

DİDEM TEKGÜN

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Desteklenen Projeler

1. Tekgün D., Şirket, Elektrik Güç Santralleri için Öngörülü Arıza Teşhis ve Tespit Yöntemi Geliştirilmesi, 2023 - 2025
2. Tekgün D., TÜBİTAK Projesi, Dalgıç Pompa Uygulamaları İçin Doğrudan Yol Vermeli Senkron Relüktans Motorunun Tasarım Optimizasyonu ve Gerçekleşmesi, 2021 - 2024

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

1. **A multi-functional quasi-single stage bi-directional charger topology for electric vehicles**
Tekgun B., Tekgun D., Alan I.
Ain Shams Engineering Journal, cilt.15, sa.3, 2024 (SCI-Expanded)
2. **Modified Induction Machine Equivalent Circuit Including Solid Shaft Eddy Currents**
Tekgun D.
Machines, cilt.11, sa.12, 2023 (SCI-Expanded)
3. **Investigating the Tradeoff Between the MMF Distortion and End Turn Length of a 2-Pole Line Start SynRM Performance**
Tekgun D., Cosdu M. M., Tekgün B., Alan İ.
Iranian Journal of Science and Technology - Transactions of Electrical Engineering, cilt.47, sa.4, ss.1447-1457, 2023 (SCI-Expanded)
4. **Investigating the Role of Stator Slot Indents in Minimizing Flooded Motor Fluid Damping Loss**
Tekgun D., Tekgun B.
Machines, cilt.11, sa.12, 2023 (SCI-Expanded)
5. **FEA based fast topology optimization method for switched reluctance machines**
Tekgun D., TEKGÜN B., ALAN İ.
ELECTRICAL ENGINEERING, cilt.104, sa.4, ss.1985-1995, 2022 (SCI-Expanded)
6. **A new oval shaft, high performance, 2 pole line start synchronous reluctance machine for submersible pump applications**
Tekgun D., ALAN İ.
INTERNATIONAL JOURNAL OF APPLIED ELECTROMAGNETICS AND MECHANICS, cilt.70, sa.1, ss.73-93, 2022 (SCI-Expanded)
7. **Real-Time High-Frequency Impedance Monitoring of Human Skin Through Magnetic Coupling**
Tekgun D., Uddin W., Lee K., Sozer Y.
IEEE Sensors Journal, cilt.17, sa.19, ss.6167-6174, 2017 (SCI-Expanded)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

1. **Design and Optimization of an Outer Rotor Spoke Type PMSM with Improved Saliency for a Lightweight Racing Vehicle**
Karatepe H. C., Tekgün B., Tekgün D.
2024 7th International Conference on Electric Power and Energy Conversion Systems (EPECS), Sharjah, Birleşik Arap Emirlikleri, 12 - 14 Kasım 2024, ss.1-6
2. **Structural Integrity Analysis of a Two-Pole Synchronous Reluctance Machine with Non-circular Shaft**
Tekgun D., TEKGÜN B., ALAN İ.

5th IEEE Global Power, Energy and Communication Conference, GPECOM 2023, Cappadocia, Türkiye, 14 - 16 Haziran 2023, ss.187-191

3. **Effect of the Stator Slot Indents on Fluid Damping Loss in Submersible Pump Applications**

Tekgun D., Cosdu M. M., TEKGÜN B., ALAN İ.

4th IEEE Global Power, Energy and Communication Conference (IEEE GPECOM), Cappadocia, Türkiye, 14 - 17 Haziran 2022, ss.184-189

4. **Investigation of the Effects of Multi-Layer Winding Structures in Two Pole Synchronous Reluctance Machines**

Tekgun D., Muhsin Cosdu M., Tekgun B., Alan I.

3rd IEEE Global Power, Energy and Communication Conference, GPECOM 2021, Virtual, Online, Türkiye, 5 - 08 Ekim 2021, ss.120-125

5. **A Modular Three-Phase Buck-Boost Motor Drive Topology**

Tekgun D., TEKGÜN B., ALAN İ.

6th International Conference on Electric Power and Energy Conversion Systems (EPECS), ELECTR NETWORK, 5 - 06 Ekim 2020, ss.130-135

6. **Design and Control of a Single Phase DC/Rectified AC/AC Inverter for low THD Applications**

Tekgun B., Tekgun D., Alan I., Badawy M.

7th International IEEE Conference on Renewable Energy Research and Applications, ICRERA 2018, Paris, Fransa, 14 - 17 Ekim 2018, ss.424-430

7. **Effect of distributed airgap in the stator for acoustic noise reduction in switched reluctance motors**

Yaşa Y., Tekgun D., Sozer Y., Kutz J., Tylenda J.

32nd Annual IEEE Applied Power Electronics Conference and Exposition, APEC 2017, Florida, Amerika Birleşik Devletleri, 26 - 30 Mart 2017, ss.633-639

Metrikler

Yayın: 14

Atıf (WoS): 30

Atıf (Scopus): 31

H-İndeks (WoS): 4

H-İndeks (Scopus): 4

Araştırma Alanları

Mühendislik ve Teknoloji