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Education Information

Doctorate, İstanbul Technical University, Fen Bilimleri Enstitüsü, Endüstri Mühendisliği, Turkey 2017 - 2022

Postgraduate, Bogazici University, Institute Of Science, Endüstri Mühendisliği, Turkey 2014 - 2017

Undergraduate, Bilkent Üniversitesi, Mühendislik Fakültesi, Endüstri Mühendisliği, Turkey 2009 - 2014

Published journal articles indexed by SCI, SSCI, and AHCI

- I. Convenient Site Selection of a Floating PV Power Plant in Türkiye by using GIS-Fuzzy Analytical Hierarchy Process
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- II. Assessment of governmental strategies for sustainable environment regarding greenhouse gas emission reduction under uncertainty
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- III. An integrated Pythagorean fuzzy-based methodology for sectoral prioritization of industry 4.0 with lean supply chain perspective
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- IV. A design methodology based on two dimensional fuzzy linguistic variables for attribute control charts with real case applications
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- V. Evaluation of sustainable energy planning scenarios with a new approach based on FCM, WASPAS and impact effort matrix
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- VII. A combined methodology based on Z-fuzzy numbers for sustainability assessment of hydrogen energy storage systems
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- International Journal of Hydrogen Energy, vol.47, no.34, pp.15528-15546, 2022 (SCI-Expanded)
- VIII. **Customer-oriented product design using an integrated neutrosophic AHP & DEMATEL & QFD methodology**
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- IX. **Risk assessment of renewable energy investments: A modified failure mode and effect analysis based on prospect theory and intuitionistic fuzzy AHP**
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- X. **Risk assessment of R&D projects: a new approach based on IVIF AHP and fuzzy axiomatic design**
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- XI. **Location selection for waste-to-energy plants by using fuzzy linear programming**
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- XII. **A Multi-criteria Assessment of Biomass Conversion Technologies with Pythagorean Fuzzy Axiomatic Design Approach**
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- XIII. **Prioritization of renewable energy sources using multi-experts Pythagorean fuzzy WASPAS**
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- XVIII. **A novel approach to risk assessment for occupational health and safety using Pythagorean fuzzy AHP & fuzzy inference system**
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- I. **Analysis of Parameters Affecting The Smart Phone Design By Using Fuzzy Kano Model**
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- II. **Tersanelerde Yaşanan Mesleki Risklerin Analizi için Bulanık PapyonModel Önerisi**
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- III. **Warehouse risk assessment using interval valued intuitionistic fuzzy AHP**
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Books & Book Chapters

- I. **Bulanık Analitik Hiyerarşî Prosesi: Buckley AHP ve Proje Risk Yönetimine Uygulanması**
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- II. **Integration of Quality FunctionDeployment with IVIF-AHP and Kano Model for Customer Oriented Product Design**
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- V. **Wind Energy Investment Analyses Based on Fuzzy Sets**
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Refereed Congress / Symposium Publications in Proceedings

- I. **Prioritization of the Potential Sectors for CO₂ Emission Reduction based on International Policies: A Case of Turkey**

- Gundogdu F. K., İLBAHAR E., KARAŞAN A., KAYA İ., ÖZKAYA B.
- International Conference on Decision Aid Sciences and Applications (DASA), Chiang-Rai, Thailand, 23 - 25 March 2022, pp.1544-1548
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 4th International Conference on Intelligent and Fuzzy Systems (INFUS), Bornova, Turkey, 19 - 21 July 2022, vol.505, pp.225-232
- III. **Social Acceptability Assessment of Renewable Energy Policies: An Integrated Approach Based on Fuzzy BOCR**
 İLBAHAR E., ÇEBİ S., KAHRAMAN C.
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- IV. **Sectoral Prioritization of Industry 4.0 under Lean Supply Chain with an Integrated Fuzzy Decision-Making Approach: The Case of Turkey**
 KARAŞAN A., İLBAHAR E., KAYA İ., Cebeci B.
 6th International Forum on Research and Technology for Society and Industry, RTSI 2021, Virtual, Online, Italy, 6 - 09 September 2021, pp.441-445
- V. **Prioritization of Smart Factory Transition Strategies for Manufacturing Plants with an Integrated Fuzzy Decision-Making Approach: The Case of Turkey**
 İLBAHAR E., KARAŞAN A., KAYA İ.
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- VI. **An Intuitionistic Fuzzy Axiomatic Design Approach for the Evaluation of Solid Waste Disposal Methods**
 Çebi S., İlbahtar E., Kahraman C.
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- VII. **Assessment of Renewable Energy Alternatives with Pythagorean Fuzzy WASPAS Method: A Case Study of Turkey**
 İlbahtar E., Çebi S., Kahraman C.
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- VIII. **Tersanelerde Yaşanan Mesleki Risklerin Analizi için Bulanık Papyon Model Önerisi**
 ÇEBİ S., İLBAHAR E.
 37. Yöneylem Araştırması ve Endüstri Mühendisliği, Ulusal Kongresi, İstanbul, Turkey, 5 - 07 July 2017
- IX. **Using Fuzzy AHP and Conjoint Analysis to Identify Importance Degrees of Parameters on Academic Performance**
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Metrics

Publication: 44
 Citation (WoS): 634
 Citation (Scopus): 792
 H-Index (WoS): 9
 H-Index (Scopus): 10