

Hamdi Tolga Kahraman

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

875
citations

567281

15
h-index

610901

24
g-index

50
all docs

50
docs citations

50
times ranked

484
citing authors

#	ARTICLE	IF	CITATIONS
1	Fitness-distance balance (FDB): A new selection method for meta-heuristic search algorithms. Knowledge-Based Systems, 2020, 190, 105169.	7.1	113
2	The development of intuitive knowledge classifier and the modeling of domain dependent data. Knowledge-Based Systems, 2013, 37, 283-295.	7.1	93
3	Fitness-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.	7.2	64
4	Optimization of Optimal Power Flow Problem Using Multi-Objective Manta Ray Foraging Optimizer. Applied Soft Computing Journal, 2022, 116, 108334.	7.2	64
5	A novel stochastic fractal search algorithm with fitness-Distance balance for global numerical optimization. Swarm and Evolutionary Computation, 2021, 61, 100821.	8.1	62
6	Symbiotic organisms search optimization algorithm for economic/emission dispatch problem in power systems. Neural Computing and Applications, 2018, 29, 721-737.	5.6	60
7	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.	7.2	41
8	Symbiotic organisms search algorithm for dynamic economic dispatch with valve-point effects. Journal of Experimental and Theoretical Artificial Intelligence, 2017, 29, 495-515.	2.8	35
9	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.	8.1	35
10	Development of a Lévy flight and FDB-based coyote optimization algorithm for global optimization and real-world ACOPF problems. Soft Computing, 2021, 25, 6577-6617.	3.6	32
11	Dynamic FDB selection method and its application: modeling and optimizing of directional overcurrent relays coordination. Applied Intelligence, 2022, 52, 4873-4908.	5.3	26
12	Development of adaptive and intelligent web-based educational systems. , 2010, , .		21
13	Improved Lévy flight distribution algorithm with FDB-based guiding mechanism for AVR system optimal design. Computers and Industrial Engineering, 2022, 168, 108032.	6.3	21
14	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.	7.2	20
15	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.	3.4	19
16	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.	9.2	17
17	A novel model for web-based adaptive educational hypermedia systems: SAHM (supervised adaptive) Tj ETQq1 1 0.784314 rgBT /Overlo	3.4	15
18	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.	1.4	14

#	ARTICLE	IF	CITATIONS
19	Passive Mine Detection and Classification Method Based on Hybrid Model. IEEE Access, 2018, 6, 47870-47888.	4.2	12
20	Application of Adaptive Artificial Neural Network Method to Model the Excitation Currents of Synchronous Motors. , 2012, , .		11
21	A User Modeling Approach to Web Based Adaptive Educational Hypermedia Systems. , 2008, , .		10
22	A web based adaptive educational system. , 2007, , .		8
23	Application of Symbiotic Organisms Search Algorithm to solve various economic load dispatch problems. , 2016, , .		8
24	Optimal scheduling of short-term hydrothermal generation using symbiotic organisms search algorithm. , 2016, , .		7
25	A comparative study on novel machine learning algorithms for estimation of energy performance of residential buildings. , 2015, , .		6
26	Clustering Categorical Data Based on Maximal Frequent Itemsets. , 2007, , .		5
27	Design of an Intelligent Decision Making System for a Travelling Wave Ultrasonic Motor. , 2009, , .		5
28	A Parameter Determination System for Wind Turbines Based on Naive Bayes Classification Algorithm. , 2009, , .		5
29	Symbiotic Organisms Search algorithm for economic load dispatch problem with valve-point effect. Scientia Iranica, 2017, .	0.4	5
30	A comprehensive performance analysis of meta-heuristic optimization techniques for effective organic rankine cycle design. Applied Thermal Engineering, 2022, 213, 118687.	6.0	5
31	Novel User Modeling Approaches for Personalized Learning Environments. International Journal of Information Technology and Decision Making, 2016, 15, 575-602.	3.9	4
32	Exploring the effect of distribution methods on meta-heuristic searching process. , 2017, , .		3
33	Comparison of Pooling Methods for Handwritten Digit Recognition Problem. , 2018, , .		3
34	Investigation of the Most Effective Meta-Heuristic Optimization Technique for Constrained Engineering Problems. Lecture Notes on Data Engineering and Communications Technologies, 2020, , 484-501.	0.7	3
35	Development of an Intelligent Decision Support System for Determining the Efficiency of Shunt Active Power Filter. , 2009, , .		2
36	A novel intelligent decision support tool for average wind speed clustering. , 2011, , .		2

#	ARTICLE	IF	CITATIONS
37	An intelligent approach for speed stability analysis of a travelling wave ultrasonic motor based on genetic k-NN algorithm. , 2011, , .		2
38	Modeling of meteorological parameters and improving the classification accuracy for the wind turbines. , 2012, , .		2
39	Applying the Meta-heuristic Prediction Algorithm for Modeling Power Density in Wind Power Plant. , 2016, , .		2
40	Developing of decision support system for land mine classification by meta-heuristic classifier. , 2016, , .		2
41	Determination of the Effects of Penalty Coefficient on the Meta-Heuristic Optimization Process. , 2018, , .		2
42	Haar Wavelet Neural Network Model. , 2018, , .		2
43	Importance of Power Flow and Load Analysis in Pre-Installation Power Systems. , 2019, , .		2
44	Analysis, Test and Management of the Meta-Heuristic Searching Process: An Experimental Study on SOS. Journal of Polytechnic, 2020, 23, 445-455.	0.7	2
45	An Intelligent Decision Support Tool for a Travelling Wave Ultrasonic Motor Based on k-Nearest Neighbor Algorithm. , 2011, , .		1
46	Disturbance Rejection Effect of PIDA Controller Designed via SOS Algorithm. , 2018, , .		1
47	Determining Suitability of Locations for Installation of Solar Power Station Based on Probabilistic Inference. , 2010, , .		0
48	Meta-sezgisel AlgoritmalarÄ±n Ä±ok Boyutlu Problem UzaylarÄ±ndaki Arama PerformanslarÄ±nÄ±n AraÄ±tÄ±rÄ±lmasÄ±. , 2018, , .		0
49	Detection and Classification of Ring Failures by Artificial Neural Networks in Bearings. , 2018, , 31-35.		0