swarm Algorithm. , 2017, , .		11
30	Stochastic fractal search with chaos. , 2017, , .		4
31	Symbiotic Organisms Search algorithm for economic load dispatch problem with valve-point effect. Scientia Iranica, 2017, .	0.3	5
32	Gravitational search algorithm for determining controller parameters in an automatic voltage regulator system. Turkish Journal of Electrical Engineering and Computer Sciences, 2016, 24, 2387-2400.	0.9	35
33	Application of Symbiotic Organisms Search Algorithm to solve various economic load dispatch problems. , 2016, , .		8
34	Optimal scheduling of short-term hydrothermal generation using symbiotic organisms search algorithm. , 2016, , .		7
35	A novel modified hybrid PSOGSA based on fuzzy logic for non-convex economic dispatch problem with valve-point effect. International Journal of Electrical Power and Energy Systems, 2015, 64, 121-135.	3.3	86
36	A novel FACTS based on modulated power filter compensator for wind-grid energy systems. , 2014, , .		2

#	Article	IF	Citations
37	Optimal reactive power dispatch using a gravitational search algorithm. IET Generation, Transmission and Distribution, 2012, 6, 563.	1.4	197
38	Optimal power flow incorporating FACTS devices using Gravitational Search Algorithm. , 2012, , .		17
39	Load frequency control of a single area power system using Gravitational Search Algorithm. , 2012, , .		17
40	Combined economic and emission dispatch solution using gravitational search algorithm. Scientia Iranica, 2012, 19, 1754-1762.	0.3	202
41	Optimal power flow using gravitational search algorithm. Energy Conversion and Management, 2012, 59, 86-95.	4.4	420
42	Application of gravitational search algorithm for optimal reactive power dispatch problem. , 2011, , .		24