

Gulgun Kayakutlu

List of Publications by Year in descending order

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Version: 2024-02-01

78
papers

1,383
citations

471061

17
h-index

344852

36
g-index

80
all docs

80
docs citations

80
times ranked

1431
citing authors

#	ARTICLE	IF	CITATIONS
1	Using artificial neural network models in stock market index prediction. Expert Systems With Applications, 2011, 38, 10389-10397.	4.4	580
2	Definition of artificial neural networks with comparison to other networks. Procedia Computer Science, 2011, 3, 426-433.	1.2	66
3	Assessment of lean manufacturing effect on business performance using Bayesian Belief Networks. Expert Systems With Applications, 2015, 42, 6539-6551.	4.4	66
4	Scenario analysis using Bayesian networks: A case study in energy sector. Knowledge-Based Systems, 2010, 23, 267-276.	4.0	59
5	Developing Oregon's renewable energy portfolio using fuzzy goal programming model. Computers and Industrial Engineering, 2010, 59, 786-793.	3.4	58
6	Development of future energy scenarios with intelligent algorithms: Case of hydro in Turkey. Energy, 2010, 35, 1724-1729.	4.5	51
7	Assessing performance factors for a 3PL in a value chain. International Journal of Production Economics, 2011, 131, 441-452.	5.1	49
8	Exploring renewable energy pricing with analytic network process " Comparing a developed and a developing economy. Energy Economics, 2012, 34, 882-891.	5.6	38
9	Effective supply value chain based on competence success. Supply Chain Management, 2010, 15, 129-138.	3.7	34
10	Optimisation studies on tri-generation: a review. International Journal of Energy Research, 2015, 39, 1311-1334.	2.2	29
11	Identification of energy policy priorities from existing energy portfolios using hierarchical decision model and goal programming. International Journal of Energy Sector Management, 2010, 4, 24-43.	1.2	26
12	Multi-objective particle swarm optimization with random immigrants. Complex & Intelligent Systems, 2020, 6, 635-650.	4.0	26
13	Scenarios for regional waste management. Renewable and Sustainable Energy Reviews, 2017, 74, 1323-1335.	8.2	24
14	Prediction of Aircraft Failure Times Using Artificial Neural Networks and Genetic Algorithms. Journal of Aircraft, 2014, 51, 47-53.	1.7	23
15	Patent value analysis using support vector machines. Soft Computing, 2014, 18, 313-328.	2.1	21
16	A combined seasonal ARIMA and ANN model for improved results in electricity spot price forecasting: Case study in Turkey. , 2016, , .		20
17	Operational optimization in simple tri-generation systems. Applied Thermal Engineering, 2016, 107, 175-183.	3.0	20
18	Economic model for an electric vehicle charging station with v <scp>ehicleâ€toâ€Grid</scp> functionality. International Journal of Energy Research, 2020, 44, 6697-6708.	2.2	17

#	ARTICLE	IF	CITATIONS
19	Assessing knowledge-based resources in a utility company: Identify and prioritise the balancing factors. <i>Energy</i> , 2008, 33, 1027-1037.	4.5	14
20	Fuzzy cognitive mapping in factor elimination: A case study for innovative power and risks. <i>Procedia Computer Science</i> , 2011, 3, 1111-1119.	1.2	12
21	Clean energy investment scenarios using the Bayesian network. <i>International Journal of Sustainable Energy</i> , 2014, 33, 400-415.	1.3	11
22	Models for Energy Efficiency Obligation Systems through different perspectives. <i>Technology in Society</i> , 2021, 64, 101436.	4.8	11
23	Mathematical model for a microgrid consisting of wind turbine, PV panels, and energy storage unit. <i>Journal of Renewable and Sustainable Energy</i> , 2016, 8, .	0.8	10
24	Intelligence for Energy. , 2017, , 79-116.		10
25	Electricity consumption analysis based on Turkish Household Budget Surveys. <i>Energy, Ecology and Environment</i> , 2020, 5, 444-455.	1.9	9
26	A hybrid heuristic algorithm for optimal energy scheduling of grid-connected micro grids. <i>Energy Systems</i> , 2021, 12, 877-893.	1.8	8
27	Forecasting Stock Exchange Movements Using Artificial Neural Network Models and Hybrid Models. <i>International Federation for Information Processing</i> , 2008, , 129-137.	0.4	8
28	Win-win match using a genetic algorithm. <i>Applied Mathematical Modelling</i> , 2010, 34, 2749-2762.	2.2	7
29	A Partheno-Genetic Algorithm for Dynamic 0-1 Multidimensional Knapsack Problem. <i>RAIRO - Operations Research</i> , 2016, 50, 47-66.	1.0	7
30	Value Stream Maps for Industrial Energy Efficiency. <i>Green Energy and Technology</i> , 2013, , 357-379.	0.4	7
31	Review and clustering of optimal energy management problem studies for industrial microgrids. <i>International Journal of Energy Research</i> , 2021, 45, 103-117.	2.2	6
32	Impact of climate change on sectoral electricity demand in Turkey. <i>Energy Sources, Part B: Economics, Planning and Policy</i> , 2021, 16, 235-257.	1.8	6
33	Critical Power Demand Scheduling for Hospitals Using Repurposed EV Batteries. <i>Technology and Economics of Smart Grids and Sustainable Energy</i> , 2021, 6, 1.	1.8	5
34	Medical device tracking via QR code and efficiency analyze. , 2016, , .		4
35	CO2 emissions analysis for East European countries: the role of underlying emission trend. <i>Environmental Economics</i> , 2020, 11, 67-81.	0.9	4
36	Integrating Decision Trees and Cognitive Maps for Market Segmentation in Service Sector. , 2007, , .		3

