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Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Hazelnut shell-based activated carbon/carbon nanotubes/palmityl alcohol as new form-stable phase change material with enhanced energy storage capacity and thermal conductivity**
Gu X., Huseien G. F., KAR T., SARI A., Karaahmet Z., Gencil O., HEKİMOĞLU G., ÇAKIR E.
Journal of Energy Storage, vol.103, 2024 (SCI-Expanded)
- II. **Fast Pyrolysis of Tea Bush, Walnut Shell, and Pine Cone Mixture: Effect of Pyrolysis Parameters on Pyrolysis Crop Yields**
KAR T., Kaygusuz Ö., Güney M. Ş., CÜCE E., KELEŞ S., Shaik S., Owolabi A. B., Nsafon B. E. K., Ogunsua J. M., Huh J.
SUSTAINABILITY, vol.15, no.18, 2023 (SCI-Expanded)
- III. **Carbonized waste hazelnut wood-based shape-stable composite phase change materials for thermal management implementations**
HEKİMOĞLU G., SARI A., Kar T., KELEŞ S., KAYGUSUZ K., YILDIRIM N., Tyagi V. V., Sharma R. K., Saleh T. A.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.45, no.7, pp.10271-10284, 2021 (SCI-Expanded)
- IV. **Walnut shell derived bio-carbon/methyl palmitate as novel composite phase change material with enhanced thermal energy storage properties**
HEKİMOĞLU G., SARI A., Kar T., KELEŞ S., KAYGUSUZ K., Tyagi V., Sharma R., Al-Ahmed A., Al-Sulaiman F. A., Saleh T. A.
JOURNAL OF ENERGY STORAGE, vol.35, 2021 (SCI-Expanded)
- V. **Characterisation of bio-oil and its sub-fractions from catalytic fast pyrolysis of biomass mixture**
Kar T., KELEŞ S.
WASTE MANAGEMENT & RESEARCH, vol.37, no.7, pp.674-685, 2019 (SCI-Expanded)
- VI. **Comparison of catalytic and noncatalytic pyrolysis and product yields of some waste biomass species**
Kar T., KELEŞ S., KAYGUSUZ K.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.43, no.6, pp.2032-2043, 2019 (SCI-Expanded)
- VII. **Catalytic fast pyrolysis of hazelnut cupula: Characterization of bio-oil**
KELEŞ S., Kar T., AKGUN M., KAYGUSUZ K.
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.39, no.24, pp.2216-2225, 2017 (SCI-Expanded)
- VIII. **Fast pyrolysis of chestnut cupulae: yields and characterization of the bio-oil**
Kar T., KELEŞ S.
ENERGY EXPLORATION & EXPLOITATION, vol.31, no.6, pp.847-858, 2013 (SCI-Expanded)

Articles Published in Other Journals

- I. **Fast pyrolysis of fig leaves: influence of pyrolysis parameters and characterization of bio-oil**
KAR T., KELEŞ S., EMİR Z., KAYGUSUZ K.
Turkish Journal of Analytical Chemistry (Online), vol.4, no.2, pp.80-87, 2022 (Peer-Reviewed Journal)

