

Hamdi Tolga Kahraman

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

875
citations

567144

15
h-index

610775

24
g-index

50
all docs

50
docs citations

50
times ranked

484
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic FDB selection method and its application: modeling and optimizing of directional overcurrent relays coordination. <i>Applied Intelligence</i> , 2022, 52, 4873-4908.	3.3	26
2	Optimization of Optimal Power Flow Problem Using Multi-Objective Manta Ray Foraging Optimizer. <i>Applied Soft Computing Journal</i> , 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. <i>Engineering Applications of Artificial Intelligence</i> , 2022, 111, 104763.	4.3	35
4	Improved Lévy flight distribution algorithm with FDB-based guiding mechanism for AVR system optimal design. <i>Computers and Industrial Engineering</i> , 2022, 168, 108032.	3.4	21
5	A comprehensive performance analysis of meta-heuristic optimization techniques for effective organic rankine cycle design. <i>Applied Thermal Engineering</i> , 2022, 213, 118687.	3.0	5
6	A novel stochastic fractal search algorithm with fitness-Distance balance for global numerical optimization. <i>Swarm and Evolutionary Computation</i> , 2021, 61, 100821.	4.5	62
7	Development of a Lévy flight and FDB-based coyote optimization algorithm for global optimization and real-world ACOF problems. <i>Soft Computing</i> , 2021, 25, 6577-6617.	2.1	32
8	Fitness-Distance Balance based adaptive guided differential evolution algorithm for security-constrained optimal power flow problem incorporating renewable energy sources. <i>Applied Soft Computing Journal</i> , 2021, 108, 107421.	4.1	64
9	Development of the Multi-Objective Adaptive Guided Differential Evolution and optimization of the MO-ACOPF for wind/PV/tidal energy sources. <i>Applied Soft Computing Journal</i> , 2021, 112, 107814.	4.1	41
10	Fitness-distance balance (FDB): A new selection method for meta-heuristic search algorithms. <i>Knowledge-Based Systems</i> , 2020, 190, 105169.	4.0	113
11	Investigation of the Most Effective Meta-Heuristic Optimization Technique for Constrained Engineering Problems. <i>Lecture Notes on Data Engineering and Communications Technologies</i> , 2020, , 484-501.	0.5	3
12	Analysis, Test and Management of the Meta-Heuristic Searching Process: An Experimental Study on SOS. <i>Journal of Polytechnic</i> , 2020, 23, 445-455.	0.4	2
13	Importance of Power Flow and Load Analysis in Pre-Installation Power Systems. , 2019, , .		2
14	Symbiotic organisms search optimization algorithm for economic/emission dispatch problem in power systems. <i>Neural Computing and Applications</i> , 2018, 29, 721-737.	3.2	60
15	Disturbance Rejection Effect of PIDA Controller Designed via SOS Algorithm. , 2018, , .		1
16	Determination of the Effects of Penalty Coefficient on the Meta-Heuristic Optimization Process. , 2018, , .		2
17	Comparison of Pooling Methods for Handwritten Digit Recognition Problem. , 2018, , .		3
18	Haar Wavelet Neural Network Model. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
19	Meta-sezgisel Algoritmaların Çok Boyutlu Problem Uzaylarındaki Arama Performanslarındaki Araştırılması, 2018, , .		0
20	Passive Mine Detection and Classification Method Based on Hybrid Model. IEEE Access, 2018, 6, 47870-47888.	2.6	12
21	Detection and Classification of Ring Failures by Artificial Neural Networks in Bearings. , 2018, , 31-35.		0
22	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
23	Exploring the effect of distribution methods on meta-heuristic searching process. , 2017, , .		3
24	Symbiotic Organisms Search algorithm for economic load dispatch problem with valve-point effect. Scientia Iranica, 2017, .	0.3	5
25	Applying the Meta-heuristic Prediction Algorithm for Modeling Power Density in Wind Power Plant. , 2016, , .		2
26	Application of Symbiotic Organisms Search Algorithm to solve various economic load dispatch problems. , 2016, , .		8
27	Developing of decision support system for land mine classification by meta-heuristic classifier. , 2016, , .		2
28	Novel User Modeling Approaches for Personalized Learning Environments. International Journal of Information Technology and Decision Making, 2016, 15, 575-602.	2.3	4
29	Optimal scheduling of short-term hydrothermal generation using symbiotic organisms search algorithm. , 2016, , .		7
30	A novel and powerful hybrid classifier method: Development and testing of heuristic k-nn algorithm with fuzzy distance metric. Data and Knowledge Engineering, 2016, 103, 44-59.	2.1	19
31	A comparative study on novel machine learning algorithms for estimation of energy performance of residential buildings. , 2015, , .		6
32	Metaheuristic linear modeling technique for estimating the excitation current of a synchronous motor. Turkish Journal of Electrical Engineering and Computer Sciences, 2014, 22, 1637-1652.	0.9	14
33	A novel model for web-based adaptive educational hypermedia systems: SAHM (supervised adaptive) Tj ETQq1 1 0.784314 rgBT /Overlo 2.2 15		
34	The development of intuitive knowledge classifier and the modeling of domain dependent data. Knowledge-Based Systems, 2013, 37, 283-295.	4.0	93
35	Application of Adaptive Artificial Neural Network Method to Model the Excitation Currents of Synchronous Motors. , 2012, , .		11
36	A new approach to predict the excitation current and parameter weightings of synchronous machines based on genetic algorithm-based k-NN estimator. Energy Conversion and Management, 2012, 64, 129-138.	4.4	17

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37	Modeling of meteorological parameters and improving the classification accuracy for the wind turbines. , 2012, , .		2
38	Application of the intuitive k-NN Estimator for prediction of the Marshall Test (ASTM D1559) results for asphalt mixtures. Construction and Building Materials, 2012, 34, 561-569.	3.2	20
39	An Intelligent Decision Support Tool for a Travelling Wave Ultrasonic Motor Based on k-Nearest Neighbor Algorithm. , 2011, , .		1
40	A novel intelligent decision support tool for average wind speed clustering. , 2011, , .		2
41	An intelligent approach for speed stability analysis of a travelling wave ultrasonic motor based on genetic k-NN algorithm. , 2011, , .		2
42	Development of adaptive and intelligent web-based educational systems. , 2010, , .		21
43	Determining Suitability of Locations for Installation of Solar Power Station Based on Probabilistic Inference. , 2010, , .		0
44	Design of an Intelligent Decision Making System for a Travelling Wave Ultrasonic Motor. , 2009, , .		5
45	A Parameter Determination System for Wind Turbines Based on Naive Bayes Classification Algorithm. , 2009, , .		5
46	Development of an Intelligent Decision Support System for Determining the Efficiency of Shunt Active Power Filter. , 2009, , .		2
47	A User Modeling Approach to Web Based Adaptive Educational Hypermedia Systems. , 2008, , .		10
48	A web based adaptive educational system. , 2007, , .		8
49	Clustering Categorical Data Based on Maximal Frequent Itemsets. , 2007, , .		5