#	ARTICLE	IF	CITATIONS
37	Tri-generation investment analysis using Bayesian network: A case study. International Journal of Green Energy, 2018, 15, 347-357.	2.1	3
38	Optimization of battery and wind technologies: Case of power deviation penalties. Technology in Society, 2020, 63, 101322.	4.8	3
39	Risk Analysis in Renewable Energy System (RES) Investment for a Developing Country: A Case Study in Pakistan. Arthaniti, 2020, 19, 204-223.	0.4	3
40	An analysis of the natural gas pricing in natural gas hubs: an evaluation for Turkey. Energy Systems, 0, 1.	1.8	3
41	Churn Detection and Prediction in Automotive Supply Industry. , 0, , .		3
42	Knowledge management evaluation framework for effective supply value chain. International Journal of Industrial and Systems Engineering, 2006, 1, 446.	0.1	2
43	Tedarik zinciri ynetiminde bilgi sistemleri: havacilik yer hizmetlerinde usu zamanlamasi isin bilgi paylaım modeli. Journal of Aeronautics and Space Technologies (Havacilik Ve Uzay Teknolojileri) Tj ETQq1 1 0.78431 4 rgBTz/Overlook		2
44	Association rules in innovative technology collaboration. , 2015, , .		2
45	Predicting Power Deviation in the Turkish Power Market Based on Adaptive Factor Impacts. IFIP Advances in Information and Communication Technology, 2021, , 213-234.	0.5	2
46	Regional Energy Portfolio Construction: Case Studies in Turkey. Green Energy and Technology, 2015, , 107-126.	0.4	2
47	COMPETENCE BASED SUPPLY VALUE CHAIN EFFECTIVENESS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 235-240.	0.4	1
48	Future of Energy. , 2017, , 153-198.		1
49	Multi-Site Energy Use Management in the Absence of Smart Grids. Studies in Systems, Decision and Control, 2018, , 375-402.	0.8	1
50	Collective Intelligence for Evaluating Synergy in Collaborative Innovation. IFIP Advances in Information and Communication Technology, 2014, , 131-150.	0.5	1
51	Intelligent Association Rules for Innovative SME Collaboration. , 0, , .		1
52	Intelligent Association Rules for Innovative SME Collaboration. IFIP Advances in Information and Communication Technology, 2015, , 150-164.	0.5	1
53	Evaluating Business Success Through Social Media Strategies Using AHP. , 0, , .		1
54	Segmentation of Social Network Users in Turkey. IFIP Advances in Information and Communication Technology, 2018, , 119-131.	0.5	1

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55	Assessing Performance Factors for Logistics Companies. , 2006, , .		0
56	Values revisited. International Journal of Learning and Intellectual Capital, 2006, 3, 310.	0.2	0
57	An analytical framework for improving the strategical impact of customer collaboration in innovation. International Journal of Management and Network Economics, 2008, 1, 80.	0.3	0
58	Clustering the open ended future needs. , 2009, , .		0
59	SME CLUSTERING BASED ON INNOVATION NEEDS. World Scientific Proceedings Series on Computer Engineering and Information Science, 2012, , 1005-1010.	0.1	0
60	Interactive energy demand, production and usage optimization in manufacturing. , 2015, , .		0
61	Greening and Innovating with Renewable Energies. , 2017, , 117-152.		0
62	Humans and Energy. , 2017, , 1-36.		0
63	Energy Future: Innovation Based on Time, Synergy and Innovation Factors. Studies in Systems, Decision and Control, 2018, , 545-554.	0.8	0
64	Review of Collective Intelligence Used in Energy Applications. Studies in Systems, Decision and Control, 2018, , 475-496.	0.8	0
65	Complexity in Energy Systems. Studies in Systems, Decision and Control, 2018, , 3-13.	0.8	0
66	Modelling of battery usage with wind turbines to avoid power deviation penalties. , 2019, , .		0
67	Analysing Natural Gas Prices for Turkey in the Light of a Possible Hub. IFIP Advances in Information and Communication Technology, 2021, , 193-212.	0.5	0
68	FUZZY EVALUATION OF ON THE JOB TRAINING ALTERNATIVES IN INDUSTRIAL COMPANIES. , 2006, , .		0
69	A FUZZY COGNITIVE MAP APPLICATION FOR CAUSES OF BULLWHIP EFFECT IN SUPPLY CHAINS. World Scientific Proceedings Series on Computer Engineering and Information Science, 2012, , 525-530.	0.1	0
70	Operational Criteria Evaluation for Collaboration of Innovative SMEs. Journal of Military and Information Science, 2016, 4, 34.	0.3	0
71	Intra-industry trade with pollution concerned cooperation. Environmental Economics, 2016, 7, 9-15.	0.9	0
72	Innovation in Energy: Dissemination of Energy Culture Via Serious Gaming. , 0, , .		0

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73	Scheduling of a Renewable Hybrid Tri-generation. Journal of Clean Energy Technologies, 2017, 5, 334-338.	0.1	0
74	Day-ahead power market behavior for a small supplier: case of Turkish market. Environmental Economics, 2018, 9, 70-79.	0.9	0
75	AI Classification in Collaboration for Innovation of Electric Motors of Household Appliances. IFIP Advances in Information and Communication Technology, 2020, , 107-123.	0.5	0
76	Deep Reinforced Learning for the Governance of a Sample Microgrid. IFIP Advances in Information and Communication Technology, 2022, , 169-183.	0.5	0
77	Knowledge Worker Profile. , 0, , 162-178.		0
78	In Search of a Just Mechanism. , 2022, , .		0