

Öğretim Görevlisi TURAL MEHMETOĞLU

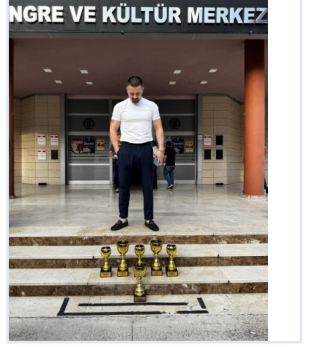
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Kurum: Taşova Yüksel Akın Meslek Yüksekokulu / Motorlu Araçlar Ve Ulaştırma Teknolojileri
Bölümü / Raylı Sistemler Elektrik Ve Elektronik Prog.

Uluslararası Araştırmacı ID'leri

YÖKSİS Araştırmacı ID: 263825



Eğitim Bilgileri

- I. TOKAT GAZİOSMANPAŞA ÜNİVERSİTESİ · Doktora · Yurt İçi · 2022–? · LİSANSÜSTÜ EĞİTİM ENSTİTÜSÜ · ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ (DR) (2022–)
- II. GAZİOSMANPAŞA ÜNİVERSİTESİ · Yüksek Lisans · Yurt İçi · 2016 · FEN BİLİMLERİ ENSTİTÜSÜ · ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ (YL) (TEZLİ) · Elektrik motor sargılarının ısı miktarının ve bakır kayıplarının debye ve Bloch-Gruneisen yaklaşımlarına göre hesaplanması (2016)
- III. LEFKE AVRUPA ÜNİVERSİTESİ · Lisans · Yurt İçi · 2008–2013 · MİMARLIK VE MÜHENDİSLİK FAKÜLTESİ · ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ BÖLÜMÜ (2008–2013)

Araştırma Alanları

Mühendislik Temel Alanı · Elektrik-Elektronik ve Haberleşme Mühendisliği

Makaleler

- I. Heat Capacities Study of Semiconductors CuMX_2 ($M = \text{Ga, In; } X = \text{S, Se, Te}$) from the Einstein–Debye Approximation (2026)
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- II. A New Unified Analytical Expression for Entropy and its Application to Power Electronic Semiconductors (2025)
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- III. Derivation of an Analytical Expression for the Einstein Relation in Organic Semiconductor Thin Films Using the Binomial Expansion Theorem (2025)
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- IV. Analytical investigation of thermodynamic properties of power electronic semiconductor materials (2024)
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- V. An analytical evaluation method of the temperature dependence of resistive losses in electric motors (2023)
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- VI. The comparative study of the specific heat capacity of uranium dioxide according to the fractal structure (2023)
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- VII. AN ANALYTICAL TECHNIQUE FOR EVALUATING HEAT CAPACITY OF GeS , GeSe , GeTe AND SnS SEMICONDUCTORS USING EINSTEIN-DEBYE APPROXIMATION (2021)
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- VIII. ANALYTICAL EVALUATION OF HOLTSMARK DISTRIBUTION OF ENERGIES AND ITS ROLE IN PLASMA MICROFIELDS (2019)
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- IX. Accurate Calculations of the Heat Capacities of Pure Metals Using the Einstein–Debye Approximation (2019)
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- X. Use of Einstein-Debye method in the analytical and semi empirical analysis of isobaric heat capacity and thermal conductivity of nuclear materials (2019)
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- XI. Analytical evaluation of the Uehling potential using binomial expansion theorems (2019)

XII. On the comprehensive Theoretical evaluation of cold and hot plasma energies (2019)

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XIII. Theoretical Evaluation of Thermal Properties of TiO₂ Anatase and Rutile by using Einstein-Debye Approximation (2018)

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XIV. An approach to improve energy performance of electric vehicle: Theoretical evaluation of electric motor winding heat capacity and electrical resistivity using Debye and Bloch-Gruneisen approximations (2016)

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XV. Full Analytical Evaluation of the Einstein Relation for Disordered Semiconductors (2015)

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XVI. Analytical evaluation of charge carrier density of organic materials with Gauss density of states (2014)

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Bildiriler

I. AIN güç elektroniği yarıiletkenin direncinin ve elektrik iletkenliğinin sıcaklığa göre değişmesinin Wiedemann-Franz yasasına göre incelenmesi (2025)

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III. AIN güç elektroniği yarıiletkenin serbest elektron gazının entropisinin sıcaklığa göre değişmesinin Fermi-Dirac yaklaşımına göre incelenmesi (2025)

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IV. Elmas güç elektroniği yarıiletkenin yük taşıyıcı yoğunluğunun, direncinin ve elektrik iletkenliğinin sıcaklığa göre değişmesi (2025)

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V. İdeal Fermi serbest elektron sisteminin termodinamik parametrelerinin kuantum istatistiksel fizik çerçevesinde incelenmesi (2025)

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