- II. **Hydrogen production from renewables: Biomass**
Kar T., Keleş S.
Journal of Engineering Research and Applied Science, vol.8, no.2, pp.1279-1285, 2019 (Peer-Reviewed Journal)
- III. **Renewable energy from woody biomass in Turkey**
KELEŞ S., KAR T., BAHADIR A., KAYGUSUZ K.
journal of engineering research and applied science, vol.6, no.2, pp.652-661, 2017 (Peer-Reviewed Journal)
- IV. **Bio-oil production from fast pyrolysis of maple fruit (acer platanoides samaras): product yields**
Bahadır A., Kar T., KELEŞ S., KAYGUSUZ K.
WORLD JOURNAL OF ENGINEERING, vol.14, no.1, pp.55-59, 2017 (ESCI)
- V. **Environmental impacts of biomass combustion for heating and electricity generation**
KAR T., KELEŞ S.
Journal of Engineering Research and Applied Science, no.2, pp.458-465, 2016 (Peer-Reviewed Journal)
- VI. **Clean energy in Turkey for climate change mitigation**
KAR T., BAHADIR A.
Journal of Engineering Research and Applied Energy, 2016 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Characterization of bio-char samples obtained from biomass lignite co-gasification**
KAR T.
6th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2023) October 11-13, 2023. www.EurasianBioChem.or, Ankara, Turkey, 11 - 13 October 2023, pp.399
- II. **Biomass-lignite gasification; analysis of liquid by-products**
KAR T., CÜCE E., KAYGUSUZ K., ULAŞ ÇOLAK N.
5th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2022) November 23-25, 2022. www.EurasianBioChem.org, Turkey, 23 - 25 November 2022, pp.470
- III. **Effect of Temperature and Heating Rate on Catalytic Fast Pyrolysis of Walnut Shell and the Cobalt Catalyst Effect on Energy Content**
KAR T., KELEŞ S.
3rd Bioenergy Studies Symposium, Turkey, 20 - 21 May 2021
- IV. **Catalytic Fast Pyrolysis of Some Bio-Wastes with Vanadium Oxide Catalyst**
KAR T., KELEŞ S., KAYGUSUZ K.
International Conference on Chemical Energy Semiconductor Photochemistry, Trabzon, Turkey, 4 - 06 September 2019, pp.61
- V. **Catalytic Cracking and ZSM-5 Zeolite**
KAR T., KELEŞ S., KAYGUSUZ K.
International Conference on Chemical Energy Semiconductor Photochemistry, Trabzon, Turkey, 4 - 06 September 2019, pp.60
- VI. **Hydrogen Production From Renewable Energy Sources**
KAYGUSUZ K., KAR T., KELEŞ S.
International Conference on Chemical Energy Semiconductor Photochemistry, Trabzon, Turkey, 4 - 06 September 2019, pp.30-48
- VII. **Thermal Conversion of Biomass**
KAR T., KELEŞ S., KAYGUSUZ K.
EurasianBioChem 2018, Ankara, Turkey, 26 - 27 April 2018, pp.84
- VIII. **Characterization of Bio-Oil from the Catalytic Fast Pyrolysis of Hazelnut Cupula**
KELEŞ S., KAR T., KAYGUSUZ K.
International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2018), Ankara, Turkey, 26 - 27 April 2018, pp.644
- IX. **Türkiye ve Dünyadaki Enerji Kaynaklarının Genel Görünümü**

KAR T., KELEŞ S., KAYGUSUZ K.

23rd International Energy and Environment Fair and Conference, İstanbul, Turkey, 3 - 05 May 2017, pp.82-86

X. **Fosil Yakıt Kullanımının Etkileri ve Fosil Yakıtlara Alternatif Yenilenebilir Enerji Kaynakları**

KAR T., KELEŞ S., KAYGUSUZ K.

23rd International Energy and Environment Fair and Conference, İstanbul, Turkey, 3 - 05 May 2017, pp.87-90

XI. **Biomass Combustion**

KAR T., KELEŞ S., KAYGUSUZ K.

22nd International Energy and Environment Fair and Conference, İstanbul, Turkey, 27 - 29 April 2016, pp.137-142

XII. **Hydrothermal Biomass Processing**

KAR T., KELEŞ S., KAYGUSUZ K.

22nd International Energy and Environment Fair and Conference, İstanbul, Turkey, 27 - 29 April 2016, pp.143-147

XIII. **Energy Consumption in Turkey**

KAR T., KELEŞ S., BAHADIR A., AKGÜN M., KAYGUSUZ K.

17th International Energy and Environment Fair and Conference, İstanbul, Turkey, 24 - 26 April 2011

Supported Projects

KELEŞ S., AMARKHAİL S. S., KAYGUSUZ K., SARI S., KAR T., Project Supported by Higher Education Institutions, Yöresel biyokütle atıklardan katalitik hızlı piroliz yoluyla hidrokarbonların üretimi CoCrAC ve ZSM5in sinerjik etkisinin araştırılması, 2022 - Continues

Dönmez Çavdar A., Keleş S., Boran Torun S., Kar T., TÜBİTAK Project, Biyobazlı yangına dirençli tutkal üretimi ve orta yoğunluklu liflevhalarda (MDF) Denenmesi, 2023 - 2025

Metrics

Publication: 36

Citation (WoS): 178

Citation (Scopus): 193

H-Index (WoS): 6

H-Index (Scopus): 6